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STATE OF WYOMING
DEPARTMENT OF ENVIRONMENTAL QUALITY
LAND QUALITY DIVISION
APPLICATION FOR PERMIT TO MINE
OR AMENDMENT TO A PERMIT TO MINE
OR COAL PERMIT RENEWAL

1. (a) Name, telephone number, fax number, and mailing address of applicant:

Name: Contura Coal West, LLC Belle Ayr Mine Telephone: 307-687-3400 Fax: 307-687-3470
P.O. Box 3039 ; Gillette , WY 82717

(b) If the applicant is a partnership, association, corporation or limited liability company the names and addresses of all managers, partners and executives directly responsible for operations in this State:

Name: Andrew Eidson Address: P.O. Box 848 ; Bristol , TN 37621-0848
Title: Manager, President, Treasurer Phone No. 423-573-0300

Name: Mark M. Manno Address: P.O. Box 848 ; Bristol , TN 37621-0848
Title: Vice President and Secretary Phone No. 423-573-0300

Name: Address:
Title: Phone No.

Name: Address:
Title: Phone No.

2. Name, address, and telephone number of the agent or person to whom any notice under the provisions of Wyoming Environmental Quality Act or Rules and Regulations adopted there under may be sent:

Name: Mark Thrall Telephone: 307-687-3308 Fax: 307-687-3370
P.O. Box 3040 Gillette , WY 82717

3. Attach the following information as part of the specific appendices:

(a) APPENDIX "A"

Names and addresses of surface and mineral owners of record within the proposed permit (amendment) area.

(b) APPENDIX "B"

(i) Names and last known addresses of the owners of record of the surface rights of the lands immediately adjacent to the proposed permit (amendment) area.

(ii) Names and last known addresses of any other persons within one-half (1/2) mile having a valid legal estate of record.

(iii) For surface coal mining operations, the names and last known addresses of coal ownership immediately adjacent to the proposed permit (amendment) area.



NOTE: Appendices "A" and "B" shall each be accompanied by maps showing the ownership locations required by the respective appendices. Mapping of (b)(ii) is not required.

(c) APPENDIX "C"

(i) All lands to be included in the proposed permit (amendment) area shall be tabulated by legal subdivision, section, township, range, county, and municipal corporation, if any, and the number of acres for each subdivision listed.

(ii) Lands which are to be part of the proposed permit (amendment) area, for which no right to mine is claimed shall be identified in item (c)(i) above as such and tabulated separately listing the number of acres for each legal subdivision.

(iii) Lands which are located within other permit areas shall be identified and a copy of the land use agreement with the other permittee shall be attached as part of this application.

(iv) An original United State Geological Survey topographic map, clearly outlining and identifying the lands to be within the proposed permit areas, shall be provided. Photo copies or other similar copies are not acceptable unless prior approval is obtained from the Land Quality Division.

DEQ Exhibit 1

Initial MMM
Date 5-24-18

Permit No.
Temporary Filing No.

(d) APPENDIX "D"

A description of the land which shall include: historic and present land use; vegetative cover; annual rainfall; general directions and average velocities of the winds; indigenous wildlife; present surface water and the immediate drainage areas; valid water rights; nature and depth of the overburden, subsoil, topsoil; including a soils map; mineral seams, or other deposits; subsurface water(s) known to exist above the deepest projected depth of the mining operation.

(e) APPENDIX "E"

A map or maps with the boundary of the proposed permit (amendment) are clearly outlined and identified showing:

- (i) The lands to be affected by the mining;
- (ii) The drainage area within and surrounding the proposed permit (amendment) area;
- (iii) The location and names, where known, of all roads, railroads, public or private rights-of-way and easements, utility lines, lakes, streams, creeks, springs, and other surface water courses, oil wells, gas wells, and water wells;
- (iv) An outline of the probable limits of all areas previously disturbed or to be disturbed by underground or subsurface mining, whether active or inactive, on or immediately adjacent to the proposed permit (amendment) area;
- (v) The names, last known addresses and boundary lines of the present surface landowners and occupants on the adjacent land to be affected;
- (vi) The location, ownership, and uses of all buildings on, or on lands adjacent to, the land to be affected;
- (vii) Information presented as part of APPENDIX "D" when necessary for clarification.

4. Mineral(s) to be mined: Coal and Scoria
Mining method to be used: Surface Mine

5. Estimated dates of commencement and termination of the proposed operation:
Start: Currently Active Terminate: 2033

6. The total number of acres in the proposed permit (amendment) area and an estimate of the total number of acres to be affected by the operation:

Permit Acres		Approved Acreage to Affect		Surface Ownership	
Original Permit	<u>7,007.4</u>	Original Permit	<u>4,123</u>	No. of Federal Acres	<u>0</u>
Approved Amendments	<u>6,400.39</u>	Approved Amendments	<u>6,635</u>	No. of State Acres	<u>597.96</u>
This Application	<u>0.00</u>	This Application	<u>0</u>	No. of Private Acres	<u>12,809.83</u>
Total Acres	<u>13,407.79</u>	Total Acres	<u>10,758.0</u>	Total Acres	<u>13,407.79</u>

7. The name, if any, by which the permit (amendment) lands or any part thereof are known: Belle Ayr Mine

8. The nearest town or city: Gillette

9. A filing fee of \$100.00 (\$200.00 for amendments) plus \$10.00 for each acre in the request permit (amendment) area. For any single permit (amendment) the maximum fee shall not exceed \$2,000.00.

10. Plan or plans of the applicant, including maps for the proposed mining operation and the reclamation of all affected lands as required by W.S. §35-11-406(b) and Chapter 2, Sec. 2 of the Land Quality Rules and Regulations.

11. Each application for coal mining operations shall also contain:

- (a) Additional information as required in Chapter 2, Section 2 of the Land Quality Division Coal Rules and Regulations;
- (b) A certification that the applicant has a public liability insurance policy in force for the proposed mining and reclamation, as required by W.S. §35-11-406(a)(xiii) and Land Quality Division Coal Rules and Regulations Chapter 12, Section 2.;
- (c) A listing of all notices of violations required by W.S. §35-11-406(a)(xiv).

2. The following obligations are incumbent upon the applicant upon approval of this application:

- (a) The provisions of the permit are severable, and if any provision of the permit, or the application of any provision of the permit, to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of the permit, shall not be affected thereby.



Initial MM
Date 5-24-18

Permit No. _____
Temporary Filing No. _____

- (b) The operator shall allow the Director, the Administrator and/or his authorized representatives, at reasonable times and upon presentation of appropriate credentials, to enter upon and have access to any and all lands covered by this permit and amendments thereto and to inspect and copy any records or documents, obtain or monitor any samples or sampling, for any activities associated with the operation and permit.
- (c) The following shall also apply for coal mining operations:
 - (i) The operator shall conduct his operation in a manner which prevents violation of any other applicable State or Federal law.
 - (ii) The operator shall take all possible steps to minimize any adverse impact to the environment or public health and safety resulting from noncompliance with his approved mining and reclamation plan and other terms and conditions of any permit or license, including monitoring to define the nature of the noncompliance and warning of any potentially dangerous condition.
 - (iii) The operator shall conduct all operations in accordance with his approved mining and reclamation plan and with any special conditions of the permit or license attached thereto.
 - (iv) All reclamation fees shall be paid as required by Title IV, P.L. 95-87, for coal produced under the permit for sale, transfer or use.

FINAL SWORN STATEMENT

State of Tennessee)
)ss
 County of Sullivan)

I Mark M. Manno being duly sworn on my oath that I am the applicant (President or Vice President if the applicant is a corporation) for the foregoing permit (amendment); that I have read the said application and fully know the contents thereof; that all statements contained in the permit (amendment) application are true and correct to my best knowledge and belief; by execution of this statement I certify that Contura Coal West, LLC, applicant or entities controlled by or under common control with the applicant has the right and power by the legal estate owned to mine from the land for which this permit (amendment) is desired; that applicant or entities controlled by or under common control with the applicant has not forfeited, or is not involved in forfeiture proceedings for, a bond posted for reclamation purposes; and if a **surface coal mining application**, that applicant or entities controlled by or under common control with the applicant has paid the reclamation fees for this and all coal mining operations under the jurisdiction of P.L. 95-87 as required by Title IV of that law; and that applicant or entities controlled by or under common control with the applicant has not had any Federal or State coal mining permits suspended or revoked in the five years preceding the date of this application.

Dated this 24 day of May, 2018.

Signature [Handwritten Signature]
 Name (Printed or typed) Mark M. Manno
 Title Vice President & Secretary

(Corporate Seal)

The foregoing instrument was acknowledged before me by Mark M. Manno this 24th day of May, 2018.

Witness my hand and official seal.

Melanie Paige Hutton
 (Notary Public or Secretary if a Corporation)

Melanie Paige Hutton
 (Name printed or typed)

My Commission Expires: 9/26/2020



Initial MMM
 Date 5-24-18

Permit No. _____
 Temporary Filing No. _____

THE STATE OF WYOMING)
)ss
DEPARTMENT OF ENVIRONMENTAL QUALITY)

This is to certify that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions:

This permit/coal renewal/amendment grants only the right to affect the land described in Appendix "C" of the application.

Acceptance of the approved permit/coal renewal/amendment obligates the operator to abide by the standard conditions specified in Item No. 12. of this application form. Any condition and/or special condition attached to approval of this permit/coal renewal/amendment shall supersede and/or replace any conflicts with the original permit, amendments, coal renewals or any other revision.

Additional special conditions and limitations are as follows:

[Lined area for additional special conditions and limitations]



Approved: _____
Administrator
and Quality Division
Department of Environmental Quality

Approved: _____
Director
Department of Environmental Quality

Effective Date: _____

Initial MMM
Date 5-24-18

Permit No. _____
Temporary Filing No. _____

DEQ01-00004

SECTION 1.6

APPENDIX A - LANDS WITHIN THE PERMIT AREA

Section 1.6 provides the names and last known addresses of all parties having a valid interest in the lands within the Belle Ayr Mine permit area. Table 1.6-1 shows the owners of record of the surface rights within the permit area. Map 1.6-1 displays the surface owners within the Belle Ayr Mine permit area and the one-half mile perimeter. Table 1.6-2 provides the names of all coal owners within the Belle Ayr Mine permit area. Map 1.6-2 shows the coal ownership information within the permit area and the one-half mile perimeter area. Table 1.6-3 provides the names and addresses of all mineral owners and easement holders within the permit area. Map 1.6-3 presents the mineral ownership within the permit boundary for all minerals except for coal.

Table 1.7-3 provides the mailing list of surface owners requiring notification for certain permitting actions.

The information was obtained through a search of the Campbell County Courthouse records and is current through May 21, 2018. Previous search results were updated as needed to bring the resulting names and addresses listings current as of that date.

Operating Oil and Gas Wells within the Belle Ayr Mine Permit Boundary are listed in Table 1.9-3. This information was obtained through a search of the Wyoming Oil and Gas Conservation Commission records.

The courthouse information provided to Belle Ayr Mine may contain errors, misspellings, or other inconsistencies; these records have been reproduced without correction.

Table 1.6-1

Surface Owners of Record within the Permit Area

Name	Mailing Address		
Blackjewel L.L.C.	P.O. Box 3039	Gillette, WY 82717-3039	
Caballo Rojo, LLC	P. O. Box 3001	Gillette, WY 82717-3001	
Peabody Caballo Mining LLC	P. O. Box 1508	Gillette, WY 82717-1508	
State of Wyoming	Dir/Office of State Lands & Investments	122 West 25th Street	Cheyenne, WY 82001

Table 1.6-2

Coal Owners of Record within the Permit Area

Name	Mailing Address		
Blackjewel L.L.C.	P. O. Box 3039	Gillette, WY 82717-3039	
Peabody Caballo Mining LLC	PO Box 3041	Gillette, WY 82717-3041	
State of Wyoming	Public Land Commission	122 West 25th Street	Cheyenne, WY 82002-0600
United States of America	Bureau of Land Management	Washington, D.C. 20000	
Wells Fargo Bank Wyoming Casper, National Association, Trustee under that certain Trust agreement made and executed at Casper, Wyoming, on December 31, 1974, between Lorenzo D. Chambers as Settlor and The Wyoming National Bank of Casper as Trustee	P. O. Box 2799	Casper, WY 82602	

**Table 1.6-3
Parties Having Other Valid Interests within the Permit Area**

Name	Mailing Address		
3 Girls, LLC	4545 S. Monaco St., No. 144	Denver, CO 80237	
4 GRLZ Investments, LLC	P.O. Box 4221	Casper, WY 82604	
Contura Coal West, Inc.	P. O. Box 3039	Gillette, WY 82717-3039	
Contura Wyoming Land LLC	P. O. Box 3039	Gillette, WY 82717-3039	
Andrews, Richard J.	Betty Ruth Hewit Trust	7 Cherry Hills Drive	Englewood, CO 80110
Apache Corporation	2000 Post Oak Boulevard	Suite 100	Houston, TX 77056
Baalman, Mark E. and Lynne M.	4650 North Flintwood Road	Parker, CO 80134	
Bates, Carol B. and James A.	36041 Ohara Road, Box 77	Hamilton, WA 98255	
Beavers, Donald K.	a.k.a Jack Beavers	812 S. 22 nd	Laramie, WY 82070
Beavers, Edna C., Trust	Carl C. Beavers, Trustee	P. O. Box 922	Jackson, WY 83002
Beavers, James A. Beavers and Barbara E. Beavers Trust	112 North Edmonds	Powell, WY 82435	
Bell, Sammy S., Jr.	11215 N. 52 nd Ave.	Glendale, AZ 85302	
Bishop Land and Livestock Co.	8954 Via De Luna	Scottsdale, AZ 85255	
Boland, Arden R	PO Box 2283	Casper, WY 82602-2283	
Boland, Edward M	PO Box 2283	Casper, WY 82602-2283	
Brendtro, Mary J.	208 East 5 th Street	Crooks, SD 57020	
BTU Western Resources Inc	PO Box 1508	Gillette, WY 82717-1508	
Caballo Rojo LLC	P. O. Box 3009	Gillette, WY 82717-3009	
Calvert, Viola	1800 Yelowstone Rd.	Rock Springs, WY 82901	
Cat Spring Properties, LLC	P.O. Box 450	Sealy, TX 77474	
Cavalier Petro Corp	44 Inverness Dr E Ste D	Englewood, CO 80112-5410	
Chambers, Lorenzo D.	31 December 1974 Trust Agreement with Lorenzo D. Chambers as settlors Wells Fargo Bank Wyoming Casper, N.A., Trustee	P. O. Box 2799	Casper, WY 82602
Chandler, Terry Lynn	9990 W. 51 st , Apt. B 302	Arvada, CO 80002	
Cherie L. Darr Living Trust	1784 Laurel Road	Oceanside, CA 95054	
Chown, Judy	No Address Available		
Citation 2002 Investment L.P.	8223 Willow Place South Suite 250	Houston, TX 77070-5623	
Clabaugh Family Trust	Bonnie A.Clabaugh, Trustee	W-31, Highway 59 North, HCR-73	Gillette, WY 82716
Clabaugh, Glenn L.	Weston Route W-34	Highway 59 North	Gillette, WY 82716
Clabaugh, Sylvia S.	Weston Route W-34	Highway 59 North	Gillette, WY 82716
Cordero Mining Co.	PO Box 1449	Gillette, WY 82717-1449	
Cowan, Thomas Arthur	305 North Star Loop	Cheyenne, WY 82009	

**Table 1.6-3
Parties Having Other Valid Interests within the Permit Area**

Name	Mailing Address		
Cowan Delisle, Lynnann	202 Preservation CT.	Woodstock, GA	
Cox, Sherrie R.	205 Smith Street	Lander, WY 82520	
Davidson, Thelma Umbaugh	No Address Available		
Davidson, Toni Roth and Harry Melvin	No Address Available		
Davis, Alice	aka Alice Manning, aka Alice Wray	500 Charles St.	Truth Or Consequences, NM 87901
Denzin, Karla Yvonne	207 West Hills Loop	Gillette, WY 82718	
Devon Energy Production Company, L.P.	333 W. Sheridan Avenue	Oklahoma City, OK 73102	
Diaz, Linda Spangle Diaz Property Trust	2046 Ashington Drive	Glendale, CA 91206	
Diefenderfer, Michael	44 Inverness Dr E Ste D	Englewood, CO 80112-5410	
Dorough, Thomas G., Trust Partnership	PO Box 1196	Englewood, CO 80150	
Dunlap Family, LLC	P. O. Box 698	Gillette, WY 82717	
Dunlap Farms, Inc.	P. O. Box 698	Gillette, WY 82717	
Dunlap Investments	a Wyoming Partnership	Box 698	Gillette, WY 82717
Dunlap Investments	PO Box 698	Gillette, WY 82717	
Dunlap, Larry & Katherin Family Trust	P. O. Box 1145	Casper, WY 82602	
Ebert, Melinda K.	16115 Vamer Road	Mayview, MO 64071	
Eileen Mitchum	1930 East 12 th #106	Casper, WY 82601	
Eitheim, B Joan	208 East 5 th Street	Crooks, SD 57020	
Energen Resources Corp	605 Richard Arrington Blvd N	Birmingham, AL 35203-2707	
EOG A Resources Inc	104 S 4 th St	Artesia, NM 88210-2123	
EOG M Resources Inc	104 S 4 th St	Artesia, NM 88210-2123	
EOG Resources Assets LLC	1111 Bagby	Sky Lobby 2	Houston, TX 77002
EOG Y Res Inc	104 S 4 th St	Artesia, NM 88210-2123	
Evans, Donald Dwight	1700 W. Warlow	Building #2-308	Gillette, WY 82716
Evans, James A.	210 Overland Drive	Gillette, WY 82716	
Evans, Louise			
Evans, Tanya Lee	3403 Chevron Drive	Hood River, OR 97031	
Evans, Teresa Lynne	Gillette, WY 82716		
Evans, Teresa Lynne and Tanya Lee	Trust for Teresa Lynne Evans and Tanya Lee Evans c/o First Interstate Bank of Gillette, WY	P. O. Box 3004	Gillette, WY 82717
Evertson Investment Partnership LLC	P.O. Box 397	Kimball, NE 69145	
Floyd, Rick G.	R512 Recluse Route	Gillette, WY 82716	

**Table 1.6-3
Parties Having Other Valid Interests within the Permit Area**

Name	Mailing Address		
Freeburn, Jolene	701 Road 90	Ft. Laramie, WY 82212	
Freeman Investments	3415 South Clayton Blvd	Englewood, CO 80110	
Galyen, Mildred and Ralph E.	4825 Iron Horse Trail	Colorado Springs, CO 80917	
Gene F. Lang and Company	No address available		
Gish, Harold Eugene and Mae C.	3241 Dayton Road	Pasco, WA 99301-8771	
Glenzer, Michelle L.	16115 Vamer Road	Mayview, MO 64071	
Graham, Terrel J. R.	3801 Yosemite Drive	Plano, TX 75023	
Graham-Bowe, Helen Clabaugh	3313 Calais Circle	McKinney, TX 75070	
Gruenenfelder, Glenn	No Address		
Gustafson, Lynda Rae	No Address		
Guthrie, Michael T	301 Highland Park CV #D	Ridgeland, MS 39157-6059	
Haase, Amy M.	205 Smith Street	Lander, WY 82520	
Haight & Company	c/o Otelia F. Haight	Pioneer Manor, 900 West 8 th	Gillette, WY 82716
Haney, Marleta Louise & Roger Lee	1442 St. Francis Ave.	Modesto, CA 95336-9126	
Hanscomb, Gladys	Kennebec, SD 57544		
Harrod, Avis, Trustee	Trust Agreement of Clifford Harrod dated 4/1/77	426 Circle Dr	Gillette, WY 82716
Harrod, Bonita and Garry Barnett, Co-Trustees	The Family Share Trust created under the LW&T of Don A. Harrod	3255 Highway 278	Dillon, MT 59725
Harrod, Bonita and Gary Barnett, Co-trustees	Marital Trust	3255 Hwy 278	Dillon, MT 59725
Hart, Janet J.	205 Smith Street	Lander, WY 82520	
Hartnett, Lawrence T.	1207 Malden Way Drive	Spring, TX 77379	
Hayden, Karen Raye (Mankin)	2011 Kingsbury	Casper, WY 82601	
Heater Earl M. Life Estate	No Address Available		
Heller, Kayelene R.	205 Smith Street	Lander, WY 82520	
Heller, Linda S.	205 Smith Street	Lander, WY 82520	
Helmer, Connie, Trustee	Connie Helmer Living Trust dated 9/8/99	1600 Cleveland Ave	Cheyenne, WY 82001
Hetzler, Melinda K.	County of Jackson	Missouri	
Hewit, Betty Ruth	Betty Ruth Hewit Trust	7 Cherry Hills Drive	Englewood, CO 80110
High Plains Energy Company	1505 PB Lane	Suite A	Wichita Falls, TX 76302
Huston, Doris	Star Route Box 7	Kennebec, SD 57544	
Ilo and Michele Harris Living Trust	No Address		
iMinerals, LLC	5 Inverness Drive East	Englewood, CO 80112	
Isaacs Family LLLP	5 Inverness Drive East	Englewood, CO 80112	

**Table 1.6-3
Parties Having Other Valid Interests within the Permit Area**

Name	Mailing Address		
JN Resources Inc	PO Box 7167	Billings, MT 59103-7167	
Johnston, Joyce E. Robb and Jim	321 Junco Street	Casper, WY 82609	
Kessler, Irma Charlene & Carroll	Betty Ruth Hewit Trust	7953 West 650 South	Rossville, IN 46065-9030
Key Production Co Inc	1700 Lincoln St Ste 1800	Denver, CO 80203-4518	
Killeen, Kathleen A.	208 East 5 th Street	Crooks, SD 57020	
King, Randall E.	9927 Glen Canyon	Dallas, TX 75243	
Kirkwood Oil & Gas LLC	PO Box 2850	Casper, WY 82602-2850	
Lang Family Trust	P. O. Box 850	Parker, CO 80138	
Lang, Dennis Ray and Janet	12 Valentine	Highland, IL 62249	
Lang, Douglas	1223 Dorothy Street	Albuquerque, NM 87112	
Lang, Jeffrey	5084 Douglas Park Dr.	St. Charles, MO 63304	
Lang, Jerome E.	No Address		
Lanman, Donald E.	46 Berry Blossom Drive	The Woodlands, TX 77380	
L-K-E Investments	P.O. Box 2569	Wichita Walls, TX 76307	
L & M Minerals, LLC	16017 Scenic Oaks Trl.	Buda, TX 78610	
Mackey, Sherry L. and Thomas P.	PO Box 584	Story WY. 82842	
Maduro Oil & Gas, LLC	3102 Maple Ave	Ste 400	Dallas, TX 75201
Makoil Inc	PO Box B	Stanton, CA 90680-0039	
Magnum Producing LP	500 N Shoreline Blvd Ste 322	Corpus Crhisti, TX 78401-0313	
Mangus, Joyce, Living Trust	Joyce & William N. Mangus, Trustees	1231 Leisure World	Mesa, AZ 85206-3090
Mankin, Aline E., Revocable Trust	Box 1055	Gillette, WY 82717	
Mankin, John A., Revocable Trust	Box 1055	Gillette, WY 82717	
Mankin, Randall Wayne	2242 East Indianola	Phoenix, AZ 85000	
Marconett, Daniel & Stella Ann	522 Colorado	Modesto, CA 95350	
McCullis, Paul L.	PO Box 3248	Littleton, CO 80161-3248	
McDun Limited Partnership	5830 South Chestnut Street	Casper, WY 82604	
McGuire Revocable Trust,	Debra Kucera, et al Trustee,	7400 Rimrock Drive,	Gillette, WY, 82718
McGuire, Joanne H.	Savageton Route S 30	Gillette, WY 82716	
Meadows, Bradley S.	16115 Vamer Road	Mayview, MO 64071	
Milliard, Linda K	703 Hidden Meadow Ln	Columbia Falls, MT	59912-8968
Mitchell, David L.	215 West Oak St., Ste. 600	Fort Collins, CO 80521	
Mitchum, Douglas L.	No Address Available		
Moore, Kenneth E. & JoAnn	c/o Nellie Ruby Moore	Box 6520	Sheridan, WY 82801
Moore, Nellie Ruby aka Ruby Nell	aka Ruby Nell Moore	Box 6520	Sheridan, WY 82801

**Table 1.6-3
Parties Having Other Valid Interests within the Permit Area**

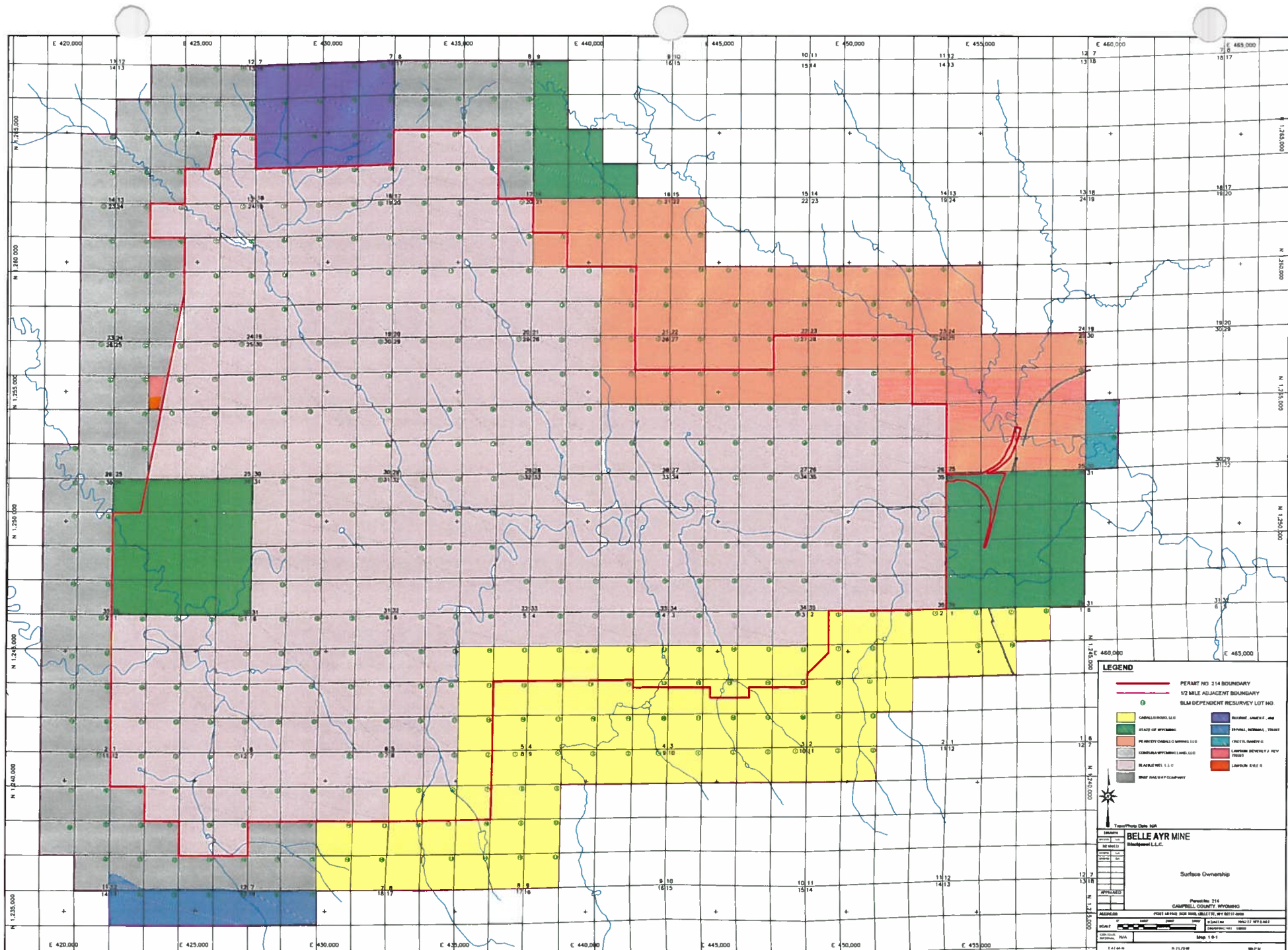
Name	Mailing Address		
Morenergy Exploration Co.	410 17 th Street	Denver, CO 80202	
Morgan, Alfreda M.	Alfreda M. Morgan Trust Wyoming Trust & Management Co., Trustee	1001 Plaza Center, Suite 232	Gillette, WY 82716
Morgan, Brian S.	227 Bell Road	Gillette, WY 82716	
Morgan, Charles Dwight	1113 S. 7 th St.	Laramie, WY 82070	
Morgan, Dorothy Belle	No Address		
Morgan, Farren and Sheryl Morgan Revocable Trust	P. O. Box 231	Wright, WY 82732	
Morgan, Marshall J.	Box 425A, Teckla Route	Gillette, WY 82716	
Morgan, Norvin D., Jr.	aka Norvan D. Morgan, Jr.	Box 645, 312 N. Big Horn Avenue	Moorcroft, WY 82721
Morgan, Randall D.	5093 East County Road 551 North	Pittsboro, Indiana 46167	
Morgan, Richard E.	Box 550, Teckla Route	Gillette, WY 82716	
Morgan, Rock Scott	No Address		
Moriah Powder River LLC	200 N Loraine St Ste 300	Midland, TX 79701-4713	
Morris, Julie McClain	No Address		
Mosher, Robert D.	8496 East 35 th Avenue	Denver, CO 80238	
Navigation Powder River LLC	8584 Katy Fwy Ste 419	Houston, TX 77024-1856	
Nelson Brothers Mining Services	2115 Bishop Road	Gillette, WY 82718	
Nelson, Toni	1607 North Park Drive	Newcastle, WY 82701	
Newman, Mary M.	904 Howell	Worland, WY 82401	
NZX Corporation	PO Box 1928	Casper, WY 82602	
OK Oil Project #2, LLC	PO Box 280235	Lakewood, CO 80228	
Old West Tours	P. O. Box 2437	Gillette, WY 82717	
Oliver, Helen Ruth	3054 Gary Ave.	Casper, WY 82609	
Oswald, Louis A., Trustee	Family Trust dated 4-27-98	P. O. Box 36157	Denver, CO 80236
Oxy Y-1 Company	PO Box 27570	Houston, TX 77227-7570	
Peabody Caballo Mining LLC	PO Box 3041	Gillette, WY 82717-3041	
Pendragon Res LP	621 17 th St Ste 750	Denver, CO 80293-2000	
Person, Phyllis L.	208 East 5 th Street	Crooks, SD 57020	
Petras, Christopher J.	1781 Captains Drive	Worden, Illinois 62097	
Pine Haven Resources LLC	4790 Table Mesa Dr Ste 202	Boulder, CO 80305-5660	
POC-1, LLC	P.O. Box 51208	Casper, WY 82605	
Powder River Midstream, LLC	200 N. Loraine	Suite 300	Midland, TX 79701

**Table 1.6-3
Parties Having Other Valid Interests within the Permit Area**

Name	Mailing Address		
Powder River Oil & Gas Ventures, LLC	410 17 th Street	Suite 1150	Denver, CO 80202
Prima Exploration, Inc.	100 Filmore Street	Suite 450	Denver, CO 80206
Purcelli, Dean	4124 W 116 th Way	Westminster, CO 80031	
Reece, Nancy Lynn Spangle	c/o Dorothy Towner	216 Ellen Way	Arcadia, CA 91106
RHD Coal Partners, LLC	P. O. Box 698	Gillette, WY 82717	
Riggle, David Wayne	P. O. Box 2624	Gillette, WY 82717	
Riggle, Kenton Lee	158 Freedom	Gillette, WY 82716	
Rim Operating Inc	5 Inverness Dr E	Englewood, CO 80112-5519	
Robb, Howard R.	Star Rte. 3 Box 311	Lusk, WY 82225	
Robb, James A. and Mary	P. O. Box 1303	Lusk, WY 82225	
Robb, James A. and Mary May	P. O. Box 1303	Lusk, WY 82225	
Roderick, Jonathan S.	6154 W. 83 rd Way	Arvada, CO 80003	
Rourke, Paul D. et al	First Interstate Trust Dept.	PO Box 3004	Gillette, WY 82717
Saunders, W. G., Trustee	434 Crescent Drive	Sheridan, WY 82801	
Schulz, Sheryl	1010 Roughlock Lane	Spearfish, SD 57783	
Scott, Loren	7742 South Yukon Way	Littleton, CO 80123	
Seely, Glenda K.	P. O. Box 1	Lander, WY 82520	
Severson, Dorothy M. and Wesley E.	4386 W. Chalmers Street	Casper, WY 82604	
Severson, Wesley E. and Dorothy M.	4386 W. Chalmers Street	Casper, WY 82604	
Sicks, Elsie M. and Alan	2505 Meadow Lane	Gillette, WY 82716	
Sigler, Lisa	1714 Falcon Ridge	Friendswood, TX 77546	
Spear C, LLC	P.O. Box 2756	Casper, WY 86202	
State of Wyoming	Office of State Lands & Investments	Herschler Building, 3W 122 West 25 th Street	Cheyenne, WY 82002
Strock Minerals LLC	PO Box 2865	Casper, WY 82602-2865	
Taylor, Anna Mae	No Address		
T-Bar Oil & Gas, Ltd.	Dome Tower	1625 Broadway, Suite 2730	Denver, CO 80202
Timothy T. Schowalter Rev. Trust	PO Box 4191	Granby, CO 80446	
Tyrrel, Lynda Rae	116 West Hills Loop	Gillette, WY 82718	
Bureau of Land Management	Wyoming State Office	5353 Yellowstone Road	Cheyenne, WY 82009
Umbaugh, Kenneth McArthur	No Address Available		
University of Wyoming Foundation	222 N. 22 nd Street	Laramie, WY 82070	
Urban Oil & Gas Group LLC	1000 14 th St Ste 300	Plano, TX 75074-6214	
Urban Oil & Gas Partners A-1 LP	1000 14 th St Ste 300	Plano, TX 75074-6214	
Urban Fund I LP	1000 14 th St Ste 300	Plano, TX 75074-6214	

**Table 1.6-3
Parties Having Other Valid Interests within the Permit Area**

Name	Mailing Address		
Vaught, George G. Jr.	PO Box 13557	Denver CO 80201-3557	
Wadley, Dorothy T.	Dorothy T. Wadley Living Trust	216 Ellen Way	Arcadia, CA 91106
Wagoner, Toni Jo	Box 672	Buffalo, WY 82834	
Walter, Kristi Sue	No Address		
Walter, Michael John	No Address		
Wasson, Edward B	440 Monroe St	Denver, CO 80206-4447	
Wellstar Corporation	11990 Grant St Ste 550	Northglenn, CO 80233-1101	
Wilkerson, Leon Michael	PO Box 344	Bridgeport, TX 76426-0344	
West, Jeanette B. and Louis R.	P.O. Box 484	Dayton, WY 82836	
Wilkins, Elsie M.	No Address Available		
Wilmot, Carina L. Rev. Trust	500 Geddis Street	Helena, MT 59601	
Wilmot, Jason L. Rev. Trust	P.O. Box 2162	Jackson, WY 83001	
Wilson, Douglas J.	205 Smith Street	Lander, WY 82520	
Wilson, Everett L.	P. O. Box 418	Powell, WY 82435	
Wilson, Floyd D.	P. O. Box 1038	Lander, WY 82520	
Wilson, Jarrett	205 Smith Street	Lander, WY 82520	
Wilson, Nancy	370 Wood Street	Lander, WY 82520	
Wilson, Phillip R.	P. O. Box 502	Diamondville, WY 83116	
Wray Manning, Alice	aka Alice Wray, aka Alice Davis	500 Charles St.	Truth Or Consequences, NM 87901



DEQ01-00015

SECTION 1.7

APPENDIX B - ADJACENT LANDS

Section 1.7 provides the names and last known addresses of parties having a valid interest in the lands within one-half mile of the Belle Ayr permit area. Table 1.7-1 lists the owners of record of the surface rights for lands adjacent to the permit area (within one-half mile of the permit area). For a visual display of these surface owners please refer to Map 1.6-1. Table 1.7-2 lists the owners and the last known addresses of record of the coal resource within one-half mile of the permit area. These coal owners are shown on Map 1.6-2.

Table 1.7-3 provides the list of surface owners requiring notification for certain permitting actions.

The information was obtained through a search of the Campbell County Courthouse records and is current through May 21, 2018. Previous search results were updated as needed to bring the resulting names and addresses listings current as of that date. No liability for errors in prior adjudication searches is assumed.

The courthouse information provided to Belle Ayr Mine may contain errors, misspellings, or other inconsistencies; these records have been reproduced without correction.

**Table 1.7-1
Surface Owners of Record in the Adjacent Area**

Name	Mailing Address		
Contura Wyoming Land, LLC	P. O. Box 3039	Gillette, WY 82717-3039	
BNSF Railway Company	2500 Lou Menk Dr	Fort Worth, TX 76131-2828	
Caballo Rojo, LLC	P. O. Box 3001	Gillette, WY 82717-3001	
Duvall, Norma L. Trust	Norma L. Duvall Trust	9498 State Highway 59 South	Gillette, WY 82718-9351
Greer, Randy C.	P. O. Box 38	Gillette, WY 82717-0038	
Lawson, Beverly J. Rev Trust	P. O. Box 2227	Gillette, WY 82717-2227	
Lawson, Kyle R.	9951 State Highway 59 S Unit 9	Gillette, WY 82718-9108	
Peabody Caballo Mining LLC	P. O. Box 1508	Gillette, WY 82717-1508	
Rourke, Charles T., et al	116 4 Corners Rd Unit A	Gillette, WY 82718-9419	
State of Wyoming	Dir/Office of State Lands & Investments	122 West 25th Street	Cheyenne, WY 82001-3004

**Table 1.7-2
Coal Owners of Record in the Adjacent Area**

Name	Mailing Address		
Contura Wyoming Land, LLC	P. O. Box 3039	Gillette, WY 82717-3039	
Beverly, Patricia Ann	4605 LaPortalada Drive	Carlsbad, CA 92008	
Caballo Rojo, Inc.	P. O. Box 1449	Gillette, WY 82717-1449	
Cassidy, Frank C.	662 El Tango	Venice, FL 33596	
Cassidy, James H., Jr.	P. O. Box 3618	Gillette, WY 82717	
Cassidy, Phyllis Dorothy	405 Prairieview Drive	Gillette, WY 82716	
Clabaugh, Bonnie, Trustee, Clabaugh Family Trust	W-31, Highway 59 North	HCR-73	Gillette, WY 82716
Clabaugh, Glenn L.	Weston Route W-34	Highway 59 North	Gillette, WY 82716
Clabaugh, Sylvia S.	Weston Route W-34	Highway 59 North	Gillette, WY 82716
Graham, Terrel J. R.	3801 Yosemite Drive	Plano, TX 75074	
Graham-Bowe, Helen Clabaugh	3801 Yosemite Drive	Plano, TX 75074	
Smith, Helen Louise	451 Wright Street, Unit 15	Lakewood, CO 80228	
Smith, Robert Blake	8304 Pureta Vista	Austin, TX 78259	
State of Wyoming	Public Land Commission	122 West 25th Street	Cheyenne, WY 82002-0600
Tarr, Philip G.	P. O. Box 1171	El Camino Real Rancho	Santa Fe, CA 92067
United States of America	Bureau of Land Management	Washington, D.C. 20000	
Wells Fargo Bank Wyoming Casper, National Association, Trustee under that certain Trust agreement made and executed at Casper, Wyoming, on December 31, 1974, between Lorenzo D. Chambers as Settlor and The Wyoming National Bank of Casper as Trustee		P. O. Box 2799	Casper, WY 82602

**Table 1.7-3
Mailing List for Certain Permitting Actions**

Name	Mailing Address		
Blackjewel L.L.C.	P.O. Box 3039	Gillette, WY 82717-3039	
Contura Wyoming Land, LLC	P. O. Box 3039	Gillette, WY 82717-3039	
BNSF Railway Company	2500 Lou Menk Dr	Fort Worth, TX 76131-2828	
Caballo Rojo, LLC	P. O. Box 3001	Gillette, WY 82717-3001	
Duvall, Norma L. Trust	Norma L. Duvall Trust	9498 State Highway 59 South	Gillette, WY 82718-9351
Greer, Randy C.	P. O. Box 38	Gillette, WY 82717-0038	
Lawson, Beverly J. Rev Trust	P. O. Box 2227	Gillette, WY 82717-2227	
Lawson, Kyle R.	9951 State Highway 59 S Unit 9	Gillette, WY 82718-9108	
Peabody Caballo Mining LLC	P. O. Box 1508	Gillette, WY 82717-1508	
Rourke, Charles T., et al	116 4 Corners Rd Unit A	Gillette, WY 82718-9419	
State of Wyoming	Dir/Office of State Lands & Investments	122 West 25th Street	Cheyenne, WY 82001-3004
Wyoming Oil and Gas Conservation Commission	2211 King Blvd.	P.O. Box 2640	Casper, WY 82602

Note: This list contains the combined parties from Table 1.6-1 and 1.7-1 as well as the WOGCC.

1.9 Appendix E

Map Indicating Lands to be Affected Over the Life of Mine

Refer to Map 1.9-3 for the areas that may be affected over the life of the mine. Not all lands within the Affected Area Boundary will be affected by mining activities. The affected area extends beyond the mining pit limits to allow room for support facilities and activities.

Map Indicating Drainage Areas Within and Surrounding the Proposed Permit Area

Refer to Map 2.6.1-1 for the drainage areas within and surrounding the permit area.

Location and Names (Where Known) of All Existing Roads, Railroads, Public or Private Rights-of-Way and Easements, Utility Lines, Pipelines, Buildings, Lakes, Streams, Creeks, Springs, and Other Surface Water Courses, Oil Wells, Gas Wells, and Water Wells

The location and names (where known) of all existing roads, railroads, public and private rights-of-way and easements, utility lines, and pipelines are shown on Map 1.9-1. Lakes, streams, creeks, springs, and other water courses are shown on Map 2.6.1-1. All known water wells and associated ground and surface water rights are indicated on Map 1.9-2. Table 1.9-1 provides additional information for each surface water right. Table 1.9-2 provides similar information for the ground water rights permits.

All known oil and gas wells are indicated on Map 1.9-4. A listing for the oil and gas wells presented on this map is provided in Table 1.9-3.

Permits for all water wells and surface water structures are listed in Table 1.10-1. All groundwater rights on and within three miles of the permit boundary may be found in Table 1.9-2. All surface water rights on and within one-half mile of the permit boundary may be found in Table 1.9-1.

The ownership and use of the buildings on and adjacent to the permit area are shown on Map 1.9-1.

Outline of the Probable Limits of All Areas Previously Disturbed or to be Disturbed by Underground or Surface Mining (Whether Active or Inactive) Within or Adjacent to the Proposed Permit Area

No areas within or adjacent to the Belle Ayr permit area have been or are expected to be disturbed by underground mining. The probable limits of all areas previously disturbed or expected to be disturbed by Belle Ayr Mine by surface mining within the permit area are indicated on Map 1.9-3. Permits 433 and 237 address surface mining on adjacent lands for the Caballo Mine and the Cordero Rojo Mine, respectively.

Belle Ayr commenced coal operations prior to August 3, 1977. Map 1.9-3 presents the various disturbance boundaries for the three phases prior to November 25, 1980.

Table 1.9-1, Surface Water Rights Within and Adjacent to the Belle Ayr Mine										
Permit	T	R	S	QQ	Status	Uses	Facility	Applicant	Priority	Source
P8182.0R	47	71	01	SWNE	Complete	IND_SW	CABALLO ROJO SEDIMENT POND NO. 2	CABALLO ROJO LLC	09/24/1980	Windmill Draw
P8427.0R	47	71	01	NESW	Complete	IND_SW	CABALLO ROJO SEDIMENT POND NO. 1	CABALLO ROJO LLC	03/18/1982	Stockpile Draw
P8185.0R	47	71	02	NWNE	Complete	IND_SW	CABALLO ROJO SEDIMENT POND NO. 18 RESERVOIR	CABALLO ROJO, INC.	09/24/1980	Les Draw
P8218.0R	47	71	02	NESW	Complete	IND_SW; MIS_SW; TEM	ROJO CABALLOS FACILITIES POND NO. F-2	CABALLO ROJO LLC	02/20/1981	West Fork Les Draw
P8219.0R	47	71	02	NESW	Complete	IND_SW; MIS_SW; TEM	ROJO CABALLOS FACILITIES POND NO. F-3 RESERVOIR	CABALLO ROJO LLC	02/20/1981	West Fork Les Draw
P8281.0R	47	71	02	NENE	Complete	IND_SW	ROJO CABALLOS SEDIMENT POND NO. 23	CABALLO ROJO LLC	05/22/1981	Depression Draw
P8283.0R	47	71	02	SENE	Complete	IND_SW	SEDIMENT TRAP NO. 1 RESERVOIR	CABALLO ROJO LLC	05/22/1981	Trap No. 2 Draw
P9561.0R	47	71	03	NWNE	Complete	IND_SW	CLABAUGH 2B RESERVOIR	CABALLO ROJO LLC	01/29/1990	Clabaugh Draw
CR CR03/347	47	71	03	NESW		STO	CLAYBAUGH STOCKWATER RESERVOIR	LESLIE CLABAUGH	06/25/1962	Clabaugh Draw
P14010.0R	47	71	03	SWSE	Complete	IND_SW	SPP-33 BIG DEBBIE	CORDERO MINING LLC	03/21/2012	Clabaugh Draw
P11811.0R	47	71	04	SWSE	Complete	IND_SW	ENLARGEMENT OF SEDIMENT POND NO. 31	CABALLO ROJO LLC	07/28/2004	Pete Draw
P9565.0R	47	71	04	NENE	Complete	IND_SW	SEDIMENT POND 26B	CABALLO ROJO LLC	01/29/1990	Demott Draw
CR CR10/466	47	71	04	NWSE	Fully Adjudicated	STO	PILLEY STOCK RESERVOIR	MOBIL MINERAL RESOURCES INC	07/30/1984	Pete Draw
P13831.0R	47	71	05	SENE	Complete	FLO; IND_SW	KYLE 2 RESERVOIR	CORDERO MINING LLC	03/16/2011	Caballo Creek
P11054.0R	47	71	09	NWNE	Complete	IND_SW	SEDIMENT POND NO. 31	CABALLO ROJO LLC	06/21/2000	Pete Draw
P5386.0S	47	71	10	NWSE	Complete	STO	DEMOTT STOCK RESERVOIR	MOBIL OIL CORPORATION	10/01/1965	Demott Draw
CR CR03/348	47	71	10	NWSE		STO	DEMOTT STOCK RESERVOIR	LESLIE C AND BONNIE A CLABAUGH	10/01/1965	Demott Draw
P1366.0S	47	72	02	NENW	Complete		LYNDE NO. 4 STOCK RESERVOIR	I.W. & WINNIE E. LYNDE MEMORIAL TRUST	01/26/1956	Caballo Creek
CR CR10/458	47	72	02	NENW	Fully Adjudicated	STO	LYNDE NO. 4 STOCK RESERVOIR	I W AND WINNIE E LYNDE MEMORIAL TRUST	01/26/1956	Caballo Creek
P11759.0S	47	72	11	NWSW	Complete		HOE CREEK STOCK RESERVOIR	I.W. & WINNIE E. LYNDE MEMORIAL TRUST	05/12/1993	Coal Canyon Creek
CR CR13/407	47	72	11	NWSW	Fully Adjudicated	STO	HOE CREEK STOCK RESERVOIR	I W AND WINNIE E LYNDE MEMORIAL TRUST	05/12/1993	Coal Canyon Creek
P12638.0D	47	72	11	SWNW	Complete		HOE NO. 5	I.W. AND WINNIE E. LYNDE MEMORIAL TRUST	08/15/1914	Hoe Creek
CR CC43/021	47	72	11	SWNW	Fully Adjudicated	IRR_SW	HOE NO. 5	I W AND WINNIE E LYNDE	08/15/1914	Hoe Creek

Table 1.9-1, Surface Water Rights Within and Adjacent to the Belle Ayr Mine											
Permit	T	R	S	QQ	Status	Uses	Facility	Applicant	Priority	Source	
P11759.0S	47	72	11	NWSW	Fully Adjudicated	STO	Hoe Creek Stock Reservoir		05/12/1993	Coal Canyon Creek	
P12638.0D	47	72	11	SWNW	Fully Adjudicated	IRR_SW	Hoe No. 5	I.W. & Winnie E. Lynde Memorial Trust	08/15/1914	Hoe Creek	
P10278.0S	48	70	30	NWSE	Complete	STO	DEER HAVEN STOCK RESERVOIR	CABALLO COAL CO	01/18/1988	Chambers Draw	
P12712.0R	48	70	30	SESW	Complete	CMU; FIS; WET	GREER RESERVOIR	RANDY GREER	11/14/2006	Tisdale Creek	
CR CR25/303	48	70	30	SESW	Fully Adjudicated	CMU; FIS; WET	GREER RESERVOIR	RANDY C GREER	11/14/2006	Tisdale Creek	
P13706.0R	48	71	17	NENE	Complete	IND_SW	SHAWN RESERVOIR	PEABODY CABALLO MINING LLC	11/03/2010	Tisdale Creek	
P13707.0R	48	71	17	NWNE	Complete	IND_SW	PENELOPE RESERVOIR	PEABODY CABALLO MINING LLC	11/03/2010	Tisdale Creek	
P13708.0R	48	71	17	NWNW	Complete	IND_SW	PENTAGON RESERVOIR	PEABODY CABALLO MINING LLC	11/03/2010	Tisdale Creek	
P10488.0R	48	71	19	SESW	Complete	FLO; IND SW; STO; WL	DUCK NEST RESERVOIR	CONTURA COAL WEST, LLC	11/22/1996	Duck Nest Creek	
P931.0R	48	71	19	SESW	Complete	DOM SW; STO	SULLIVAN RESERVOIR	RAG WYOMING LAND COMPANY INC	10/08/1906	Duck Nest Creek	
CR CC26/323	48	71	19	SESW		STO; DOM_SW	SULLIVAN RESERVOIR	JOHN MORTON SHEEP COMPANY	10/08/1906	Duck Nest Creek	
P11976.0R	48	71	22	NWNW	Complete	IND_SW	LAC SO RESERVOIR	PEABODY CABALLO MINING LLC	12/22/2004	Tisdale Creek	
P11637.0R	48	71	23	SWSE	Complete	WET	AVOCET RESERVOIR	CABALLO COAL COMPANY	11/03/2003	Tisdale Creek	
P12282.0R	48	71	23	SWNW	Complete	IND_SW	TISDALE C RESERVOIR	PEABODY CABALLO MINING LLC	09/16/2005	Tisdale Creek	
P9000.0R	48	71	23	SWNE	Complete	IND_SW	SEDIMENTATION TRAPS ST 4S AND ST SP3E RESERVOIR	CABALLO COAL CO.	05/28/1985	North Tisdale Creek	
CR CR17/051	48	71	23	SWSE	Fully Adjudicated	WET	AVOCET	CABALLO COAL COMPANY	11/03/2003	Tisdale Creek	
P10410.0R	48	71	24	SESW	Complete	WET	NORTH TISDALE CREEK WETLANDS RESERVOIR	PEABODY CABALLO MINING LLC	08/15/1996	North Tisdale Creek	
P412.0S	48	71	24	NESE	Complete	STO	HUMES STOCK RESERVOIR	PEABODY CABALLO MINING LLC	10/05/1953	Gold Mine Gulch	
P7604.0S	48	71	24	NWSW	Complete	STO	P. J. STOCK RESERVOIR	CABALLO COAL CO.	10/18/1973	North Tisdale Creek	
P9132.0R	48	71	24	SWSW	Complete	IND_SW; MIS_SW	HORSE HOOF RESERVOIR	PEABODY CABALLO MINING, LLC	01/15/1986	North Tisdale Creek	
P7605.0S	48	71	25	SWNW	Complete	STO	JIMMY STOCK RESERVOIR	PEABODY CABALLO MINING, LLC	10/18/1973	Tisdale Creek	
P7967.0R	48	71	25	SWNW	Complete	IND_SW; OTH	CABALLO MINE RESERVOIR	PEABODY CABALLO MINING, LLC	03/23/1978	North Tisdale Creek	
P24263.0D	48	71	25	SWNW	Unadjudicated	IRR_SW	CASSIDY SPREADER SYSTEM NO. 2	CABALLO COAL CO.	12/12/1973	Bonepile Creek	
P10500.0R	48	71	26	NWSW	Complete	IND_SW	USGS RESERVOIR	CABALLO COAL CO	03/14/1997	Baxter Draw	
P9773.0R	48	71	26	NENE	Complete	IND_SW	TISDALE NO. 3 RESERVOIR	CABALLO COAL CO.	02/06/1991	Tisdale Creek	

Table 1.9-1, Surface Water Rights Within and Adjacent to the Belle Ayr Mine										
Permit	T	R	S	QQ	Status	Uses	Facility	Applicant	Priority	Source
P10288.0R	48	71	27	SESE	Complete	FIR; IND_SW	COAL BARN RESERVOIR	CONTURA COAL WEST, LLC	11/03/1993	Hamer Draw
P10424.0R	48	71	27	SENE	Complete	WET	MALLARD DUCK RESERVOIR	CABALLO COAL CO	09/06/1996	Baxter Draw
P8310.0R	48	71	27	SWSW	Complete	IND_SW	GRALLAS GULCH SEDIMENT	CONTURA COAL WEST, LLC	06/09/1981	Grallas Gulch
P8311.0R	48	71	27	SWSW	Complete	IND_SW	COAL HAUL ROAD RESERVOIR	CONTURA COAL WEST, LLC	06/09/1981	Grallas Gulch
P8771.0S	48	71	27	NWSW	Complete	STO	UPPER GRALLAS GULCH STOCK RESERVOIR	CONTURA COAL WEST, LLC	01/28/1981	Grallas Gulch
CR CR15/063	48	71	27	SENE	Fully Adjudicated	WET	MALLARD DUCK RESERVOIR	CABALLO COAL CO	09/06/1996	Baxter Draw
P10812.0R	48	71	28	NENW	Complete	IND_SW	JAGUAR RESERVOIR	CABALLO COAL COMPANY	06/25/1999	Draw No. 2
P10813.0R	48	71	28	NWSE	Complete	IND_SW	LYNX RESERVOIR	CABALLO COAL COMPANY	06/25/1999	McClure Draw
P8663.0R	48	71	29	NENE	Complete	FLO; IND_SW	NORTHWEST RESERVOIR	CONTURA COAL WEST, LLC	07/11/1983	Draw No. 2
P10431.0R	48	71	33	SWNE	Complete	FLO; IND_SW, STO; WL	BANPDES 019 RESERVOIR	CONTURA COAL WEST, LLC	09/17/1996	Caballo Creek
P10433.0R	48	71	33	NWNE	Complete	IND_SW, STO; WL	SEDIMENT BA34 RESERVOIR	CONTURA COAL WEST, LLC	09/17/1996	Caballo Creek
P10437.0R	48	71	33	SENE	Complete	IND_SW, STO; WL	SEDIMENT BA57 RESERVOIR	CONTURA COAL WEST, LLC	09/17/1996	Demott Draw
P9096.0R	48	71	33	NWNE	Complete	IND_SW	BANPDES 013 RESERVOIR	CONTURA COAL WEST, LLC	07/02/1985	Caballo Creek
P9143.0R	48	71	33	NWNE	Complete	IND_SW	BANPDES 015 RESERVOIR	CONTURA COAL WEST, LLC	05/30/1985	Draw No. 2
P9521.0R	48	71	33	NWNW	Complete	FIS; STO; WL	TEMPORARY NORTH PIT RESERVOIR	CONTURA COAL WEST, LLC	07/10/1989	Caballo Creek
P8557.0R	48	71	34	SENE	Complete	IND_SW	BONEYARD SEDIMENT RESERVOIR	CONTURA COAL WEST, LLC	09/14/1981	Caballo Creek
P10432.0R	48	71	35	SWNW	Complete	IND_SW, STO; WL	SEDIMENT BA10 RESERVOIR	CONTURA COAL WEST, LLC	09/17/1996	Caballo Creek
P7637.0R	48	71	35	NENE	Complete	FIS	BELLE AYR SOUTH NO 1 RESERVOIR	FOUNDATION COAL WEST, INC.	11/07/1974	Caballo Creek
P7638.0R	48	71	35	SENE	Complete	FIS	BELLE AYR SOUTH NO 2 RESERVOIR	FOUNDATION COAL WEST, INC.	11/07/1974	Caballo Creek
P7639.0R	48	71	35	NESE	Complete	FIS	BELLE AYR SOUTH NO 3 RESERVOIR	FOUNDATION COAL WEST, INC.	11/07/1974	Caballo Creek
P9038.0R	48	71	35	NENW	Complete	IND_SW	BANPDES 002 RESERVOIR	CONTURA COAL WEST, LLC	05/30/1985	Denton Draw
P9280.0R	48	71	35	NENE	Complete	IND_SW, WL	SEDIMENT BA8 RESERVOIR	CONTURA COAL WEST, LLC	07/09/1987	Meadowlark Draw
P9676.0R	48	71	35	NENE	Complete	IND_SW, WL	ENL SEDIMENT BA8	CONTURA COAL WEST, LLC	10/17/1990	Meadowlark Draw
CR CR07/492	48	71	35	NENE	Fully Adjudicated	FIS	BELLE AYR SOUTH NO. 1 RESERVOIR	AMAX COAL COMPANY A DIVISION OF AMAX INC	11/07/1974	Caballo Creek
CR CR07/493	48	71	35	SENE	Fully Adjudicated	FIS	BELLE AYR SOUTH NO. 2 RESERVOIR	AMAX COAL COMPANY A DIVISION OF AMAX INC	11/07/1974	Caballo Creek
CR CR07/494	48	71	35	NESE	Fully Adjudicated	FIS	BELLE AYR SOUTH NO. 3 RESERVOIR	AMAX COAL COMPANY A DIVISION OF AMAX INC	11/07/1974	Caballo Creek
P16396.0S	48	72	14	NENW	Complete	STO	RAG COAL WEST INC	EAST ZOLK STOCK RESERVOIR	11/13/2001	Chickadee Creek

Table 1.9-1, Surface Water Rights Within and Adjacent to the Belle Ayr Mine											
Permit	T	R	S	QQ	Status	Uses	Facility	Applicant	Priority	Source	
P1363.0S	48	72	35	SWSW	Complete		I.W. AND WINNIE E. LYNDE MEMORIAL TRUST	LYNDE NO. 1 STOCK RESERVOIR	01/26/1956	Caballo Creek	
P1364.0S	48	72	35	SWSW	Complete		I.W. & WINNIE E. LYNDE MEMORIAL TRUST	LYNDE NO. 2 STOCK RESERVOIR	01/26/1956	Caballo Creek	
P1365.0S	48	72	35	SESW	Complete		I.W. & WINNIE E. LYNDE MEMORIAL TRUST	LYNDE NO. 3 STOCK RESERVOIR	01/26/1956	Caballo Creek	
P1369.0S	48	72	35	SESW	Complete		I.W. & WINNIE E. LYNDE MEMORIAL TRUST	LYNDE NO. 8 STOCK RESERVOIR	01/26/1956	Caballo Creek	
P1371.0S	48	72	35	NWSW	Complete		I.W. & WINNIE E. LYNDE MEMORIAL TRUST	LYNDE NO. 9 STOCK RESERVOIR	04/10/1956	Caballo Creek	
CR CR10/455	48	72	35	SWSW	Fully Adjudicated	STO	I W AND WINNIE E LYNDE MEMORIAL TRUST	LYNDE NO. 1 STOCK RESERVOIR	01/26/1956	Caballo Creek	
CR CR10/456	48	72	35	SWSW	Fully Adjudicated	STO	I W AND WINNIE E LYNDE MEMORIAL TRUST	LYNDE NO. 2 STOCK RESERVOIR	01/26/1956	Caballo Creek	
CR CR10/457	48	72	35	SESW	Fully Adjudicated	STO	I W AND WINNIE E LYNDE MEMORIAL TRUST	LYNDE NO. 3 STOCK RESERVOIR	01/26/1956	Caballo Creek	
CR CR10/461	48	72	35	SESW	Fully Adjudicated	STO	I W AND WINNIE E LYNDE MEMORIAL TRUST	LYNDE NO. 8 STOCK RESERVOIR	01/26/1956	Caballo Creek	
CR CR10/463	48	72	35	NWSW	Fully Adjudicated	STO	I W AND WINNIE E LYNDE MEMORIAL TRUST	LYNDE NO. 9 STOCK RESERVOIR	04/10/1956	Caballo Creek	
P3293.0D	48	72	35	SWSW		DOM SW, IRR SW	Kavio Ditch	George A. Keeline	06/27/1901	Caballo Creek	
P3294.0D	48	72	35	NENE		DOM_SW, IRR_SW	Bone Pile Ditch	George A. Keeline	06/27/1901	Bonepile Creek	

Table 1.9-1, Surface Water Rights Within and Adjacent to the Belle Ayr Mine

Search was conducted on SEO database as of January 11, 2018. Water rights with a Status Code of Cancelled or Expired have been eliminated from the listing provided above, as none of these represent a valid current right. A double asterisk (**) in the Applicant Column represents a separator between parties where multiple parties are involved. Record Suffixes are denoted as follows:

- "D" signifies a ditch or pipeline permit.
- "E" signifies an enlargement of a ditch or pipeline permit.
- "S" signifies a stock reservoir permit.
- "R" signifies a reservoir permit.

ABBREVIATIONS FOR STATUS:

A&C	Abandoned and Cancelled	OTH	Other
ABA	Abandoned and Cancelled	PU	Point of Use
ADJ	Adjudicated	REC	Lands Received under other permit
AME	Amended	REJ	Rejected
CAN	Cancelled	REM	Remaining
DSC	Description	TEM	Temporary Use
E&C	Eliminated and Cancelled	TEM	Temporary
ELI	Eliminated	TRA	Transferred
EXP	Expired	UNA	Unadjudicated
GST	Good Standing	?	No Entry in Database

ABBREVIATIONS FOR USES:

DEW	Dewatering	MIN	Mining
DOM	Domestic	MIS	Miscellaneous
DSP	Domestic Supply	MON	Monitoring
FIR	Fire Protection	MUN	Municipal
FIS	Fish Propagation	POW	Power Development
FLO	Flood Control	REC	Recreation
HEX	Heat Extraction	RES	Reservoir Supply
IND	Industrial	STO	Stock
IRR	Irrigation	UTI	Public Utility
MAN	Manufacturing	WET	Wetlands
MED	Medicinal	WIL	Wildlife

Surface Water Rights Search Area

Township	Range	Sections
T47	R70	5-6
T47	R71	1-10, 18
T47	R72	1-2, 11-13
T48	R70	30-32
T48	R71	16-36
T48	R72	13-14, 23-26, 35-36

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P15838.OP	47	70	06	SWNE	Complete	STK	ANGELA A. BOOS TRUST	#4 BOOS	100	295.00	10/15/1960
P16266.OP	47	70	07	NENW	Complete	STK	CABALLO ROJO LLC	BOOS #1 WATER	100	197.00	11/19/1956
P66433.OW	47	70	06	SESW	Complete	IND GW	Davis Oil Co.	BOOS UNIT WATER SUPPLY WELL #1	210	1128.00	02/15/1984
P125756.OW	47	71	01	SWSE	Fully Adjudicated	IND GW; MIS	CABALLO ROJO LLC	NELSON #1	100	540.00	05/30/2000
P60533.OW	47	71	01	NWSW	Complete	MON	CABALLO ROJO LLC	CR 82 1 6KK	71.22	84.00	05/04/1982
P60536.OW	47	71	01	NWSW	Complete	MON	CABALLO ROJO LLC	CR 82 1 5KK	76.11	90.00	05/04/1982
P71656.OW	47	71	01	SENW	Complete	MON	ALPHA COAL WEST INC	AV1 2	4.19	22.00	12/30/1985
P71657.OW	47	71	01	SENW	Complete	MON	ALPHA COAL WEST INC	AV1 3	4.37	20.00	12/30/1985
P71658.OW	47	71	01	SENW	Complete	MON	ALPHA COAL WEST INC	AV1 4	4.78	23.00	12/30/1985
P187617.OW	47	71	01	SWSE	Fully Adjudicated	IND GW; MIS	CABALLO ROJO LLC	ENL NELSON #1			5/22/2008
P193484.OW	47	71	01	SWSE	Fully Adjudicated	IND GW; MIS	CABALLO ROJO LLC	NELSON #2 WELL	291	625.00	07/26/2010
CR UW21/325	47	71	01	SWSE	Fully Adjudicated	IND GW; MIS	CABALLO ROJO LLC	NELSON #1	100	540.00	05/30/2000
CR UW21/326	47	71	01	SWSE	Fully Adjudicated	IND GW; MIS	CABALLO ROJO LLC	ENL NELSON #1			05/22/2008
CR UW21/327	47	71	01	SWSE	Fully Adjudicated	IND GW; IRR GW; MIS	CABALLO ROJO LLC	NELSON #2 WELL	291	625.00	07/26/2010
P48424.OW	47	71	02	SWSW	Fully Adjudicated	CBM	CABALLO ROJO, INC.	MOBIL ROJO #2A	327	2034.00	05/25/1979
P56324.OW	47	71	02	SENE	Complete	MON	CABALLO ROJO LLC	C 81 2 1	75.01	92.00	03/20/1981
P57137.OW	47	71	02	SWSW	Fully Adjudicated	IND GW; MIS	CABALLO ROJO, INC.	ENL MOBIL ROJO #2A	327	2034.00	04/23/1981
P60561.OW	47	71	02	NWSW	Complete	MON	CABALLO ROJO LLC	CR 82 2 2K	165.9	217.00	05/04/1982
P66523.OW	47	71	02	SWSW	Fully Adjudicated	IND GW; MIS	Caballo Rojo, Inc.	ENL MOBILE ROJO #2A	405.18	2034.00	02/16/1984
P84115.OW	47	71	02	SESE	Complete	MON	CABALLO ROJO LLC	BFMW-90-2-1	102	125.00	12/12/1990
CR UW04/453	47	71	02	SWSW		IND GW; MIS	WYO BOARD LAND COMMISSIONERS	MOBIL ROJO #2A			05/25/1979
CR UW04/455	47	71	02	SWSW		IND GW; MIS	WYO BOARD LAND COMMISSIONERS	ENL MOBIL ROJO #2A			04/23/1981
CR UW04/456	47	71	02	SWSW		IND GW; MIS	WYO BOARD LAND COMMISSIONERS	ENL MOBILE ROJO #2A			02/16/1984
P136301.OW	47	71	03	SWSW	Complete	MON	CORDERO MINING LLC	01-SW3-PDW	184	225.00	07/06/2001
P160832.OW	47	71	03	SESW	Complete	MON	CABALLO ROJO LLC	04-SESWSEC3-DP-1	0	210.00	07/09/2004
P160835.OW	47	71	03	NWNW	Complete	MON	CABALLO ROJO LLC	04-INWNWSEC3-3942	70	200.00	07/09/2004
P49856.OW	47	71	03	SWNE	Complete	MON	Caballo Rojo, Inc.	MOBIL 079 3	64.2	110.00	08/14/1979
P84116.OW	47	71	03	SENW	Complete	MON	CABALLO ROJO LLC	BFMW-90-3-2	0	115.00	12/12/1990
P86500.OW	47	71	03	NENW	Complete	MON	CONTURA COAL WEST LLC	UB 0301	-7	96.10	10/31/1991

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P160827.0W	47	71	04	SENW	Fully Adjudicated	MON	CABALLO ROJO LLC	04- SEWSEC4- MB 4-1-P	0	245.00	07/09/2004
P160828.0W	47	71	04	NESW	Complete	MON	CABALLO ROJO LLC	04- NESWSEC4- MB 4-2-P	0	280.00	07/09/2004
P160833.0W	47	71	04	SENE	Complete	MON	CABALLO ROJO LLC	04- SENESEC4- 3940	70	200.00	07/09/2004
P160834.0W	47	71	04	SENE	Complete	MON	CABALLO ROJO LLC	04- SENESEC4- 3941	65	200.00	07/09/2004
P29721.0W	47	71	04	NWSE	Complete	MON	CABALLO ROJO LLC	MOBIL 7513	90.5	212.00	04/21/1975
P60532.0W	47	71	04	NENW	Complete	MON	CABALLO ROJO LLC	CR 82 4 1A	76.35	97.00	05/04/1982
P60535.0W	47	71	04	SENW	Complete	MON	CABALLO ROJO LLC	CR 82 4 1C	154.1	230.00	05/04/1982
P60538.0W	47	71	04	SENE	Complete	MON	CABALLO ROJO LLC	CR 82 5 2A	15.43	22.00	05/04/1982
P60541.0W	47	71	04	SWNW	Complete	MON	CABALLO ROJO LLC	CR 82 4 2A	76.4	140.00	05/04/1982
P78101.0W	47	71	04	SESE	Complete	MON	CABALLO ROJO LLC	O 88 4 2	15	73.00	09/30/1988
P79080.0W	47	71	04	NWSW	Complete	MIS	COMDISCO EXPLORATION	ROYAL DRAW UNIT #1	5800	10500.00	02/13/1989
P113168.0W	47	71	05	NWSW	Complete	MON	ALPHA COAL WEST INC	PD 431335	170.04	267.00	11/25/1998
P116280.0W	47	71	05	NWSW	Complete	MON	ALPHA COAL WEST INC	C459	260.7	297.00	05/25/1999
P132433.0W	47	71	05	NESE	Complete	MON	CABALLO ROJO LLC	01-SE5-PDW	0	245.00	02/07/2001
P132434.0W	47	71	05	SENE	Complete	MON	CABALLO ROJO LLC	01-NE5-PDW	188	265.00	02/07/2001
P148846.0W	47	71	05	SWNE	Complete	MON	CABALLO ROJO LLC	03- SWNESEC5- PDW	232.5	250.00	01/21/2003
P148847.0W	47	71	05	NWSE	Complete	MON	CABALLO ROJO LLC	03- NWSESEC5- PDW	220	230.00	01/21/2003
P148848.0W	47	71	05	SWSE	Complete	MON	CABALLO ROJO LLC	03- SWSESEC5- PDW	238	240.00	01/21/2003
P148855.0W	47	71	05	SESE	Complete	MON	CABALLO ROJO LLC	03- SESESEC5- PDW	85	260.00	01/21/2003
P148860.0W	47	71	05	SWSE	Complete	MON	CABALLO ROJO LLC	03- SWSESEC5- MP2A	256	290.00	01/21/2003
P148861.0W	47	71	05	SWSE	Complete	MON	CABALLO ROJO LLC	03- SWSESEC5- MP2B	65	205.00	01/21/2003
P148862.0W	47	71	05	NWSE	Complete	MON	CABALLO ROJO LLC	03- NWSESEC5- MP3A	206	255.00	01/21/2003
P148863.0W	47	71	05	NWSE	Complete	MON	CABALLO ROJO LLC	03- NWSESEC5- MP3B	30	170.00	01/21/2003
P148864.0W	47	71	05	NESE	Complete	MON	CABALLO ROJO LLC	03- NESESEC5- MP4A	238	280.00	01/21/2003

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P148865.0W	47	71	05	NESE	Complete	MON	CABALLO ROJO LLC	03-NESESEC5-MP4B	105	200.00	01/21/2003
P149054.0W	47	71	05	SWSE	Complete	MIS	CABALLO ROJO LLC	03-SWSESEC5-DW	75	180.00	01/21/2003
P149055.0W	47	71	05	NWSE	Complete	MIS	CABALLO ROJO LLC	03-NWSESEC5-DW	30.8	200.00	01/21/2003
P149056.0W	47	71	05	SWNE	Complete	MIS	CABALLO ROJO LLC	03-SWNESEC5-DW	60	190.00	01/21/2003
P149057.0W	47	71	05	SENE	Complete	MIS	CABALLO ROJO LLC	03-SENESEC5-DW	259	282.00	01/21/2003
P160836.0W	47	71	05	NWNE	Complete	MON	CABALLO ROJO LLC	04-NWNESEC5-3938	190	210.00	07/09/2004
P29723.0W	47	71	05	SWNE	Complete	MON	CABALLO ROJO LLC	MOBIL 756	250	251.00	04/21/1975
P60531.0W	47	71	05	SWNE	Complete	MON	CABALLO ROJO LLC	CR 82 5 2C	108.4	242.00	05/04/1982
P60537.0W	47	71	05	SWNE	Complete	MON	CABALLO ROJO LLC	CR 82 5 20	29.7	160.00	05/04/1982
P108353.0W	47	71	06	SWNW	Complete	MON	ALPHA COAL WEST INC	C503	40.6	163.00	12/24/1997
P112208.0W	47	71	06	NENW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A4-DW58	168.4	289.00	10/07/1998
P112298.0W	47	71	06	NWNE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A4-DW31	140	287.00	10/07/1998
P112309.0W	47	71	06	NENW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A4-DW42	167.39	281.00	10/07/1998
P112311.0W	47	71	06	NENW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A4-DW44	171.35	284.00	10/07/1998
P113164.0W	47	71	06	SESW	Complete	MON	ALPHA COAL WEST INC	PD 418291	211.43	340.00	11/25/1998
P113165.0W	47	71	06	SWSE	Complete	MON	ALPHA COAL WEST INC	PD 418305	117.5	280.00	11/25/1998
P113166.0W	47	71	06	NESW	Complete	MON	ALPHA COAL WEST INC	PD 431291	169.25	256.00	11/25/1998
P113167.0W	47	71	06	NESE	Complete	MON	ALPHA COAL WEST INC	PD 431318	206.31	288.00	11/25/1998
P113176.0W	47	71	06	SESE	Complete	MON	ALPHA COAL WEST INC	PD 418318	209.54	280.00	11/25/1998
P113177.0W	47	71	06	SWSW	Complete	MON	ALPHA COAL WEST INC	PD 418331	197.66	218.00	11/25/1998
P117534.0W	47	71	06	NWNW	Complete	MON	Foundation Coal West, Inc.	A5-DW02	152.21	319.00	07/22/1999
P117548.0W	47	71	06	NWNW	Complete	MON	ALPHA COAL WEST INC	A5-DW16	228.42	315.00	07/22/1999
P119327.0W	47	71	06	NWSW	Complete	MON	ALPHA COAL WEST INC	444278-S	78.2	112.00	09/03/1999
P119328.0W	47	71	06	SWNW	Complete	MON	ALPHA COAL WEST INC	444278-CL	198.84	316.00	09/03/1999
P122032.0W	47	71	06	NWNW	Complete	MON	ALPHA COAL WEST INC	444278-S10	89.6	206.00	01/05/2000
P122040.0W	47	71	06	SWSW	Complete	MON	ALPHA COAL WEST INC	PD418278	98	361.00	01/05/2000

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P122042.0W	47	71	06	NWSW	Complete	MON	ALPHA COAL WEST INC	PD431278	206	331.00	01/05/2000
P130325.0W	47	71	06	SESW	Complete	CBM	RMG I, LLC	DUNLAP 6-24- 47-71-A	92	401.00	10/16/2000
P130326.0W	47	71	06	SWSE	Complete	CBM	RMG I, LLC	DUNLAP 6-34- 47-71-A	72	330.00	10/16/2000
P130327.0W	47	71	06	NESE	Complete	CBM	RMG I, LLC	DUNLAP 6-43- 47-71-A	87	326.00	10/16/2000
P130328.0W	47	71	06	SESE	Complete	CBM	RMG I, LLC	DUNLAP 6-44- 47-71-A	53	341.00	10/16/2000
P130437.0W	47	71	06	SWNW	Complete	CBM	RMG I, LLC	DUNLAP 6-12- 47-71-A	92	330.00	10/25/2000
P130438.0W	47	71	06	NWSE	Complete	CBM	RMG I, LLC	DUNLAP 6-33- 47-71-A	51	301.00	10/25/2000
P130691.0W	47	71	06	SESW	Complete	CBM	RMG I, LLC	RAG 6- 22 - 47 -71 - A	65	293.00	11/03/2000
P131775.0W	47	71	06	NWNE	Complete	CBM	RMG I, LLC	DUNLAP 6 - 31 - 47 - 71 - A	85	326.00	12/29/2000
P131776.0W	47	71	06	NESW	Complete	CBM	HI-PRO PRODUCTION LLC	DUNLAP 6 - 23 - 47 - 71 - A	90	321.00	12/29/2000
P131777.0W	47	71	06	NWSW	Complete	CBM	RMG I, LLC	DUNLAP 6 - 13 - 47 - 71 - A	88	333.00	12/29/2000
P131781.0W	47	71	06	NENW	Complete	CBM	RMG I, LLC	RAG 6-21-47- 71-A	83	324.00	12/29/2000
P133818.0W	47	71	06	SENE	Complete	CBM	RMG I, LLC	DUNLAP 6-42- 47-71-A	74	351.00	04/06/2001
P23440.OP	47	71	06	NESW	Complete	STK	ALPHA COAL WEST INC	DUNLAP #6	-1	80.00	07/26/1973
P63264.0W	47	71	06	SWSW	Complete	MON	ALPHA COAL WEST INC	C 401 Z	52.8	280.00	02/22/1983
P82852.0W	47	71	06	NESW	Complete	MON	CORDERO MINING LLC	MC-6-1-P	315	359.00	07/09/1990
P189547.0W	47	71	06	SESW	Complete	MIS	BELLE AYR MINE	417285OW, 422285OW AND 412287OW	1	420.00	02/04/2009
P189548.0W	47	71	06	SWSW	Complete	MIS	BELLE AYR MINE	419281OW AND 423277OW	107	360.00	02/04/2009
P195346.0W	47	71	06	SWSW	Complete	MIS	BELLE AYR MINE	BA2011Q1-37 THRU BA2011Q1-41	0	220.00	04/04/2011
P130331.0W	47	71	07	NENW	Complete	CBM	RMG I, LLC	DUNLAP 7-21- 47-71-A	90	416.00	10/16/2000
P130458.0W	47	71	07	NENE	Complete	CBM	RMG I, LLC	DUNLAP 7-41- 47-71-A	60	344.00	10/25/2000
P130459.0W	47	71	07	NWNE	Complete	CBM	RMG I, LLC	DUNLAP 7-31- 47-71-A	76	390.00	10/25/2000
P134269.0W	47	71	07	NWSW	Complete	CBM	RMG I, LLC	DUNLAP 7-13- 47-71-A	42	368.00	04/19/2001
P23441.OP	47	71	07	SWSW	Complete	STK	CONTURA COAL WEST LLC	DUNLAP #7 (DEEPENED)	70	140.00	07/26/1973
P194407.0W	47	71	07	NWNW	Complete	MIS	BELLE AYR MINE	BA2010Q4-6, BA2010Q4-7, BA2010A4-8, BA2010Q4-9	172	320.00	11/15/2010
P132435.0W	47	71	08	NESE	Complete	MON	CABALLO ROJO LLC	01-SE8-PDW	0	285.00	02/07/2001
P132436.0W	47	71	08	SENE	Complete	MON	CABALLO ROJO LLC	01-NE8-PDW	0	311.00	02/07/2001
P148849.0W	47	71	08	NWNE	Complete	MON	CABALLO ROJO LLC	03- NWNESEC8- PDW	255	260.00	01/21/2003

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P148850.0W	47	71	08	SWNE	Complete	MON	CABALLO ROJO LLC	03-SWNESEC8-PDW	45	250.00	01/21/2003
P148851.0W	47	71	08	NWSE	Complete	MON	CABALLO ROJO LLC	03-NWSESEC8-PDW	260	300.00	01/21/2003
P148852.0W	47	71	08	SWSE	Complete	MON	CABALLO ROJO LLC	03-SWSESEC8-PDW	250	340.00	01/21/2003
P148853.0W	47	71	08	NESE	Complete	MON	CABALLO ROJO LLC	03-NESESEC8-PDW	255	270.00	01/21/2003
P148854.0W	47	71	08	SENE	Complete	MON	CABALLO ROJO LLC	03-SENESEC8-PDW	275	280.00	01/21/2003
P148856.0W	47	71	08	SWNE	Complete	MON	CABALLO ROJO LLC	03-SWNESEC8-VWPM1	36	290.00	01/21/2003
P148858.0W	47	71	08	SWNE	Complete	MON	CABALLO ROJO LLC	03-SWNESEC8-MP1A	254	285.00	01/21/2003
P148859.0W	47	71	08	SWNE	Complete	MON	CABALLO ROJO LLC	03-SWNESEC8-MP1B	36	205.00	01/21/2003
P148866.0W	47	71	08	NENE	Complete	MON	CABALLO ROJO LLC	03-NENESEC8-MP5A	294	315.00	01/21/2003
P148867.0W	47	71	08	NENE	Complete	MON	CABALLO ROJO LLC	03-NENESEC8-MP5B	86	225.00	01/21/2003
P148868.0W	47	71	08	NESE	Complete	MON	CABALLO ROJO LLC	03-NESESEC8-MP6A	252	290.00	01/21/2003
P148869.0W	47	71	08	NESE	Complete	MON	CABALLO ROJO LLC	03-NESESEC8-MP6B	6	215.00	01/21/2003
P149048.0W	47	71	08	NESE	Complete	MIS	CABALLO ROJO LLC	03-NESESEC8-DW	17	70.00	01/21/2003
P149049.0W	47	71	08	NWNE	Complete	MIS	CABALLO ROJO LLC	03-NWNESEC8-DW	105	220.00	01/21/2003
P149051.0W	47	71	08	SWNE	Complete	MIS	CABALLO ROJO LLC	03-SWNESEC8-DW	55	230.00	01/21/2003
P149052.0W	47	71	08	NWSE	Complete	MIS	CABALLO ROJO LLC	03-NWSESEC8-DW	8	210.00	01/21/2003
P149053.0W	47	71	08	SWSE	Complete	MIS	CABALLO ROJO LLC	03-SWSESEC8-DW	55	290.00	01/21/2003
P160815.0W	47	71	08	SWSE	Complete	MON	CABALLO ROJO LLC	04-SWSESEC8-MP7A	295	330.00	07/09/2004
P160816.0W	47	71	08	SWSE	Complete	MON	CABALLO ROJO LLC	04-SWSESEC8-MP7B	25	250.00	07/09/2004
P30378.0W	47	71	08	NESE	Complete	MON	CABALLO ROJO LLC	MOBIL 7534	144.4	356.00	07/07/1975
P60549.0W	47	71	08	NWNE	Complete	MON	CABALLO ROJO LLC	CR 82 8 1C	170.4	300.00	05/04/1982
P63265.0W	47	71	08	NENW	Complete	MON	ALPHA COAL WEST INC	C 411Y	24.5	154.00	02/22/1983

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P84217.0W	47	71	08	SENE	Complete	CBM; MIS	DCD, INC.	CLABAUGH #8-8	-7	283.00	12/28/1990
P84218.0W	47	71	08	SESE	Complete	CBM; MIS	DCD, INC.	CLABAUGH #16-8	-7	285.00	12/28/1990
P201447.0W	47	71	08	SESW	Complete	MIS	CORDERO MINING LLC	SUMP 6 NORTH PIT	4	13.00	01/06/2014
P201448.0W	47	71	08	SESW	Complete	MIS	CORDERO MINING LLC	SUMP 7 NORTH PIT	5	15.00	01/06/2014
P109382.0W	47	71	09	SWSE	Complete	MON	CABALLO ROJO LLC	97-09-73MW	70	120.00	03/30/1998
P111603.0W	47	71	09	SWNE	Complete	MON	CABALLO ROJO LLC	98-09-74 MW	79.85	107.00	08/24/1998
P141739.0W	47	71	09	SESW	Complete	MON	CABALLO ROJO LLC	02-SESW9-PDW	0	200.00	12/31/2001
P160822.0W	47	71	09	SESE	Complete	MON	CABALLO ROJO LLC	04-SESESEC9-DLMP3A	251.3	255.00	07/09/2004
P160823.0W	47	71	09	SESE	Complete	MON	CABALLO ROJO LLC	04-SESESEC9-DLMP3B	0	190.00	07/09/2004
P160829.0W	47	71	09	SESW	Complete	MON	CABALLO ROJO LLC	04-SESWSEC4-MB-9-1-P	0	220.00	07/09/2004
P176028.0W	47	71	09	NENW	Complete	MON	CORDERO MINING LLC	MS-9-1	12	170.00	07/10/2006
P176034.0W	47	71	09	NENW	Complete	MON	CORDERO MINING LLC	MA-9-14	11	16.00	07/10/2006
P29720.0W	47	71	09	SESW	Complete	MON	CABALLO ROJO LLC	MOBIL 7529	-1	-1.00	04/21/1975
P84215.0W	47	71	09	SESW	Complete	CBM; MIS	DCD, INC.	LINNY #6-9	-7	242.00	12/28/1990
P84219.0W	47	71	09	SESW	Complete	CBM; MIS	DCD, INC.	CLABAUGH #14-9	-7	272.00	12/28/1990
P136302.0W	47	71	10	NWNW	Complete	MON	CORDERO MINING LLC	01-NW10-PDW	174	175.00	07/06/2001
P141749.0W	47	71	10	SESW	Complete	MON	CABALLO ROJO LLC	02-SESW10-PDW	162	200.00	12/31/2001
P141750.0W	47	71	10	SWSE	Complete	MON	CABALLO ROJO LLC	02-SWSE10-PDW	0	200.00	12/31/2001
P141751.0W	47	71	10	SESE	Complete	MON	CABALLO ROJO LLC	02-SESE10-PDW	0	200.00	12/31/2001
P160830.0W	47	71	10	NWNE	Complete	MON	CABALLO ROJO LLC	04-NWNESEC10-S34-A	0	120.00	07/09/2004
P160831.0W	47	71	10	NWNE	Complete	MON	CABALLO ROJO LLC	04-NWNESEC10-S34-B	180	230.00	07/09/2004
P78104.0W	47	71	10	NWNW	Complete	MON	CABALLO ROJO LLC	O 88 10 4	75	104.00	09/30/1988
P84220.0W	47	71	10	SWSW	Complete	CBM; MIS	DCD, INC.	CLABAUGH #13-10	-7	233.00	12/28/1990
P84221.0W	47	71	10	SWSE	Complete	CBM; MIS	DCD, INC.	CLABAUGH #15-10	-7	220.00	12/28/1990
P30607.0W	47	71	11	NESE	Complete	MON	CABALLO ROJO LLC	MOBIL 7535	147.6	294.00	08/06/1975
P48422.0W	47	71	11	NENW	Fully Adjudicated	CBM	CABALLO ROJO, INC.	MOBIL ROJO #1	321	2010.00	05/25/1979
P49858.0W	47	71	11	NWSW	Complete	MON	CABALLO ROJO LLC	MOBIL 079 4	121.3	125.00	08/14/1979
P54681.0W	47	71	11	SESE	Complete	MON	CABALLO ROJO LLC	ROJO C 80 11 2	248	285.00	11/24/1980
P54682.0W	47	71	11	SESW	Complete	MON	CABALLO ROJO LLC	ROJO 0 80 11 1	0	84.00	11/24/1980

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P54683.0W	47	71	11	SESW	Complete	MON	CABALLO ROJO LLC	ROJO C 80 11 1ROJO C 80 11 1	190	210.50	11/24/1980
P57136.0W	47	71	11	NENW	Fully Adjudicated	IND GW; MIS	CABALLO ROJO, INC.	ENL MOBIL ROJO #1	321	2010.00	04/23/1981
P60546.0W	47	71	11	NENE	Complete	MON	CABALLO ROJO LLC	CR 82 11 30	46.85	65.00	05/04/1982
P60547.0W	47	71	11	NENE	Complete	MON	CABALLO ROJO LLC	CR 82 11 3C	99.5	140.00	05/04/1982
P60548.0W	47	71	11	NENE	Complete	MON	CABALLO ROJO LLC	CR 82 8 10	36.02	100.00	05/04/1982
P60551.0W	47	71	11	NENW	Complete	MON	CABALLO ROJO LLC	CR 82 11 1K	116	118.00	05/04/1982
CR UW04/452	47	71	11	NENW		IND GW; MIS	WYO BOARD LAND COMMISSIONERS	MOBIL ROJO #1			05/25/1979
CR UW04/454	47	71	11	NENW		IND GW; MIS	WYO BOARD LAND COMMISSIONERS	ENL MOBIL ROJO #1			04/23/1981
P26800.0W	47	71	12	SESW	Complete	MON	CORDERO MINING LLC	#7	0	220.00	04/16/1974
P54684.0W	47	71	12	SWNW	Complete	MON	CABALLO ROJO LLC	ROJO C 80 12 1	170	203.00	11/24/1980
P54685.0W	47	71	12	SWNW	Complete	MON	CABALLO ROJO LLC	ROJO 0 80 12 1	0	84.00	11/24/1980
P54686.0W	47	71	12	SESW	Complete	MON	CABALLO ROJO LLC	ROJO C 80 12 2	218	240.00	11/24/1980
P54687.0W	47	71	12	SESW	Complete	MON	CABALLO ROJO LLC	ROJO C 80 12 2	0	79.00	11/24/1980
P54689.0W	47	71	12	NWSW	Complete	MON	CABALLO ROJO LLC	ROJO 0 80 12 3	102	110.00	11/24/1980
P60542.0W	47	71	12	NWNW	Complete	MON	CABALLO ROJO LLC	CR 82 12 2C	143.69	155.00	05/04/1982
P60545.0W	47	71	12	NWNW	Complete	MON	CABALLO ROJO LLC	CR 82 12 4KK	72.45	82.00	05/04/1982
P139565.0W	47	71	13	SWSE	Complete	IND GW	FLYING J OIL & GAS INC	FEDERAL 34-13	550	4096.00	10/02/2001
P22622.OP	47	71	13	SESE	Complete	STK	FLORA M. RAITT	RAITT #2	-1	190.00	03/01/1973
P68255.0W	47	71	13	SENE	Complete	MON	CORDERO MINING LLC	MBR-13-2-P	87.7	95.00	08/23/1984
P95854.0W	47	71	13	NWSW	Complete	MON	CORDERO MINING LLC	MB-13-1-P	0	160.00	06/21/1994
P22621.OP	47	71	14	NENE	Complete	STK	FLORA M. RAITT	RAITT #1	-1	170.00	03/01/1973
P26095.0W	47	71	14	SWNE	Complete	MON	CORDERO MINING LLC	SUN OIL #2	224.4	240.00	03/13/1974
P38391.0W	47	71	14	NWNW	Complete	MON	CORDERO MINING LLC	CO-3	220.7	240.00	06/15/1977
P59983.0W	47	71	14	NENW	Complete	MON	CORDERO MINING LLC	MS 14-1-O	0	70.00	03/24/1982
P132439.0W	47	71	15	SESW	Complete	MON	CORDERO MINING LLC	01-NW915-PDW-1	158	226.00	02/07/2001
P132440.0W	47	71	15	SESW	Complete	MON	CORDERO MINING LLC	01-SW15-PDW-2	189	230.00	02/07/2001
P141741.0W	47	71	15	SWNW	Complete	MON	CORDERO MINING LLC	02-SWNW15-PDW	158	200.00	12/31/2001
P141742.0W	47	71	15	SENE	Complete	MON	CORDERO MINING LLC	02-SENE15-PDW	0	200.00	12/31/2001
P141744.0W	47	71	15	NENE	Complete	MON	CORDERO MINING LLC	02-NENE15-PDW	204	235.00	12/31/2001
P141745.0W	47	71	15	NWNE	Complete	MON	CORDERO MINING LLC	02-NWNE15-PDW	162	200.00	12/31/2001
P141746.0W	47	71	15	NENW	Complete	MON	CORDERO MINING LLC	02-NWNE15-PDW	0	200.00	12/31/2001

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P141747.0W	47	71	15	NWNW	Complete	MON	CORDERO MINING LLC	02-NWNW15-PDW	0	200.00	12/31/2001
P145686.0W	47	71	15	SWNW	Complete	MIS	CORDERO MINING LLC	02SWNWSEC15DW	124	270.00	06/10/2002
P149647.0W	47	71	15	SWSW	Complete	MON	CORDERO MINING LLC	03-SWSWSEC15-PDW	216	230.00	02/28/2003
P26097.0W	47	71	15	NWNW	Complete	MON	CORDERO MINING LLC	SUN OIL #4	139.9	268.00	03/13/1974
P27108.0W	47	71	15	NWNW	Complete	MIS	Sun Oil Co.	#4A	170	195.00	06/12/1974
P28845.0W	47	71	15	NWNW	Complete	MON	CORDERO MINING LLC	4 B	141	182.00	08/27/1974
P59984.0W	47	71	15	NWNW	Complete	MON	CORDERO MINING LLC	MS 15-4-O	0	63.00	03/24/1982
P59985.0W	47	71	15	SEW	Complete	MON	CORDERO MINING LLC	MS 15-5-P	112.68	196.00	03/24/1982
P59986.0W	47	71	15	SEW	Complete	MON	CORDERO MINING LLC	MC-15-6-P	192.6	274.00	03/24/1982
P59987.0W	47	71	15	NESE	Complete	MON	CORDERO MINING LLC	MS 15-7-O	0	25.00	03/24/1982
P59988.0W	47	71	15	SWSW	Complete	MON	CORDERO MINING LLC	MS 15-8-P	87.01	161.00	03/24/1982
P59989.0W	47	71	15	SWSW	Complete	MON	CORDERO MINING LLC	MS 15-9-O	0	19.00	03/24/1982
P59990.0W	47	71	15	SESW	Complete	MON	CORDERO MINING LLC	MS 15-10-O	0	42.00	03/24/1982
P63501.0W	47	71	15	SWSW	Complete	STK	CORDERO MINING LLC	DEMAGET WELL	135	183.00	03/22/1983
P149619.0W	47	71	16	NWNW	Complete	MON	CABALLO ROJO LLC	03-NWNWSEC16-PDW	350.9	350.90	02/28/2003
P149620.0W	47	71	16	NENW	Complete	MON	CABALLO ROJO LLC	03-NENWSEC16-PDW	0	320.00	02/28/2003
P149621.0W	47	71	16	NWNE	Complete	MON	CABALLO ROJO LLC	03-NWNESEC16-PDW	0	220.00	02/28/2003
P149622.0W	47	71	16	NENE	Complete	MON	CABALLO ROJO LLC	03-NENESEC16-PDW	242.8	255.00	02/28/2003
P149623.0W	47	71	16	SENE	Complete	MON	CABALLO ROJO LLC	03-SENESEC16-PDW	242.8	260.00	02/28/2003
P149624.0W	47	71	16	SWNE	Complete	MON	CABALLO ROJO LLC	03-SWNESEC16-PDW	222.6	270.00	02/28/2003
P149625.0W	47	71	16	SEW	Complete	MON	CABALLO ROJO LLC	03-SEWSEC16-PDW	0	350.00	02/28/2003
P149628.0W	47	71	16	NESW	Complete	MON	CABALLO ROJO LLC	03-NESWSEC16-PDW	311.8	320.00	02/28/2003
P149629.0W	47	71	16	NWSE	Complete	MON	CABALLO ROJO LLC	03-NWSESEC16-PDW	217	290.00	02/28/2003
P149630.0W	47	71	16	NESE	Complete	MON	CABALLO ROJO LLC	03-NESESEC16-PDW	217	290.00	02/28/2003
P149631.0W	47	71	16	SESE	Complete	MON	CABALLO ROJO LLC	03-SESESEC16-PDW	250	275.00	02/28/2003

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P149650.0W	47	71	16	NESE	Complete	MIS	CABALLO ROJO LLC	03-NESESEC16-DW	152	210.00	02/28/2003
P149651.0W	47	71	16	SENE	Complete	MIS	CABALLO ROJO LLC	03-SENESEC16-DW	135	190.00	02/28/2003
P149652.0W	47	71	16	NENE	Complete	MIS	CABALLO ROJO LLC	03-NENESEC16-DW	196.5	250.00	02/28/2003
P160817.0W	47	71	16	SENE	Complete	MON	CABALLO ROJO LLC	04-SENESEC16-MP5B	147.3	230.00	07/09/2004
P160818.0W	47	71	16	NWNW	Complete	MON	CABALLO ROJO LLC	04-NWNWSEC16-MP1A	351.5	375.00	07/09/2004
P160819.0W	47	71	16	NWNW	Complete	MON	CABALLO ROJO LLC	04-NWNWSEC16-MP1B	202.8	300.00	07/09/2004
P160820.0W	47	71	16	NWNE	Complete	MON	CABALLO ROJO LLC	04-NWNESEC16-MP2A	232.5	255.00	07/09/2004
P160821.0W	47	71	16	NWNE	Complete	MON	CABALLO ROJO LLC	04-NWNESEC16-MP2B	92.6	180.00	07/09/2004
P160824.0W	47	71	16	SWSE	Complete	MON	CABALLO ROJO LLC	04-SWSESEC16-MP4A	313.2	330.00	07/09/2004
P160825.0W	47	71	16	SWSE	Complete	MON	CABALLO ROJO LLC	04-SWSESEC16-MP4B	178.2	265.00	07/09/2004
P160826.0W	47	71	16	SENE	Complete	MON	CABALLO ROJO LLC	04-SENESEC16-MP5A	242.8	295.00	07/09/2004
P33640.0W	47	71	16	NENE	Complete	MON	Atlantic Richfield Co.	ECH - 2	209	274.00	06/02/1976
P60567.0W	47	71	16	NESW	Complete	MON	Caballo Rojo, Inc.	CR 82 16 20	29.37	50.00	05/04/1982
P60568.0W	47	71	16	SENE	Complete	MON	Caballo Rojo, Inc.	CR 82 16 1C	186	280.00	05/04/1982
P60569.0W	47	71	16	SWNE	Complete	MON	Caballo Rojo, Inc.	CR 82 16 10	128.85	190.00	05/04/1982
P60570.0W	47	71	16	NWSW	Complete	MON	MOBILE MINING & MINERALS COMPANY	CR 82 16 2CC	252.69	361.00	05/04/1982
P7290.0P	47	71	16	SENW	Complete	STK	BETTY MAE HETTINGER	SCHNEIDER #3	100	300.00	12/31/1946
P7291.0P	47	71	16	SWSW	Complete	STK	FRANK P. SCHNEIDER TRUST B	SCHNEIDER #4	60	130.00	12/31/1942
P84216.0W	47	71	16	SWSW	Complete	CBM, MIS	DCD, INC.	STATE #13-16	-7	340.00	12/28/1990
P90939.0W	47	71	16	SWNE	Complete	CBM, MIS	DCD, INC.	STATE #7-16	0	268.00	02/08/1993
P90940.0W	47	71	16	NESE	Complete	CBM, MIS	DCD, INC.	STATE #9-16	0	319.00	02/08/1993
P90941.0W	47	71	16	NESW	Complete	CBM, MIS	DCD, INC.	STATE #11-16	0	344.00	02/08/1993
P90942.0W	47	71	16	NWSW	Complete	CBM, MIS	DCD, INC.	STATE #12-16	0	368.00	02/08/1993
P90943.0W	47	71	16	SESW	Complete	CBM, MIS	DCD, INC.	STATE #14-16	0	300.00	02/08/1993
P90944.0W	47	71	16	SESE	Complete	CBM, MIS	DCD, INC.	STATE #16-16	0	280.00	02/08/1993
P18700.0P	47	71	17	SESE	Complete	STK	GLENN HAYDEN	LAKE #6	-1	220.00	12/31/1940
P18701.0P	47	71	17	NESW	Complete	STK	GLENN HAYDEN	ROYAL #7	-1	140.00	12/31/1938
P116720.0W	47	71	18	SESW	Complete	CBM	JN Exploration/Production Ltd.	JN DUVALL 18N WELL	272	358.00	06/28/1999
P133820.0W	47	71	18	NWNW	Complete	CBM	RMG I, LLC	DUNLAP 18-11-47-71-A	51	371.00	04/06/2001
P133821.0W	47	71	18	SWNW	Complete	CBM	RMG I, LLC	DUNLAP 18-12-47-71-A	46	373.00	04/06/2001

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P133822.0W	47	71	18	NENW	Complete	CBM	RMG I, LLC	DUNLAP 18-21-47-71-A	26	375.00	04/06/2001
P133823.0W	47	71	18	SEW	Complete	CBM	RMG I, LLC	DUNLAP 18-22-47-71-A	39	381.00	04/06/2001
P136845.0W	47	71	18	SEW	Complete	CBM	RMG I, LLC	DUNLAP 18-22-B	289	1230.00	07/03/2001
P106903.0W	47	71	19	SESW	Complete	CBM	Lance Oil & Gas Co.	FEDERAL #719-24	297	377.00	07/24/1997
P106905.0W	47	71	19	SWSE	Complete	CBM	Lance Oil & Gas Co.	FEDERAL #719-34	288	367.00	07/24/1997
P106906.0W	47	71	19	SENE	Complete	CBM	Lance Oil & Gas Co.	FEDERAL #719-42	304	412.00	07/24/1997
P106907.0W	47	71	19	SESE	Complete	CBM	Lance Oil & Gas Co.	FEDERAL #719-44	289	382.00	07/24/1997
P116722.0W	47	71	19	NENW	Complete	CBM	CNX GAS COMPANY LLC	JN DUVALL 19C WELL	293	373.00	06/28/1999
P116725.0W	47	71	19	SEW	Complete	CBM	CNX GAS COMPANY LLC	JN MANKIN 19F WELL	286	363.00	06/28/1999
P22588.0P	47	71	19	NWNE	Complete	STK	KENNETH R. DUVALL	KEN DUVALL #2	25	30.00	02/07/1973
P22589.0P	47	71	19	SWNE	Complete	STK	KENNETH R. DUVALL	KEN DUVALL #3	25	84.00	02/07/1973
P82851.0W	47	71	19	SWSW	Complete	MON	CORDERO MINING LLC	MC-19-2-P	338	392.00	07/09/1990
P99095.0W	47	71	19	SESW	Complete	CBM; STK	MARTENS & PECK OPERATING CO.	FEDERAL #719-24			04/28/1995
P112495.0W	47	71	20	NWNE	Complete	CBM	CORDERO OIL & GAS LLC	MU #31-20	239	357.00	11/03/1998
P22590.0P	47	71	20	SWNW	Complete	STK	KENNETH R. DUVALL	KEN DUVALL #4	170	208.00	02/07/1973
P35842.0W	47	71	20	NENE	Complete	STK	CABALLO ROJO LLC	HAYDEN RANCH #1	770	906.00	10/25/1976
P55070.0W	47	71	20	NENW	Complete	IND GW	CORDERO OIL & GAS LLC	DUVALL 1 20	800	4650.00	10/08/1980
P72898.0W	47	71	20	SWNW	Complete	STK	KENNETH R. DURALL	KEN DUVALL V	200	895.00	07/16/1986
P104460.0W	47	71	21	SWNE	Complete	CBM	PURE PETROLEUM,LLC	USA 7-21	-7	357.00	11/04/1996
P104461.0W	47	71	21	NWNW	Complete	CBM	PURE PETROLEUM,LLC	USA 4-21	-7	348.00	11/04/1996
P201442.0W	47	71	21	NWNW	Complete	MIS	CORDERO MINING LLC	SUMP 1 NORTH PIT	5	15.00	01/06/2014
P103351.0W	47	71	22	NESW	Complete	MON	CORDERO MINING LLC	AR-01	5.37	10.30	08/15/1996
P103352.0W	47	71	22	NESW	Complete	MON	CORDERO MINING LLC	AR-02	6.89	10.52	08/15/1996
P103353.0W	47	71	22	NESW	Complete	MON	CORDERO MINING LLC	AR-03	9.42	12.00	08/15/1996
P103354.0W	47	71	22	NESW	Complete	MON	CORDERO MINING LLC	AR-04	6.2	10.10	08/15/1996
P132441.0W	47	71	22	NENW	Complete	MON	CORDERO MINING LLC	01-NW22-PDW			02/07/2001
P149648.0W	47	71	22	NWNW	Complete	MON	CORDERO MINING LLC	03-NWNWSEC22 PDW	193	230.00	02/28/2003
P149649.0W	47	71	22	SWNW	Complete	MON	CORDERO MINING LLC	03-SWNWSEC22 PDW	20	240.00	02/28/2003
P161544.0W	47	71	22	SEW	Complete	MON	CORDERO MINING LLC	04SEWSEC22 PDW	160	200.00	07/22/2004
P26094.0W	47	71	22	NWNW	Complete	MON	CORDERO MINING LLC	SUN OIL #1	144.9	2980.00	03/13/1974

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P38398.0W	47	71	22	NESE	Complete	MON	CORDERO MINING LLC	LS-2	61.5	80.00	06/15/1977
P59992.0W	47	71	22	NWSW	Complete	MON	CORDERO MINING LLC	MC-22-2-P	164.5	280.00	03/24/1982
P59993.0W	47	71	22	SENE	Complete	MON	CORDERO MINING LLC	MS 22-3-O	9.76	50.00	03/24/1982
P59994.0W	47	71	22	NENE	Complete	MON	CORDERO MINING LLC	MS 22-5-O	166.13	290.00	03/24/1982
P59996.0W	47	71	22	SWSW	Complete	MON	CORDERO MINING LLC	MS 22-7-O	126.67	252.00	03/24/1982
P71366.0W	47	71	22	SWSW	Fully Adjudicated	MIS	CORDERO MINING LLC	ENL COWBOY BAR	125	600.00	10/17/1985
P92716.0W	47	71	22	SENE	Complete	MON	CORDERO MINING LLC	PZ-1	49	134.70	08/17/1993
P99610.0W	47	71	22	NWNE	Complete	MON	CORDERO MINING LLC	MS22-8-0	79.6	160.00	06/29/1995
P201446.0W	47	71	22	SWNW	Complete	MIS	CORDERO MINING LLC	SUMP 5 MIDDLE PIT	5	16.00	01/06/2014
P62292.0W	47	71	23	NESE	Complete	MON	CORDERO MINING LLC	MS-23-1-0	135	1840.00	09/24/1982
P64531.0W	47	71	23	SWSW	Complete	MON	CORDERO MINING LLC	MB-23-1-P	0	90.00	06/23/1983
P67365.0W	47	71	23	SESE	Complete	MIS	CORDERO MINING LLC	PW 23-1	330	4130.00	05/02/1984
P68257.0W	47	71	23	SESE	Complete	MON	CORDERO MINING LLC	MBR-23-1-P (DEWATERING WELL #1)	57	89.00	08/23/1984
P70809.0W	47	71	23	NWNE	Complete	MON	CORDERO MINING LLC	MB 23 2 P	0	175.00	08/09/1985
P15840.0P	47	71	24	NESE	Complete	DOM GW	ANGELA A. BOOS TRUST	#6 BOOS	85	175.00	04/28/1961
P28216.0W	47	71	24	SWSW	Fully Adjudicated	MIS	CORDERO MINING LLC	SUN OIL COMPANY #1	60	1200.00	08/08/1974
P30478.0W	47	71	24	SESW	Fully Adjudicated	IND GW	CORDERO MINING LLC	BELLE FOURCHE #1 A	116	988.00	07/22/1975
P38393.0W	47	71	24	NENW	Complete	MON	CORDERO MINING LLC	CO-1	167.2	210.00	06/15/1977
P42322.0W	47	71	24	NWSE	Complete	STK	WAYNE HAIGHT	HAIGHT & CO #1	30	180.00	03/09/1978
P59997.0W	47	71	24	NENE	Complete	MON	CORDERO MINING LLC	MS 24-4-P	125.29	180.00	03/24/1982
P59998.0W	47	71	24	NESE	Complete	MON	CORDERO MINING LLC	MS 24-5-O	0	118.00	03/24/1982
P84092.0W	47	71	24	SWSW	Complete	MON	CORDERO MINING LLC	MD-24-1-P	0	52.00	12/03/1990
P84093.0W	47	71	24	SWSW	Complete	MON	CORDERO MINING LLC	MD-24-2-P	0	60.00	12/03/1990
P84094.0W	47	71	24	SWSW	Complete	MON	CORDERO MINING LLC	MD-24-3-P	0	15.00	12/03/1990
CR UW04/188	47	71	24	SWSW		MIS	SUNOCO ENERGY DEVELOPMENT CO	SUN OIL COMPANY #1			08/08/1974
CR UW04/190	47	71	24	SESW		MIS	SUNOCO ENERGY DEVELOPMENT CO	BELLE FOURCHE #1 A			07/22/1975
P144272.0W	47	71	27	NWNE	Complete	MON	CORDERO MINING LLC	02NWNE27PD W	220	225.00	04/24/2002
P144273.0W	47	71	27	NENE	Complete	MON	CORDERO MINING LLC	02NENE27PD W	190	220.00	04/24/2002
P144274.0W	47	71	27	SWNE	Complete	MON	CORDERO MINING LLC	02SWNE27PD W	0	225.00	04/24/2002

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P144275.0W	47	71	27	SENE	Complete	MON	CORDERO MINING LLC	02SENE27PD W	0	215.00	04/24/2002
P144276.0W	47	71	27	NWSE	Complete	MON	CORDERO MINING LLC	02NWSE27PD W	0	220.00	04/24/2002
P144277.0W	47	71	27	NESE	Complete	MON	CORDERO MINING LLC	02NESE27PD W	0	200.00	04/24/2002
P144278.0W	47	71	27	SWSE	Complete	MON	CORDERO MINING LLC	02SWSE27PD W	184	215.00	04/24/2002
P144279.0W	47	71	27	SESE	Complete	MON	CORDERO MINING LLC	02SESE27PD W	53	225.00	04/24/2002
P148876.0W	47	71	27	SWNE	Complete	MON	CORDERO MINING LLC	03SWNESEC2 73410A	229	235.00	01/21/2003
P148877.0W	47	71	27	SWNE	Complete	MON	CORDERO MINING LLC	03SWNESEC2 73410B	105	170.00	01/21/2003
P148878.0W	47	71	27	SWNE	Complete	MON	CORDERO MINING LLC	03SWNESEC2 73411A	254	260.00	01/21/2003
P148879.0W	47	71	27	SWNE	Complete	MON	CORDERO MINING LLC	03SWNESEC2 73411B	76	200.00	01/21/2003
P148880.0W	47	71	27	SWSE	Complete	MON	CORDERO MINING LLC	03SWNESEC2 73412A	237	260.00	01/21/2003
P148881.0W	47	71	27	SWSE	Complete	MON	CORDERO MINING LLC	03SWNESEC2 73412B	45	190.00	01/21/2003
P149058.0W	47	71	27	SWSE	Complete	MIS	CORDERO MINING LLC	03SWSESEC2 7DW	30	160.00	01/21/2003
P149059.0W	47	71	27	SESE	Complete	MIS	CORDERO MINING LLC	03SESESEC2 7DW	39	150.00	01/21/2003
P149060.0W	47	71	27	SESW	Complete	MIS	CORDERO MINING LLC	03SESWSEC2 7DW	76	190.00	01/21/2003
P149061.0W	47	71	27	NESW	Complete	MIS	CORDERO MINING LLC	03NESWSEC2 7DW	15	190.00	01/21/2003
P160837.0W	47	71	27	SESW	Complete	MON	CORDERO MINING LLC	04SESWSEC2 4MPMP1A	271.8	300.00	07/09/2004
P160838.0W	47	71	27	SESW	Complete	MON	CORDERO MINING LLC	04SESWSEC2 7MPMP1B	73	230.00	07/09/2004
P160839.0W	47	71	27	NESW	Complete	MON	CORDERO MINING LLC	04NESWSEC2 7MPMP2A	267.5	310.00	07/09/2004
P160840.0W	47	71	27	NESW	Complete	MON	CORDERO MINING LLC	04NESWSEC2 7MPMP2B	64.6	240.00	07/09/2004
P160841.0W	47	71	27	SESW	Complete	MON	CORDERO MINING LLC	04SESWSEC2 7MPMP3A	221.1	280.00	07/09/2004
P160842.0W	47	71	27	SESW	Complete	MON	CORDERO MINING LLC	04SESWSEC2 7MPMP3B	89.3	200.00	07/09/2004
P161541.0W	47	71	27	NENW	Complete	MON	CORDERO MINING LLC	04NENWSEC2 7PDW	232	250.00	07/22/2004
P161543.0W	47	71	27	NESW	Complete	MON	CORDERO MINING LLC	04NESWSEC2 7PDW	230	270.00	07/22/2004
P161545.0W	47	71	27	SESW	Complete	MON	CORDERO MINING LLC	04SESWSEC2 7PDW	265	270.00	07/22/2004
P26096.0W	47	71	27	NWSE	Complete	MON	CORDERO MINING LLC	SUN OIL #3	167.7	255.00	03/13/1974
P60012.0W	47	71	27	NWNW	Complete	MON	CORDERO MINING LLC	MS 27-1-O	28.58	105.00	03/24/1982
P60013.0W	47	71	27	NWNE	Complete	MON	CORDERO MINING LLC	MS 27-2-O	0	130.00	03/24/1982
P60014.0W	47	71	27	SWNE	Complete	MON	CORDERO MINING LLC	MS 27-3-P	164.42	340.00	03/24/1982
P60015.0W	47	71	27	SWNE	Complete	MON	CORDERO MINING LLC	MC-27-4-P	167	265.00	03/24/1982
P60016.0W	47	71	27	SWSW	Complete	MON	CORDERO MINING LLC	MS 27-11-O	112.48	197.00	03/24/1982
P60017.0W	47	71	27	SWSW	Complete	MON	CORDERO MINING LLC	MC-27-12-P	185	375.00	03/24/1982

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P201449.0W	47	71	27	NWNW	Complete	MIS	CORDERO MINING LLC	SUMP 8 MIDDLE PIT	5	16.00	01/06/2014
P18695.0P	47	71	28	NESE	Complete	DOM GW, STK	CABALLO ROJO LLC	HOME #1	-1	140.00	12/31/1925
P106612.0W	47	71	29	SWSW	Complete	CBM	Lance Oil & Gas Co.	LH #14-29	298	368.00	07/01/1997
P107179.0W	47	71	29	SWNW	Complete	CBM	Lance Oil & Gas Co.	GARRETT #29-12	333	449.00	08/18/1997
P107180.0W	47	71	29	SENW	Complete	CBM	Lance Oil & Gas Co.	GARRETT #29-22	338	459.00	08/18/1997
P176032.0W	47	71	29	NENW	Complete	MON	CORDERO MINING LLC	MS-29-1	122	253.00	07/10/2006
P18717.0P	47	71	29	SENW	Complete	STK	MACSY HAIGHT	STRAATSMA #1	60	135.00	06/30/1945
P18718.0P	47	71	29	NENW	Complete	STK	MACSY HAIGHT	FLOWING #1	35	40.00	12/31/1945
P18727.0P	47	71	30	SWNE	Complete	STK	MACSY HAIGHT	SIMMS #1	80	100.00	12/31/1946
P113843.0W	47	72	01	SWNW	Complete	MON	Foundation Coal West, Inc.	D9MW1	7.6	27.50	02/08/1999
P113844.0W	47	72	01	SWNW	Complete	MON	ALPHA COAL WEST INC	D9MW2	4.75	12.00	02/08/1999
P117564.0W	47	72	01	NENE	Complete	MON	ALPHA COAL WEST INC	A5-DW32	181.38	316.00	07/22/1999
P117565.0W	47	72	01	NENE	Complete	MON	ALPHA COAL WEST INC	A5-DW33	202.31	319.00	07/22/1999
P119329.0W	47	72	01	NENE	Complete	MON	ALPHA COAL WEST INC	451258-S	76.29	176.00	09/03/1999
P119330.0W	47	72	01	NENE	Complete	MON	ALPHA COAL WEST INC	451258-CL	218.03	360.00	09/03/1999
P122039.0W	47	72	01	SESE	Complete	MON	ALPHA COAL WEST INC	PD418265	232	322.00	01/05/2000
P122041.0W	47	72	01	NESE	Complete	MON	ALPHA COAL WEST INC	PD431265	217	382.00	01/05/2000
P122043.0W	47	72	01	SENE	Complete	MON	ALPHA COAL WEST INC	PD444265	118.2	357.00	01/05/2000
P122044.0W	47	72	01	NENE	Complete	MON	ALPHA COAL WEST INC	PD457259	50.5	320.00	01/05/2000
P122049.0W	47	72	01	NENE	Complete	MON	ALPHA COAL WEST INC	PD8	218	358.00	01/05/2000
P122050.0W	47	72	01	SWNE	Complete	MON	ALPHA COAL WEST INC	P444252	113	324.00	01/11/2000
P130321.0W	47	72	01	NWSE	Complete	CBM	RMG I, LLC	DUNLAP 1-33-47-72A	95	373.00	10/16/2000
P130322.0W	47	72	01	SWSE	Complete	CBM	RMG I, LLC	DUNLAP 1-34-47-72A	83	366.00	10/16/2000
P130324.0W	47	72	01	SESE	Complete	CBM	RMG I, LLC	DUNLAP 1-44-47-72-A	115	368.00	10/16/2000
P130690.0W	47	72	01	NENW	Complete	CBM	RMG I, LLC	RAG 1- 21 - 47-72 - A	46	347.00	11/03/2000
P133781.0W	47	72	01	SESE	Complete	CBM	RMG I, LLC	Enl. DUNLAP 1-44-47-72-A			04/06/2001
P133825.0W	47	72	01	NESW	Complete	CBM	RMG I, LLC	RAG 1-23-47-72-A	90	376.00	04/06/2001
P63269.0W	47	72	01	NESE	Complete	MON	ALPHA COAL WEST INC	F 498 1	52.7	367.00	02/22/1983
P63270.0W	47	72	01	NESE	Complete	MON	ALPHA COAL WEST INC	F 498 2	19.7	280.00	02/22/1983
P63271.0W	47	72	01	NESE	Complete	MON	ALPHA COAL WEST INC	F 498 3	8.3	19.00	02/22/1983
P71655.0W	47	72	01	SWNW	Complete	MON	ALPHA COAL WEST INC	AV1 1	9.42	15.50	12/30/1985
P71659.0W	47	72	01	SWNE	Complete	MON	ALPHA COAL WEST INC	AV2	5.61	18.00	12/30/1985
P190080.0W	47	72	01	SENW	Complete	MIS	BELLE AYR MINE	448233AW	103	260.00	03/23/2009

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P190081.0W	47	72	01	SWNE	Complete	MIS	BELLE AYR MINE	445251AW	107	220.00	03/23/2009
P190082.0W	47	72	01	SWNW	Complete	MIS	BELLE AYR MINE	443225AW	14	240.00	03/23/2009
								462245AW AND			
P190085.0W	47	72	01	NWNE	Complete	MIS	BELLE AYR MINE	452256AW	93	243.00	03/23/2009
P190086.0W	47	72	01	NWNW	Complete	MIS	BELLE AYR MINE	455230AW	61	260.00	03/23/2009
P190087.0W	47	72	01	NENW	Complete	MIS	BELLE AYR MINE	457237AW	89	220.00	03/23/2009
								BA2011Q1- 1BA2011Q1- 2BA2011Q1- 3BA2011Q1-			
P195188.0W	47	72	01	SWSE	Complete	MIS	BELLE AYR MINE	4BA2011Q1-5	27	282.00	03/09/2011
								BA2011Q1-11,			
P195190.0W	47	72	01	NESW	Complete	MIS	BELLE AYR MINE	BA2011Q1-12	116	282.00	03/09/2011
P195191.0W	47	72	01	SENE	Complete	MIS	BELLE AYR MINE	BA2011Q1-13	242	362.00	03/09/2011
								BA2011Q1-16, -18, -19, -35 & -36 (5 WELLS)			
P195307.0W	47	72	01	SENE	Complete	MIS	BELLE AYR MINE	BA2011Q1-42 THRU	223	385.00	03/23/2011
								BA2011Q1-51			
P195345.0W	47	72	01	SESE	Complete	MIS	BELLE AYR MINE	NENW SECTION 1 DEWATER (20 WELLS)	264	382.00	04/04/2011
							ALPHA COAL WEST INC BELLE AYR MINE	FEDERAL #727-41	225	358.00	01/25/2012
P197306.0W	47	72	01	NWNE	Complete	MIS			375	719.00	11/21/1995
P101106.0W	47	72	27	NENE	Complete	CBM; STK	Lance Oil & Gas Co. JN	EXPLORATION/PRO DUCTION	465	1220.00	09/16/1996
P104075.0W	47	72	14	SENE	Incomplete	IND GW		BREEN UNIT 42X-14 WSW			
P104522.0W	47	72	22	NWSE	Complete	MON	WESTERN GAS RESOURCES INC	SM-22-33	58.75	89.00	11/18/1996
P104523.0W	47	72	15	SESW	Complete	MON	WESTERN GAS RESOURCES INC	SM-15-24	10.9	65.00	11/18/1996
P108074.0W	47	72	16	NESW	Complete	CBM	Lance Oil & Gas Co.	STATE 716-23	259	690.00	11/06/1997
P108078.0W	47	72	16	SWSW	Complete	CBM	Wyo State Board of Land Commissioners	STATE 716-14	249	756.00	11/06/1997
P108079.0W	47	72	21	NWNW	Complete	CBM	Lance Oil & Gas Co.	THIELEN 21- 11	240	758.00	11/06/1997
P108080.0W	47	72	16	SESW	Complete	CBM	Wyo State Board of Land Commissioners	STATE 716-24	284	720.00	11/06/1997
P108081.0W	47	72	21	SENE	Complete	CBM	Lance Oil & Gas Co.	THIELEN 21- 22	284	780.00	11/06/1997
P108082.0W	47	72	22	NESW	Complete	CBM	Lance Oil & Gas Co.	FEDERAL 722-23	389	744.00	11/06/1997
P108249.0W	47	72	21	SWNE	Complete	CBM	Lance Oil & Gas Co.	THIELEN 21- 32	279	771.00	11/26/1997
P112744.0W	47	72	10	SENE	Complete	CBM; STK	MTG OPERATING COMPANY	HOE CREEK 10-22	505	577.50	11/05/1998
P112745.0W	47	72	10	SESW	Complete	CBM; STK	MTG OPERATING COMPANY	HOE CREEK 10-24	501	585.00	11/05/1998
P112746.0W	47	72	10	SWNE	Complete	CBM; STK	MTG OPERATING COMPANY	HOE CREEK 10-32	500.5	572.00	11/05/1998
P112747.0W	47	72	10	NWSE	Complete	CBM; STK	MTG OPERATING	HOE CREEK 10-33	496.5	564.00	11/05/1998
P112748.0W	47	72	10	SWSE	Complete	CBM; STK	MTG OPERATING	HOE CREEK 10-34			11/05/1998
P112749.0W	47	72	10	SESE	Complete	CBM; STK	MTG OPERATING	HOE CREEK 10-44	488	564.00	11/05/1998
P112750.0W	47	72	11	NWNW	Complete	CBM; STK	MTG OPERATING	HOE CREEK 11-11	368	438.00	11/05/1998

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P112751.0W	47	72	11	SWNW	Complete	CBM; STK	MTG OPERATING	HOE CREEK 11-12	384.5	452.00	11/05/1998
P112754.0W	47	72	14	SWNW	Complete	CBM; STK	MTG OPERATING COMPANY	HOE CREEK 14-12	494	585.00	11/05/1998
P112757.0W	47	72	15	NWNE	Complete	CBM; STK	MTG OPERATING	HOE CREEK 15-31	484	573.00	11/05/1998
P112758.0W	47	72	15	SWNE	Complete	CBM; STK	MTG OPERATING	HOE CREEK 15-32	490	590.00	11/05/1998
P114554.0W	47	72	24	NWSW	Complete	CBM; STK	LANCE OIL & GAS CO.	DAVIS FEDERAL 13-21-4772	690	837.00	03/15/1999
P115086.0W	47	72	13	NWNE	Complete	CBM	CNX GAS COMPANY, LLC	(JN) DUVALL #13B WELL	257	383.00	04/05/1999
P115088.0W	47	72	13	NWNW	Complete	CBM	CNX GAS COMPANY, LLC	(JN) DUVALL #13D WELL	369	488.00	04/05/1999
P115089.0W	47	72	13	SWNW	Complete	CBM	CNX GAS COMPANY, LLC	(JN) DUVALL #13E WELL	370	484.00	04/05/1999
P115091.0W	47	72	13	SWNE	Complete	CBM	CNX GAS COMPANY, LLC	(JN) DUVALL #13G WELL	285	404.00	04/05/1999
P115094.0W	47	72	13	NWSE	Complete	CBM	CNX GAS COMPANY, LLC	(JN) DUVALL #13J WELL	328	433.00	04/05/1999
P115096.0W	47	72	13	SWNW	Complete	CBM	CNX GAS COMPANY, LLC	(JN) DUVALL #13L WELL	410	533.00	04/05/1999
P115097.0W	47	72	13	SWSE	Complete	CBM	CNX GAS COMPANY, LLC	(JN) DUVALL #13O WELL	368	478.00	04/05/1999
P116698.0W	47	72	12	NWNE	Complete	CBM	CNX GAS COMPANY, LLC	JN CABALLO ROJO 12B WELL	224	387.00	06/28/1999
P116714.0W	47	72	14	NESE	Complete	CBM	CNX GAS COMPANY, LLC	JN BELL 14I WELL	407	579.00	06/28/1999
P116715.0W	47	72	14	NWSE	Complete	CBM	CNX GAS COMPANY, LLC	JN BELL 14J WELL	413	589.00	06/28/1999
P116716.0W	47	72	14	SWSE	Complete	CBM	CNX GAS COMPANY LLC	JN BELL 14O WELL	409	644.00	06/28/1999
P116717.0W	47	72	14	SESE	Complete	CBM	CNX GAS COMPANY LLC	JN BELL 14P WELL	419	598.00	06/28/1999
P116718.0W	47	72	24	NENE	Complete	CBM	JN Exploration/Production Ltd.	JN DUVALL 24A WELL	323	403.00	06/28/1999
P124814.0W	47	72	10	SWSW	Complete	CBM; STK	J.M. HUBER CORPORATION	Lynde Trust 10-14	587	584.00	04/13/2000
P125280.0W	47	72	11	SWSE	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 11-34	458	537.00	05/01/2000
P125281.0W	47	72	02	SWNE	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 2-32	350	414.00	05/01/2000
P125282.0W	47	72	02	NENE	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 2-41	348	415.00	05/01/2000
P125283.0W	47	72	02	SENE	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 2-42	286	352.00	05/01/2000
P125284.0W	47	72	03	NWNE	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 3-31	416	473.00	05/01/2000
P125371.0W	47	72	03	NENE	Complete	CBM	North Finn, LLC	OXBOW #41-3	380	474.00	05/09/2000
P125372.0W	47	72	02	SENE	Complete	CBM	North Finn, LLC	OXBOW #22-2	370	422.00	05/09/2000
P126658.0W	47	72	23	SWNW	Complete	CBM	EMERALD OPERATING COMPANY	BELL SEELY 12-23	557	645.00	06/29/2000
P126659.0W	47	72	23	NENE	Complete	CBM	EMERALD OPERATING COMPANY	BELL SEELY 41-23	537	624.00	06/29/2000
P126660.0W	47	72	23	SWSW	Complete	CBM	EMERALD OPERATING COMPANY	HAIGHT 14-23-4772	552	628.00	06/29/2000

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P126661.0W	47	72	26	SENE	Complete	CBM	EMERALD OPERATING COMPANY	HAIGHT 42-26-4772	555	630.00	06/29/2000
P126662.0W	47	72	25	NWSW	Complete	CBM	EMERALD OPERATING COMPANY	HAIGHT CBM 13-25	513	605.00	06/29/2000
P126663.0W	47	72	25	NWNW	Complete	CBM	EMERALD OPERATING COMPANY	HAIGHT CBM 25-11	504	598.00	06/29/2000
P126664.0W	47	72	25	NWNE	Complete	CBM	EMERALD OPERATING COMPANY	HAIGHT CBM 31-25	7	498.00	06/29/2000
P126665.0W	47	72	25	NWSE	Complete	CBM	EMERALD OPERATING COMPANY	HAIGHT CBM 33-25	469	540.00	06/29/2000
P126666.0W	47	72	23	SWSE	Complete	CBM	EMERALD OPERATING COMPANY	HAIGHT CBM 34-23	589	680.00	06/29/2000
P126667.0W	47	72	25	SENE	Complete	CBM	EMERALD OPERATING COMPANY	HAIGHT CBM 42-25	7	494.00	06/29/2000
P126668.0W	47	72	25	SESE	Complete	CBM	EMERALD OPERATING COMPANY	HAIGHT CBM 44-25	418	494.00	06/29/2000
P126669.0W	47	72	24	NWSE	Complete	CBM	EMERALD OPERATING COMPANY	MANKIN 33-24-4772	7	521.00	06/29/2000
P126670.0W	47	72	24	SENE	Complete	CBM	EMERALD OPERATING COMPANY	MANKIN 42-24-4772	7	410.00	06/29/2000
P126671.0W	47	72	25	SENW	Complete	CBM	EMERALD OPERATING COMPANY	HAIGHT CBM 22X-25	494	590.00	06/29/2000
P131120.0W	47	72	04	NENE	Complete	CBM	Pennaco Energy, Inc.	FEDERAL 4-41-47-72	456	510.00	11/20/2000
P131124.0W	47	72	15	SENE	Complete	CBM	CONOCO PHILLIPS COMPANY	FEDERAL 15-42-47-72	562	584.00	11/20/2000
P131125.0W	47	72	09	NWNW	Complete	CBM	CONOCO PHILLIPS COMPANY	FEDERAL 09-11-47-72	608	661.00	11/20/2000
P131126.0W	47	72	23	NWSE	Complete	CBM	CONOCO PHILLIPS COMPANY	FEDERAL 23-33-47-72	595	662.00	11/20/2000
P131127.0W	47	72	23	NESW	Complete	CBM	CONOCO PHILLIPS COMPANY	FEDERAL 23-23-47-72	599	642.00	11/20/2000
P131128.0W	47	72	03	SENW	Complete	CBM	CONOCO PHILLIPS COMPANY	FEDERAL 3-22-47-72	403	463.00	11/20/2000
P131129.0W	47	72	03	NESE	Complete	CBM	CONOCO PHILLIPS COMPANY	FEDERAL 3-43-47-72	291	439.00	11/20/2000
P131142.0W	47	72	04	SWSE	Complete	CBM	CONOCO PHILLIPS COMPANY	FEDERAL 4-34-47-72	570	597.00	11/20/2000
P131145.0W	47	72	03	SWSE	Complete	CBM	CONOCO PHILLIPS COMPANY	FEDERAL 3-34-47-72	431	473.00	11/20/2000
P131154.0W	47	72	09	NWNE	Complete	CBM	CONOCO PHILLIPS COMPANY	FEDERAL 09-31-47-72	582	629.00	11/20/2000
P131155.0W	47	72	09	NENW	Complete	CBM	CONOCO PHILLIPS COMPANY	FEDERAL 09-21-47-72	576	635.00	11/20/2000
P131168.0W	47	72	03	NENW	Complete	CBM	CONOCO PHILLIPS COMPANY	FEDERAL 3-21-47-72	392	469.00	11/20/2000
P131169.0W	47	72	03	NWSE	Complete	CBM	CONOCO PHILLIPS COMPANY	FEDERAL 3-33R-47-72	383	440.00	11/20/2000
P131170.0W	47	72	27	NESE	Complete	CBM	CONOCO PHILLIPS COMPANY	RANDOLF FEDERAL 43-27-47-72	766	830.00	11/20/2000

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P131176.0W	47	72	26	SWSW	Complete	CBM	USDI - BLM	RANDOLF FEDERAL 14-26-47-72	784	865.00	11/20/2000
P131177.0W	47	72	27	SESE	Complete	CBM	CONOCO PHILLIPS COMPANY	RANDOLF FEDERAL 44-27-47-72	856	930.00	11/20/2000
P131189.0W	47	72	15	SWNW	Complete	CBM	CONOCO PHILLIPS COMPANY	FEDERAL 15-12-47-72	570	634.00	11/20/2000
P131962.0W	47	72	11	SESE	Complete	CBM; STK	J.M. HUBER CORPORATION	RAG FEDERAL 11-44-47-72	430	492.00	01/10/2001
P134000.0W	47	72	27	NWSW	Complete	CBM	CONOCO PHILLIPS COMPANY	HAIGHT FED 27-13-47-72	843.7	930.00	03/22/2001
P134001.0W	47	72	27	SWSW	Complete	CBM	CONOCO PHILLIPS COMPANY	HAIGHT FED 27-14-47-72	858.93	959.00	03/22/2001
P134003.0W	47	72	27	SESW	Complete	CBM	CONOCO PHILLIPS COMPANY	HAIGHT FED 27-24-47-72	853.13	984.00	03/22/2001
P134004.0W	47	72	27	SWNW	Complete	CBM		HAIGHT FED 27-12-47-72	812.99	859.00	03/22/2001
P164810.0W	47	72	24	SWSW	Complete	DOM GW	TERRY & DEBI OISTAD	OISTAD #1	132	360.00	01/25/2005
P167196.0W	47	72	13	SWNE	Complete	CBM; STK	CNX GAS COMPANY LLC	PNG DUVAL 13G-D	331	1303.00	04/18/2005
P167197.0W	47	72	13	SENW	Complete	CBM; STK	Wyo State Board of Land Commissioners	PNG DUVAL 13F-D	377	1359.00	04/18/2005
P167198.0W	47	72	13	NWSE	Complete	CBM; STK	CNX GAS COMPANY LLC	PNG DUVAL 13F2-D	0	1352.00	04/18/2005
P176029.0W	47	72	13	SENE	Complete	MON	CORDERO MINING LLC	MS-13-1	86	234.00	07/10/2006
P177105.0W	47	72	03	SENE	Complete	CBM	WYTEX VENTURES LLC	FEDERAL 3-42	42	416.00	08/31/2006
P177107.0W	47	72	02	NWNE	Complete	CBM	WYTEX VENTURES LLC	FEDERAL 2-31 47-72	63	361.00	08/31/2006
P177111.0W	47	72	03	SWNE	Complete	CBM	WYTEX VENTURES LLC	FEDERAL 3-32 47-72	65	448.00	08/31/2006
P177115.0W	47	72	15	NENE	Complete	CBM	WYTEX VENTURES LLC	LYNDE TRUST 15-41 47-72	44	562.00	08/31/2006
P177130.0W	47	72	14	NENW	Incomplete	CBM	WYTEX VENTURES LLC	LYNDE TRUST 14-21 47-72	61	542.00	08/31/2006
P177134.0W	47	72	04	NESE	Complete	CBM	WYTEX VENTURES LLC	LYNDE TRUST 4-43	126	503.00	08/31/2006
P177199.0W	47	72	09	NENE	Complete	DOM GW	HERBERT A AND TONYA REYNOLDS	REYNOLDS 1	220	315.00	09/07/2006
P18720.OP	47	72	26	SENW	Complete	STK	CORDERO MINING LLC	OLD PLACE #1	50	100.00	12/31/1935
P18721.OP	47	72	26	NESW	Complete	STK	CORDERO MINING LLC	RED HILLS #1	100	165.00	06/30/1946
P18722.OP	47	72	22	SWSE	Complete	STK	CORDERO MINING LLC	WEST #1	0	95.00	12/31/1947
P18725.OP	47	72	22	NENW	Complete	STK	CORDERO MINING LLC	CLYDES #1	45	60.00	12/31/1916
P22587.OP	47	72	13	SESE	Complete	DOM GW; STK	KENNETH R. DUVALL	KEN DUVAL #1	160	209.00	02/07/1973
P24866.OP	47	72	11	NWNE	Complete	DOM GW	CONTURA COAL WEST LLC	MORGAN ORIGINAL #1	10	21.00	10/12/1973
P32840.0W	47	72	09	SENW	Complete	DOM GW; STK	EDNA L. CARTER	EDNA #2	55	400.00	04/12/1976
P32841.0W	47	72	09	NESW	Complete	STK	EDNA L. CARTER	EDNA #1	55	150.00	04/12/1976
P52263.0W	47	72	09	SENW	Complete	DOM GW; STK	EDNA L. CARTER	FLOYD #2	200	354.00	05/27/1980

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P68643.0W	47	72	23	SESE	Complete	DOM GW; STK	CORDERO MINING LLC	HAIGHT N W #1	120	205.00	10/04/1984
P72091.0W	47	72	16	NWNE	Complete	MON	Amoco Production Co.	RED TOP W 1	130	651.00	02/24/1986
P72092.0W	47	72	16	NWNW	Complete	MON	Amoco Production Co.	RED TOP W 2	130	720.00	02/24/1986
P72093.0W	47	72	16	NWSE	Complete	MON	Amoco Production Co.	RED TOP W 3	200	720.00	02/24/1986
P72094.0W	47	72	16	NWSE	Complete	MON	Amoco Production Co.	RED TOP W 4	200	695.00	02/24/1986
P72095.0W	47	72	16	SWNE	Complete	MON	Amoco Production Co.	RED TOP W 5	200	689.00	02/24/1986
P72096.0W	47	72	16	NWSE	Complete	MON	Amoco Production Co.	RED TOP W 6	200	655.00	02/24/1986
P72097.0W	47	72	16	NWSE	Complete	MON	Amoco Production Co.	RED TOP S 1	145	480.00	02/24/1986
P72098.0W	47	72	16	NWSE	Complete	MON	Amoco Production Co.	RED TOP S 2	193	580.00	02/24/1986
P73316.0W	47	72	09	NWSE	Complete	DOM GW; STK	EDNA L. CARTER	JOHN #1	280	612.00	09/09/1986
P76557.0W	47	72	13	SENE	Complete	STK	CABALLO ROJO LLC	WILMOT #1	1345	185.00	04/18/1988
P79797.0W	47	72	12	SWNE	Complete	MON	CABALLO ROJO LLC	MW 89 12 1C	103	402.00	05/11/1989
P79798.0W	47	72	13	NESE	Complete	MON	CABALLO ROJO LLC	MW 89 13 2C	189	422.00	05/11/1989
P81886.0W	47	72	02	NENW	Incomplete	IND GW	PRESIDIO EXPLORATION INC	LYNDE 1 2 WSW	4351	4570.00	02/27/1990
P87749.0W	47	72	11	SWNW	Complete	STK	I.W. & WINNIE E. LYNDE MEMORIAL TRUST	LYNDE #11	228	1200.00	02/26/1991
P90656.0W	47	72	02	NWNW	Complete	MON	MARTENS & PECK OPERATING CO.	MON #2-11-C	161	410.00	01/19/1993
P90657.0W	47	72	02	NWNW	Complete	MON	MARTENS & PECK OPERATING CO.	MON #2-11-S	52	310.00	01/19/1993
P90810.0W	47	72	14	SWNE	Incomplete	CBM; MIS; STK	MARTENS & PECK OPERATING CO.	LYNDE TRUST #14-32			01/19/1993
P96782.0W	47	72	14	SESW	Complete	CBM; STK	Lance Oil & Gas Co.	MANKIN #14-24	268	623.00	08/03/1994
P96783.0W	47	72	15	NESE	Complete	CBM; STK	Lance Oil & Gas Co.	HAIGHT #15-43	239	589.00	08/03/1994
P96784.0W	47	72	23	NENW	Complete	CBM; STK	Lance Oil & Gas Co.	MANKIN #23-21	280	604.00	08/03/1994
P96785.0W	47	72	23	SENE	Complete	CBM; STK	Lance Oil & Gas Co.	MANKIN #23-22	281	619.00	08/03/1994
P96786.0W	47	72	23	SWNE	Complete	CBM; STK	Lance Oil & Gas Co.	MANKIN #23-32	300	643.00	08/03/1994
P96787.0W	47	72	26	NWNW	Complete	CBM; STK	Lance Oil & Gas Co.	HAIGHT #26-11	282	642.00	08/03/1994
P96788.0W	47	72	26	SWNW	Complete	CBM; STK	Lance Oil & Gas Co.	HAIGHT #26-12	330	681.00	08/03/1994
P96789.0W	47	72	26	SENE	Complete	CBM; STK	Lance Oil & Gas Co.	HAIGHT #26-22	290	643.00	08/03/1994
P97258.0W	47	72	14	SWSW	Complete	CBM; STK	Lance Oil & Gas Co.	MANKIN #14-14	263	631.00	08/19/1994
P97259.0W	47	72	23	NWNE	Complete	CBM; STK	Lance Oil & Gas Co.	MANKIN #23-31	297	643.00	08/19/1994
P97260.0W	47	72	24	SWNW	Complete	CBM; STK	Lance Oil & Gas Co.	MANKIN #24-12	238	608.00	08/19/1994
P97261.0W	47	72	24	NESW	Complete	CBM; STK	Lance Oil & Gas Co.	MANKIN #24-23	246	572.00	08/19/1994

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P97262.0W	47	72	24	SESW	Complete	CBM; STK	Lance Oil & Gas Co.	MANKIN #24-24	195	553.00	08/19/1994
P97264.0W	47	72	24	NWSW	Complete	CBM; STK	Lance Oil & Gas Co.	MANKIN #24-13	225	574.00	08/19/1994
P98610.0W	47	72	25	NENW	Incomplete	CBM; MIS; STK	WESTERN GAS RESOURCES INC	HAIGHT #25-21			03/20/1995
P98611.0W	47	72	25	SESW	Incomplete	CBM; MIS; STK	WESTERN GAS RESOURCES INC	HAIGHT #25-22			03/20/1995
P99049.0W	47	72	10	NWSE	Incomplete	CBM; MIS; STK	TORCH OPERATING COMPANY	LYNDE TRUST #10-33			04/21/1995
P99234.0W	47	72	26	NESE	Complete	CBM; MIS	WARREN E & P INC	LESS #9-26	470	630.00	05/15/1995
P99235.0W	47	72	26	SWSE	Complete	CBM; MIS	WARREN E & P INC	LESS #15-26	400	638.00	05/15/1995
P99236.0W	47	72	26	SESW	Complete	CBM; MIS	WARREN E & P INC	LESS #10-26	440	624.00	05/15/1995
P99237.0W	47	72	26	SESE	Complete	CBM; MIS	WARREN E & P INC	LESS #16-26	450	612.00	05/15/1995
P99907.0W	47	72	22	NWSE	Complete	CBM; MIS	Lance Oil & Gas Co.	PITTMAN #22-33	315	689.00	07/24/1995
P99908.0W	47	72	22	NESE	Complete	CBM; MIS	Lance Oil & Gas Co.	PITTMAN #22-43	295	663.00	07/24/1995
P99909.0W	47	72	22	SESE	Complete	CBM; MIS	Lance Oil & Gas Co.	PITTMAN #22-44	282	652.00	07/24/1995
P99911.0W	47	72	26	NENW	Complete	CBM; MIS	Lance Oil & Gas Co.	HAIGHT #26-21	255	641.50	07/24/1995
P184198.0W	47	72	10	NESW	Complete	CBM	LORAL OPERATING, LLC	LYNDE TRUST 10-23 47-72	815	1435.00	10/17/2007
P194408.0W	47	72	12	NENE	Complete	MIS	BELLE AYR MINE	BA2010Q4-12, BA2010Q4-13, BA2010A4-14, BA2010Q4-15	135	332.00	11/15/2010
P194409.0W	47	72	12	NENE	Complete	MIS	BELLE AYR MINE	BA2010Q4-19, BA2010Q4-20, BA2010A4-21, BA2010Q4-22	68	260.00	11/15/2010
P194410.0W	47	72	12	SWSE	Complete	MIS	BELLE AYR MINE	BA2010Q4-26	91	282.00	11/15/2010
P197237.0W	47	72	10	NWNE	Unadjudicated	MIS	ALPHA WYOMING LAND CO.	HOE CREEK SHOP	152	218.00	01/06/2012
P199287.0W	47	72	21	NWSE	Complete	STK	WYO DAVIS FAMILY LIMITED PARTNERSHIP	DAVIS 21-33-4772	307	672.00	09/21/2012
P201358.0W	47	72	10	SESW	Complete	DOM GW; STK	CALVIN TAYLOR	TAYLOR #1	165	350.00	12/03/2013
P203468.0W	47	72	13	NWSE	Incomplete	DOM GW; STK	KENNETH DUVALL	PNG DUVALL 13 J-D	366	1357.00	01/15/2015
P176703.0W	48	70	31	NWNW	Complete	STK	BISHOP LAND AND LIVESTOCK INC.	BISHOP L & L #1	43	230.00	08/16/2006
P18144.0P	48	70	17	SWNW	Complete	STK	MELVIN D. & ETHEL L. CLARK	RA HOMESTEAD #6	200	300.00	12/31/1965
P18145.0P	48	70	19	NESE	Complete	STK	MELVIN D. & ETHEL L. CLARK	COAL SPRING #7	2	4.00	12/31/1930
P31897.0W	48	70	07	NWNE	Complete	MON	Carter Oil Co.	CABALLO OW-9	35	50.00	11/24/1975
P31898.0W	48	70	18	SENE	Complete	MON	Carter Oil Co.	CABALLO OW-10	46	232.00	11/24/1975
P39591.0W	48	70	07	SENE	Complete	MON	PEABODY CABALLO MINING LLC	C-OW-7	61	120.00	08/15/1977
P39594.0W	48	70	18	SWNW	Complete	MON	PEABODY CABALLO MINING LLC	C-OW-10	7	115.00	08/15/1977
P40829.0W	48	70	18	NWSW	Complete	MON	Carter Oil Co.	HARZA CA-19	55	120.00	11/14/1977

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P60183.0W	48	70	30	SWSW	Complete	DOM GW	JAMES CASSIDY SMITH	SMITH #1	65	680.00	04/05/1982
P65278.0W	48	70	07	SWSW	Complete	IND GW	Conley P. Smith	GREER #13-7	500	3876.00	07/18/1983
P80956.0W	48	70	19	SENW	Complete	STK	PEABODY CABALLO MINING LLC	CA 313 CL	38	146.00	10/05/1989
P86640.0W	48	70	00		Complete	IND GW	LEGACY RESERVES OPERATING LP	SUTTON #2	335	3361.00	12/02/1991
P102222.0W	48	71	12	SWNW	Complete	DOM GW	PEABODY DEVELOPEMENT CO	CA-1357WW	385	703.00	05/02/1996
P102848.0W	48	71	06	SWNW	Complete	DOM GW	KIRK & TERESA BLACKFORD	BLACKFORD #1	500	10480.00	06/28/1996
P103118.0W	48	71	33	SWSE	Complete	MON	CONTURA COAL WEST LLC	UB3301	-7	211.00	07/24/1996
P103121.0W	48	71	34	SWSE	Complete	MON	CONTURA COAL WEST LLC	RW3404	-7	74.00	07/24/1996
P103122.0W	48	71	34	NWSE	Complete	MON	CONTURA COAL WEST LLC	RW3405	-7	48.00	07/24/1996
P104230.0W	48	71	31	SWNE	Complete	MIS	RAG COAL WEST INC	DW 3109	83	141.00	10/08/1996
P105123.0W	48	71	26	SWNW	Complete	MON	PEABODY CABALLO MINING LLC	1449-B	-7	135.00	03/04/1997
P105930.0W	48	71	29	SWSW	Complete	MIS	Foundation Coal West, Inc./BELLE AYR MINE	DW 2914	35	131.00	05/01/1997
P10600.0P	48	71	06	NWSW	Complete	STK	PLACIDE ROBBINS	GUMBO FLAT #2	-1	180.00	12/31/1950
P106998.0W	48	71	07	SWSW	Complete	DOM GW	KEN HALL	HALL #1	460	756.00	08/06/1997
P107945.0W	48	71	32	NENW	Complete	MON	FOUNDATION COAL WEST, INC. BELLE AYR MINE	A162A	164.8	223.00	11/05/1997
P108121.0W	48	71	30	NESE	Complete	MON	Foundation Coal West, Inc.	A282A	145	315.00	11/18/1997
P108123.0W	48	71	30	SESE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A2071G	88.8	126.00	11/18/1997
P108352.0W	48	71	31	SWNE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A107CC	162	297.00	12/24/1997
P109217.0W	48	71	22	SESE	Complete	MON	PEABODY CABALLO MINING LLC	CA-SMW5	-7	171.00	03/10/1998
P109218.0W	48	71	23	SESW	Complete	MON	PEABODY CABALLO MINING LLC	CA-SMW6	-7	111.00	03/10/1998
P109219.0W	48	71	27	SENE	Complete	MON	PEABODY CABALLO MINING LLC	CA-SMW7	-7	121.00	03/10/1998
P109925.0W	48	71	31	SESE	Complete	MON	Foundation Coal West, Inc.	GT3202	149.9	210.00	05/04/1998
P109926.0W	48	71	32	SWSE	Complete	MON	CONTURA COAL WEST LLC	RW3201	185.8	235.00	05/04/1998
P112213.0W	48	71	30	SENE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW01	151.5	293.00	10/07/1998
P112218.0W	48	71	29	SWNW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW06	173.4	296.00	10/07/1998

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static		Priority
									GW	Well Depth	
P112222.0W	48	71	29	SENW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW10	148.6	295.00	10/07/1998
P112224.0W	48	71	29	SENW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW12	144.6	300.00	10/07/1998
P112227.0W	48	71	29	SENW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW15	219.5	306.00	10/07/1998
P112234.0W	48	71	30	NESE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A2-DW07	131.2	279.00	10/07/1998
P112239.0W	48	71	30	NESE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A2-DW12	21	266.00	10/07/1998
P112242.0W	48	71	30	SWNE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A2-DW15	168.2	300.00	10/07/1998
P112245.0W	48	71	30	SENE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A2-DW18	148.1	274.00	10/07/1998
P112246.0W	48	71	30	SENE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A2-DW19	154.8	277.00	10/07/1998
P112247.0W	48	71	30	SWNE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A2-DW20	128.2	275.00	10/07/1998
P112248.0W	48	71	30	SWNE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A2-DW21	132.4	305.00	10/07/1998
P112249.0W	48	71	30	SENE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A2-DW22	132.4	288.00	10/07/1998
P112250.0W	48	71	30	SENE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A2-DW23	151	276.00	10/07/1998
P112251.0W	48	71	30	SENE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A2-DW24	129	293.00	10/07/1998
P112312.0W	48	71	31	SESW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A4-DW45	161.37	297.00	10/07/1998
P112861.0W	48	71	30	SENE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW16	154.4	304.00	11/13/1998
P112863.0W	48	71	29	SWNW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW17	164	323.00	11/13/1998
P112864.0W	48	71	29	SENW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW19	148	313.00	11/13/1998
P112866.0W	48	71	29	SWNE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW21	176.9	308.00	11/13/1998
P112869.0W	48	71	29	SENE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW24	149.38	231.00	11/13/1998
P112870.0W	48	71	29	SWNE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW25	180.7	344.00	11/13/1998
P112873.0W	48	71	30	NENE	Complete	MON	Foundation Coal West, Inc.	A1-DW28	201.2	376.00	11/13/1998

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P112874.0W	48	71	29	NWNW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW29	162.4	325.00	11/13/1998
P112875.0W	48	71	29	NWNW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW30	179.6	343.00	11/13/1998
P112876.0W	48	71	29	NENW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW31	176.6	365.00	11/13/1998
P112877.0W	48	71	29	NENW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW32	184	340.00	11/13/1998
P112880.0W	48	71	29	NENE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW35	116.2	256.00	11/13/1998
P112881.0W	48	71	29	NENE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW36	168.37	250.00	11/13/1998
P112882.0W	48	71	30	NENE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW37	211.2	337.00	11/13/1998
P112887.0W	48	71	29	NWNW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW42	201.9	338.00	11/13/1998
P112888.0W	48	71	29	NENW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW43	179.1	334.00	11/13/1998
P112889.0W	48	71	29	NENW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW44	206	349.00	11/13/1998
P112890.0W	48	71	29	NENW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW45	220.2	352.00	11/13/1998
P112892.0W	48	71	29	NWNE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A1-DW47	234.1	388.00	11/13/1998
P112898.0W	48	71	30	SWNE	Complete	MON	Foundation Coal West, Inc.	A2-DW27	170.36	306.00	11/13/1998
P112900.0W	48	71	30	NWNE	Complete	MON	Foundation Coal West, Inc.	A2-DW29	178.53	319.00	11/13/1998
P112901.0W	48	71	30	NENE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A2-DW30	181.62	332.00	11/13/1998
P112902.0W	48	71	30	NWNE	Complete	MON	Foundation Coal West, Inc.	A2-DW31	189.75	329.00	11/13/1998
P112903.0W	48	71	30	NENE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A2-DW32	190.04	336.00	11/13/1998
P112925.0W	48	71	30	NESE	Complete	MIS	Foundation Coal West, Inc./BELLE AYR MINE	A282A-6	145	315.00	10/12/1998
P113216.0W	48	71	06	NENW	Complete	CBM, STK	Pennaco Energy, Inc.	ROURKE 3-6-48-71	35	423.00	12/02/1998
P113928.0W	48	71	05	NENW	Complete	CBM, STK	Pennaco Energy, Inc.	ROURKE #3-5-48-71	261	380.00	02/08/1999
P114826.0W	48	71	18	SWSE	Complete	MON	CONTURA COAL WEST LLC	LBA-6C	244.73	435.00	04/01/1999
P114827.0W	48	71	18	SWSE	Complete	MON	CONTURA COAL WEST LLC	LBA-60	51	100.00	04/01/1999
P114828.0W	48	71	17	SESW	Complete	MON	CONTURA COAL WEST LLC	LBA-7C	296.1	442.00	04/01/1999
P114829.0W	48	71	17	SESW	Complete	MON	CONTURA COAL WEST LLC	LBA-7D	189	249.00	04/01/1999

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P114830.0W	48	71	19	NWNE	Complete	MON	CONTURA COAL WEST LLC	LBA-10C	218	377.00	04/01/1999
P114831.0W	48	71	19	NWNE	Complete	MON	CONTURA COAL WEST LLC	LBA-100	77.9	280.00	04/01/1999
P114832.0W	48	71	20	SWNE	Complete	MON	CONTURA COAL WEST LLC	LBA-12C	270	392.00	04/01/1999
P114833.0W	48	71	20	SWNE	Complete	MON	CONTURA COAL WEST LLC	LBA-120	153	200.00	04/01/1999
P114846.0W	48	71	30	NESE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	A282A-LS	112.6	206.00	04/01/1999
P115297.0W	48	71	07	SESW	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #14-7-48-71	348	482.00	04/12/1999
P115299.0W	48	71	07	NESE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #9-7-48-71	175	381.00	04/12/1999
P115300.0W	48	71	18	NENE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #1-18-48-71	334	390.00	04/12/1999
P115303.0W	48	71	07	SESE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #16-7-48-71	296	373.00	04/12/1999
P115304.0W	48	71	07	SWSE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #15-7-48-71	345	433.00	04/12/1999
P115305.0W	48	71	18	SWNE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #7-18-48-71	48	470.00	04/12/1999
P115307.0W	48	71	18	NESE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #9-18-48-71	335	462.00	04/12/1999
P115308.0W	48	71	18	NWSE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #10-18-48-71	162	432.00	04/12/1999
P115888.0W	48	71	06	SWSW	Complete	CBM; STK	Pennaco Energy, Inc.	ROBBINS #13-6-48-71B	322	419.00	05/14/1999
P115889.0W	48	71	12	NESE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #9-12-48-72	444	534.00	05/14/1999
P115894.0W	48	71	06	SWNW	Complete	CBM; STK	Pennaco Energy, Inc.	ROBBINS #5-6-48-71	325	415.00	05/14/1999
P116275.0W	48	71	30	NESE	Complete	MON	FOUNDATION COAL WEST, INC. BELLE AYR MINE	A282A-1	59.8	126.00	05/25/1999
P116276.0W	48	71	30	NESE	Complete	MON	FOUNDATION COAL WEST, INC. BELLE AYR MINE	A282A-2	60.8	120.00	05/25/1999
P116277.0W	48	71	30	NESE	Complete	MON	FOUNDATION COAL WEST, INC. BELLE AYR MINE	A282A-3	60.7	133.00	05/25/1999
P116278.0W	48	71	30	NESE	Complete	MON	FOUNDATION COAL WEST, INC. BELLE AYR MINE	A282A-4	91.6	126.00	05/25/1999
P116279.0W	48	71	30	NESE	Complete	MON	FOUNDATION COAL WEST, INC. BELLE AYR MINE	A282A-5	223.1	315.00	05/25/1999
P118222.0W	48	71	07	SWSW	Complete	CBM; STK	Pennaco Energy, Inc.	Rourke #13-7-48-71	469	562.00	08/25/1999
P119809.0W	48	71	30	NENW	Complete	CBM	RMG I, LLC	R.A.G. 30-21	92	352.00	10/07/1999
P119810.0W	48	71	30	SESW	Complete	CBM	RMG I, LLC	R.A.G. 30-22	69	379.00	10/07/1999
P119811.0W	48	71	30	NESW	Complete	CBM	RMG I, LLC	R.A.G. 30-23	58	359.00	10/07/1999
P119812.0W	48	71	30	SESW	Complete	CBM	RMG I, LLC	R.A.G. 30-24	79	334.00	10/07/1999
P120581.0W	48	71	07	NENW	Complete	CBM; STK	Pennaco Energy, Inc.	Rourke #3-7-48-71	253	412.00	11/04/1999
P121299.0W	48	71	06	SWSE	Complete	CBM; STK	Pennaco Energy, Inc.	Rourke Gap 15-6-48-71	357	382.00	11/22/1999
P121301.0W	48	71	06	NWNE	Complete	CBM; STK	Pennaco Energy, Inc.	Rourke Gap 2-6-48-71	315	331.00	11/22/1999
P121302.0W	48	71	06	SWNE	Complete	CBM; STK	Pennaco Energy, Inc.	Rourke Gap 7-6-48-71	260	370.00	11/22/1999

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P121303.0W	48	71	07	NENE	Complete	CBM; STK	Pennaco Energy, Inc.	Rourke Gap 1-7-48-71	339	356.00	11/22/1999
P121308.0W	48	71	08	NENW	Complete	CBM; STK	Pennaco Energy, Inc.	Rourke 3-8-48-71	277	307.00	11/22/1999
P121310.0W	48	71	08	SWNW	Complete	CBM; STK	Pennaco Energy, Inc.	Rourke 5-8-48-71	305	343.00	11/22/1999
P121313.0W	48	71	05	SWSW	Complete	CBM; STK	Pennaco Energy, Inc.	Rourke Gap 13-5-48-71	254	312.00	11/22/1999
P121315.0W	48	71	05	SWNW	Complete	CBM; STK	Pennaco Energy, Inc.	Rourke Gap 5-5-48-71	289	315.00	11/22/1999
P121317.0W	48	71	06	NESE	Complete	CBM; STK	Pennaco Energy, Inc.	Rourke Gap 9-6-48-71	322	336.00	11/22/1999
P121322.0W	48	71	06	NENE	Complete	CBM; STK	Pennaco Energy, Inc.	Rourke Gap 1-6-48-71	302	330.00	11/22/1999
P122111.0W	48	71	20	SESE	Complete	MON	CONTURA COAL WEST LLC	P584372	230	282.00	01/21/2000
P122112.0W	48	71	20	SESE	Complete	MON	CONTURA COAL WEST LLC	P584369	157.8	297.00	01/24/2000
P122113.0W	48	71	20	SESE	Complete	MON	CONTURA COAL WEST LLC	P581375	122.6	270.00	01/21/2000
P122114.0W	48	71	20	SESE	Complete	MON	CONTURA COAL WEST LLC	P581369	118.46	265.00	01/21/2000
P122115.0W	48	71	20	SESE	Complete	MON	CONTURA COAL WEST LLC	P577375	125.9	320.00	01/21/2000
P122116.0W	48	71	20		Complete	MON	CONTURA COAL WEST LLC	P577372	109.67	247.00	01/21/2000
P122118.0W	48	71	20	SESE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P574375	110.8	249.00	01/21/2000
P122121.0W	48	71	29	SESE	Complete	MON	CONTURA COAL WEST LLC	P571375	101.3	243.00	01/21/2000
P122124.0W	48	71	29	NENE	Complete	MON	CONTURA COAL WEST LLC	P568375	120	238.00	01/21/2000
P122127.0W	48	71	20	SESE	Complete	MON	CONTURA COAL WEST LLC	P584365	123.8	343.00	01/21/2000
P122128.0W	48	71	20	SESE	Complete	MON	CONTURA COAL WEST LLC	P581365	104.8	314.00	01/21/2000
P122130.0W	48	71	20	SWSE	Complete	MON	CONTURA COAL WEST LLC	P584362	96	322.00	01/21/2000
P122131.0W	48	71	20	SWSE	Complete	MON	CONTURA COAL WEST LLC	P581362	149.3	275.00	01/21/2000
P122133.0W	48	71	20	SWSE	Complete	MON	CONTURA COAL WEST LLC	P584359	137.3	339.50	01/21/2000
P122136.0W	48	71	20	SWSE	Complete	MON	CONTURA COAL WEST LLC	P584355	193.9	370.00	01/21/2000
P122139.0W	48	71	20	SWSE	Complete	MON	CONTURA COAL WEST LLC	P584352	121.7	351.00	01/21/2000
P122144.0W	48	71	20	SESW	Complete	MON	CONTURA COAL WEST LLC	P584346	179.9	377.00	01/21/2000
P122147.0W	48	71	20	SESW	Complete	MON	CONTURA COAL WEST LLC	P584342	204	405.00	01/21/2000
P122175.0W	48	71	19	SESE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P577316	224.6	426.00	01/21/2000
P122176.0W	48	71	19	SWSE	Complete	MON	CONTURA COAL WEST LLC	P581309	226	390.00	01/21/2000
P122178.0W	48	71	19	SWSE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P574309	221.9	430.00	01/21/2000
P122182.0W	48	71	19	SWSE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P571306	181.6	430.00	01/21/2000

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P122184.0W	48	71	19	SWSE	Complete	MON	CONTURA COAL WEST LLC	P581303	175.4	418.00	01/21/2000
P122186.0W	48	71	19	SWSE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P574303	195.6	422.00	01/21/2000
P122190.0W	48	71	19	SWSE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P571299	158.7	395.00	01/21/2000
P122196.0W	48	71	19	SESW	Complete	MON	CONTURA COAL WEST LLC	P577293	99.5	373.00	01/21/2000
P122563.0W	48	71	30	SWNW	Complete	MON	CONTURA COAL WEST LLC	P551273	137	370.00	01/26/2000
P124265.0W	48	71	18	NWNW	Complete	CBM	PEABODY CABALLO MINING LLC	Rourke Federal #11- 18	61	551.00	03/23/2000
P124266.0W	48	71	18	NENW	Complete	CBM	PEABODY CABALLO MINING LLC	Rourke Federal #21- 18	66	515.00	03/23/2000
P124267.0W	48	71	18	NWNE	Complete	CBM	PEABODY CABALLO MINING LLC	Rourke Federal #31- 18	54	552.00	03/23/2000
P127503.0W	48	71	20	SWSW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P574326	196.6	420.00	08/03/2000
P127504.0W	48	71	20	SWSW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P574329	216.5	425.00	08/03/2000
P127505.0W	48	71	20	SWSW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P574332	227	435.00	08/03/2000
P127506.0W	48	71	20	SWSW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P574336	213.3	420.00	08/03/2000
P127507.0W	48	71	20	SESW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P574339	238.2	437.00	08/03/2000
P127508.0W	48	71	20	SESW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P574342	242.9	465.00	08/03/2000
P127509.0W	48	71	20	SESW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P574346	245.1	467.00	08/03/2000
P127510.0W	48	71	20	SESW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P574349	213.1	446.00	08/03/2000
P127511.0W	48	71	19	SESE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P571313	204.4	425.00	08/03/2000
P127512.0W	48	71	19	SESE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P571319	211.4	418.00	08/03/2000
P127513.0W	48	71	20	SWSW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P571326	227.9	413.00	08/03/2000
P127518.0W	48	71	19	SESE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P574313	188.1	430.00	08/03/2000
P127519.0W	48	71	19	SESE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P574316	215.8	427.00	08/03/2000
P127520.0W	48	71	19	SESE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P574319	202.7	415.00	08/03/2000

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P127521.0W	48	71	19	SESE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P574322	212.8	413.00	08/03/2000
P128967.0W	48	71	30	NENW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	P564293	132.8	357.00	08/31/2000
P130089.0W	48	71	07	NWNE	Complete	STK	PAUL D. ROURKE	TISDALE #1	15	240.00	10/19/2000
P130451.0W	48	71	19	NENW	Complete	CBM	RMG I, LLC	DUNLAP 19-21-48-71-A	23	379.00	10/25/2000
P130452.0W	48	71	19	NWNW	Complete	CBM	RMG I, LLC	DUNLAP 19-11-48-71-A	28	369.00	10/25/2000
P130703.0W	48	71	31	NWNW	Complete	CBM	RMG I, LLC	RAG 31-11-48-71-A	60	351.00	11/03/2000
P130704.0W	48	71	31	SWNW	Complete	CBM	RMG I, LLC	RAG 31-12-48-71-A	69	321.00	11/03/2000
P131233.0W	48	71	05	NESW	Complete	CBM	Pennaco Energy, Inc.	ROURKE FEDERAL #11-5-48-71A	283	312.00	11/30/2000
P131555.0W	48	71	30	NENW	Complete	CBM	RMG I, LLC	ENL R.A.G. 30-21	92	352.00	12/13/2000
P131556.0W	48	71	30	SESW	Complete	CBM	RMG I, LLC	ENL R.A.G. 30-22	69	379.00	12/13/2000
P131557.0W	48	71	30	NESW	Complete	CBM	RMG I, LLC	ENL R.A.G. 30-23	58	359.00	12/13/2000
P131558.0W	48	71	30	SESW	Complete	CBM	RMG I, LLC	ENL R.A.G. 30-24	79	334.00	12/13/2000
P142587.0W	48	71	17	NESW	Complete	CBM	BLACKSTONE OPERATING, INC	CABALLO 23-17	293	368.00	01/31/2002
P142588.0W	48	71	17	NESE	Complete	CBM	BLACKSTONE OPERATING, INC	CABALLO 43-17	223	275.00	01/31/2002
P142589.0W	48	71	17	SWSE	Complete	CBM	BLACKSTONE OPERATING, INC	CABALLO 34-17	294	374.00	01/31/2002
P142591.0W	48	71	17	NENW	Complete	CBM	CONTINENTAL INDUSTRIES, LC	CABALLO 21-17	242	316.00	01/31/2002
P142592.0W	48	71	17	SWNW	Complete	CBM	CONTINENTAL INDUSTRIES, LC	CABALLO 12-17	338	422.00	01/31/2002
P142593.0W	48	71	20	NENW	Complete	CBM	CONTINENTAL INDUSTRIES, LC	CABALLO 21-20	332	412.00	01/31/2002
P142594.0W	48	71	20	SWNE	Complete	CBM	CONTINENTAL INDUSTRIES, LC	CABALLO 32-20	321	394.00	01/31/2002
P142595.0W	48	71	20	NENE	Complete	CBM	CONTINENTAL INDUSTRIES, LC	CABALLO 41-20	311	388.00	01/31/2002
P142602.0W	48	71	21	NENW	Complete	CBM	BLACKSTONE OPERATING, INC	CABALLO 21-21	228	323.00	01/31/2002
P142603.0W	48	71	21	SWNW	Complete	CBM	BLACKSTONE OPERATING, INC	CABALLO 21-12	294	362.00	01/31/2002
P142606.0W	48	71	16	NENW	Complete	CBM	Wyo State Board of Land Commissioners	CABALLO 16-21	230	289.00	01/31/2002
P142607.0W	48	71	16	SWNW	Complete	CBM	Wyo State Board of Land Commissioners	CABALLO 16-12	202	294.00	01/31/2002
P14368.0P	48	71	13	SWSE	Complete	DOM GW, STK	T. W. & HERMA L CZAPLA	HOMESTEAD SPRING #1	4	6.00	12/21/1919
P152716.0W	48	71	16	SWNW	Complete	CBM	BLACKSTONE OPERATING, INC	Enl. Caballo 16-12	202	294.00	06/30/2003
P152717.0W	48	71	16	NENW	Complete	CBM	BLACKSTONE OPERATING, INC	Enl. Caballo 16-21	230	289.00	06/30/2003
P152768.0W	48	71	21	NENW	Complete	CBM	BLACKSTONE OPERATING, INC	ENL CABALLO 21-21	228	323.00	06/30/2003
P162280.0W	48	71	27	SWSW	Complete	MIS	CONTURA COAL WEST LLC	BELLE AYR #5	1090	4070.00	08/30/2004

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P162676.0W	48	71	15	SESE	Complete	MON	PEABODY CABALLO MINING LLC	CA-1696-B	240	240.00	09/21/2004
P162715.0W	48	71	07	SWSW	Complete	DOM_GW	BOB AND CRYSTAL JOHNSON	SINCLAIR #1	450	1022.00	09/24/2004
P168045.0W	48	71	09	SWNE	Complete	MIS	PEABODY CABALLO MINING LLC	CA-2005-DWD (8 WELLS)			05/19/2005
P169457.0W	48	71	07	SWNW	Complete	DOM GW	KENNETH AND ANGELA BERTALOT	BERTALOT #2			08/15/2005
P16957.0P	48	71	25	NWNW	Complete	DOM GW; STK	JAMES H. CASSIDY	CASSIDY #1	20	75.00	12/31/1946
P16958.0P	48	71	25	NWNW	Complete	STK	JAMES H. CASSIDY	CASSIDY #2	15	105.00	03/31/1962
P16959.0P	48	71	03	SENE	Complete	STK	CONTURA COAL WEST LLC	CASSIDY #3	150	300.00	12/31/1939
P16960.0P	48	71	09	NWSW	Complete	STK	Foundation Wyoming Land Co.	CASSIDY #4	150	300.00	12/31/1939
P16961.0P	48	71	05	NESW	Complete	STK	JAMES H. CASSIDY	CASSIDY #5	160	300.00	12/31/1939
P173793.0W	48	71	04	NESW	Complete	MIS	PEABODY CABALLO MINING LLC	CA-1995-DW	50	120.00	03/23/2006
P173794.0W	48	71	04	SWSW	Complete	MIS	PEABODY CABALLO MINING LLC	CA-1899-DW	86	180.00	03/23/2006
P173795.0W	48	71	04	SESW	Complete	MIS	PEABODY CABALLO MINING LLC	CA-1983-DW	82	240.00	03/23/2006
P173796.0W	48	71	04	SWSE	Complete	MIS	PEABODY CABALLO MINING LLC	CA-1992-DW	57	200.00	03/23/2006
P173803.0W	48	71	08	SENE	Complete	MIS	PEABODY CABALLO MINING LLC	CA-1856-DW	75	245.00	03/23/2006
P177079.0W	48	71	17	NENW	Complete	CBM	WYTEX VENTURES, LLC	CABALLO 21-17-48-71 M	323	6995.00	08/28/2006
P177080.0W	48	71	17	NESW	Complete	CBM	PRB OIL & GAS INC	CABALLO 23-17-48-71 M	293	1072.00	08/28/2006
P177081.0W	48	71	17	SWNW	Complete	CBM	PRB OIL & GAS INC	CABALLO 12-17-48-71 M	231	1076.00	08/28/2006
P177084.0W	48	71	08	SWSE	Complete	CBM	PRB OIL & GAS INC	CABALLO 34-8-48-71 M	296	953.00	08/28/2006
P177898.0W	48	71	17	NESE	Complete	CBM	WYTEX VENTURES, LLC	CABALLO 43-17-48-71 M	289	995.00	10/12/2006
P177899.0W	48	71	17	SWNE	Complete	CBM	WYTEX VENTURES, LLC	CABALLO 32-17-48-71 M	314	980.00	10/12/2006
P18096.0P	48	71	21	NWNE	Complete	STK	EILEEN MITCHUM	FOLEY #1	30	60.00	12/31/1916
P18097.0P	48	71	21	SWNE	Complete	STK	JOE FOLEY	FOLEY #2	105	130.00	12/31/1946
P181384.0W	48	71	07	NWNW	Complete	DOM GW; STK	KENNETH AND ANGELA BERTALOT	SMITH 4-7-48-71A	108	315.00	03/28/2007
P18139.0P	48	71	11	NWSW	Complete	STK	MELVIN D. & ETHEL L. CLARK	HOUSE #1	100	170.00	12/31/1957
P18140.0P	48	71	11	NWSW	Complete	DOM GW	MELVIN D. & ETHEL L. CLARK	HOUSE #2	100	170.00	12/31/1956
P18141.0P	48	71	11	SWSW	Complete	STK	MELVIN D. & ETHEL L. CLARK	ORIGINAL #3	20	30.00	12/31/1920
P18142.0P	48	71	09	SWSW	Complete	STK	ALPHA COAL WEST INC	FERGUSON #4	-1	80.00	12/31/1952
P18143.0P	48	71	02	SWSE	Complete	STK	MELVIN D. & ETHEL L. CLARK	HUGHES #5	200	225.00	12/31/1953
P1815.0W	48	71	12	SWNW	Complete	DOM GW	T. W. & HERMA L. CZAPLA	CZAPLA #1 (DEEPENED)	220	560.00	01/27/1967

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P181651.0W	48	71	06	NWSW	Complete	DOM GW; STK	GARY D. AND PATTY MILLER	ROBBINS 12- 6-48-71	100	338.00	05/24/2007
P1816.0W	48	71	12	SWNW	Complete	DOM GW; STK	T. W. & HERMA L. CZAPLA	CZAPLA #2	125	270.00	01/27/1967
P181804.0W	48	71	20	NENE	Complete	MON	PEABODY CABALLO MINING LLC	CA-2183-0	139	320.00	06/26/2007
P181805.0W	48	71	22	NWNW	Complete	MON	PEABODY CABALLO MINING LLC	CA-2233-B	170	170.00	06/26/2007
P181806.0W	48	71	28	NWNE	Complete	MON	PEABODY CABALLO MINING LLC	CA-2234-B	200	200.00	06/26/2007
P18773.0P	48	71	15	NENE	Complete	STK	MORRIS A. CLARK	CLARK #1	80	165.00	12/31/1945
P18774.0P	48	71	02	NESE	Complete	DOM GW; STK	MORRIS A. CLARK	CLARK #2	50	110.00	12/31/1951
P23436.0P	48	71	19	SENE	Complete	STK	CONTURA COAL WEST LLC	DUNLAP #2	-1	250.00	07/26/1973
P28296.0W	48	71	06	NWSE	Complete	IND_GW	W. A. MONCRIEF	ROURKE #9	0	4480.00	10/03/1974
P29416.0W	48	71	26	SWSE	Complete	MIS	CONTURA COAL WEST LLC	SCORIA HOLE #1	-1	15.00	03/11/1974
P30008.0W	48	71	24	NWSW	Fully Adjudicated	MIS	Carter Oil Co.	CABALLO #1	230	1605.00	04/07/1975
P30024.0W	48	71	28	NWNW	Complete	MON	CONTURA COAL WEST LLC	N 11	85	207.00	05/30/1975
P30034.0W	48	71	35	SENE	Complete	MON	CONTURA COAL WEST LLC	WRRI 9	9	20.00	05/30/1975
P30276.0W	48	71	34	NENE	Fully Adjudicated	IND GW; MIS	MEADOWLARK FARMS INC	BELLE AYR #2	200	1100.00	08/28/1974
P30731.0W	48	71	26	SWSE	Complete	IRR_GW	CONTURA COAL WEST LLC	ENL SCORIA HOLE #1	-1	15.00	07/10/1975
P31896.0W	48	71	11	NWNW	Complete	MON	Carter Oil Co.	CABALLO OW-8	27	240.00	02/24/1975
P32015.0W	48	71	28	NWNE	Complete	MON	Carter Oil Co.	CABALLO OW-2	190	325.00	10/30/1975
P32018.0W	48	71	12	NENW	Complete	MON	Carter Oil Co.	CABALLO OW-5	21	202.00	10/30/1975
P32023.0W	48	71	14	SWSW	Complete	MON	Carter Oil Co.	CABALLO PT- A-2	9	168.00	10/30/1975
P32031.0W	48	71	24	SWNE	Complete	MON	PEABODY CABALLO MINING LLC	CABALLO OW-FEE 2	57	86.00	11/18/1975
P32032.0W	48	71	24	SENE	Complete	MON	PEABODY CABALLO MINING LLC	CABALLO OW-FEE 3	48	116.00	11/18/1975
P32036.0W	48	71	24	SESW	Complete	MON	PEABODY CABALLO MINING LLC	CABALLO OW-FEE 7	9	62.00	11/18/1975
P32049.0W	48	71	24	SESW	Complete	MON	PEABODY CABALLO MINING LLC	CABALLO PT- FEE B-1	19	72.00	11/18/1975
P32050.0W	48	71	24	SWSW	Complete	MON	PEABODY CABALLO MINING LLC	CABALLO PT- FEE B-2	19	70.00	11/18/1975
P32051.0W	48	71	24	SESW	Complete	MON	PEABODY CABALLO MINING LLC	CABALLO PT- FEE B-3	19	67.00	11/18/1975
P32517.0W	48	71	13	NWSW	Complete	DOM GW; STK	Carter Oil Co.	TCOC #101	37	196.00	03/17/1976
P32695.0W	48	71	02	NESW	Complete	DOM GW; STK	OLEN C. GREER	GREER #6	185	304.00	04/12/1976

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P33493.0W	48	71	26	SWSE	Complete	IND_GW; MIS	CONTURA COAL WEST LLC	2ND ENL SCORIA HOLE #1	4	15.00	05/24/1976
P33980.0W	48	71	26	SESE	Complete	DOM_GW	CONTURA COAL WEST LLC	TRAILER WELL #1	5	612.00	06/22/1976
P35467.0W	48	71	26	NESE	Complete	MON	CONTURA COAL WEST LLC	BAS 17H	9.4	20.00	10/01/1976
P3582.0W	48	71	17	NENE	Complete	DOM_GW; STK	CONTURA COAL WEST LLC	RAY #1	110	276.00	11/17/1969
P36441.0W	48	71	34	NENE	Fully Adjudicated	IND_GW; MIS	Foundation Coal West, Inc.	PLANT #2	205	1230.00	12/17/1976
P39585.0W	48	71	15	SWNE	Complete	MON	PEABODY CABALLO MINING LLC	C-OW-1	95	190.00	08/15/1977
P42088.0W	48	71	35	SENE	Complete	MON	CONTURA COAL WEST LLC	BAS 17 A	17	20.00	12/20/1977
P42089.0W	48	71	35	NENE	Complete	MON	CONTURA COAL WEST LLC	BAS 17 B	18	20.00	12/20/1977
P42090.0W	48	71	35	NWNE	Complete	MON	CONTURA COAL WEST LLC	BAS 17 C	14	14.00	12/20/1977
P42091.0W	48	71	35	NWNE	Complete	MON	CONTURA COAL WEST LLC	BAS 17 D	14	14.00	12/20/1977
P42092.0W	48	71	35	NENE	Complete	MON	CONTURA COAL WEST LLC	BAS 17 E	18	20.00	12/20/1977
P42093.0W	48	71	26	SWSE	Complete	MON	CONTURA COAL WEST LLC	BAS 17 F	18	18.00	12/20/1977
P43545.0W	48	71	27	NESE	Complete	MON	CONTURA COAL WEST LLC	RW 2701	-1	213.00	05/22/1978
P43547.0W	48	71	27	NESE	Complete	MON	CONTURA COAL WEST LLC	RW 2703	-1	213.00	05/22/1978
P43548.0W	48	71	27	NESE	Complete	MON	CONTURA COAL WEST LLC	RW 2704	-1	213.00	05/22/1978
P44518.0W	48	71	20	NENE	Complete	STK	CONTURA COAL WEST LLC	ROBB #3	54	320.00	08/04/1978
P47801.0W	48	71	04	SESE	Complete	MON	PEABODY CABALLO MINING LLC	ELMORE AMAX #1	138.6	240.00	04/18/1979
P47803.0W	48	71	05	NWNW	Complete	MON	PEABODY CABALLO MINING LLC	ROURKE AMAX #2	186.73	370.00	04/18/1979
P49748.0W	48	71	25	SWNW	Complete	MON	PEABODY CABALLO MINING LLC	CA481	7.28	8.00	08/31/1979
P49749.0W	48	71	25	SENW	Complete	MON	PEABODY CABALLO MINING LLC	CA482	4.92	8.00	08/31/1979
P51362.0W	48	71	34	NENE	Fully Adjudicated	IND_GW; MIS	Foundation Coal West, Inc.	1ST ENL BELLE AYR #2	247.6	1100.00	02/28/1980
P51532.0W	48	71	12	NWNE	Complete	MON	PEABODY CABALLO MINING LLC	CAVW-13	4.92	9.60	01/09/1980
P51534.0W	48	71	12	NENW	Complete	MON	PEABODY CABALLO MINING LLC	CAVW-15	3.48	10.00	01/09/1980
P51535.0W	48	71	12	NWNE	Complete	MON	PEABODY CABALLO MINING LLC	CAVW-16	10.1	12.90	01/09/1980
P51536.0W	48	71	12	SWNE	Complete	MON	PEABODY CABALLO MINING LLC	CAVW-17	5.51	9.80	01/09/1980

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P51537.0W	48	71	12	NWSE	Complete	MON	PEABODY CABALLO MINING LLC	CAVW-18	7.04	12.70	01/09/1980
P51538.0W	48	71	12	SWSE	Complete	MON	PEABODY CABALLO MINING LLC	CAVW-19	4.21	12.50	01/09/1980
P51539.0W	48	71	12	SWSE	Complete	MON	PEABODY CABALLO MINING LLC	CAVW-20	5.78	11.50	01/09/1980
P51540.0W	48	71	13	NENW	Complete	MON	PEABODY CABALLO MINING LLC	CAVW-21	12.82	20.40	01/09/1980
P51541.0W	48	71	13	SENW	Complete	MON	PEABODY CABALLO MINING LLC	CAVW-22	3.81	17.50	01/09/1980
P51542.0W	48	71	13	NESW	Complete	MON	PEABODY CABALLO MINING LLC	CAVW-23	3.82	13.00	01/09/1980
P51543.0W	48	71	13	SWSE	Complete	MON	PEABODY CABALLO MINING LLC	CAVW-24	8.51	13.20	01/09/1980
P51544.0W	48	71	24	NWNE	Complete	MON	PEABODY CABALLO MINING LLC	CAVW-25	2.33	16.50	01/09/1980
P51545.0W	48	71	24	NWNE	Complete	MON	PEABODY CABALLO MINING LLC	CAVW-26	3.09	17.00	01/09/1980
P51546.0W	48	71	25	NWNE	Complete	MON	PEABODY CABALLO MINING LLC	CAVW-27	4.98	15.00	01/09/1980
P51568.0W	48	71	06	NWNW	Complete	MON	Foundation Coal West, Inc.	A1	20	322.00	03/24/1980
P52424.0W	48	71	27	NESW	Complete	MON	CONTURA COAL WEST LLC	RW 2705	0	147.30	06/10/1980
P52425.0W	48	71	34	NENW	Complete	MON	CONTURA COAL WEST LLC	RW 3401	0	128.50	06/10/1980
P52571.0W	48	71	03	SESE	Complete	DOM GW, STK	PEABODY CABALLO MINING LLC	487103-1	94	295.00	06/09/1980
P52983.0W	48	71	28	SWNE	Complete	MIS	Foundation Coal West, Inc. /BELLE AYR MINE	A 320 FP	80	132.00	07/11/1980
P53714.0W	48	71	06	NENE	Complete	MON	PEABODY CABALLO MINING LLC	AW 1	5.04	30.00	08/05/1980
P53715.0W	48	71	05	NWSW	Complete	MON	PEABODY CABALLO MINING LLC	AW 2	4.75	43.00	08/05/1980
P53719.0W	48	71	07	SWNE	Complete	MON	PEABODY CABALLO MINING LLC	AW 7	7.43	18.00	08/05/1980
P53721.0W	48	71	06	SWNE	Complete	MON	PEABODY CABALLO MINING LLC	AW 9	6.6	12.00	08/05/1980
P53722.0W	48	71	03	NWNE	Complete	MON	PEABODY CABALLO MINING LLC	AW 10	5.1	19.00	08/05/1980
P53723.0W	48	71	03	SWSE	Complete	MON	PEABODY CABALLO MINING LLC	AW 11	8.08	19.46	08/05/1980
P53727.0W	48	71	03	SWSW	Complete	MON	PEABODY CABALLO MINING LLC	AW 15	5.92	19.00	08/05/1980

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P53730.0W	48	71	04	NESE	Complete	MON	PEABODY CABALLO MINING LLC	AW 18	8.83	60.00	08/05/1980
P53733.0W	48	71	03	SESE	Complete	MON	PEABODY CABALLO MINING LLC	RA80 1MA	151.33	240.00	08/05/1980
P53734.0W	48	71	04	NWNW	Complete	MON	PEABODY CABALLO MINING LLC	RA80 3M	176.39	260.00	08/05/1980
P53736.0W	48	71	04	NWNW	Complete	MON	PEABODY CABALLO MINING LLC	RA80 3MB	176.98	280.00	08/05/1980
P53739.0W	48	71	05	SWSE	Complete	MON	PEABODY CABALLO MINING LLC	RA80 5M	142.33	340.00	08/05/1980
P53740.0W	48	71	06	NWSE	Complete	MON	PEABODY CABALLO MINING LLC	RA80 6M	110.08	400.00	08/05/1980
P5509.0P	48	71	26	SWSW	Complete	STK	CONTURA COAL WEST LLC	HAMER #1	9	10.00	12/31/1922
P5511.0P	48	71	28	NWSE	Complete	STK	CONTURA COAL WEST LLC	EARL #2	40	130.00	04/13/1951
P5515.0P	48	71	34	NWSW	Complete	STK	CONTURA COAL WEST LLC	CLABAUGH #4	30	114.00	08/26/1984
P55446.0W	48	71	29	SESE	Complete	MIS	Foundation Coal West, Inc.	1ST ENL BELLE AYR SOUTH PIT	80	150.00	07/31/1980
P55984.0W	48	71	27	SWSW	Complete	MON	CONTURA COAL WEST LLC	RW 2706	79	79.00	02/26/1981
P55985.0W	48	71	28	NESE	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	RW 2801	-1	190.00	02/26/1981
P55988.0W	48	71	34	NENW	Complete	MON	CONTURA COAL WEST LLC	RW 3402	-7	13.00	02/26/1981
P55989.0W	48	71	34	NWNW	Complete	MON	CONTURA COAL WEST LLC	RW 3403	-7	16.00	02/26/1981
P57177.0W	48	71	35	SENE	Complete	STK	CONTURA COAL WEST LLC	B161PD	18.3	80.00	06/08/1981
P57957.0W	48	71	03	NWNW	Complete	STK	ELMORE LIVESTOCK COMPANY	EL-SOUTH #1	5	20.00	08/27/1981
P57958.0W	48	71	03	NESW	Complete	STK	ELMORE LIVESTOCK COMPANY	ELSOUTH #2	120	260.00	08/27/1981
P59294.0W	48	71	33	NENE	Complete	MON	CONTURA COAL WEST LLC	RW 3406	-7	17.00	12/24/1981
P59814.0W	48	71	24	NWSW	Complete	MON	PEABODY CABALLO MINING LLC	CA 649	20.62	25.00	12/21/1981
P62802.0W	48	71	35	SWNW	Complete	MON	CONTURA COAL WEST LLC	B110HC	39.44	50.00	12/07/1982
P63085.0W	48	71	24	NWSW	Complete	MON	PEABODY CABALLO MINING LLC	CA-723 (RAW-2)	23	27.00	01/31/1983
P63086.0W	48	71	24	NWSW	Complete	MON	PEABODY CABALLO MINING LLC	CA-724 (RAW-3)	16	32.00	01/31/1983
P63248.0W	48	71	30	NWNW	Complete	MON	CONTURA COAL WEST LLC	A401Y	68.9	315.00	02/22/1983
P64613.0W	48	71	04	NWNW	Complete	MON	PEABODY CABALLO MINING LLC	83 4 5U	260	303.00	07/05/1983

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P64614.0W	48	71	04	NWNE	Complete	MON	Caballo Coal Company	83 4 1U	150	290.00	07/05/1983
P64617.0W	48	71	03	SWNE	Complete	MON	PEABODY CABALLO MINING LLC	83 3 3C	250	260.00	07/05/1983
P64911.0W	48	71	13	NWSW	Complete	MON	PEABODY CABALLO MINING LLC	CA 725-0	17.9	74.00	07/11/1983
P64912.0W	48	71	13	NWNE	Complete	MON	PEABODY CABALLO MINING LLC	CA 726-0	54.2	94.00	07/11/1983
P64916.0W	48	71	10	NENW	Complete	MON	PEABODY CABALLO MINING LLC	CA 728-C	121	205.00	07/11/1983
P65552.0W	48	71	24	NWSW	Complete	MON	PEABODY CABALLO MINING LLC	CA 758	35.2	68.00	09/27/1983
P65553.0W	48	71	24	NWSW	Complete	MON	PEABODY CABALLO MINING LLC	CA 759	38.8	46.00	09/27/1983
P65554.0W	48	71	24	NWSW	Complete	MON	PEABODY CABALLO MINING LLC	CA 760	19.8	51.00	09/27/1983
P65807.0W	48	71	06	SWNW	Complete	DOM_GW, STK	KIRK & TERESA BLACKFORD	K BLACKFORD #1	260	780.00	10/26/1983
P65873.0W	48	71	34	SWNE	Complete	MON	CONTURA COAL WEST LLC	RW 3407	114.97	160.00	10/31/1983
P65874.0W	48	71	26	SWSE	Complete	MIS	CONTURA COAL WEST LLC	3RD ENL SCORIA HOLE #1	-1	15.00	05/25/1983
P65899.0W	48	71	06	SWSW	Complete	DOM_GW, STK	WAYNE KRUSE	MANOUS #1	300	790.00	07/29/1983
P66042.0W	48	71	26	SESE	Complete	STK	CONTURA COAL WEST LLC	BAS20S	38	50.00	12/06/1983
P66234.0W	48	71	03	NENW	Complete	MON	PEABODY CABALLO MINING LLC	83 3 11SW	9	10.00	01/06/1984
P66235.0W	48	71	03	NENW	Complete	MON	PEABODY CABALLO MINING LLC	83 3 12SW	14	16.00	01/06/1984
P66236.0W	48	71	03	SENW	Complete	MON	PEABODY CABALLO MINING LLC	83 3 13SW	16	18.00	01/06/1984
P66237.0W	48	71	03	SENW	Complete	MON	PEABODY CABALLO MINING LLC	83 3 14SW	7	7.50	01/06/1984
P66584.0W	48	71	13	SESW	Complete	MON	THE CARTER MINING COMPANY	CA 788-QAL	6.5	15.00	03/05/1984
P66585.0W	48	71	13	SESW	Complete	MON	THE CARTER MINING COMPANY	CA 789-QAL	6	15.00	03/05/1984
P66586.0W	48	71	13	SENW	Complete	MON	THE CARTER MINING COMPANY	CA 790-QAL	3	15.00	03/05/1984
P66587.0W	48	71	13	SENW	Complete	MON	PEABODY CABALLO MINING LLC	CA 791-QAL	4.5	20.00	03/05/1984
P66588.0W	48	71	13	NENW	Complete	MON	PEABODY CABALLO MINING LLC	CA 792-QAL	8.5	16.00	03/05/1984
P66589.0W	48	71	13	SWNE	Complete	MON	THE CARTER MINING COMPANY	CA 793-C	44.3	61.00	03/05/1984
P66590.0W	48	71	13	NWSE	Complete	MON	PEABODY CABALLO MINING LLC	CA 794-0	21.2	53.00	03/05/1984

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P66591.0W	48	71	13	SENE	Complete	MON	PEABODY CABALLO MINING LLC	CA 795-CL	82.8	100.00	03/05/1984
P66592.0W	48	71	13	SESE	Complete	MON	PEABODY CABALLO MINING LLC	CA 796-CL	82.7	85.00	03/05/1984
P66593.0W	48	71	13	SESE	Complete	MON	PEABODY CABALLO MINING LLC	CA 797-CL	128.6	135.00	03/05/1984
P66595.0W	48	71	13	NWNW	Complete	MON	PEABODY CABALLO MINING LLC	CA 799-0	64.9	121.00	03/05/1984
P66661.0W	48	71	24	NWSW	Complete	MON	PEABODY CABALLO MINING LLC	CA-800-B	37	45.00	03/16/1984
P66662.0W	48	71	24	NWSW	Complete	MON	PEABODY CABALLO MINING LLC	CA-801-B	35	50.00	03/16/1984
P66663.0W	48	71	07	SWNW	Complete	DOM_GW	STEVEN E. & DEBORA R. JOHNSON	JOHNSON #1	120	310.00	03/20/1984
P66763.0W	48	71	34	NESE	Complete	MON	CONTURA COAL WEST LLC	B57EG	110.7	120.00	04/03/1984
P66765.0W	48	71	35	NWSW	Complete	MON	CONTURA COAL WEST LLC	B59FJ	140.7	144.00	04/03/1984
P66767.0W	48	71	35	SWNW	Complete	MON	CONTURA COAL WEST LLC	B110ZC	86	87.20	04/03/1984
P67614.0W	48	71	13	NESW	Complete	MON	PEABODY CABALLO MINING LLC	CA-802-QAL	8.9	20.00	06/11/1984
P67809.0W	48	71	07	NWSW	Complete	DOM GW	KENNETH K. & ANGELA M. BERTALOT	BERTALOT #1	100	200.00	06/27/1984
P67924.0W	48	71	24	NWSW	Complete	MON	PEABODY CABALLO MINING LLC	CA-803-B	14.2	25.90	07/16/1984
P68986.0W	48	71	19	SWSW	Complete	STK	CONTURA COAL WEST LLC	A401	172	391.00	11/05/1984
P69168.0W	48	71	04	NESW	Complete	STK	ELMORE LIVESTOCK COMPANY	EL SOUTH #5	70	160.00	12/27/1984
P69371.0W	48	71	33	SENE	Complete	MON	CONTURA COAL WEST LLC	RW3304	77.4	155.00	02/11/1985
P69372.0W	48	71	28	NESW	Complete	MON	Foundation Coal West, Inc./BELLE AYR MINE	RW2803	132.65	250.60	02/11/1985
P70216.0W	48	71	27	SWSW	Complete	MON	CONTURA COAL WEST LLC	RW2707	-7	75.00	05/20/1985
P70603.0W	48	71	26	NWNE	Complete	MIS	PEABODY CABALLO MINING LLC	CABALLO DW#4	54.2	102.00	05/28/1985
P70703.0W	48	71	06	NWNW	Complete	DOM_GW	GENE & DELORES ALBERY	EDWARDS #1 (DEEPENED)	540	932.00	07/24/1985
P71298.0W	48	71	14	SESE	Complete	MON	PEABODY CABALLO MINING LLC	CA-824-B	108	108.00	10/18/1985
P71675.0W	48	71	30	SENE	Complete	MON	Foundation Coal West, Inc.	AV6 1	11.24	17.50	12/30/1985
P71676.0W	48	71	30	SENE	Complete	MON	Foundation Coal West, Inc.	AV6 2	10.49	20.00	12/30/1985
P71677.0W	48	71	30	SENE	Complete	MON	Foundation Coal West, Inc.	AV6 3	11.4	20.00	12/30/1985

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P71719.0W	48	71	23	NESE	Complete	MIS	PEABODY CABALLO MINING LLC	ENL DW#2	62	123.00	06/13/1985
P73594.0W	48	71	28	SESE	Complete	MON	CONTURA COAL WEST LLC	RW2804	-1	117.50	11/03/1986
P73898.0W	48	71	22	NWNW	Complete	MIS	PEABODY CABALLO MINING LLC	ENL CABALLO PIT SUMP #2	2	20.00	01/21/1987
P75735.0W	48	71	26	NESW	Complete	MIS	Caballo Coal Co.	CABALLO PIT SUMP #4	28	30.00	09/28/1987
P76543.0W	48	71	16	SWNE	Complete	MIS	PEABODY CABALLO MINING LLC	CABALLO PIT SUMP #7	8	30.00	04/07/1988
P78549.0W	48	71	30	NWNE	Complete	STK	PEABODY CABALLO MINING LLC	CA-314-CL	33	100.00	11/23/1988
P78550.0W	48	71	21	NWNE	Complete	STK	CHUCK ROURKE	ROURKE STOCK WELL (NWNE SECTION 21)	240	325.00	11/23/1988
P79166.0W	48	71	14	NESE	Complete	MON	PEABODY CABALLO MINING LLC	CA 967 B	103	133.00	02/28/1989
P79168.0W	48	71	14	NENW	Complete	MON	PEABODY CABALLO MINING LLC	CA 969 B	104	141.00	02/28/1989
P79300.0W	48	71	08	NWSW	Complete	MON	PEABODY CABALLO MINING LLC	CA 964 S	107.65	340.00	03/29/1989
P80423.0W	48	71	18	NWSE	Complete	MON	PEABODY CABALLO MINING LLC	CA 965 S	208.35	440.00	08/07/1989
P80424.0W	48	71	02	NENW	Complete	MON	PEABODY CABALLO MINING LLC	CA 966 S	250.53	278.00	08/07/1989
P81322.0W	48	71	32	SWNE	Complete	MIS	CONTURA COAL WEST LLC	RELOCATED NORTH PIT RESERVOIR #1	215	260.00	08/29/1989
P81451.0W	48	71	15	NESW	Complete	MIS	PEABODY CABALLO MINING LLC	CABALLO PIT SUMP #5	30	40.00	11/15/1989
P81592.0W	48	71	23	SWNE	Complete	MON	PEABODY CABALLO MINING LLC	CA 993 CL	72	78.00	01/08/1990
P81593.0W	48	71	23	NWSE	Complete	MON	PEABODY CABALLO MINING LLC	CA 994 CL	45	63.50	01/08/1990
P83068.0W	48	71	26	SWNE	Complete	MON	PEABODY CABALLO MINING LLC	CA-996-WW	7	140.00	07/27/1990
P83610.0W	48	71	34	SENE	Complete	MON	CONTURA COAL WEST LLC	DFW #1	29.3	48.00	09/20/1990
P83611.0W	48	71	34	NENE	Complete	MON	CONTURA COAL WEST LLC	DFW #2	25.9	48.00	09/20/1990
P83612.0W	48	71	35	SWNW	Complete	MON	CONTURA COAL WEST LLC	DFW #3	32.8	48.00	09/20/1990
P83664.0W	48	71	26	SWSW	Complete	MIS	CONTURA COAL WEST LLC	BELLE AYR GUARD	105	313.00	09/27/1990
P84866.0W	48	71	34	SENE	Complete	MON	CONTURA COAL WEST LLC	DFW #10	25.61	33.00	04/02/1991

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P84920.0W	48	71	22	NENE	Complete	MIS	PEABODY CABALLO MINING LLC	PIT SUMP #8	4	8.00	04/05/1991
P85118.0W	48	71	27	SESE	Complete	MIS	CONTURA COAL WEST LLC	ENL BELLE AYR MINE - EAST SUMP	80	150.00	05/20/1991
P85119.0W	48	71	26	SWSW	Complete	MIS	CONTURA COAL WEST LLC	ENL BELLE AYR GUARD WELL	105	313.00	05/20/1991
P85120.0W	48	71	34	NENE	Complete	MIS	CONTURA COAL WEST LLC	ENL PLANT #2 WELL	205	1230.00	05/20/1991
P85494.0W	48	71	22	NESW	Complete	MIS	PEABODY CABALLO MINING LLC	PIT SUMP #9	-7	12.00	07/01/1991
P85509.0W	48	71	34	SENE	Complete	MON	CONTURA COAL WEST LLC	DFW #11	25.46	35.00	07/02/1991
P85510.0W	48	71	34	SENE	Complete	MON	CONTURA COAL WEST LLC	DFW #12	24.78	40.00	07/02/1991
P85521.0W	48	71	07	NENE	Complete	MON	Caballo Coal Company	91-07AA-5C	118	368.00	07/02/1991
P85522.0W	48	71	06	NWSE	Complete	MON	PEABODY CABALLO MINING LLC	91-06BD-5C	151.4	427.00	07/02/1991
P85523.0W	48	71	07	NESE	Complete	MON	PEABODY CABALLO MINING LLC	91-07AD-5C	111.3	375.00	07/02/1991
P85524.0W	48	71	06	SESW	Complete	MON	PEABODY CABALLO MINING LLC	91-06DC-50V	93.5	330.00	07/02/1991
P85525.0W	48	71	06	SESW	Complete	MON	PEABODY CABALLO MINING LLC	91-06DC-5C	132.7	430.00	07/02/1991
P85526.0W	48	71	07	SESW	Complete	MON	PEABODY CABALLO MINING LLC	91-07CC-5C	176.3	484.00	07/02/1991
P85527.0W	48	71	07	SESW	Complete	MON	PEABODY CABALLO MINING LLC	91-07CC-50V	69.8	386.00	07/02/1991
P85528.0W	48	71	06	NWNE	Complete	MON	PEABODY CABALLO MINING LLC	91-06BA-50V	79	230.00	07/02/1991
P85529.0W	48	71	05	SWNW	Complete	MON	PEABODY CABALLO MINING LLC	91-05CB-50V	86.1	220.00	07/02/1991
P85530.0W	48	71	05	SWSW	Complete	MON	PEABODY CABALLO MINING LLC	91-05CC-50V	59.1	197.00	07/02/1991
P85985.0W	48	71	03	NENE	Complete	MON	Caballo Coal Company	91-3AA-50V	29	180.00	08/29/1991
P86501.0W	48	71	34	SWSW	Complete	MON	CONTURA COAL WEST LLC	UB 3401	-7	96.50	10/31/1991
P86908.0W	48	71	15	SENW	Complete	MIS	PEABODY CABALLO MINING LLC	PIT SUMP #10	15	15.00	01/10/1992
P88694.0W	48	71	13	SWNW	Complete	MIS; MON; STK	PEABODY CABALLO MINING LLC	CA-798-0	42.9	112.00	06/29/1992
P92050.0W	48	71	07	NWSW	Complete	DOM GW	DAVID THOMPSON Foundation Coal West, Inc./BELLE AYR MINE	DT #1	160	320.00	06/17/1993
P97482.0W	48	71	32	NENW	Complete	MON	PEABODY CABALLO MINING LLC	T3-3	12	23.00	10/18/1994
CR UW03/465	48	71	34	NENE		IND GW; MIS	MEADOWLARK FARMS INC.	PLANT #1			03/11/1974

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
CR UW03/466	48	71	34	NENE		IND GW; MIS	MEADOWLARK FARMS INC.	BELLE AYR #2			08/28/1974
CR UW03/467	48	71	24	NESW		IND GW; MIS	CARTER MINING COMPANY	CABALLO #1			04/07/1975
CR UW03/469	48	71	34	NENE		IND GW; MIS	MEADOWLARK FARMS INC.	PLANT #2			12/17/1976
CR UW03/470	48	71	34	NENE		IND GW; MIS	MEADOWLARK FARMS INC.	ENL PLANT #1			02/28/1980
CR UW03/472	48	71	34	NENE		IND GW; MIS	MEADOWLARK FARMS INC.	1ST ENL BELLE AYR #2			02/28/1980
P188692.0W	48	71	27	SESW	Complete	MIS	CONTURA COAL WEST LLC	BELLE AYR NO. 4	752.5	4262.00	08/15/2008
P192764.0W	48	71	05	NWNE	Complete	MIS	PEABODY CABALLO MINING LLC	CA-2672DW	105	280.00	04/02/2010
P196614.0W	48	71	07	SESE	Complete	MIS	PEABODY CABALLO MINING LLC	CA-DW-2011- A (12 WELLS)	32	180.00	09/01/2011
P196615.0W	48	71	07	NESE	Complete	MIS	PEABODY CABALLO MINING LLC	CA-DW-2011- B (12 WELLS)	53	120.00	09/01/2011
P196616.0W	48	71	07	NENE	Complete	MIS	PEABODY CABALLO MINING LLC	CA-DW-2011- C (12 WELLS)	32	180.00	09/01/2011
P196617.0W	48	71	06	SESE	Complete	MIS	PEABODY CABALLO MINING LLC	CA-DW-2011- D (12 WELLS)	28	180.00	09/01/2011
P196618.0W	48	71	06	NESE	Complete	MIS	PEABODY CABALLO MINING LLC	CA-DW-2011- E (12 WELLS)	15	190.00	09/01/2011
P196619.0W	48	71	06	NENE	Complete	MIS	PEABODY CABALLO MINING LLC	CA-DW-2011- F (12 WELLS)	30	240.00	09/01/2011
P196620.0W	48	71	05	NESW	Complete	MIS	PEABODY CABALLO MINING LLC	CA-DW-2011- G (12 WELLS)	10	220.00	09/01/2011
P196621.0W	48	71	05	SESW	Complete	MIS	PEABODY CABALLO MINING LLC	CA-DW-2011- H (12 WELLS)	25	200.00	09/01/2011
P198298.0W	48	71	06	NWSE	Complete	IND GW	MID-CON ENERGY OPERATING LLC	ENL. ROURKE # 9			12/20/2011
P198307.0W	48	71	08	SWSW	Complete	MIS	PEABODY CABALLO MINING, LLC	CA-DW-2012- A (12 WELLS)	85	240.00	06/12/2012
P198308.0W	48	71	05	NWNE	Complete	MIS	PEABODY CABALLO MINING, LLC	CA-DW-2012- B (12 WELLS)	73	260.00	06/12/2012
P198309.0W	48	71	05	SWNE	Complete	MIS	PEABODY CABALLO MINING, LLC	CA-DW-2012- C (12 WELLS)	99	220.00	06/12/2012
P198310.0W	48	71	05	NWSE	Complete	MIS	PEABODY CABALLO MINING, LLC	CA-DW-2012- D (12 WELLS)	98	255.00	06/12/2012
P199499.0W	48	71	05	NWNW	Complete	MIS	PEABODY CABALLO MINING, LLC	CA-DW-2012- E (12 WELLS)	35	180.00	12/17/2012
P199500.0W	48	71	05	SWNW	Complete	MIS	PEABODY CABALLO MINING, LLC	CA-DW-2012- F (12 WELLS)	35	220.00	12/17/2012
P199501.0W	48	71	05	NESW	Complete	MIS	PEABODY CABALLO MINING, LLC	CA-DW-2012- G (12 WELLS)	35	200.00	12/17/2012

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P203313.0W	48	71	30	NWSW	Complete	MIS	CONTURA COAL WEST LLC	NWSW SECTION 30 DEWATER (12 WELLS)	257	362.00	01/15/2015
P203315.0W	48	71	30	NESW	Complete	MIS	CONTURA COAL WEST LLC	NESW SECTION 30 DEWATER (12 WELLS)	267	360.00	01/15/2015
P203389.0W	48	71	30	SWNW	Complete	MIS	CONTURA COAL WEST LLC	SWNW SECTION 30 DEWATER (12 WELLS)	260	375.00	01/28/2015
P203390.0W	48	71	30	SENW	Complete	MIS	CONTURA COAL WEST LLC	SENW SECTION 30 DEWATER (12 WELLS)	260	364.00	01/28/2015
P206145.0W	48	71	30	NWNW	Complete	MIS	CONTURA COAL WEST LLC BELLE AYR MINE	NWNW SECTION 30 DEWATER (12 WELLS)	260	385.00	08/30/2016
P206146.0W	48	71	30	NENW	Complete	MIS	CONTURA COAL WEST LLC BELLE AYR MINE	NENW SECTION 30 DEWATER (12 WELLS)	250	375.00	08/30/2016
P207099.0W	48	71	19	NWSW	Incomplete	MIS	CONTURA COAL WEST LLC BELLE AYR MINE	NWSW SECTION 19 DEWATER (12 WELLS)			04/12/2017
P207100.0W	48	71	19	NESW	Incomplete	MIS	CONTURA COAL WEST LLC BELLE AYR MINE	NESW SECTION 19 DEWATER (12 WELLS)			04/12/2017
P207101.0W	48	71	19	SWSW	Incomplete	MIS	CONTURA COAL WEST LLC BELLE AYR MINE	SWSW SECTION 19 DEWATER (12 WELLS)			04/12/2017
P207102.0W	48	71	19	SESW	Incomplete	MIS	CONTURA COAL WEST LLC BELLE AYR MINE	SESW SECTION 19 DEWATER (12 WELLS)			04/12/2017
P104218.0W	48	72	01	NESW	Complete	CBM; MIS; STK	TORCH OPERATING CO	ENL MCCREERY #1-23	0	380.00	03/18/1996
P104257.0W	48	72	21	NWNE	Complete	CBM; MIS; STK	TORCH OPERATING CO	ENL LYNDE TRUST #21-31	0	560.00	03/25/1996
P104260.0W	48	72	01	SESW	Complete	CBM; MIS; STK	TORCH OPERATING CO	ENL MCCREERY #1-24	0	447.00	03/25/1996
P10602.0P	48	72	01	NENE	Complete	DOM GW	PLACIDE ROBBINS	RANCH #1	40	60.00	12/31/1916
P108411.0W	48	72	10	NWNW	Complete	CBM	Williams Production RMT Co.	AP #11-10	496	845.00	12/15/1997
P110020.0W	48	72	22	NENW	Complete	MON	USDI, BUREAU OF LAND MANAGEMENT	MP22SS	38	185.00	05/12/1998
P110021.0W	48	72	22	SENE	Complete	MON	USDI, BUREAU OF LAND MANAGEMENT	MP22VSS	20	80.00	05/12/1998
P110249.0W	48	72	12	NESE	Complete	DOM_GW	MALCOLM P/LORALEI SHEPARD	SHEPARD #1	200	490.00	04/27/1998
P111221.0W	48	72	04	SESW	Complete	CBM; STK	Williams Production RMT Co.	Duwal Fed 24-4	369.2	761.00	07/24/1998

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P112399.0W	48	72	15	SWSE	Complete	CBM; STK	QUEST OPERATING LLC	STATE OF WYOMING 98- 00331 #34-16	340	1041.00	10/29/1998
P114436.0W	48	72	10	NWSW	Complete	CBM; STK	WILLIAMS PRODUCTION RMT CO.	APPEL INVESTMENT FEDERAL 13- 10-4872	517	782.00	03/08/1999
P114437.0W	48	72	10	SEW	Complete	CBM; STK	WILLIAMS PRODUCTION RMT CO.	APPEL FEDERAL 22- 10-4872	563	800.00	03/08/1999
P114438.0W	48	72	10	SESW	Complete	CBM; STK	WILLIAMS PRODUCTION RMT CO.	DUWALL FEDERAL 24- 10-4872	526	779.00	03/08/1999
P114555.0W	48	72	04	NENE	Complete	CBM; STK	Williams Production RMT Co.	MCCREERY 41-4-4872	667	841.00	03/15/1999
P114556.0W	48	72	04	SWSE	Complete	CBM; STK	WILLIAMS PRODUCTION RMT CO.	DUWALL FEDERAL 34- 4-4871	569	795.00	03/15/1999
P114557.0W	48	72	03	NESW	Complete	CBM; STK	WILLIAMS PRODUCTION RMT CO.	MCCREERY 23-3-4872	680	871.00	03/15/1999
P114681.0W	48	72	21	SWSE	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 21- 34	378	528.00	03/22/1999
P114682.0W	48	72	21	NWSE	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 21- 33	456	522.00	03/22/1999
P114689.0W	48	72	28	NWSW	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 28- 13	700	733.00	03/22/1999
P114690.0W	48	72	28	SWSW	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 28- 14	625	664.00	03/22/1999
P114691.0W	48	72	28	SESW	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 28- 24	625	640.00	03/22/1999
P114692.0W	48	72	28	SWSE	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 28- 34	664	686.00	03/22/1999
P114694.0W	48	72	28	SEW	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 28- 22	649	667.00	03/22/1999
P114695.0W	48	72	28	NENW	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 28- 21	564	577.00	03/22/1999
P114696.0W	48	72	28	NWNW	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 28- 11	600	636.00	03/22/1999
P114823.0W	48	72	13	SWNE	Complete	MON	CONTURA COAL WEST LLC	LBA-1C	219.3	460.00	04/01/1999
P114824.0W	48	72	13	SWNE	Complete	MON	CONTURA COAL WEST LLC	LBA-1D	21.7	198.00	04/01/1999
P114834.0W	48	72	24	SEW	Complete	MON	CONTURA COAL WEST LLC	LBA-14C	275	471.00	04/01/1999
P114835.0W	48	72	24	SEW	Complete	MON	CONTURA COAL WEST LLC	LBA-14D	21	120.00	04/01/1999
P114836.0W	48	72	24	SWSE	Complete	MON	CONTURA COAL WEST LLC	LBA-21C	317	470.00	04/01/1999
P115296.0W	48	72	12	SENE	Complete	DOM GW; STK	MARC/JESS GRAY COLEMAN	COLEMAN #2 WELL	476	820.00	03/29/1999
P115772.0W	48	72	03	SWSE	Complete	CBM; STK	Williams Production RMT Co.	MCCREERY 34-3-4872	562	740.00	05/10/1999
P116064.0W	48	72	02	SWSW	Complete	CBM; STK	Williams Production RMT Co.	MCCREERY 14-2-4872	620	749.00	05/28/1999
P116913.0W	48	72	01	SWNW	Complete	CBM; STK	Pennaco Energy, Inc.	MCCREERY #5-1-48-72	386	460.00	07/01/1999
P116915.0W	48	72	02	NENE	Complete	CBM; STK	Pennaco Energy, Inc.	MCCREERY #1-2-48-72	162	575.00	07/01/1999
P116916.0W	48	72	02	NENW	Complete	CBM; STK	Pennaco Energy, Inc.	MCCREERY #3-2-48-72	426	632.00	07/01/1999
P116918.0W	48	72	02	SWNW	Complete	CBM; STK	Pennaco Energy, Inc.	MCCREERY #5-2-48-72	449	643.00	07/01/1999

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Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P116920.0W	48	72	02	NESE	Complete	CBM; STK	Pennaco Energy, Inc.	McCREERY #9-2-48-72	398	486.00	07/01/1999
P116921.0W	48	72	02	NWSE	Complete	CBM; STK	Pennaco Energy, Inc.	McCREERY #10-2-48-72	447	569.00	07/01/1999
P116922.0W	48	72	02	SWSE	Complete	CBM; STK	Pennaco Energy, Inc.	McCREERY #15-2-48-72	358	570.00	07/01/1999
P116924.0W	48	72	03	NENW	Complete	CBM; STK	Pennaco Energy, Inc.	McCREERY #3-3-48-72	644	776.00	07/01/1999
P116925.0W	48	72	03	SENW	Complete	CBM; STK	Pennaco Energy, Inc.	McCREERY #6-3-48-72	771	862.00	07/01/1999
P116926.0W	48	72	03	SWNE	Complete	CBM; STK	Pennaco Energy, Inc.	McCREERY #7-3-48-72	686	793.00	07/01/1999
P116928.0W	48	72	01	SWSW	Complete	CBM; STK	Pennaco Energy, Inc.	McCREERY #13-1-48-72	338	456.00	07/01/1999
P117556.0W	48	72	36	SENE	Complete	MON	ALPHA COAL WEST INC	A5-DW24	187.57	306.00	07/22/1999
P119343.0W	48	72	36	SESE	Complete	MON	Foundation Coal West, Inc.	A5-MW04-S	62.61	198.00	09/03/1999
P119344.0W	48	72	36	SESE	Complete	MON	Foundation Coal West, Inc.	A5-MW04-CL	208.16	292.00	09/03/1999
P119995.0W	48	72	04	SWSW	Complete	CBM; STK	Westport Oil & Gas, Inc.	Duwal #14-4	133	731.00	10/18/1999
P120010.0W	48	72	09	NWNW	Complete	CBM; STK	Westport Oil & Gas, Inc.	Appel #11-9	43	726.00	10/18/1999
P120012.0W	48	72	09	NWSW	Complete	CBM; STK	Westport Oil & Gas, Inc.	Appel #13-9	200	666.00	10/18/1999
P120013.0W	48	72	09	SWSW	Complete	CBM; STK	Westport Oil & Gas, Inc.	Appel #14-9	280	671.00	10/18/1999
P120014.0W	48	72	09	SENW	Complete	CBM; STK	Westport Oil & Gas, Inc.	Appel #22-9	42	676.00	10/18/1999
P120015.0W	48	72	09	NESW	Complete	CBM; STK	Westport Oil & Gas, Inc.	Appel #23-9	38	671.00	10/18/1999
P120016.0W	48	72	09	SESW	Complete	CBM; STK	Westport Oil & Gas, Inc.	Appel #24-9	37	590.00	10/18/1999
P120017.0W	48	72	09	SWSE	Complete	CBM; STK	Westport Oil & Gas, Inc.	Appel #34-9	26	626.00	10/18/1999
P120315.0W	48	72	24	SWNE	Complete	CBM; STK	J.M. HUBER CORPORATION	Federal 28-32	548	577.00	10/25/1999
P120316.0W	48	72	28	NESW	Complete	CBM; STK	J.M. HUBER CORPORATION	Federal 28-23	717	738.00	10/25/1999
P120320.0W	48	72	33	NWNW	Complete	CBM; STK	J.M. HUBER CORPORATION	Federal 33-11	592	615.00	10/25/1999
P120321.0W	48	72	15	SWNE	Complete	CBM; STK	J.M. HUBER CORPORATION	Federal 15-32	561	588.00	10/25/1999
P120322.0W	48	72	22	NESE	Complete	CBM; STK	J.M. HUBER CORPORATION	Federal 22-42	528	551.00	10/25/1999
P120323.0W	48	72	22	NESW	Complete	CBM; STK	J.M. HUBER CORPORATION	Federal 22-23	483	533.00	10/25/1999
P120324.0W	48	72	22	SESE	Complete	CBM; STK	J.M. HUBER CORPORATION	Federal 22-44	391	479.00	10/25/1999
P120327.0W	48	72	28	SWNW	Complete	CBM; STK	J.M. HUBER CORPORATION	Federal 28-12	614	649.00	10/25/1999
P121320.0W	48	72	02	NESW	Complete	CBM; STK	Pennaco Energy, Inc.	McCreery 11-2-48-72	602	617.00	11/22/1999
P121321.0W	48	72	02	NWSW	Complete	CBM; STK	Pennaco Energy, Inc.	McCreery 12-2-48-72			11/22/1999
P121349.0W	48	72	09	NWSE	Complete	CBM; STK	Pennaco Energy, Inc.	Appel 10-9-48-72	493	699.00	11/26/1999
P121350.0W	48	72	09	SENE	Complete	CBM; STK	Pennaco Energy, Inc.	Appel 8-9-48-72	711	732.00	11/26/1999
P121351.0W	48	72	09	NESE	Complete	CBM; STK	Pennaco Energy, Inc.	Appel 9-9-48-72	664	720.00	11/26/1999

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P121352.0W	48	72	09	SESE	Complete	CBM, STK	Pennaco Energy, Inc.	Appel 16-9-48-72	607	638.00	11/26/1999
P122508.0W	48	72	27	SWNW	Complete	CBM, STK	J.M. HUBER CORPORATION	Federal 27-12	537	574.00	01/24/2000
P122509.0W	48	72	27	NESW	Complete	CBM, STK	J.M. HUBER CORPORATION	Federal 27-23	603	624.00	01/24/2000
P122510.0W	48	72	27	SESW	Complete	CBM, STK	J.M. HUBER CORPORATION	Federal 27-24	520	564.00	01/24/2000
P122511.0W	48	72	27	SWSE	Complete	CBM, STK	J.M. HUBER CORPORATION	Federal 27-34	432	504.00	01/24/2000
P122512.0W	48	72	27	NWSW	Complete	CBM, STK	J.M. HUBER CORPORATION	Federal 27-13	488	623.00	01/24/2000
P122513.0W	48	72	27	SWSW	Complete	CBM, STK	J.M. HUBER CORPORATION	Federal 27-14	567	643.00	01/24/2000
P122514.0W	48	72	27	SENW	Complete	CBM, STK	J.M. HUBER CORPORATION	Federal 27-22	471	515.00	01/24/2000
P122515.0W	48	72	27	NENE	Complete	CBM, STK	J.M. HUBER CORPORATION	Federal 27-41	404	473.00	01/24/2000
P122516.0W	48	72	27	SENE	Complete	CBM, STK	J.M. HUBER CORPORATION	Federal 27-42	471	488.00	01/24/2000
P122517.0W	48	72	27	SWNE	Complete	CBM, STK	J.M. HUBER CORPORATION	Federal 27-32	432	504.00	01/24/2000
P122518.0W	48	72	27	NWSE	Complete	CBM, STK	J.M. HUBER CORPORATION	Federal 27-33	490	504.00	01/24/2000
P122519.0W	48	72	34	NWNW	Complete	CBM, STK	J.M. HUBER CORPORATION	Federal 34-11	550	629.00	01/24/2000
P122520.0W	48	72	34	SWNW	Complete	CBM, STK	J.M. HUBER CORPORATION	Federal 34-12	540	648.00	01/24/2000
P122521.0W	48	72	34	NENW	Complete	CBM, STK	J.M. HUBER CORPORATION	Federal 34-21	505	556.00	01/24/2000
P123376.0W	48	72	01	SENW	Complete	CBM, STK	J.M. HUBER CORPORATION	McCreery 1-22	441	460.00	02/16/2000
P123377.0W	48	72	01	NWNE	Complete	CBM, STK	J.M. HUBER CORPORATION	McCreery 1-31	441	462.00	02/16/2000
P123378.0W	48	72	01	SWSE	Complete	CBM, STK	J.M. HUBER CORPORATION	McCreery 1-34	416	444.00	02/16/2000
P124263.0W	48	72	12	NWSE	Complete	CBM	PEABODY CABALLO MINING LLC	Amax Federal #33-12	38	577.00	03/23/2000
P124264.0W	48	72	12	SWSW	Complete	CBM	PEABODY CABALLO MINING LLC	Hjorth Federal #44-12	33	550.00	03/23/2000
P124268.0W	48	72	02	SWNE	Complete	CBM	PEABODY CABALLO MINING LLC	McCreery Federal #31-2	319	580.00	03/23/2000
P124269.0W	48	72	02	SWNE	Complete	CBM	PEABODY CABALLO MINING LLC	McCreery Federal #32-2	297	540.00	03/23/2000
P125365.0W	48	72	35	SWSW	Complete	CBM	North Finn, LLC	OXBOW #14-35	300	399.00	05/09/2000
P125366.0W	48	72	35	NWSW	Complete	CBM	North Finn, LLC	OXBOW #13-35	320	418.00	05/09/2000
P125367.0W	48	72	35	SWNW	Complete	CBM	North Finn, LLC	OXBOW #12-35	440	511.00	05/09/2000
P125368.0W	48	72	34	SESE	Complete	CBM	North Finn, LLC	OXBOW #44-34	350	456.00	05/09/2000
P125369.0W	48	72	34	NESE	Complete	CBM	North Finn, LLC	OXBOW #43-34	350	431.00	05/09/2000
P125370.0W	48	72	34	SENE	Complete	CBM	North Finn, LLC	OXBOW #42-34	430	511.00	05/09/2000
P126000.0W	48	72	11	NWNE	Complete	CBM, STK	J.M. HUBER CORPORATION	FEDERAL 11-31	599	635.00	05/24/2000

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P126001.0W	48	72	11	SWSE	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 11-34	524	541.00	05/24/2000
P126002.0W	48	72	11	SESE	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 11-44	560	594.00	05/24/2000
P126003.0W	48	72	12	SWSW	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 12-14	577	595.00	05/24/2000
P126004.0W	48	72	13	SWSW	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 13-14	462	481.00	05/24/2000
P126005.0W	48	72	23	SWNE	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 23-32	431	459.00	05/24/2000
P126006.0W	48	72	23	SENE	Complete	CBM; STK	J.M. HUBER CORPORATION	FEDERAL 23-42	493	514.00	05/24/2000
P127639.0W	48	72	14	NWSW	Complete	CBM; STK	J. M. HUBER CORPORATION	FEDERAL 14-13	636	687.00	07/17/2000
P129728.0W	48	72	03	SESW	Complete	CBM	Barrett Resources Corp.	RM FED. 24-3	561	740.00	09/15/2000
P130700.0W	48	72	24	SENW	Complete	CBM	RMG I, LLC	RAG 24 - 22 - A	28	481.00	11/03/2000
P131961.0W	48	72	11	NENW	Complete	CBM; STK	J.M. HUBER CORPORATION	RAG FEDERAL 11-21-48-72	681	735.00	01/10/2001
P134100.0W	48	72	15	NESE	Complete	CBM; STK	Pennaco Energy, Inc.	LYNDE FEDERAL 9-15-48-72	404	588.00	03/12/2001
P134102.0W	48	72	10	NWNE	Complete	CBM; STK	Pennaco Energy, Inc.	APPEL FEDERAL 2-10-48-72	612	733.00	03/12/2001
P134103.0W	48	72	14	SWNW	Complete	CBM; STK	Pennaco Energy, Inc.	APPEL FEDERAL 5-14-48-72	614	662.00	03/12/2001
P134104.0W	48	72	15	NENE	Complete	CBM; STK	Pennaco Energy, Inc.	APPEL FEDERAL 1-15-48-72	611	677.00	03/12/2001
P134105.0W	48	72	15	SENE	Complete	CBM; STK	Pennaco Energy, Inc.	LYNDE FEDERAL 8-15-48-72	484	640.00	03/12/2001
P134115.0W	48	72	36	NWNE	Complete	CBM	RMG I, LLC	STATE 36-31-48-72-A	39	375.00	04/13/2001
P134117.0W	48	72	36	SWSE	Complete	CBM	Wyo State Board of Land Commissioners	STATE 36-34-48-72-A	35	314.00	04/13/2001
P134270.0W	48	72	35	SENW	Complete	CBM	North Finn, LLC	OXBOW #22-35	450	481.00	04/19/2001
P134271.0W	48	72	35	NESW	Complete	CBM	North Finn, LLC	OXBOW #23-35	425	450.00	04/19/2001
P136848.0W	48	72	25	NWNW	Complete	CBM	RMG I, LLC	HIGH PLAINS 25-11	10	406.00	07/03/2001
P138929.0W	48	72	11	SENW	Complete	CBM	J. M. HUBER CORPORATION	RAG FED 11-22 48-72	634	665.00	09/05/2001
P150217.0W	48	72	12	NENE	Complete	DOM GW	RUSSELL & MICHELLE SHAHAN	SHAHAN 1	112	330.00	03/31/2003
P16046.0P	48	72	01	SENW	Complete	DOM GW; STK	ROBERT P. MCCREERY	SHED #1	80	240.00	12/31/1921
P170168.0W	48	72	01	NENE	Complete	DOM GW; STK	KYLE G. & CINDY BUTTS	KBI	43	142.00	08/31/2005
P17457.0W	48	72	03	NWNE	Complete	STK	ROBERT P. MCCREERY	BUTTE #8	120	194.00	12/27/1972
P177106.0W	48	72	15	NWSE	Complete	CBM	WYTEX VENTURES LLC	FEDERAL SM 15-33	44	585.00	08/31/2006
P177108.0W	48	72	21	NESE	Complete	CBM	WYTEX VENTURES LLC	FEDERAL 21-43 48-72	49	510.00	08/31/2006
P177109.0W	48	72	21	SESE	Complete	CBM	WYTEX VENTURES LLC	FEDERAL 21-44 48-72	42	540.00	08/31/2006

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P177110.0W	48	72	22	NWSW	Complete	CBM	WYTEX VENTURES LLC	FEDERAL 22-13 18-72	66	503.00	08/31/2006
P177118.0W	48	72	15	SWSE	Complete	CBM	WYTEX VENTURES LLC	LYNDE TRUST 15-34	35	565.00	08/31/2006
P177135.0W	48	72	01	NENW	Complete	CBM	WYTEX VENTURES LLC	MCCREERY 1-21 48-72	40	488.00	08/31/2006
P177136.0W	48	72	01	SESW	Complete	CBM	WYTEX VENTURES LLC	MCCREERY 48-72	39	447.00	08/31/2006
P177137.0W	48	72	01	SWNE	Complete	CBM	WYTEX VENTURES LLC	MCCREERY 1-32 48-72	42	477.00	08/31/2006
P177138.0W	48	72	01	NWSE	Complete	CBM	WYTEX VENTURES LLC	MCCREERY 1-33 48-72	45	345.00	08/31/2006
P18198.0P	48	72	12	SESE	Complete	STK	JAMES F. ROURKE	LESTER #1	70	130.00	12/31/1968
P19220.0P	48	72	09	SESW	Complete	STK	Leonard Appel	LEONARD APPEL #3	200	365.00	05/31/1958
P19222.0P	48	72	16	NWNW	Complete	STK	Leonard Appel	APPEL STATE #1	10	15.00	12/31/1903
P19223.0P	48	72	16	SESE	Complete	STK	Leonard Appel	APPEL STATE #2	70	113.00	12/31/1958
P23435.0P	48	72	13	SESE	Complete	STK	CONTURA COAL WEST LLC	DUNLAP #1	40	206.00	07/26/1973
P23442.0P	48	72	35	NENW	Complete	STK	CONTURA COAL WEST LLC	DUNLAP #8	1	120.00	07/26/1973
P23712.0W	48	72	26	NESE	Complete	DOM GW; STK	Foundation Coal West, Inc.	MORGAN #2	55	355.00	08/08/1973
P26012.0W	48	72	25	SESW	Fully Adjudicated	DOM GW	MARSHALL JEROME AND BEVERLY MORGAN	MORGAN #10	110	190.00	02/05/1974
P29727.0W	48	72	25	SESW	Complete	DOM GW	ROBERT W. & BEVERLY B. LAWSON	LAWSON #1	150	222.00	04/29/1975
P31074.0W	48	72	09	SESW	Complete	STK	Leonard Appel	LEONARD APPEL #6	75	145.00	09/11/1975
P54526.0W	48	72	14	SWNW	Complete	STK	Leonard Appel	APPEL #7	100	196.00	11/05/1980
P60104.0W	48	72	09	SWSW	Complete	STK	Leonard Appel	APPEL #8	60	179.00	03/31/1982
P61463.0W	48	72	25	SESW	Fully Adjudicated	MIS; STK	MARSHAL JEROME & BEVERLY ANN MORGAN	MORGAN #20	110	180.00	06/01/1982
P61.0G	48	72	27	NESE	Incomplete	DOM GW; IRR GW; STK	CONTURA COAL WEST LLC	MORGAN #1	9	47.00	12/21/1949
P68719.0W	48	72	25	SESW	Complete	STK	MARSHALL J. AND BEVERLY A. MORGAN	ENL MORGAN #10 WELL	110	190.00	10/01/1984
P70169.0W	48	72	21	NWNE	Complete	STK	FIRST NATIONAL BANK OF BUFFALO	STONE #1	35	245.00	05/16/1985
P70657.0W	48	72	12	SENE	Complete	DOM GW	CAROLE S. COLEMAN	CC WW 1	120	335.00	07/16/1985
P70728.0W	48	72	12	NESE	Complete	DOM GW	DAVID W. & JEAN M. WAGNER	WAGNER WELL #1	190	647.00	07/01/1985
P70776.0W	48	72	35	NWSW	Complete	STK	I. W. LYNDE TRUST	LYNDE TRUST #1	90	720.00	07/31/1985
P71672.0W	48	72	36	NESW	Complete	MON	ALPHA COAL WEST INC	AV5 1	5.82	15.50	12/30/1985
P71673.0W	48	72	36	NESW	Complete	MON	ALPHA COAL WEST INC	AV5 2	4.73	14.30	12/30/1985
P71703.0W	48	72	16	SWNE	Complete	STK	Leonard Appel	APPEL STATE #3	132	610.00	05/16/1985
P71739.0W	48	72	36	SESW	Complete	STK	MARSHALL MORGAN	MORGAN #36	20.34	103.00	01/13/1986
P76634.0W	48	72	12	SESW	Complete	DOM GW; MIS; STK	CONTURA COAL WEST LLC	BA RANCH 24 12 HARROD	410	1463.00	04/25/1988

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P81938.0W	48	72	12	SESE	Complete	DOM GW	CURTIS AND LORI HJORTH	HJORTH #1	580	1016.00	03/09/1990
P83051.0W	48	72	01	SESW	Complete	DOM GW, STK	MARIE R. MCCREERY	SHED #2	130	285.00	07/19/1990
P84018.0W	48	72	24	SESW	Complete	IND GW	EP OPERATING COMPANY	RIDGEVIEW FIELD WATER SUPPLY #1	785	2310.00	11/13/1990
P90502.0W	48	72	12	NENE	Complete	STK	JESS I. GRAY	GRAY #1	10	35.00	12/21/1992
P90658.0W	48	72	22	SENE	Complete	MON	MARTENS & PECK OPERATING CO.	MON #22-42-C	174	515.50	01/19/1993
P90659.0W	48	72	22	SENE	Complete	MON	MARTENS & PECK OPERATING CO.	MON #22-42-S	84	410.00	01/19/1993
P93190.0W	48	72	36	NWSW	Complete	MON	Wyo State Board of Land Commissioners	ECH-1A	4	350.00	10/22/1993
CR UW02/524	48	72	25	SESW		MIS	MARSHALL J. AND BEVERLY A. MORGAN	MORGAN #10			02/05/1974
CR UW05/023	48	72	25		Fully Adjudicated	MIS, STK	MARSHALL JEROME AND BEVERLY AN MORGAN	MORGAN #20			06/01/1982
P190079.0W	48	72	36	SWSE	Complete	MIS	BELLE AYR MINE	468248AW AND 467254AW	91	223.00	03/23/2009
P191873.0W	48	72	01	SESE	Complete	STK	MARSHALL KNOTTS	KNOTTS 8A	119	325.00	11/19/2009
P193948.0W	48	72	02	SESE	Complete	STK	PAHASHA RANCH LIMITED PARTNERSHIP	WINTER PASTURE #3	204	401.00	07/30/2010
P197049.0W	48	72	36	NWSE	Complete	MIS	ALPHA COAL WEST INC. BELLE AYR MINE	SECTION 36 DEWATER (5 WELLS)	225	360.00	11/03/2011
P197053.0W	48	72	25	SESE	Complete	MIS	CONTURA COAL WEST LLC	SESE SECTION 25 DEWATER (5 WELLS)	245	380.00	11/03/2011
P197054.0W	48	72	36	SESE	Complete	MIS	ALPHA COAL WEST INC BELLE AYR MINE	SESE SECTION 36 DEWATER (5 WELLS)	221	340.00	11/03/2011
P197061.0W	48	72	25	SWSE	Complete	MIS	CONTURA COAL WEST LLC	SWSE SECTION 25 DEWATER (5 WELLS)	298	425.00	11/03/2011
P197062.0W	48	72	36	SWSE	Complete	MIS	ALPHA COAL WEST INC BELLE AYR MINE	SWSE SECTION 36 DEWATER (5 WELLS)	219	342.00	11/03/2011
P197066.0W	48	72	36	NESE	Complete	MIS	ALPHA COAL WEST INC BELLE AYR MINE	NESE SECTION 36 DEWATER (5 WELLS)	220	340.00	11/03/2011
P203314.0W	48	72	25	NESE	Complete	MIS	CONTURA COAL WEST LLC	NESE SECTION 25 DEWATER (12 WELLS)	246	372.00	01/15/2015
P203388.0W	48	72	25	SENE	Complete	MIS	CONTURA COAL WEST LLC	SENE SECTION 25 DEWATER (12 WELLS)	259	365.00	01/28/2015

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P203811.0W	48	72	25	NENE	Complete	MIS	CONTURA COAL WEST LLC	NENE SECTION 25 DEWATER (12 WELLS)	273	388.00	04/28/2015
P109220.0W	49	71	31	SENE	Complete	MON	PEABODY CABALLO MINING LLC	NC-0141-U	165	405.00	03/10/1998
P113224.0W	49	71	31	NENE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE 1- 31-49-71	299	347.00	12/02/1998
P113225.0W	49	71	32	NWNE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE 2- 32-49-71	298	341.00	12/02/1998
P113226.0W	49	71	32	NENW	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE 3- 32-49-71	321	369.00	12/02/1998
P113228.0W	49	71	32	SWNW	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE 5- 32-49-71	270	316.00	12/02/1998
P113230.0W	49	71	32	SWNE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE 7- 32-49-71	249	300.00	12/02/1998
P113232.0W	49	71	32	NESE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE 9- 32-49-71	9	320.00	12/02/1998
P113234.0W	49	71	32	NESW	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE 11- 32-49-71	278	341.00	12/02/1998
P113235.0W	49	71	32	NWSW	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE 12- 32-49-71	252	392.00	12/02/1998
P113236.0W	49	71	32	SWSE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE 15- 32-49-71	48	410.00	12/02/1998
P113237.0W	49	71	32	SESE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE 16- 32-49-71	5	285.00	12/02/1998
P113482.0W	49	71	31	SWNE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #7- 31-49-71	349	401.00	01/11/1999
P113484.0W	49	71	31	NESE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #9- 31-49-71	285	350.00	01/11/1999
P113485.0W	49	71	31	NWSE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #10- 31-49-71	291	375.00	01/11/1999
P113486.0W	49	71	31	SWSE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #15- 31-49-71	317	378.00	01/11/1999
P113911.0W	49	71	31	SWNW	Complete	CBM; STK	Pennaco Energy, Inc.	BARTOW 12- 31-4971	178	586.00	02/01/1999
P113913.0W	49	71	31	NESW	Complete	CBM; STK	Pennaco Energy, Inc.	BARTOW 23- 31-4971	162	440.00	02/01/1999
P113925.0W	49	71	33	SWNW	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #5- 33-49-71	258	358.00	02/08/1999
P113927.0W	49	71	33	SWSW	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #13- 33-49-71	202	270.00	02/08/1999
P114254.0W	49	71	33	NENW	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #3- 33-49-71			03/01/1999
P114256.0W	49	71	33	SWNE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #7- 33-49-71	261	345.00	03/01/1999
P114258.0W	49	71	33	NESW	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #11- 33-49-71	239	305.00	03/01/1999
P114260.0W	49	71	33	SWSE	Complete	CBM; STK	Pennaco Energy, Inc.	ROURKE #15- 33-49-71	231	275.00	03/01/1999
P114497.0W	49	71	31	NENW	Complete	DOM_GW	LINDA K ROURKE	ROURKE #1	205	680.00	03/11/1999
P116236.0W	49	71	31	NWSW	Complete	CBM; STK	PENNACO ENERGY, INC.	BARTOW #12- 31-49-71	387	589.00	06/02/1999
P116238.0W	49	71	31	NWNW	Complete	CBM; STK	PENNACO ENERGY, INC.	BARTOW #4- 31-49-71	286	413.00	06/02/1999
P118205.0W	49	71	31	NENE	Complete	CBM; STK	PENNACO ENERGY, INC.	ROURKE #1- 31-49-71D	1014	1120.00	08/13/1999
P118206.0W	49	71	31	SWNE	Complete	CBM; STK	PENNACO ENERGY, INC.	ROURKE #7- 31-49-71D	999	1101.00	08/13/1999
P118207.0W	49	71	31	SENE	Complete	CBM; STK	PENNACO ENERGY, INC.	ROURKE #8- 31-49-71D	196	1074.00	08/13/1999

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P118208.0W	49	71	31	NESE	Complete	CBM; STK	PENNACO ENERGY, INC.	ROURKE #9-31-49-71D	950	1055.00	08/13/1999
P118209.0W	49	71	32	SWNW	Complete	CBM; STK	PENNACO ENERGY, INC.	ROURKE #5-32-49-71D	1013	1082.00	08/13/1999
P118885.0W	49	71	32	NENE	Complete	CBM; STK	Pennaco Energy, Inc.	Rourke Fed 01-32-49-71	358	401.00	09/02/1999
P118886.0W	49	71	32	SWSW	Complete	CBM; STK	Pennaco Energy, Inc.	Rourke Fed 13-32-49-71	232	330.00	09/02/1999
P118887.0W	49	71	32	SESW	Complete	CBM; STK	Pennaco Energy, Inc.	Rourke Fed 14-32-49-71	285	372.00	09/02/1999
P121720.0W	49	71	31	NWSE	Complete	CBM; STK	PENNACO ENERGY, INC.	ROURKE 10-31-49-71D	1001	1072.00	12/21/1999
P121722.0W	49	71	32	NWSW	Complete	CBM; STK	PENNACO ENERGY, INC.	ROURKE 12-32-49-71D	1049	1132.00	12/21/1999
P121723.0W	49	71	32	NESW	Complete	CBM; STK	PENNACO ENERGY, INC.	ROURKE 11-32-49-71D	1052	1130.00	12/21/1999
P121725.0W	49	71	32	NWNW	Complete	CBM; STK	PENNACO ENERGY, INC.	ROURKE 4-32-49-71D	1049	1097.00	12/21/1999
P121726.0W	49	71	32	NENW	Complete	CBM; STK	PENNACO ENERGY, INC.	ROURKE 3-32-49-71D	1052	1077.00	12/21/1999
P126244.0W	49	71	31	SESW	Complete	DOM GW	TROY/KIM SCOTT	SCOTT #1	375	795.00	06/22/2000
P13080.0P	49	71	34	NWNE	Complete	STK	DONALD L. & DOROTHY A. WOLFF	STOCKWELL #6	140	165.00	08/03/1954
P160351.0W	49	71	34	NWNW	Complete	CBM	L & J OPERATING INC	ROURKE #34-11A	100	390.00	08/06/2003
P160353.0W	49	71	33	NENE	Complete	CBM	L & J OPERATING INC	ROURKE #33-41A	100	380.00	08/06/2003
P160356.0W	49	71	34	NWSW	Complete	CBM	L & J OPERATING INC	ROURKE #34-13	115	390.00	08/06/2003
P160357.0W	49	71	34	SWNW	Complete	CBM	L & J OPERATING INC	ROURKE #34-12	120	380.00	08/06/2003
P19816.0P	49	71	31	SWNW	Complete	STK	THELMA M. CHANEY	CHANEY #3	-1	135.00	12/21/1945
P19817.0P	49	71	31	SENW	Complete	DOM GW	THELMA M. CHANEY	CHANEY #2	-1	65.00	06/30/1956
P19818.0P	49	71	31	SENW	Complete	STK	THELMA M. CHANEY	CHANEY #1	-1	85.00	12/21/1934
P40841.0W	49	71	31	SWNW	Complete	MON	USGS Water Resources Division	49 071 31BC 01	-1	336.00	11/21/1977
P47800.0W	49	71	31	SESE	Complete	MON	PEABODY CABALLO MINING LLC	ROURKE OB #3	4.68	60.00	04/18/1979
P47802.0W	49	71	32	SENE	Complete	MON	PEABODY CABALLO MINING LLC	ROURKE AMAX #1	155.45	337.00	04/18/1979
P53726.0W	49	71	32	NESE	Complete	MON	PEABODY CABALLO MINING LLC	AW 14	17.77	19.29	08/05/1980
P58231.0W	49	71	31	SENE	Complete	STK	JAMES F. ROURKE	YOHEM #1	83	256.00	09/08/1981
P66233.0W	49	71	34	SWSE	Complete	MON	Caballo Coal Company	83 34 1	16	18.00	01/06/1984
P85514.0W	49	71	32	SESW	Complete	MON	PEABODY CABALLO MINING LLC	91-32DC-50V	79.7	256.00	07/02/1991
P85516.0W	49	71	33	NWNE	Complete	MON	PEABODY CABALLO MINING LLC	91-33BA-50V	143.8	293.00	07/02/1991
P85517.0W	49	71	32	SWSW	Complete	MON	PEABODY CABALLO MINING LLC	91-32CC-5C	130.9	322.00	07/02/1991

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P85518.0W	49	71	33	NWNE	Complete	MON	PEABODY CABALLO MINING LLC	91-33BA-5C	301.5	398.00	07/02/1991
P85519.0W	49	71	31	NESE	Complete	MON	PEABODY CABALLO MINING LLC	91-31AD-50V	34.8	190.00	07/02/1991
P85520.0W	49	71	31	NESE	Complete	MON	PEABODY CABALLO MINING LLC	91-31AD-5C	140.5	380.00	07/02/1991
P192765.0W	49	71	32	SESE	Complete	MIS	PEABODY CABALLO MINING LLC	CA-2692DW	32	276.00	04/02/2010
P192766.0W	49	71	32	SWSE	Complete	MIS	PEABODY CABALLO MINING LLC	CA-2674DW	90	324.00	04/02/2010
P196622.0W	49	71	32	SWSW	Complete	MIS	PEABODY CABALLO MINING LLC	CA-DW-2011-I (12 WELLS)	22	240.00	09/01/2011
P196623.0W	49	71	32	SESW	Complete	MIS	PEABODY CABALLO MINING LLC	CA-DW-2011-J (12 WELLS)	33	190.00	09/01/2011
P113909.0W	49	72	35	NESE	Complete	CBM; STK	Pennaco Energy, Inc.	WOLF STATE 9-35-49-72	568	600.00	02/01/1999
P115425.0W	49	72	36	SWSW	Complete	CBM; STK	Wyo State Board of Land Commissioners	BARLOW STATE 14-36-4972	400	622.00	04/23/1999
P115426.0W	49	72	36	NENW	Complete	CBM; STK	Wyo State Board of Land Commissioners	STATE WY 3-36-49-72	491	661.00	04/23/1999
P115428.0W	49	72	36	NESE	Complete	CBM; STK	Wyo State Board of Land Commissioners	BARLOW STATE 43-36-4972	330	542.00	04/23/1999
P115758.0W	49	72	36	NWNE	Complete	CBM	Coleman Oil & Gas, Inc.	BARTOW STATE 31-36	340	631.00	05/06/1999
P115759.0W	49	72	36	SWNE	Complete	CBM	Coleman Oil & Gas, Inc.	BARTOW STATE 32-36	330	587.00	05/06/1999
P115760.0W	49	72	36	NENE	Complete	CBM	Coleman Oil & Gas, Inc.	BARTOW STATE 41-36	330	545.00	05/06/1999
P115761.0W	49	72	36	SENE	Complete	CBM	Coleman Oil & Gas, Inc.	BARTOW STATE 42-36	330	593.00	05/06/1999
P116509.0W	49	72	35	SENE	Complete	CBM; STK	Pennaco Energy, Inc.	Wolff State #8-35-49-72	608	633.00	06/21/1999
P121516.0W	49	72	36	SESW	Complete	CBM; STK	Coleman Oil & Gas, Inc.	Barlow State 24-36	330	563.00	12/20/1999
P121517.0W	49	72	36	NWSE	Complete	CBM; STK	Coleman Oil & Gas, Inc.	Barlow State 33-36	330	544.00	12/20/1999
P121518.0W	49	72	36	SESE	Complete	CBM; STK	Coleman Oil & Gas, Inc.	Barlow State 44-36	280	498.00	12/20/1999
P122092.0W	49	72	35	NWSE	Complete	CBM; STK	Wyo State Board of Land Commissioners	WOLFF STATE #33-35	327	605.00	01/18/2000
P131229.0W	49	72	35	SWNW	Complete	CBM	Pennaco Energy, Inc.	MCCREERY FEDERAL 5-35-49-72A	528	674.00	11/30/2000
P131231.0W	49	72	35	NWNW	Complete	CBM	Pennaco Energy, Inc.	MCCREERY FEDERAL 5-35-49-72A	703	742.00	11/30/2000
P131260.0W	49	72	35	NENE	Complete	CBM	Pennaco Energy, Inc.	WOLFF FEDERAL #1-35-49-72A	674	725.00	11/30/2000
P16047.0P	49	72	35	SESW	Complete	STK	ROBERT P. MCCREERY	STOCK #2	60	110.00	12/31/1919
P16048.0P	49	72	35	SESW	Complete	DOM GW	ROBERT P. MCCREERY	HOUSE #3	100	165.00	12/31/1951

Table 1.9-2 Groundwater Rights Within 3 Miles of the Permit Area

Permit	T	R	S	QQ	Status	Uses	Applicant	Facility	Static GW	Well Depth	Priority
P16051.OP	49	72	35	NWSW	Complete	STK	ROBERT P. MCCREERY	LOHMAN #6	90	170.00	11/30/1955
P189056.0W	49	72	35	NENW	Complete	STK	PAHASHA RANCH PARTNERSHIP	MCCREERY #21-35	145	475.00	10/08/2008

Table 1.9-2, Groundwater Rights Within 3 Miles of the Belle Ayr Permit Boundary

Notes:

The primary search was conducted on SEO database as of February 22, 2018. All water rights with a Status Code of ABA (Abandoned), A&C (Abandoned and Cancelled), CAN (Cancelled), EXP (Expired), or REJ (Rejected) have been eliminated from the listing provided above, as none of these well codes represent a valid current right. A double asterisk (**) in the Applicant Column represents a separator between parties where multiple parties are involved. Record Suffixes are denoted as follows:

- "A" Indicates adjudicated or finalized water rights and unless the right is a territorial appropriation, there will be a match in the reference column from one of the following permit types for the unadjudicated portion of the water right.
- "C" Permits are well statements of claim filed from 1947 to 1957 for wells completed prior to April 1, 1947.
- "G" Permits are well registrations filed for wells completed after April 1, 1947.
- "P" Permits are for stock and domestic use wells completed prior to May 24, 1969 and registered with the State Engineer's Office prior to December 31, 1972.
- "W" Permits are for wells with a priority date for the date of filing with the State Engineer.

Lands described in these copies are the water rights of record in our office and may or may not reflect the actual situation on the ground. Failure to exercise a water right for five (5) years, when water is available, may constitute grounds for forfeiture.

Use Codes	
CBM	MO Monitoring
Coal Bed Methane	N
DE	MU Municipal
W Dewatering	N
DO	RES Reservoir Supply
M Domestic	
DRI Drilling	STK Stock
IND Industrial	TEM Temporary
IRR Irrigation	TST Test Well
MIS Miscellaneous	

Ground Water Search Area		
Townshi	Range	Sections
p		
T47	R70	4-8, 17-18
T47	R71	1-24, 27-30
T47	R72	1-4, 9-16, 21-27
T48	R70	7, 17-21, 28-33
T48	R71	2-36
T48	R72	1-4, 9-16, 21-28, 33-36
T49	R71	31-34
T49	R72	35-36

Table 1.9-3, Oil and Gas Wells Within and Adjacent to the Belle Ayr Mine Permit Area												
Api Number	T	R	S	QQ	Well Name and No.	Company	Footage 1	Footage 2	Well Class	Status	Total Depth	
528838	47	71	1	NWNW	CLEMENTINE NO. 1-1	URBAN OIL & GAS GROUP LLC	551 FNL	660 FWL	O	PO	10175	
523250	47	71	1	NWNE	FEDERAL-RIPPY 1-1	HUBER J M CORP	657 FNL	3300 FWL	O	PA	10018	
530796	47	71	2	SWNW	ROBERTS FEDERAL 2-5	SMITH CONLEY P OPERATING CO	1982 FNL	523 FWL	O	PA	10350	
528849	47	71	2	SENE	ROJO CLABAUGH 2-1	URBAN OIL & GAS GROUP LLC	1862 FNL	583 FEL	I	SI	10270	
520694	47	71	2	SWNE	CLABAUGH FLOYD 2	WESSELY ENERGY CORPORATION	1980 FNL	1980 FEL	O	PA	10181	
530564	47	71	2	NENE	CLABAUGH 41-2	URBAN OIL & GAS GROUP LLC	598 FNL	435 FEL	O	PO	10210	
505130	47	71	2	NWNE	CLABAUGH & FLOYD 31-2	SWEPI LP	660FNL	1980FEL	O	PA	10259	
525307	47	71	4	SWSW	CLABAUGH 14-4	FOREST OIL PERMIAN CORPORATION	660 FSL	660 FWL	O	PA	10500	
528346	47	71	4	NWSW	CLABAUGH 1-4	DUNCAN OIL INC	1980 FSL	550 FWL	I	PA	10500	
527657	47	71	4	NWSE	CLABAUGH 4-10 WSW	DUNCAN OIL INC	1988 FSL	2022 FEL	WS	PA	10500	
530308	47	71	4	SWSW	ROYAL DRAW 14-4	DUNCAN OIL INC	1290 FSL	1325 FWL	O	PA	10450	
528593	47	71	4	NESW	BONNIE 1	DUNCAN OIL INC	2119 FSL	1943 FWL	O	PA	10517	
528603	47	71	5	SESW	LOUISE 1	DUNCAN OIL INC	1200 FSL	2300 FWL	O	PA	10450	
529252	47	71	5	SESE	EVANS 2	DUNCAN OIL INC	763 FSL	758 FEL	O	PA	10451	
528222	47	71	5	NESE	EVANS 5-9	DUNCAN OIL INC	2200 FSL	460 FEL	I	PA	10465	
529113	47	71	5	SENE	LOUISE 2	DUNCAN OIL INC	2098 FNL	664 FEL	O	PA	10366	
524712	47	71	5	NENE	EVANS 1-A5	UNION OIL CO OF CALIFORNIA	463 FNL	535 FEL	O	PA	10484	
529587	47	71	5	NWNW	EVANS 1-5	QUINTANA PETROLEUM CORP	1100 FNL	200 FWL	O	PA	10580	
529377	47	71	6	NENW	DUNLAP 3-6	MCADAMS ROUX & ASSOCIATES	710 FNL	2309 FWL	O	PA	10656	
541898	47	71	6	SESW	DUNLAP 6-24-47-71-A	ROCKY MOUNTAIN GAS INC	713 FSL	1965 FWL	G	PA	401	
541907	47	71	6	NESW	DUNLAP 6-23-47-71A	ROCKY MOUNTAIN GAS INC	1989 FSL	1994 FWL	G	PA	321	
542186	47	71	6	NWSW	DUNLAP 6-13-47-71-A	ROCKY MOUNTAIN GAS INC	1983 FSL	659 FWL	GO	PA	333	
542301	47	71	6	NENW	RAG 6-21-47-71A	ROCKY MOUNTAIN GAS INC	662 FNL	2030 FWL	G	PA	324	
541913	47	71	6	NWSE	DUNLAP 6-33-47-71-A	ROCKY MOUNTAIN GAS INC	1994 FSL	2114 FEL	G	PA	301	
541914	47	71	6	SWSE	DUNLAP 6-34-47-71-A	ROCKY MOUNTAIN GAS INC	665 FSL	2084 FEL	G	PA	330	
541915	47	71	6	NESE	DUNLAP 6-43-47-71-A	ROCKY MOUNTAIN GAS INC	1998 FSL	688 FEL	G	PA	326	
541916	47	71	6	SESE	DUNLAP 6-44-47-71-A	ROCKY MOUNTAIN GAS INC	666 FSL	694 FEL	G	PA	341	
542112	47	71	6	SWNW	DUNLAP 6-12-47-71-A	ROCKY MOUNTAIN GAS INC	1982 FNL	673 FWL	GO	PA	330	
542113	47	71	6	SENW	RAG 6-22-47-71-A	ROCKY MOUNTAIN GAS INC	1986 FNL	2015 FWL	G	PA	293	
542363	47	71	6	SENE	DUNLAP 6-42-47-71-A	ROCKY MOUNTAIN GAS INC	1891 FNL	681 FEL	G	PA	351	
542364	47	71	6	SWNE	DUNLAP 6-32-47-71-A	ROCKY MOUNTAIN GAS INC	1969 FNL	2053 FEL	G	PA	313	
541053	47	71	6	SWNE	DUNLAP 41-6	BALLARD PETROLEUM HOLDINGS LLC	2108 FNL	1818 FEL	O	PA	10682	
542458	47	71	6	NWNE	DUNLAP 6-31-47-71-A	ROCKY MOUNTAIN GAS INC	663 FNL	2022 FEL	G	PA	326	
528728	47	71	6	SWNE	DUNLAP 2-6	BALLARD PETROLEUM HOLDINGS LLC	2114 FNL	1978 FEL	O	PA	10600	
525517	47	71	6	NESE	DUNLAP A 1	ANADARKO PETROLEUM CORPORATION	1980 FSL	510 FEL	O	PA	10681	
528007	47	71	6	SWNW	DUNLAP 1-6	MCADAMS ROUX & ASSOCIATES	2091 FNL	522 FWL	O	PA	10691	
530273	47	71	7	NWSW	DUNLAP 7-13	ROCKY MOUNTAIN GAS INC	1999 FSL	602 FWL	G	PA	301	
522938	47	71	7	SESW	DUNLAP 24-7	JN EXPLORATION & PRODUCTION	660 FSL	1980 FWL	O	PA	9101	
525309	47	71	7	SESE	HAIGHT & COMPANY 1-7	DUNCAN OIL INC	150 FSL	150 FEL	O	PA	10720	
506245	47	71	7	SENW	DUNLAP 1-B	DAVIS OIL COMPANY	1980 FNL	1980 FWL	O	PA	10847	
507768	47	71	7	SWSW	DUNLAP SM - 7 -14	MARTENS & PECK OPERATING CO	660 FSL	660 FWL	G	PA	650	
507769	47	71	7	NWSW	DUNLAP SM-7-13	MARTENS & PECK OPERATING CO	1980 FSL	660 FWL	G	PA	650	
507770	47	71	7	NESW	DUNLAP SM-7-23	MARTENS & PECK OPERATING CO	1980 FSL	1980 FWL	G	PA	500	
545410	47	71	7	SESW	DUNLAP 7-24-B	ROCKY MOUNTAIN GAS INC	713 FSL	2006 FWL	GO	PA	1124	

Table 1.9-3, Oil and Gas Wells Within and Adjacent to the Belle Ayr Mine Permit Area											
Api Number	T	R	S	QQ	Well Name and No.	Company	Footage 1	Footage 2	Well Class	Status	Total Depth
545411	47	71	7	NESW	DUNLAP 7-23-B	ROCKY MOUNTAIN GAS INC	1989 FSL	1921 FWL	GO	PA	1192
544412	47	71	7	NWSW	DUNLAP 7-13-47-71-A	ROCKY MOUNTAIN GAS INC	2054 FSL	487 FWL	GO	PA	500
541910	47	71	7	NWNE	DUNLAP 7-31-47-71-A	ROCKY MOUNTAIN GAS INC	607 FNL	2171 FEL	G	PA	390
541911	47	71	7	NENE	DUNLAP 7-41-47-71-A	ROCKY MOUNTAIN GAS INC	669 FNL	697 FEL	G	PA	344
541912	47	71	7	SWNE	DUNLAP 7-32-47-71-A	ROCKY MOUNTAIN GAS INC	2002 FNL	2084 FEL	GO	PA	424
545412	47	71	7	SWSW	DUNLAP 7-14-B	ROCKY MOUNTAIN GAS INC	615 FSL	636 FWL	GO	PA	1258
545413	47	71	7	NWSW	DUNLAP 7-13-B	ROCKY MOUNTAIN GAS INC	2044 FSL	602 FWL	G	SR	850
541920	47	71	7	SWNW	DUNLAP 7-12-47-71-A	ROCKY MOUNTAIN GAS INC	1996 FNL	651 FWL	GO	PA	415
542746	47	71	7	SWSW	DUNLAP 7-14-47-71-A	ROCKY MOUNTAIN GAS INC	665 FSL	636 FWL	G	PA	366
542747	47	71	7	SESW	DUNLAP 7-24-47-71-A	ROCKY MOUNTAIN GAS INC	663 FSL	2006 FWL	GO	PA	391
542748	47	71	7	NESW	DUNLAP 7-23-47-71-A	ROCKY MOUNTAIN GAS INC	1989 FSL	1971 FWL	GO	PA	386
541908	47	71	7	SESW	DUNLAP 7-22-47-71-A	ROCKY MOUNTAIN GAS INC	1999 FNL	2022 FWL	GO	PA	439
541909	47	71	7	NENW	DUNLAP 7-21-47-71-A	ROCKY MOUNTAIN GAS INC	666 FNL	1947 FWL	G	PA	416
525095	47	71	8	NENE	FEDERAL 1	DAVIS OIL COMPANY	860 FNL	460 FEL	O	PA	10677
527794	47	71	8	SWSW	HAIGHT 1-8	DUNCAN OIL INC	660 FSL	659 FWL	O	PA	10700
530059	47	71	8	SESE	CLABAUGH 16-8	PURE PETROLEUM LLC	665 FSL	590 FEL	GO	SR	285
530060	47	71	8	SENE	CLABAUGH 8-8	PURE PETROLEUM LLC	1997 FNL	630 FEL	GO	SR	283
528457	47	71	9	NWNW	CLABAUGH FEE 1-9	MCADAMS ROUX & ASSOCIATES	864 FNL	674 FWL	O	PA	10600
506230	47	71	9	NWNE	FLOYD 1	DAVIS OIL COMPANY	660 FNL	1980 FEL	O	PA	10655
542358	47	71	18	NWNW	DUNLAP 18-11-47-71-A	ROCKY MOUNTAIN GAS INC	663 FNL	631 FWL	GO	PA	371
542360	47	71	18	NENW	DUNLAP 18-21-47-71-A	ROCKY MOUNTAIN GAS INC	663 FNL	1950 FWL	GO	PA	375
545409	47	71	18	NWNW	DUNLAP 18-11-B	ROCKY MOUNTAIN GAS INC	663 FNL	681 FWL	GO	PS	1267
530433	47	72	1	NWSW	MORGAN 1-13	ROCKY MOUNTAIN GAS INC	1965 FSL	729 FWL	GO	PA	384
530434	47	72	1	SESW	MORGAN 1-22	ROCKY MOUNTAIN GAS INC	2015 FNL	1979 FWL	GO	PA	354
530435	47	72	1	SESW	MORGAN 1-24	ROCKY MOUNTAIN GAS INC	693 FSL	1948 FWL	G	PA	400
530610	47	72	1	SWNW	MORGAN 1-12	ROCKY MOUNTAIN GAS INC	1995 FNL	635 FWL	GO	PA	361
542361	47	72	1	NESE	DUNLAP 1-43-47-72-A	ROCKY MOUNTAIN GAS INC	1982 FSL	657 FEL	GO	PA	350
542362	47	72	1	SESE	DUNLAP 1-44-47-72-A	ROCKY MOUNTAIN GAS INC	661 FSL	654 FEL	GO	PA	368
542384	47	72	1	SWSW	RAG 1-14-47-72-A	ROCKY MOUNTAIN GAS INC	662 FSL	666 FWL	GO	PA	420
542386	47	72	1	NENW	RAG 1-21-47-72-A	ROCKY MOUNTAIN GAS INC	814 FNL	2000 FWL	GO	PA	347
542387	47	72	1	NESW	RAG 1-23-47-72-A	ROCKY MOUNTAIN GAS INC	1987 FSL	1948 FWL	GO	PA	376
542388	47	72	1	NWSE	DUNLAP 1-33-47-72-A	ROCKY MOUNTAIN GAS INC	1986 FSL	1971 FEL	GO	PA	373
542389	47	72	1	SWSE	DUNLAP 1-34-47-72-A	ROCKY MOUNTAIN GAS INC	662 FSL	1960 FEL	GO	PA	366
528793	47	72	1	SENE	MRA FEDERAL 1-1	MCADAMS ROUX & ASSOCIATES	2102 FNL	486 FEL	O	PA	10601
540860	47	72	2	SWNE	FEDERAL 2-32-47-72	LORAL OPERATING LLC	1884 FNL	2030 FEL	G	PA	414
540861	47	72	2	NENE	FEDERAL 2-41-47-72	LORAL OPERATING LLC	669 FNL	667 FEL	G	PA	415
540857	47	72	2	SENE	FEDERAL 2-42-47-72	LORAL OPERATING LLC	2000 FNL	668 FEL	G	PA	352
530359	47	72	2	NWNE	FEDERAL 2-31-47-72	LORAL OPERATING LLC	674 FNL	2022 FEL	G	SI	381
522695	47	72	11	SENE	MORGAN 42	JN EXPLORATION & PRODUCTION	1880 FNL	860 FEL	O	SR	10909
527078	47	72	11	NESE	MORGAN 43X-11	WELLSTAR CORPORATION	1725 FSL	650 FEL	I	AI	10951
530381	47	72	11	NWSE	MORGAN 11-33-47-72	LORAL OPERATING LLC	2099 FSL	1933 FEL	GO	PA	466
543621	47	72	11	SESE	RAG FED 11-44-47-72	LORAL OPERATING LLC	661 FSL	668 FEL	G	PG	492
540859	47	72	11	SWSE	HUBER FEDERAL 11-34-47-72	LORAL OPERATING LLC	663 FSL	2005 FEL	G	SI	537
507536	47	72	11	NENE	MORGAN SM-11-14	MARTENS & PECK OPERATING CO	660 FNL	660 FEL	G	PA	600
507780	47	72	11	SESE	FEDERAL SM-11-44	MARTENS & PECK OPERATING CO	668 FSL	669 FEL	G	PA	550
507781	47	72	11	SWSE	FEDERAL SM-11-34	MARTENS & PECK OPERATING CO	669 FSL	2008 FEL	G	PA	550
535468	47	72	12	SWNE	JN CABALLO ROJO 12G	LORAL OPERATING LLC	1990 FNL	2072 FEL	GO	PA	388
535469	47	72	12	NWNE	JN CABALLO ROJO 12B	LORAL OPERATING LLC	638 FNL	1960 FEL	GO	PA	387
530306	47	72	12	SESW	MORGAN 12-22	MARTENS & PECK PRODUCTION CO	1969 FNL	1997 FWL	G	PA	0
530307	47	72	12	NWSE	BREEN 12-33	ROCKY MOUNTAIN GAS INC	1999 FSL	1977 FEL	GO	PA	384
542414	47	72	12	SWNW	RAG 12-12-47-72-A	ROCKY MOUNTAIN GAS INC	1994 FNL	665 FWL	GO	PA	421
542415	47	72	12	SESW	RAG 12-22-47-72-A	ROCKY MOUNTAIN GAS INC	1990 FNL	1996 FWL	GO	PA	421
542417	47	72	12	NENW	RAG 12-21-47-72-A	ROCKY MOUNTAIN GAS INC	713 FNL	1997 FWL	GO	PA	401

Table 1.9-3, Oil and Gas Wells Within and Adjacent to the Belle Ayr Mine Permit Area												
Api Number	T	R	S	QQ	Well Name and No.	Company	Footage 1	Footage 2	Well Class	Status	Total Depth	
542419	47	72	12	SWSE	RAG 12-34-47-72-A	ROCKY MOUNTAIN GAS INC	666 FSL	1990 FEL	GO	PA	403	
542420	47	72	12	SESE	RAG 12-44-47-72-A	ROCKY MOUNTAIN GAS INC	715 FSL	613 FEL	GO	PA	366	
530285	47	72	12	NWNW	MORGAN 12-11	ROCKY MOUNTAIN GAS INC	697 FNL	705 FWL	GO	PA	412	
534985	47	72	12	SWSW	JN CABALLO ROJO 12M	LORAL OPERATING LLC	817 FSL	665 FWL	GO	PA	463	
534986	47	72	12	NWSW	JN CABALLO ROJO 12L	LORAL OPERATING LLC	2000 FSL	665 FWL	GO	PA	438	
520027	47	72	12	SWSE	BREEN 34-12	WELLSTAR CORPORATION	660 FSL	1980 FEL	O	PA	10776	
506395	47	72	12	SWSW	BREEN 14-12A	WELLSTAR CORPORATION	660 FSL	660 FWL	O	PO	10915	
522225	47	72	12	SWNW	MORGAN 1	TEXANA OIL COMPANY	1980 FNL	660 FWL	O	PA	10800	
541917	47	72	12	NESE	RAG 12-43-47-72-A	ROCKY MOUNTAIN GAS INC	1996 FSL	661 FEL	GO	PA	398	
534983	47	72	13	NWNE	JN DUVAL 13B	LORAL OPERATING LLC	665 FNL	1995 FEL	GO	PA	383	
534991	47	72	13	NWNW	JN DUVAL 13D	LORAL OPERATING LLC	665 FNL	665 FWL	GO	PA	490	
530912	47	72	13	NWNW	BREEN WIW UNIT 11X-13	WELLSTAR CORPORATION	1020 FNL	780 FWL	I	AI	10895	
528060	48	70	30	SWSW	SMITH-FEDERAL 30-13	FANCHER OIL LLC	461 FSL	824 FWL	O	9,905 PA		
530629	48	71	16	SWSE	OUTLAW DRAW 15-16	FLYING J OIL & GAS INC	990 FSL	2390 FEL	O	PA	10243	
542942	48	71	16	NESW	CABALLO 16-23	BLACKSTONE OPERATING INC	1893 FSL	1999 FWL	G	PA	298	
542944	48	71	16	SWSW	CABALLO 16-14	BLACKSTONE OPERATING INC	515 FSL	666 FWL	G	PA	337	
527077	48	71	16	NWNW	CABALLO STATE 1	HOME PETROLEUM CORPORATION	465 FNL	780 FWL	O	PA	10394	
523450	48	71	16	SWSW	STATE-TP 1	MONCRIEF W A JR	664 FSL	659 FWL	O	PA	10395	
542948	48	71	16	SWNW	CABALLO 16-12	BLACKSTONE OPERATING INC	1994 FNL	666 FWL	G	PA	294	
547190	48	71	17	SWNW	CABALLO 12-17	PEABODY NATURAL GAS LLC	2137 FNL	628 FWL	G	SI	422	
557530	48	71	17	NESW	CABALLO 23-17-48-71 M	PEABODY NATURAL GAS LLC	1832 FSL	2001 FWL	G	PG	1103	
557531	48	71	17	SWNE	CABALLO 32-17-48-71 M	PEABODY NATURAL GAS LLC	1839 FNL	2163 FEL	G	PA	1250	
557532	48	71	17	NENW	CABALLO 21-17-48-71 M	PEABODY NATURAL GAS LLC	487 FNL	1995 FWL	G	PA	1250	
557533	48	71	17	SWNW	CABALLO 12-17-48-71 M	PEABODY NATURAL GAS LLC	1854 FNL	518 FWL	G	PG	1250	
557534	48	71	17	NESE	CABALLO 43-17-48-71 M	PEABODY NATURAL GAS LLC	2020 FSL	846 FEL	G	PA	1049	
547183	48	71	17	NESE	CABALLO 43-17	PEABODY NATURAL GAS LLC	1957 FSL	760 FEL	G	PA	275	
547184	48	71	17	NESW	CABALLO 23-17	PEABODY NATURAL GAS LLC	2002 FSL	2111 FWL	G	PG	368	
547185	48	71	17	NENW	CABALLO 21-17	PEABODY NATURAL GAS LLC	767 FNL	1995 FWL	G	SR	316	
547186	48	71	17	SWSE	CABALLO 34-17	PEABODY NATURAL GAS LLC	667 FSL	1918 FEL	G	PG	374	
542754	48	71	17	SWSW	DUNLAP 17-14-48-71-B	ROCKY MOUNTAIN GAS INC	668 FSL	723 FWL	G	PA	1000	
523504	48	71	17	NENW	ROBB FEE 1	BETA EXPLORATION	667 FNL	1992 FWL	O	PA	10410	
527119	48	71	17	SESW	ROBB FEE 1-17	PRIMARY FUELS INC	470 FSL	1825 FWL	O	PA	10525	
527710	48	71	17	NWNE	MEADOWLARK FARMS FEE 1	SOUTHLAND ROYALTY COMPANY	665 FNL	1992 FEL	O	PA	10400	
528559	48	71	17	NESW	ROBB FEE 1-17	KERR-MCGEE CORPORATION	2133 FSL	2135 FWL	O	PA	10464	
528727	48	71	17	SENE	MEADOWLARK FARMS 2-17	KERR-MCGEE CORPORATION	1997 FNL	665 FEL	O	PA	10333	
542187	48	71	17	SWSW	DUNLAP 17-14-48-71-A	USA EXPLORATION & PRODUCTION LLC	668 FSL	673 FWL	GO	PA	432	
530326	48	71	17	NESE	MEADOWLARK FEE 43-17	AMPOLEX WY INC	1864 FSL	822 FEL	O	PA	10360	
530148	48	71	17	SWSE	ROBB 1	EOG Y RESOURCES INC	665 FSL	2023 FEL	O	SR	10500	
534731	48	71	18	NENE	ROURKE 1-18-48-71	PEABODY NATURAL GAS LLC	764 FNL	650 FEL	G	PA	1200	
534732	48	71	18	SWNW	ROURKE 5-18-48-71A	LORAL OPERATING LLC	1953 FNL	575 FWL	GO	PA	1200	
534733	48	71	18	SENE	ROURKE 6-18-48-71A	LORAL OPERATING LLC	1939 FNL	1853 FWL	G	PA	460	

Table 1.9-3, Oil and Gas Wells Within and Adjacent to the Belle Ayr Mine Permit Area											
Api Number	T	R	S	QQ	Well Name and No.	Company	Footage 1	Footage 2	Well Class	Status	Total Depth
534734	48	71	18	SWNE	ROURKE 7-18-48-71A	PEABODY NATURAL GAS LLC	2004 FNL	2040 FEL	G	SI	1200
534735	48	71	18	SENE	ROURKE 8-18-48-71A	LORAL OPERATING LLC	2098 FNL	777 FEL	G	PA	490
534736	48	71	18	NWSE	ROURKE 10-18-48-71A	PEABODY NATURAL GAS LLC	1995 FSL	2028 FEL	G	PG	432
534737	48	71	18	NESE	ROURKE 9-18-48-71A	PEABODY NATURAL GAS LLC	1995 FSL	683 FEL	G	SI	1200
534738	48	71	18	NESW	ROURKE 11-18-48-71A	LORAL OPERATING LLC	1915 FSL	2018 FWL	GO	PA	1200
534739	48	71	18	NWSW	ROURKE 12-18-48-71	LORAL OPERATING LLC	2147 FSL	691 FWL	GO	PA	422
540318	48	71	18	NWNE	ROURKE FEDERAL 31-18	PEABODY NATURAL GAS LLC	666 FNL	2051 FEL	G	PA	552
540319	48	71	18	NENW	ROURKE FEDERAL 21-18	PEABODY NATURAL GAS LLC	664 FNL	1922 FWL	G	PA	518
540320	48	71	18	NWNW	ROURKE FEDERAL 11-18	PEABODY NATURAL GAS LLC	663 FNL	619 FWL	G	PA	551
542007	48	71	18	SWSE	DUNLAP 18-34-48-71-A	USA EXPLORATION & PRODUCTION LLC	666 FSL	2024 FEL	GO	PA	402
542008	48	71	18	SESE	DUNLAP 18-44-48-71-A	USA EXPLORATION & PRODUCTION LLC	668 FSL	675 FEL	GO	PA	459
542009	48	71	18	SESW	DUNLAP 18-24-48-71-A	USA EXPLORATION & PRODUCTION LLC	665 FSL	1897 FWL	GO	PA	397
528830	48	71	18	NESW	ROURKE 1-18	QUINTANA PETROLEUM CORP	1993 FSL	1901 FWL	O	PA	10452
523494	48	71	18	NENE	ROURKE FEDERAL 1	COLTRANE CHARLES	669 FNL	660 FEL	O	PA	10466
522456	48	71	18	SWNW	RUARK 1	LARSON PERRY E	1980 FNL	660 FWL	O	PA	6020
506217	48	71	18	SESE	DUNLAP 1	DAVIS OIL COMPANY	660 FSL	660 FEL	O	PA	10560
523400	48	71	19	NENW	SHELL DUNLAP FEE 1	MIDWEST OIL CORPORATION	669 FNL	1970 FWL	O	PA	10453
527227	48	71	19	SWSE	RUBBER DUCKIE 1	MAXIM DRILLING & EXPL INC	497 FSL	1805 FEL	O	PA	10514
542069	48	71	19	NWNW	DUNLAP 19-11-48-71-A	ROCKY MOUNTAIN GAS INC	665 FNL	425 FWL	G	PA	369
542003	48	71	19	NENE	DUNLAP 19-41-48-71-A	USA EXPLORATION & PRODUCTION LLC	629 FNL	643 FEL	GO	PA	414
542004	48	71	19	SENE	DUNLAP 19-42-48-71-A	USA EXPLORATION & PRODUCTION LLC	2004 FNL	671 FEL	GO	PA	390
542005	48	71	19	NWNE	DUNLAP 19-31-48-71-A	USA EXPLORATION & PRODUCTION LLC	667 FNL	2018 FEL	GO	PA	391
542006	48	71	19	NENW	DUNLAP 19-21-48-71-A	ROCKY MOUNTAIN GAS INC	666 FNL	1898 FWL	G	PA	379
536481	48	71	19	SWNW	RAG 19-12	USA EXPLORATION & PRODUCTION LLC	1995 FNL	656 FWL	GO	PA	404
536482	48	71	19	NWSW	RAG 19-13	USA EXPLORATION & PRODUCTION LLC	1992 FSL	463 FWL	GO	PA	404
536483	48	71	19	SWSW	RAG 19-14	USA EXPLORATION & PRODUCTION LLC	664 FSL	687 FWL	GO	PA	420
536484	48	71	19	SENW	RAG 19-22	USA EXPLORATION & PRODUCTION LLC	1997 FNL	1926 FWL	GO	PA	391
536485	48	71	19	NESW	RAG 19-23	USA EXPLORATION & PRODUCTION LLC	1987 FSL	1940 FWL	GO	PA	384
536486	48	71	19	SESW	RAG 19-24	USA EXPLORATION & PRODUCTION LLC	512 FSL	1941 FWL	GO	PA	364
536487	48	71	19	SWNE	RAG 19-32	USA EXPLORATION & PRODUCTION LLC	2000 FNL	2014 FEL	GO	PA	284
536488	48	71	19	NWSE	RAG 19-33	USA EXPLORATION & PRODUCTION LLC	1990 FSL	2010 FEL	GO	PA	394
536489	48	71	19	SWSE	RAG 19-34	ROCKY MOUNTAIN GAS INC	663 FSL	2006 FEL	G	SR	420
556643	48	71	19	NWSE	MOYER PILOT 19-33NW-48-71	LORAL OPERATING LLC	2324 FSL	2342 FEL	GO	PA	1037
556644	48	71	19	SWNE	MOYER PILOT 19-32SW-48-71	LORAL OPERATING LLC	2336 FNL	2350 FEL	GO	PA	1031
556645	48	71	19	SWNE	MOYER PILOT 19-32NW-48-71	LORAL OPERATING LLC	1668 FNL	2350 FEL	GO	PA	1003
556646	48	71	19	NWSW	MOYER PILOT 19-13SW-48-71	LORAL OPERATING LLC	1590 FSL	376 FWL	GO	PA	1073

Table 1.9-3, Oil and Gas Wells Within and Adjacent to the Belle Ayr Mine Permit Area											
Api Number	T	R	S	QQ	Well Name and No.	Company	Footage 1	Footage 2	Well Class	Status	Total Depth
556647	48	71	19	NWNE	MOYER PILOT 19-31SW-48-71	LORAL OPERATING LLC	996 FNL	2372 FEL	GO	PA	1049
556650	48	71	19	SENW	MOYER PILOT 19-22S-48-71	LORAL OPERATING LLC	2415 FNL	1833 FWL	GO	PA	1060
556651	48	71	19	SENW	MOYER PILOT 19-22N-48-71	LORAL OPERATING LLC	1566 FNL	2018 FWL	GO	PA	1050
556652	48	71	19	NWSW	MOYER PILOT 19-13NE-48-71	LORAL OPERATING LLC	2331 FSL	978 FWL	GO	PA	1062
556653	48	71	19	SWNW	MOYER PILOT 19-12SE-48-71	LORAL OPERATING LLC	2325 FNL	996 FWL	GO	PA	1082
556654	48	71	19	SWNW	MOYER PILOT 19-12NE-48-71	LORAL OPERATING LLC	1661 FNL	966 FWL	GO	PA	1074
556655	48	71	19	NWNW	MOYER PILOT 19-11SE-48-71	LORAL OPERATING LLC	1036 FNL	1007 FWL	GO	PA	1065
556656	48	71	19	NENW	MOYER PILOT 19-21S-48-71	LORAL OPERATING LLC	1081 FNL	1923 FWL	GO	PA	1053
556744	48	71	19	SWNW	MOYER PILOT 19-12-48-71	LORAL OPERATING LLC	1845 FNL	606 FWL	GO	PA	1070
556745	48	71	19	NWSW	MOYER PILOT 19-13-48-71	LORAL OPERATING LLC	1960 FSL	503 FWL	GO	PA	1055
556746	48	71	19	SENW	MOYER PILOT 19-22-48-71	LORAL OPERATING LLC	1922 FNL	1906 FWL	GO	PA	1044
556747	48	71	19	NESW	MOYER PILOT 19-23-48-71	LORAL OPERATING LLC	1972 FSL	1850 FWL	GO	PA	1052
556748	48	71	19	SWNE	MOYER PILOT 19-32-48-71	LORAL OPERATING LLC	2010 FNL	1944 FEL	GO	PA	1027
556749	48	71	19	NWSE	MOYER PILOT 19-33-48-71	LORAL OPERATING LLC	1978 FSL	1945 FEL	GO	PA	1040
556640	48	71	19	NESW	MOYER PILOT 19-23N-48-71	LORAL OPERATING LLC	2322 FSL	1996 FWL	GO	PA	1061
547187	48	71	20	NENW	CABALLO 21-20	PEABODY NATURAL GAS LLC	816 FNL	2019 FWL	G	NI	412
547188	48	71	20	SWNE	CABALLO 32-20	PEABODY NATURAL GAS LLC	1990 FNL	2018 FEL	G	NI	394
547189	48	71	20	NENE	CABALLO 41-20	PEABODY NATURAL GAS LLC	511 FNL	674 FEL	G	PG	388
536490	48	71	20	SESW	RAG 20-24	ROCKY MOUNTAIN GAS INC	667 FSL	1995 FWL	G	SR	550
536491	48	71	20	NWSE	RAG 20-33	ROCKY MOUNTAIN GAS INC	2000 FSL	2012 FEL	G	PA	550
536492	48	71	20	SWSE	RAG 20-34	ROCKY MOUNTAIN GAS INC	667 FSL	1999 FEL	G	SR	550
536493	48	71	20	NESE	RAG 20-43	ROCKY MOUNTAIN GAS INC	1997 FSL	671 FEL	G	SR	550
536494	48	71	20	SESE	RAG 20-44	ROCKY MOUNTAIN GAS INC	666 FSL	666 FEL	G	SR	550
542190	48	71	20	NWNW	DUNLAP 20-11-48-71-A	USA EXPLORATION & PRODUCTION LLC	668 FNL	673 FWL	GO	PA	418
542191	48	71	20	SENW	DUNLAP 20-22-48-71-A	USA EXPLORATION & PRODUCTION LLC	1997 FNL	2011 FWL	GO	PA	384
542115	48	71	20	SWNW	DUNLAP 20-12-48-71-A	USA EXPLORATION & PRODUCTION LLC	2003 FNL	671 FWL	GO	PA	390
527524	48	71	20	NENE	OUTLAW DRAW 20-1	READING & BATES PETROLEUM	661 FNL	674 FEL	O	PA	10510
523419	48	71	20	NESE	CLABAUGH 1	MAYER LEN	1980 FSL	660 FEL	O	PA	10450
524047	48	71	20	SENE	ROBB 1	MONCRIEF W A JR	1995 FNL	865 FEL	O	PA	10470
525356	48	71	20	SENW	DOME-SHELL 1-20	DOME PETROLEUM CORPORATION	2002 FNL	1995 FWL	O	PA	10332
523666	48	71	21	NWSE	FOLEY-MITCHUM 1	MONCRIEF W A JR	2194 FSL	2190 FEL	O	PA	10377
523549	48	71	21	NWSW	SIREN-SHELL 1	MONCRIEF W A JR	2194 FSL	666 FWL	O	PA	10480
529965	48	71	21	SWNW	SIREN FEE 1	EOG Y RESOURCES INC	1982 FNL	667 FWL	O	SR	10500
536495	48	71	21	SWSW	RAG 21-14	ROCKY MOUNTAIN GAS INC	667 FSL	665 FWL	G	PA	550
543831	48	71	21	NENW	CABALLO 21-21	PEABODY NATURAL GAS LLC	662 FNL	2047 FWL	G	PA	323
544857	48	71	21	SWNE	CABALLO 21-32	BLACKSTONE OPERATING INC	1991 FNL	1987 FEL	G	PA	308
543833	48	71	21	SWNW	CABALLO 21-12	PEABODY NATURAL GAS LLC	1983 FNL	724 FWL	G	PA	362
530130	48	71	22	SWSW	MITCHUM FOLEY 14-22	AMPOLEX WY INC	713 FSL	661 FWL	O	PA	10382

Table 1.9-3, Oil and Gas Wells Within and Adjacent to the Belle Ayr Mine Permit Area												
Api Number	T	R	S	QQ	Well Name and No.	Company	Footage 1	Footage 2	Well Class	Status	Total Depth	
524022	48	71	22	NESE	SOUTHLAND FEDERAL 22-9	ANSCHUTZ CORPORATION	1995 FSL	660 FEL	O	PA	10231	
529461	48	71	22	SESW	MITCHUM FEE 24-22	PACIFIC ENTERPRISES OIL CO USA	486 FSL	1944 FWL	O	PA	10332	
526427	48	71	25	SWNW	CASSIDY 1	DAVIS OIL COMPANY	2197 FNL	460 FWL	O	PA	10098	
529290	48	71	25	SWSE	CHAMBERS FEE 15-25	TBI EXPLORATION INC	830 FSL	1350 FEL	O	SP	9900	
529505	48	71	25	SESE	CHAMBERS FEE 16-25	ENCANA OIL AND GAS USA INC	828 FSL	1131 FEL	O	PA	9970	
505142	48	71	25	SWSE	CALOIL CHAMBERS 1	CHEVRON USA INC	830 FSL	1980 FEL	O	PA	10250	
530245	48	71	25	SWSW	CHAMBERS 13-25	CENEX	665 FSL	667 FWL	O	PA	10125	
523387	48	71	26	SESE	JV-MEADOWLARK FARMS 44-26	ECHO OIL CORPORATION	660 FSL	660 FEL	O	PA	10120	
528611	48	71	26	SWNE	MALMQUIST FEDERAL 32-26	MIDGARD ENERGY COMPANY	1997 FNL	2074 FEL	O	PA	10205	
528640	48	71	26	NESE	MOORE 43-26	URBAN OIL & GAS GROUP LLC	2098 FSL	850 FEL	I	AI	10121	
527739	48	71	26	NWNE	MALMQUIST 31-26	PINE HAVEN RESOURCES LLC	905 FNL	2190 FEL	O	PO	10182	
528476	48	71	26	SESW	MOORE 24-26	PUMA PETROLEUM I	1290 FSL	2153 FWL	O	PA	10170	
528355	48	71	26	NWSE	MOORE FEE 33-26	PETROGULF CORPORATION	2180 FSL	2180 FEL	O	PA	10201	
550081	48	71	26	NWSE	MOORE 33R - 26	URBAN OIL & GAS GROUP LLC	2237 FSL	2275 FEL	O	PO	10300	
527471	48	71	27	SWSW	TONI 1	DAVIS OIL COMPANY	657 FSL	51 FWL	O	PA	10300	
527433	48	71	27	SWNW	TISDALE CREEK 1-27	ANR PRODUCTION COMPANY	2072 FNL	590 FWL	D	PA	2208	
528641	48	71	27	SWSE	CLAYBAUGH 34-27	PUMA PETROLEUM I	665 FSL	1983 FEL	O	PA	10294	
530602	48	71	27	SESW	MEADOWLARK 24-27	APACHE CORPORATION	515 FSL	1985 FWL	O	PA	10175	
532466	48	71	27	SWSW	TISDALE 1-27	KEITH WALKER O & G CO LLC	1037 FSL	860 FWL	O	PO	10220	
529692	48	71	27	NESW	CABALLO CREEK FEE 1	CHS MCPHERSON REFINERY INC	2280 FSL	1580 FWL	O	PA	10320	
536503	48	71	28	NWNW	RAG 28-11	ROCKY MOUNTAIN GAS INC	663 FNL	665 FWL	G	PA	550	
536504	48	71	28	SWNW	RAG 28-12	HI-PRO PRODUCTION	1991 FNL	663 FWL	G	PA	550	
536505	48	71	28	NENW	RAG 28-21	HI-PRO PRODUCTION	662 FNL	1996 FWL	G	PA	550	
536506	48	71	28	SENW	RAG 28-22	ROCKY MOUNTAIN GAS INC	2038 FNL	1990 FWL	G	PA	550	
524146	48	71	28	NWNW	CLABAUGH 28-4	FANCHER OIL LLC	660 FNL	660 FWL	O	PA	10370	
527294	48	71	28	NENE	TISDALE CREEK 1-28	AMPOLEX WY INC	666 FNL	860 FEL	O	PA	10373	
523464	48	71	28	NWSE	CLABAUGH 2	CONSOLIDATED OIL & GAS INC	1994 FSL	1985 FEL	O	PA	10396	
526176	48	71	29	NWNE	MERGANSE 1	DAVIS OIL COMPANY	660 FNL	1993 FEL	O	PA	10510	
526177	48	71	30	SWNE	MERGANSE 2	DAVIS OIL COMPANY	1801 FNL	2004 FEL	O	PA	10561	
525123	48	71	30	SWNW	HEATER 1-30	INTEGRATED ENERGY INC	1980 FNL	660 FWL	O	PA	10631	
527374	48	71	30	NESE	MEADOWLARK 1	LARIO OIL & GAS COMPANY	2000 FSL	660 FEL	O	PA	10440	
527860	48	71	30	NENE	BADGER MEADOWLARK 1	ROCK OIL CORPORATION	667 FNL	668 FEL	O	PA	10481	
536507	48	71	30	NWNW	RAG 30-11	USA EXPLORATION & PRODUCTION LLC	663 FNL	640 FWL	GO	PA	382	
536508	48	71	30	SWNW	RAG 30-12	USA EXPLORATION & PRODUCTION LLC	1989 FNL	726 FWL	GO	PA	364	
536509	48	71	30	NWSW	RAG 30-13	USA EXPLORATION & PRODUCTION LLC	1983 FSL	656 FWL	GO	PA	341	
536510	48	71	30	SWSW	RAG 30-14	USA EXPLORATION & PRODUCTION LLC	661 FSL	655 FWL	GO	PA	337	
536511	48	71	30	NENW	RAG 30-21	ROCKY MOUNTAIN GAS INC	667 FNL	1949 FWL	G	SR	550	
536512	48	71	30	SENW	RAG 30-22	ROCKY MOUNTAIN GAS INC	2001 FNL	1964 FWL	G	SR	379	
530480	48	71	30	SWSE	HEATER 34-30	TBI EXPLORATION INC	856 FSL	1719 FEL	O	PA	10500	
530153	48	71	30	SWSE	HEATER 34-30	ENCANA OIL AND GAS USA INC	661 FSL	2001 FEL	O	PA	10550	
530023	48	71	30	NWSE	HEATER 33-30	ENCANA OIL AND GAS USA INC	1984 FSL	2002 FEL	O	PA	10549	
530337	48	71	30	SESW	HEATER 24-30	ENCANA OIL AND GAS USA INC	231 FSL	2242 FWL	O	SR	10555	
536513	48	71	30	NESW	RAG 30-23	ROCKY MOUNTAIN GAS INC	1981 FSL	1972 FWL	G	SR	359	
536514	48	71	30	SESW	RAG 30-24	ROCKY MOUNTAIN GAS INC	660 FSL	1974 FWL	G	SR	334	

Table 1.9-3, Oil and Gas Wells Within and Adjacent to the Belle Ayr Mine Permit Area												
Api Number	T	R	S	QQ	Well Name and No.	Company	Footage 1	Footage 2	Well Class	Status	Total Depth	
542391	48	71	31	NWNW	RAG 31-11-48-71-A	ROCKY MOUNTAIN GAS INC	665 FNL	658 FWL	G	PA	351	
542392	48	71	31	SWNW	RAG 31-12-48-71-A	ROCKY MOUNTAIN GAS INC	1996 FNL	665 FWL	G	PA	321	
528303	48	71	31	NWNE	STAR MEADOWLARK FEE 1	READING & BATES PETROLEUM	665 FNL	2000 FEL	O	PA	10575	
530458	48	71	31	NENW	HEATER 21-31	PRIMA EXPLORATION INC	858 FNL	2172 FWL	O	SR	10570	
530557	48	71	31	SENW	HEATER 22-31X	ENCANA OIL AND GAS USA INC	2450 FNL	2400 FWL	O	PA	10540	
530188	48	71	31	NENE	MEADOWLARK 1	EOG Y RESOURCES INC	466 FNL	866 FEL	O	PA	10602	
528752	48	71	31	SWNW	DUNLAP 2-31	MCADAMS ROUX & ASSOCIATES	2168 FNL	641 FWL	O	PA	10595	
525911	48	71	31	NWNW	DUNLAP FARMS 1	AMINOIL USA INC	860 FNL	660 FWL	O	PA	10692	
527020	48	71	31	NWSE	DUNLAP 34-31	CHARLTON RESOURCES CORP	2091 FSL	1998 FEL	O	PA	10552	
523809	48	71	32	NWNE	DUNLAP 31-32	COTTON PETROLEUM CORPORATION	660 FNL	1980 FEL	O	PA	10412	
527727	48	71	32	SWNW	DUNLAP 1-32	INEXCO OIL COMPANY	1994 FNL	879 FWL	O	PA	10649	
531483	48	71	34	SENW	BELLE AYR 6-34	ANSCHUTZ EXPLORATION CORPORATION	1960 FNL	2167 FWL	O	SR	10300	
526349	48	71	35	NENW	CLABAUGH 21-35	MAYCO EXPLORATION	666 FNL	2180 FWL	O	PA	10096	
525594	48	71	35	NESE	W-29140 ESPOSITO 1	ANADARKO E&P ONSHORE LLC	2055 FSL	490 FEL	O	PA	10150	
522745	48	71	35	SESE	CLAUBAUGH 44-35 1	ANADARKO E&P ONSHORE LLC	660 FSL	460 FEL	O	PA	10055	
505132	48	71	35	SWSW	GOVT 14-35	SWEPI LP	660 FSL	660 FWL	O	PA	10420	
527952	48	71	35	NWSE	CLABAUGH W-88110 869-1	KENNEDY & MITCHELL	1925 FSL	1867 FEL	O	PA	10112	
527919	48	71	36	NENE	BISHOP 41-36	WESTERN NATURAL GAS INC	500 FNL	500 FEL	O	PA	9950	
525492	48	71	36	NWSW	CENTURY 36-1	ELLBOGEN JOHN P LTD	1817 FSL	785 FWL	O	PO	10080	
523144	48	71	36	SESW	SULLIVAN 36-1	URBAN OIL & GAS GROUP LLC	660 FSL	1980 FWL	I	AI	9942	
530428	48	71	36	SWSW	CLABAUGH 14-36	CABOT OIL & GAS CORPORATION	562 FSL	590 FWL	O	PA	10175	
530145	48	71	36	SWNE	APACHE 36-32	APACHE CORPORATION	1817 FNL	1942 FEL	O	PA	10000	
542409	48	72	13	SESE	DUNLAP 13-44-48-72-A	USA EXPLORATION & PRODUCTION LLC	513 FSL	828 FEL	GO	PA	400	
541880	48	72	13	SENW	HUBER/RAG 13-22	LORAL OPERATING LLC	1992 FNL	2098 FWL	GO	PA	445	
533053	48	72	13	SWSW	FEDERAL 13-14 48-72	LORAL OPERATING LLC	667 FSL	661 FWL	G	SI	481	
530419	48	72	13	SWNW	GRUENENFELDER 13-12 48-72	LORAL OPERATING LLC	2026 FNL	587 FWL	GO	PA	469	
539382	48	72	13	NESE	RAG-HARROD 9-13-48-72A	LORAL OPERATING LLC	2120 FSL	734 FEL	GO	PA	404	
539393	48	72	13	SENE	RAG-HARROD 8-13-48-72A	LORAL OPERATING LLC	1986 FNL	671 FEL	G	PA	432	
539394	48	72	13	SWSE	RAG-HARROD 15-13-48-72A	LORAL OPERATING LLC	667 FSL	2133 FEL	GO	NI	444	
539395	48	72	13	NWSE	RAG-HARROD 10-13-48-72A	LORAL OPERATING LLC	2001 FSL	2023 FEL	GO	PA	444	
539405	48	72	13	SWNE	RAG-HARROD 7-13-48-72A	LORAL OPERATING LLC	1989 FNL	2012 FEL	GO	PA	464	
539406	48	72	13	NENW	RAG-HARROD 3-13-48-72A	LORAL OPERATING LLC	664 FNL	1997 FWL	GO	PA	515	
539407	48	72	13	NWNE	RAG-HARROD 2-13-48-72A	LORAL OPERATING LLC	663 FNL	2002 FEL	G	PA	494	
539408	48	72	13	NENE	RAG-HARROD 1-13-48-72A	LORAL OPERATING LLC	662 FNL	667 FEL	GO	PA	484	
544704	48	72	13	NESW	HIGH PLAINS 13-23	USA EXPLORATION & PRODUCTION LLC	2004 FSL	1997 FWL	GO	PA	445	
544705	48	72	13	SESW	HIGH PLAINS 13-24	USA EXPLORATION & PRODUCTION LLC	668 FSL	2095 FWL	GO	PA	461	
530470	48	72	13	NWSW	GRUENENFELDER 13-13	LORAL OPERATING LLC	1822 FSL	598 FWL	GO	PA	492	
530374	48	72	14	SESE	GRUENENFELDER 14-44 48-72	LORAL OPERATING LLC	687 FSL	685 FEL	GO	PA	474	

Table 1.9-3, Oil and Gas Wells Within and Adjacent to the Belle Ayr Mine Permit Area												
Api Number	T	R	S	QQ	Well Name and No.	Company	Footage 1	Footage 2	Well Class	Status	Total Depth	
530341	48	72	14	NESE	GRUENENFELDER 14-43 48-72	LORAL OPERATING LLC	2017 FSL	691 FEL	GO	PA	460	
541878	48	72	14	SESE	HUBER/RAG 14-41	LORAL OPERATING LLC	666 FNL	659 FEL	GO	PA	506	
533052	48	72	23	SENE	FEDERAL 23-42 48-72	LORAL OPERATING LLC	2049 FNL	845 FEL	G	SI	514	
544703	48	72	23	SESE	HIGH PLAINS 23-44	USA EXPLORATION & PRODUCTION LLC	668 FSL	815 FEL	GO	PA	435	
541892	48	72	23	NENE	HUBER/RAG 23-41	LORAL OPERATING LLC	668 FNL	665 FEL	GO	PA	535	
541893	48	72	23	NESE	HUBER/RAG 23-43	LORAL OPERATING LLC	2003 FSL	665 FEL	GO	PA	422	
525704	48	72	23	NENE	GRUENENFELDER 1	DORCHESTER EXPLORATION INC	800 FNL	830 FEL	O	PA	10837	
542067	48	72	24	NENE	DUNLAP 24-41-48-72-A	USA EXPLORATION & PRODUCTION LLC	664 FNL	679 FEL	GO	PA	392	
542068	48	72	24	NWNE	DUNLAP 24-31-48-72-A	USA EXPLORATION & PRODUCTION LLC	662 FNL	2036 FEL	GO	PA	412	
544707	48	72	24	SWSW	HIGH PLAINS 24-14	USA EXPLORATION & PRODUCTION LLC	669 FSL	665 FWL	GO	PA	412	
529563	48	72	24	SENW	GRUENENFELDER FEE 22-24	RIM OPERATING INC	1980 FNL	1980 FWL	I	AI	10800	
526243	48	72	24	NWNE	TROY 1	DAVIS OIL COMPANY	665 FNL	2017 FEL	O	PA	10537	
542400	48	72	24	NESW	RAG 24-23-48-72-A	USA EXPLORATION & PRODUCTION LLC	2016 FSL	1994 FWL	GO	PA	550	
542401	48	72	24	NWNW	RAG 24-11-48-72-A	USA EXPLORATION & PRODUCTION LLC	663 FNL	765 FWL	GO	PA	550	
542402	48	72	24	NWSW	RAG 24-13-48-72-A	USA EXPLORATION & PRODUCTION LLC	2006 FSL	665 FWL	GO	PA	550	
542403	48	72	24	NESE	DUNLAP 24-43-48-72-A	USA EXPLORATION & PRODUCTION LLC	1901 FSL	677 FEL	GO	PA	425	
542404	48	72	24	SENW	RAG 24-22-48-72-A	USA EXPLORATION & PRODUCTION LLC	2039 FNL	1904 FWL	GO	PA	550	
542405	48	72	24	NENW	RAG 24-21-48-72-A	USA EXPLORATION & PRODUCTION LLC	663 FNL	1994 FWL	GO	PA	550	
542406	48	72	24	NWSE	DUNLAP 24-33-48-72-A	USA EXPLORATION & PRODUCTION LLC	2014 FSL	2030 FEL	GO	PA	433	
542407	48	72	24	SWNE	DUNLAP 24-32-48-72-A	USA EXPLORATION & PRODUCTION LLC	1987 FNL	2033 FEL	GO	PA	442	
542408	48	72	24	SENE	DUNLAP 24-42-48-72-A	USA EXPLORATION & PRODUCTION LLC	1992 FNL	678 FEL	GO	PA	406	
542336	48	72	24	SESE	DUNLAP 24-44-48-72-A	USA EXPLORATION & PRODUCTION LLC	667 FSL	676 FEL	GO	PA	409	
542337	48	72	24	SWSE	DUNLAP 24-34-48-72-A	USA EXPLORATION & PRODUCTION LLC	671 FSL	2027 FEL	GO	PA	446	
529755	48	72	24	NWSE	RIDGEVIEW FEE 33-24	EEX CORPORATION	2012 FSL	1832 FEL	O	PA	10630	
529763	48	72	24	NENW	RIDGEVIEW FEE 21-24	RIM OPERATING INC	863 FNL	1995 FWL	I	NI	10630	
529681	48	72	24	SWNE	DUNLAP FEE 32-24	RIM OPERATING INC	1988 FNL	2334 FEL	O	PO	10610	
527341	48	72	25	NWNE	FAIRFAX 1	DAVIS OIL COMPANY	657 FNL	2226 FEL	O	PA	10660	
529579	48	72	25	NWSW	MORGAN FEE 12-25	AVALON ENERGY CORPORATION	1997 FSL	665 FWL	O	PA	10650	
536496	48	72	25	NWNE	RAG 25-31	USA EXPLORATION & PRODUCTION LLC	657 FNL	2025 FEL	GO	PA	458	
536497	48	72	25	SWNE	RAG 25-32	USA EXPLORATION & PRODUCTION LLC	1970 FNL	2023 FEL	GO	PA	394	
536498	48	72	25	NWSE	RAG 25-33	USA EXPLORATION & PRODUCTION LLC	2005 FSL	2022 FEL	GO	PA	384	
536499	48	72	25	SWSE	RAG 25-34	USA EXPLORATION & PRODUCTION LLC	669 FSL	2021 FEL	GO	PA	416	
536500	48	72	25	NENE	RAG 25-41	USA EXPLORATION & PRODUCTION LLC	660 FNL	845 FEL	GO	PA	550	
536501	48	72	25	NESE	RAG 25-43	USA EXPLORATION & PRODUCTION LLC	1991 FSL	674 FEL	GO	PA	270	
536502	48	72	25	SESE	RAG 25-44	USA EXPLORATION & PRODUCTION LLC	664 FSL	674 FEL	GO	PA	291	
544708	48	72	25	NWNW	HIGH PLAINS 25-11	USA EXPLORATION & PRODUCTION LLC	722 FNL	665 FWL	GO	PA	500	

Table 1.9-3, Oil and Gas Wells Within and Adjacent to the Belle Ayr Mine Permit Area												
Api Number	T	R	S	QQ	Well Name and No.	Company	Footage 1	Footage 2	Well Class	Status	Total Depth	
544709	48	72	25	NENW	HIGH PLAINS 25-21	USA EXPLORATION & PRODUCTION LLC	507 FNL	1995 FWL	GO	PA	365	
530666	48	72	25	NWNW	MORGAN 25-11	PIONEER OIL & GAS	664 FNL	665 FWL	O	PA	10679	
544698	48	72	26	NENE	HIGH PLAINS 26-41	USA EXPLORATION & PRODUCTION LLC	664 FNL	665 FEL	GO	PA	500	
530355	48	72	35	SWSE	THOMPSON 35-34 48-72	LORAL OPERATING LLC	676 FSL	2002 FEL	GO	PA	392	
541483	48	72	35	NWNE	RAG 35-31	LORAL OPERATING LLC	650 FNL	2000 FEL	GO	PA	429	
541484	48	72	35	SESE	RAG 35-44	LORAL OPERATING LLC	658 FSL	667 FEL	GO	PA	400	
541485	48	72	35	SENE	RAG 35-42	LORAL OPERATING LLC	1943 FNL	667 FEL	GO	PA	367	
541208	48	72	35	NESE	RAG 35-43	LORAL OPERATING LLC	1925 FSL	667 FEL	GO	PA	384	
541209	48	72	35	NENE	RAG 35-41	LORAL OPERATING LLC	548 FNL	507 FEL	GO	PA	372	
530490	48	72	35	NESE	THOMPSON FEE 35-43	MARTENS & PECK PRODUCTION CO	1946 FSL	666 FEL	G	PA	390	
530492	48	72	35	SWNE	THOMPSON 35-32	LORAL OPERATING LLC	1956 FNL	2073 FEL	GO	PA	437	
530459	48	72	35	NWSE	THOMPSON 35-33	LORAL OPERATING LLC	1955 FSL	1979 FEL	GO	PA	465	
530603	48	72	36	SWSW	STATE 36-14	ROCKY MOUNTAIN GAS INC	660 FSL	616 FWL	G	PA	373	
530442	48	72	36	NWSE	STATE 36-33	ROCKY MOUNTAIN GAS INC	1932 FSL	2124 FEL	G	PA	330	
542437	48	72	36	SWNE	STATE 36-32-48-72-A	ROCKY MOUNTAIN GAS INC	1954 FNL	2013 FEL	G	PA	352	
542438	48	72	36	NWNE	STATE 36-31-48-72-A	ROCKY MOUNTAIN GAS INC	651 FNL	2018 FEL	GO	NI	375	
542439	48	72	36	SWSE	STATE 36-34-48-72-A	ROCKY MOUNTAIN GAS INC	662 FSL	2042 FEL	G	PA	314	
542440	48	72	36	NWNW	STATE 36-11-48-72-A	ROCKY MOUNTAIN GAS INC	647 FNL	663 FWL	GO	PA	367	
526710	48	72	36	NESE	CABALLO CREEK 43-36	BURNETT OIL CO INC	1994 FSL	667 FEL	O	PA	10600	
530400	48	72	36	SWNW	STATE 36-12	ROCKY MOUNTAIN GAS INC	1865 FNL	725 FWL	GO	PA	337	
530401	48	72	36	NWSW	STATE 36-13	ROCKY MOUNTAIN GAS INC	1806 FSL	697 FWL	G	PA	340	
530402	48	72	36	NESW	STATE 36-23	MARTENS & PECK PRODUCTION CO	2019 FSL	2158 FWL	G	SR	400	

Table 1.9-3, Oil and Gas Wells Within and Adjacent to the Belle Ayr Mine Permit Area, Continued

See Map 1.9-4 for presentation of all wells within and adjacent to the permit boundary.

All wells are in Campbell County, Wyoming and have the API No. Prefix "49-00". Wells coded AP were issued a permit - no further information is presently available. This report is based on Information from the WOGCC records and is current as of February 22, 2018. Expired well permits have been excluded from the information presented above.

Status Codes for Well Files

PO = Producing Oil Well
 PG = Producing Gas Well
 DH = Dry Hole
 SI = Shut - In
 TA = Temporarily Abandoned
 PA = Permanently Abandoned
 AI = Active Injector
 DR = Dormant
 NI = Notice of Intent to Abandon
 SR = Subsequent Report of Abandonment
 EP = Expired Permit
 AP = Permit to Drill
 SP = Well Spudded
 WP = Waiting on Approval
 UNK = Unknown
 NR = No Report
 SO = Suspended Operations

Classification Codes:

O = Oil Well
 G = Gas Well
 C = Condensate
 I = Injector Well
 S = Source Well
 AP = Active Permit
 D = Disposal
 ST = Strat Test
 M = Monitor Well
 MW = Monitor Well (Not for Form 2 Reporting)
 GS = Gas Storage
 GO = Gas Orphaned
 OO = Oil Orphaned
 DO = Disposal Orphaned
 IO = Injector Orphaned
 MO = Monitor Well Orphaned

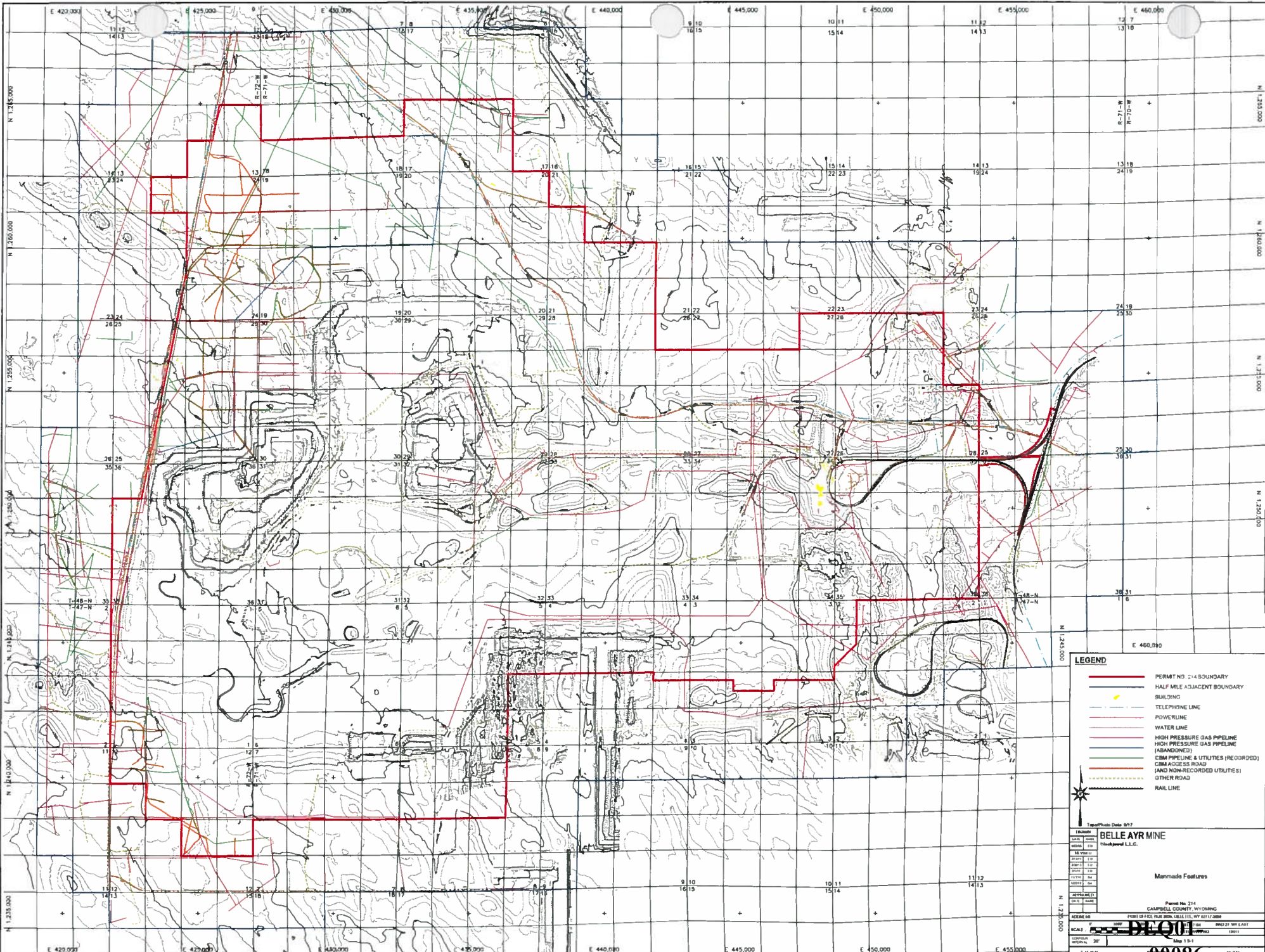
Status Codes for Form 2's:

O = Oil Well
 G = Gas Well
 C = Condensate
 I = Injector Well
 S = Source Well
 D = Disposal
 M = Monitor Well

Status Codes for APD Files:

AP = Active Permit
 EP = Expired Permit
 DP = Drilling or Drilled Permit
 NO = Denied or Cancelled
 WP = Waiting on Approval

Oil & Gas Search Area		
Township	Range	Sections
T47	R71	1-11, 18
T47	R72	1, 2, 11-13
T48	R70	30
T48	R71	16-36
T48	R72	13, 14, 23-26, 35, 36



LEGEND

- PERMIT NO. 214 BOUNDARY
- HALF MILE ADJACENT BOUNDARY
- BUILDING
- TELEPHONE LINE
- POWERLINE
- WATER LINE
- HIGH PRESSURE GAS PIPELINE
- HIGH PRESSURE GAS PIPELINE (ABANDONED)
- CMA PIPELINE & UTILITIES (RECORDED)
- CMA ACCESS ROAD (AND NON-RECORDED UTILITIES)
- OTHER ROAD
- RAIL LINE

Topographic Date: 9/77

BELLE AYR MINE
Hickwood L.L.C.

Manned Features

Parcel No. 214
CAMPELL COUNTY, WYOMING
PORT OF CO. PLAT 1000 (S&L) 10/27/12 2008

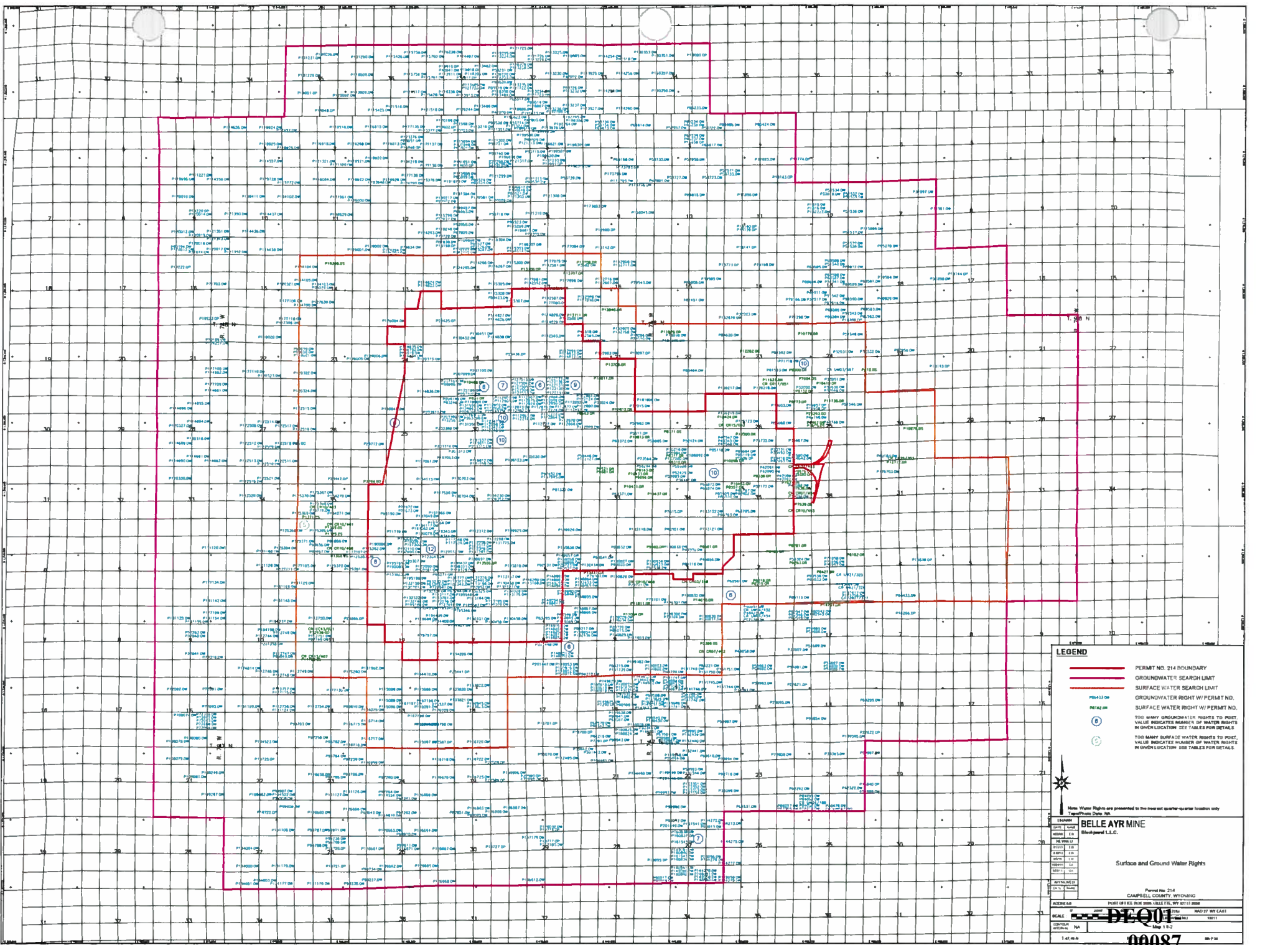
APPROVED: [Signature]

SCALE: 1" = 200'

DATE: 10/27/14

Map 1 of 1

00086



LEGEND

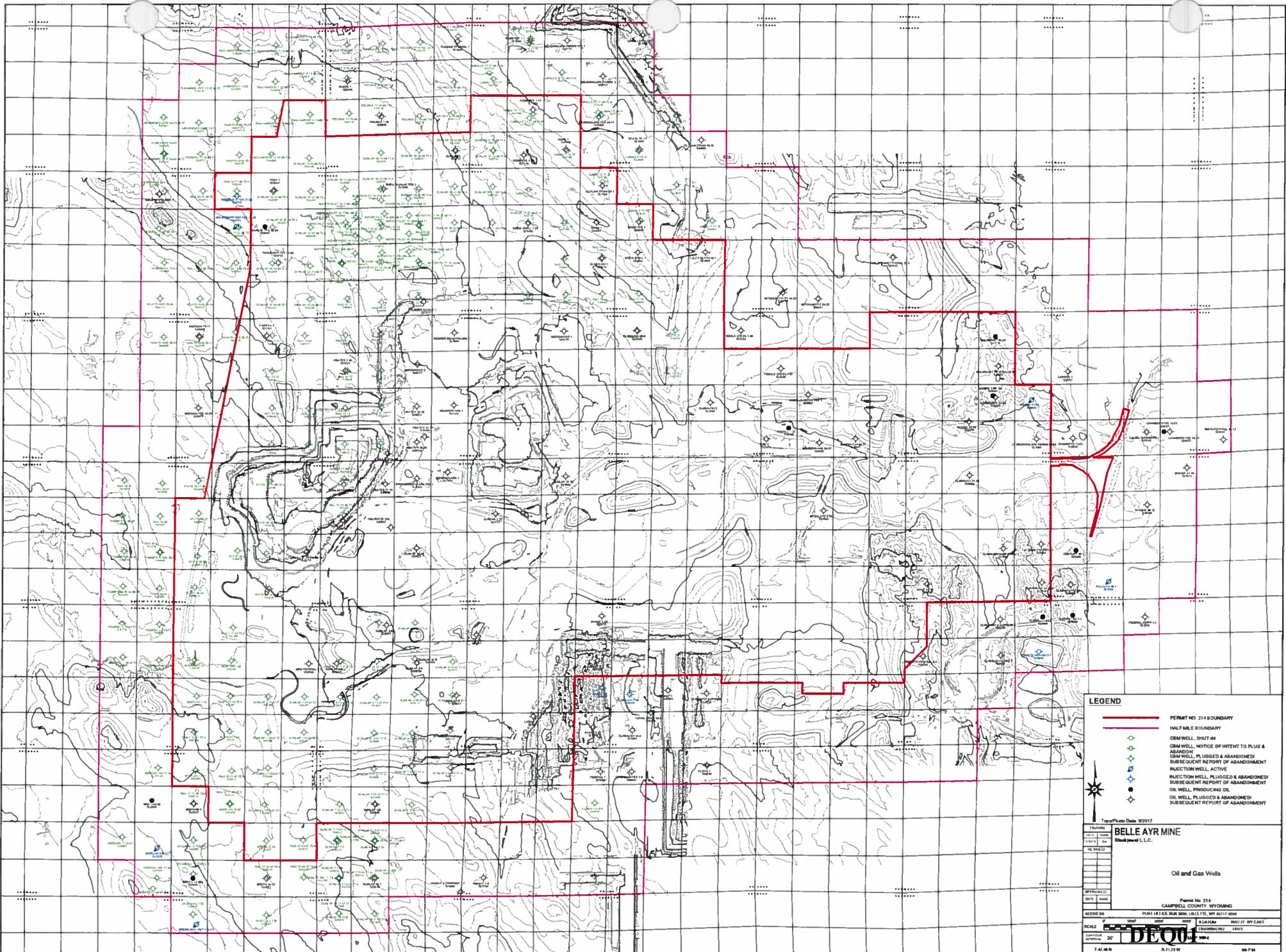
- PERMIT NO. 214 BOUNDARY
- GROUNDWATER SEARCH LIMIT
- SURFACE WATER SEARCH LIMIT
- GROUNDWATER RIGHT W/ PERMIT NO.
- SURFACE WATER RIGHT W/ PERMIT NO.
- Ⓢ YOUR BARRY COUNCILOR RIGHTS TO POINT VALUE INDICATES NUMBER OF WATER RIGHTS IN GIVEN LOCATION SEE TABLE FOR DETAILS
- Ⓣ YOUR BARRY SURFACE WATER RIGHTS TO POINT VALUE INDICATES NUMBER OF WATER RIGHTS IN GIVEN LOCATION SEE TABLE FOR DETAILS

Map No. 214
 CAMPBELL COUNTY WYOMING
BELLE AYMINE
 Blackjewel L.L.C.

Surface and Ground Water Rights

Permit No. 214
 CAMPBELL COUNTY WYOMING
DEQU MADE BY MY CASE
 SCALE: 1" = 400' DATE: 10/11/2011
 1:47:46 N 88 W 34

00087



- LEGEND**
- PERMIT NO. 2148 BOUNDARY
 - HALF MILE BOUNDARY
 - ◆ CRAM WELL, SHUT-IN
 - ◆ CRAM WELL, NOTICE OF INTENT TO PLUG & ABANDON
 - ◆ CRAM WELL, PLUGGED & ABANDONED
 - ◆ CRAM WELL, PLUGGED & ABANDONED
 - ◆ SUBSEQUENT REPORT OF ABANDONMENT
 - ◆ INJECTION WELL, ACTIVE
 - ◆ INJECTION WELL, PLUGGED & ABANDONED
 - ◆ SUBSEQUENT REPORT OF ABANDONMENT
 - ◆ OIL WELL, PRODUCING OR
 - ◆ OIL WELL, PLUGGED & ABANDONED
 - ◆ SUBSEQUENT REPORT OF ABANDONMENT

Topo/Plane Data: W2017

BELLE AYR MINE
Blackfoot L.L.C.

Oil and Gas Wells

Permit No. 214
CAMPBELL COUNTY, WYOMING

DATE: _____

APPROVED BY: _____

SCALE: _____

1:47,468 N 87° 17' 28" W 68° 58'

00088

SECTION 1.10

Statement of Compliance and Right of Entry

This statement is given to meet the requirements of the Department of Environmental Quality - Land Quality Division current Coal Rules and Regulations, Chapter 2, Section 2 a(ii)-(v).

Neither Contura Coal West, LLC nor any entities controlled by or under common control with Contura Coal West, LLC has had any mining permit suspended or revoked in the last five years or forfeited a mining bond or similar security deposit in lieu of a bond.

A list of notices of violation pursuant to W.S. 35-11-406 (a)(xiv) describing the violation, when it occurred, any abatement action taken, the issuing regulatory authority, and any proceedings initiated concerning the violation is contained in Table 1.10-2 following this text. All surface coal mining operations owned or controlled by Contura Coal West, LLC are currently in compliance with all applicable laws referred to in 35-11-406 (a)(xiv).

The necessary right of entry statements and documents required by W.S. 35-11-406 (a)(ii) and (b)(xi) are found in the "Surface Owner's Consent" Section 1.4. These documents clearly explain and support the legal rights claimed by Contura Coal West, LLC; none of which are subject to pending litigation.

All lands, interests in lands, options, or pending bids on interests held or made by Contura Coal West, LLC for lands which are contiguous to the Belle Ayr Mine permit area are identified in Section 1.7 (Appendix B).

No part of the area to be mined under this permit is within an area designated unsuitable for surface coal mining pursuant to W.S. 35-11-425, within an area under study for such an unsuitable designation, or within an area where mining is prohibited pursuant to Chapter 12 Section 1a(v).

The list identifying the Mine Safety and Health Administration identification number for the Belle Ayr Mine, and licenses, permits or approvals needed by Contura Coal West, LLC to conduct the proposed operation, whether and when they have been issued, the issuing authority, and the steps to be taken to comply with the requirements follows in Table 1.10-1. Included are:

- Copies or identifying numbers of all permits obtained from the State Engineer or from any other division of the Department of Environmental Quality, together with the following:
- References to where the information from the application for the approved Air Quality construction permit which affirmatively demonstrates an air quality monitoring program that provides sufficient data to evaluate the effectiveness of the fugitive dust control measures that are required to be used can be found.
 - References to where the following information from the application for the approved Water Quality permit can be found to affirmatively demonstrate:

That Belle Ayr Mine has a detailed plan, with appropriate maps and cross sections, to control, protect, and treat, as necessary surface and groundwater regime within the mining permit area and adjacent areas in accordance with the standards set out by the Water Quality Division. The plan includes the approved quantitative limits on pollutants in discharges of water from all point sources as required by the most stringent applicable laws.

Monitoring programs for groundwater and surface water quality and quantity are described in Sections 2.6, 3.5, 4.6, and 5.3.

Belle Ayr Mine's solid waste management program is presented in Section 3.6.

All applications for permits to construct reservoirs as approved by the Wyoming State Engineer are provided in Section 3.5.

For any permits or approvals which have not been obtained, the information required which has been or will be submitted to the agencies involved, will be as shown in design and detail plans in this application, or as appropriately modified. All necessary permits from other agencies will be obtained prior to commencing construction, installation, or modification of the applicable structure.

Identification of Interests Including Owners of Record

Pursuant to Chapter 2, Section 2, a.(i)(B) of the Wyoming Department of Environmental Quality - Land Quality Division current Rules and Regulations, Contura Coal West, LLC is providing in Table 1.10-4 the names and addresses of principal shareholders, officers and directors, and the resident agent of the applicant. In addition, the names under which the applicant operates or previously operated a surface coal mining operation in the United States within the five years preceding the date of application are also included.

**TABLE 1.10-1
List of Current Licenses and Permits**

<u>Authority Issuing and Permit</u>	<u>Date Issued</u>
<u>WYOMING PUBLIC LAND BOARD:</u>	
(1) COAL LEASES:	
• State Lease No. 0-26954A	effective April 2, 2005
<u>BUREAU OF LAND MANAGEMENT:</u>	
(1) COAL LEASES:	
• Modified Logical Mining Unit – WYW133407 (CASPLMU12) effective August 1, 1992, approved January 18, 2011 combines Federal leases WYW0317682 (Original - 09/01/65), WYW-80954 (10/1/82), WYW-78629 (9/1/82), Fee Coal and Wyoming State Coal Lease 0-26954A	
• Lease-By-Application (LBA) WYW161248	Effective 11/1/2011
(2) SCORIA LEASES:	
Federal WYW - 184923	
(3) RESOURCE RECOVERY and PROTECTION PLAN (R2P2) Modifications:	
• Original Lease	September 1, 1965
• North Duck Nest and South Duck Nest Lease	August 29, 1985
• Coal Recovery Line Modification	July 10, 1989
• Create LMU (CASPLMU12)	December 18, 1991
• Coal Fender Adjustment	July 9, 1999
• Mine Plan Sequence	August 30, 1999
• LBA 2000	April 18, 2001
<u>MINE SAFETY and HEALTH ADMINISTRATION:</u>	Number: 48-00732 (not a permit)
<u>LAND QUALITY DIVISION - Department of Environmental Quality:</u>	
Permit No. 214-T8	renewed October 28, 2013
<u>WATER QUALITY DIVISION - Department of Environmental Quality:</u>	
Permit for Septic System 83-535	10/28/83
Permit for Septic System 87-363	12/09/87
Permit to Construct Monitoring Wells 90-347	10/25/90
NPDES Permit No. WY0003514 (Point Source)	12/31/22 exp.
NPDES Permit No. WYR000209 (Stormwater)	08/31/22 exp.

**TABLE 1.10-1
(continued)**

List of Current Licenses and Permits

WYOMING STATE ENGINEER'S OFFICE - Groundwater:

Water and Observation Wells by Name	Permit Number (U.W.)	Date Issued
1 ST ENL BELLE AYR #2	P51362W	2/28/80
2ND ENL SCORIA HOLE #1	P33493W	5/24/76
3RD ENL SCORIA HOLE #1	P65874W	5/25/83
A401	P68986W	11/5/84
A401Y	P63248W	2/22/83
AV5 3	P71674W	12/30/85
B110HC	P62802W	12/7/82
B110ZC	P66767W	4/3/84
B161PD=B136KC	P57177W	10/1/81
B57EG	P66763W	4/3/84
B59FJ	P66765W	4/3/84
BA Ranch 24 12 Harrod	P76634W	4/25/88
BAS 17 A	P42088W	11/20/80
BAS 17 B	P42089W	11/20/80
BAS 17 C	P42090W	11/20/80
BAS 17 D	P42091 W	11/20/80
BAS 17 E	P42092W	11/20/80
BAS 17 F	P42093W	11/20/80
BAS 17H=BAS 20	P35467W	10/1/76
BAS20S	P66042W	12/6/83
BELLE AYR #2	P30276W	8/28/74
BELLE AYR #4	P92663W	7/30/93
BELLE AYR #5	P162280	8/30/04
BELLE AYR GUARD	P83664W	9/27/90
BELLE AYR SOUTH PIT	P30345W	10/10/74
CASSIDY #3	P16959P	12/31/39
CLABAUGH #4	P5515P	8/26/64
DFW #1	P83610W	9/20/90
DFW #10	P84866W	3/16/91
DFW #11	P85509W	7/2/91
DFW #12	P85510W	4/10/96
DFW #2	P83611 W	9/20/90
DFW #3	P83612W	9/20/90
DUNLAP #1	P23435P	7/26/73
DUNLAP #2	P23436P	7/26/73
DUNLAP #7 (DEEPENED)	P23441P	7/26/73
DUNLAP #8	P23442P	7/26/73
EARL #2	P5511P	4/13/51
ENL BELLE AYR GUARD WELL	P85119W	5/20/91

**TABLE 1.10-1
(continued)**

List of Current Licenses and Permits

Water and Observation Wells by Name	Permit Number (U.W.)	Date Issued
ENL BELLE AYR MINE - EAST SUMP	P85118W	5/20/91
ENL PLANT #2 WELL	P85120W	5/20/91
ENL SCORIA HOLE# 1	P30731 W	7/10/75
HAMER #1	P5509P	12/31/02
LBA-10C	P114830W	4/1/99
LBA-10D	P114831W	4/1/99
LBA-12C	P114832W	4/1/99
LBA-12D	P114833W	4/1/99
LBA-14C	P114834W	4/1/99
LBA-14D	P114835W	4/1/99
LBA-1C	P114823W	4/1/99
LBA-1D	P114824W	4/1/99
LBA-21C	P114836W	4/1/99
LBA-6C	P114826W	4/1/99
LBA-6D	P114827W	4/1/99
LBA-7C	P114828W	4/1/99
LBA-7D	P114829W	4/1/99
MORGAN ORIGINAL #1	P24866P	10/12/73
MORGAN #1	P61G	12/21/49
N11	P30024W	5/30/75
NORTH PIT RESERVOIR #1	P81322W	8/29/89
P551273	P122563W	1/26/00
P568375	P122124W	3/24/00
P571375	P122121W	1/21/00
P577293	P122196W	1/21/00
P577372	P122116W	1/21/00
P577375	P122115W	1/21/00
P581303	P122184W	1/21/00
P581309	P122176W	1/21/00
P581362	P122131W	1/21/00
P581365	P122128W	1/21/00
P581369	P122114W	1/21/00
P581375	P122113W	1/21/00
P584342	P122147W	1/21/00
P584346	P122144W	1/21/00
P584352	P122139W	1/21/00
P584355	P122136W	1/21/00
P584359	P122133W	1/21/00
P584362	P122130W	1/21/00
P584365	P122127W	1/21/00
P584369	P122112W	1/21/00

**TABLE 1.10-1
(continued)**

List of Current Licenses and Permits

Water and Observation Wells by Name	Permit Number (U.W.)	Date Issued
P584372	P122111W	1/21/00
PL1901	P95746W	6/20/94
PL1902	P95747W	6/20/94
PL1902-1	P97483W	10/18/94
PL1903	P95748W	6/20/94
PL2401	P95749W	6/20/94
PL2402	P95750W	6/20/94
PL2403	P95751W	6/20/94
PL2501	P95752W	9/1/94
PL2502	P95753W	9/1/94
PL3001	P95754W	6/20/94
PLANT #2	P36441 W	12/17/76
RAY #1	P3582W	11/17/69
ROBB #3=A563C	P44518W	8/4/78
RW 0402	P103119W	7/24/96
RW 2701	P43545W	5/22/78
RW 2703	P43547W	5/22/78
RW 2704	P43548W	5/22/78
RW 2705	P52424W	6/10/80
RW 2706	P55984W	2/26/81
RW 2707	P70216W	5/20/85
RW 2804	P73594W	11/3/86
RW2902	P70217W	5/20/85
RW 3201	P109926W	5/4/98
RW 3304-1	P69371 W	2/11/85
RW 3401	P52425W	6/10/80
RW 3402	P55988W	2/26/81
RW 3403	P55989W	2/26/81
RW 3404	P103121W	7/24/96
RW 3405	P103122W	7/24/96
RW 3406	P59294W	12/24/81
RW 3407	P65873W	10/31/83
RW3408	P70224W	5/20/85
RW 3409	P103123W	7/26/96
SCORIA HOLE #1	P29416W	3/11/74
TRAILER WELL #1	P3398OW	6/22/76
UB 0301	P8650OW	10/31/91
UB3301	P103118W	7/24/96
UB3401	P86501W	10/31/91
WRRI 9	P30034W	5/30/75
NESE SECTION 25 DEWATER (12 WELLS)	P203314W	3/15/15

**TABLE 1.10-1
(continued)**

List of Current Licenses and Permits

Water and Observation Wells by Name	Permit Number (U.W.)	Date Issued
SENE SECTION 25 DEWATER (12 WELLS)	P203388W	3/31/15
SWNW SECTION 30 DEWATER (12 WELLS)	P203389W	7/15/15
SENW SECTION 30 DEWATER (12 WELLS)	P203390W	1/28/15
NENE SECTION 25 DEWATER (12 WELLS)	P203811W	1/28/15
SESE SECTION 25 DEWATER (5 WELLS)	P197053W	7/15/15
NENW SECTION 30 DEWATER (12 WELLS)	P206146W	3/31/15
NWNW SECTION 30 DEWATER (12 WELLS)	P206145W	8/30/16
NESE SECTION 24 DEWATER (12 WELLS)	P207097W	8/30/16
SESE SECTION 24 DEWATER (12 WELLS)	P207098W	4/21/17
NWSW SECTION 19 DEWATER (12 WELLS)	P207099W	4/21/17
NESW SECTION 19 DEWATER (12 WELLS)	P207100W	4/21/17
SWSW SECTION 19 DEWATER (12 WELLS)	P207101W	4/21/17
SESW SECTION 19 DEWATER (12 WELLS)	P207102W	4/21/17

**TABLE 1.10-1
(continued)**

List of Current Licenses and Permits

WYOMING STATE ENGINEER'S OFFICE – Surface Water:

Reservoir	Authority Issuing & Permit	Priority Date
BANPDES 002	SE-9038-RES	5/30/85
BANPDES 013	SE-9096-RES	7/2/85
BANPDES 015	SE-9143-RES	5/30/85
BANPDES 019	SE-10431-RES	9/17/96
Boneyard Sediment	SE-8557-RES	9/14/81
Caballo Lake	SE-13555-RES	2/3/10
Coal Barn	SE-10288-RES	11/3/93
Coal Haul Road	SE-8311-RES	6/9/81
Duck Nest	SE-10488-RES	11/22/96
Gralla's Gulch Sediment	SE-8310-RES	6/9/81
Northwest	SE-8663-RES	7/11/83
Sediment BA8	SE-P9280R	7/9/87
Sediment BA8 ENL.	SE-9676-RES	10/17/90
Sediment BA10	SE-10432-RES	9/17/96
Sediment BA34	SE-10433-RES	9/17/96
Sediment BA57	SE-10437-RES	9/17/96
Temporary North Pit	SE-9521-RES	7/10/89
Upper Gralla's Gulch	SE-8771SR	1/28/81

**TABLE 1.10-1
(continued)**

List of Current Licenses and Permits

OTHER:

AIR QUALITY DIVISION - Department of Environmental Quality:

Permit No. P0014896

6/3/2015

BUREAU OF ALCOHOL, TOBACCO AND FIREARMS (Dept. of Treasury):

20-Manufacturer of High Explosives: License 5-WY-005-20-1C-00323
(Expiration 03-01-2021)

U.S. NUCLEAR REGULATORY COMMISSION:

License #49-26963-03

FEDERAL COMMUNICATIONS COMMISSION:

KTY898

Expires 8/25/2023

U.S. FISH & WILDLIFE SERVICE:

Migratory Birds of High Federal Interest and Raptor Mitigation Plan
(approved 1/29/2016)

Table 1.10-2

Contura Coal West, LLC - Review of Three-Year Violation History

Permittee	Permit #	MSHA #	NOV #	Inspector	Date Issued	Status	Violation Activity
Alpha Coal West, Inc.	428	48-01078	5632-15	Kurt King	11/18/2015	NOV Issued	Description of Violations: Spoil was dozed onto topsoil at a reclaimed area.
					5/27/2016	Abated/Terminated	Current Actions Taken to Abate: Area was cleaned in November 2015 and then re-seeded on May 18, 2016. Area was inspected on May 26, 2016 by Stacy Page/DEQ-LQD and violation was terminated on May 27, 2016.

Table 1.10-3

Permits and Pending Applications

Mining is authorized by the permits listed after each of the following mines and the companies under which whose name the mines were operated.

All permits issued within the last 5 years preceding the date of this application for surface coal mining operations in the United States.

Permitee	Mine Name	SMCRA Number	Location	Status	Expiration Date
Contura Coal West, LLC	Eagle Butte Mine	428	Eagle Butte Mine	Active	11/3/2020
Contura Coal West, LLC	Belle Ayr Mine	214	Belle Ayr Mine	Active	10/28/2018

Table 1.10-4 – PRINCIPAL OFFICERS AND DIRECTORS

Contura Coal West, LLC			
Address	Belle Ayr Mine P.O. Box 3039 Gillette, WY 82717-3039	Eagle Butte Mine P.O. Box 3040 Gillette, WY 82717-3040	
FEIN#	81-2965229		
Name	Position	Beginning Date	Ending Date
Shane D. Durgin	Manager and President	6/15/2016	12/09/2017
Mark M. Manno	Vice President & Secretary	7/26/2016	
C. Andrew Eidson	Vice President	7/26/2016	12/09/2017
C. Andrew Eidson	Manager and President	12/09/2017	
C. Andrew Eidson	Treasurer	7/26/2016	
Kenneth E. Ferguson	Vice President	6/15/2016	12/09/2017

Contura Energy, Inc.			
Address	P.O. Box 848 Bristol, TN 37621-0848		
FEIN#	81-3015061		
Name	Position	Beginning Date	Ending Date
Kevin S. Crutchfield	CEO and Director	7/26/2016	
Gary W. Banbury	EVP & Chief Administrative Officer	7/26/2016	1/18/2018
Andrew Eidson	EVP, CFO & Treasurer	7/26/2016	
John S. DeGroote	Director	6/10/2016	7/26/2016
John S. DeGroote	President & Secretary	6/15/2016	7/26/2016
Mark M. Manno	EVP & Secretary	7/26/2016	
Mark M. Manno	General Counsel & CPO	7/26/2016	1/18/2018

Table 1.10-4 – PRINCIPAL OFFICERS AND DIRECTORS

Mark M. Manno	Chief Administrative Officer & Chief Legal Officer	1/18/2018	
Victor K. Hainer	Executive Vice President – Mining Operations	7/26/2016	1/18/2018
Suzan E. Moore	Chief HR Officer & Senior VP – Administration	1/18/2018	
Jill M. Harrison	General Counsel & SVP	1/18/2018	
Bruce A. Hartshorn	SVP – Sales & Marketing	7/26/2016	10/28/2016
Albert Ferrara, Jr.	Director	7/26/2016	
Anthony Orlando	Director	9/07/2017	
J. Scott Kreutzer	COO & EVP	1/18/2018	
Jonathan Segal	Director	7/26/2016	2/13/2018
Kevin L. Stanley	Chief Commercial Officer & EVP	4/28/2017	
Kevin L. Stanley	SVP – Sales & Marketing	10/28/2016	4/28/2017
Neale X. Trangucci	Chairman	10/9/2016	
Neale X. Trangucci	Director	7/26/2016	
Michael Ward	Director	9/07/2017	

Contura Energy, LLC

Address P.O. Box 848
Bristol, TN 37621-0848

FEIN# 81-2970899

Name	Position	Beginning Date	Ending Date
Kevin S. Crutchfield	CEO	7/26/2016	
Stanley E. Bateman, Jr.	Manager and President	6/15/2016	7/26/2016
Andrew Eidson	Manager and President	7/26/2016	

Table 1.10-4 – PRINCIPAL OFFICERS AND DIRECTORS

Gary W. Banbury	EVP & Chief Administrative Officer	7/26/2016	1/18/2018
Jill M. Harrison	General Counsel	1/18/2018	
Mark M. Manno	EVP & Secretary	7/26/2016	
Mark M. Manno	General Counsel	7/26/2016	1/18/2018
Mark M. Manno	Chief Administrative Officer & Chief Legal Officer	1/18/2018	
Suzan E. Moore	Chief HR Officer and SVP	2/01/2018	

Contura Mining Holding, LLC			
Address	P.O. Box 848 Bristol, TN 37621-0848		
FEIN#	81-2992856		
Name	Position	Beginning Date	Ending Date
Kevin S. Crutchfield	CEO	7/26/2016	
Mark M. Manno	Manager, President, and Secretary	7/26/2016	
Mark M. Manno	General Counsel	7/26/2016	1/18/2018
Jill M. Harrison	General Counsel	1/18/2018	
Andrew Eidson	Executive Vice President, CFO & Treasurer	7/26/2016	
Stanley E. Bateman, Jr.	Manager & President	6/15/2016	7/26/2016

INDEX SHEET FOR MINE PERMIT AMENDMENTS OR REVISIONS

Page 1 of 1
Date 5/29/2018
TFN (insert TFN)

Mine Company Name: **Blackjewel, L.L.C.**
Original Submittal Date: 5/29/18

Mine Name: **Belle Ayr Mine**

Permit No: **214-T8**

STATEMENT: I, Gretchen Anderson, an authorized representative of Blackjewel, L.L.C. declare that only the items listed on this and all consecutively numbered Index Sheets are intended as revisions to the current permit document. In the event that other changes inadvertently occurred due to this revision, those unintentional alterations will not be considered approved. Please initial and date GA 5/29/18.

- NOTES: 1) Include all revision or change elements and a brief description of or reason for each revision element.
2) List all revision or change elements in sequence by volume number; number index sheets sequentially as needed.

VOLUME NO.	PAGE, MAP OR OTHER PERMIT ENTRY TO BE REMOVED	PAGE, MAP OR OTHER PERMIT ENTRY TO BE ADDED	DESCRIPTION OF CHANGE
1	Volume 1 Table of Contents Pages TC1-1 and TC1-2	Volume 1 Table of Contents Pages TC1-1 and TC1-2	Updated map revision dates and Section 1 page numbers
1	Section 1.1 Form 1	Section 1.1 Form 1	Insert new Form 1 after approval
1	Section 1.6 All	Section 1.6 All	All Section 1.6 text and tables have been updated with current information from courthouse search conducted on May 21, 2018
1	Map 1.6-1	Map 1.6-1	Updated Map 1.6-1 - Surface Ownership.
1	Map 1.6-2	Map 1.6-2	Updated Map 1.6-2 - Coal Ownership
1	Map 1.6-3	Map 1.6-3	Updated Map 1.6-3 - Mineral Ownership (Other Than Coal)
1	Section 1.7 All	Section 1.7 All	All Section 1.7 text and tables have been updated with current information from courthouse search conducted on May 21, 2018
1	Section 1.9 All	Section 1.9 All	All Section 1.9 tables have been updated with current information from the Wyoming Oil and Gas Conservation Commission and the Wyoming State Engineer's Office.
1	Map 1.9-1	Map 1.9-1	Updated Map 1.9-1 - Man Made Features.
1	Map 1.9-2	Map 1.9-2	Updated Map 1.9-2 - Surface and Ground Water Rights.
1	Map 1.9-4	Map 1.9-4	Updated Map 1.9-4 - Oil and Gas Wells.
1	Section 1.10 All	Section 1.10 All	Table 1.10-1 Pages 1-6 - revised list of current licenses and permits Table 1.10-2 Page 1 - revised three-year violation history Table 1.10-4 Pages 1-4 -revised list of principal officers and directors
1	Section 1.11	Section 1.11	Insert new Proof of Publication (Publisher's Affidavit) after approval.
1	Section 1.12	Section 1.12	Insert new Proof of Filing (County Clerk's Affidavit) after approval.

BLACKJEWEL

Belle Ayr and Eagle Butte Mines

May 29, 2018

Mr. Mark Rogaczewski
Land Quality Division
Department of Environmental Quality
2100 West 5th Street
Sheridan, WY 82801

Re: Renewal Application, Belle Ayr Mine, Permit No. 214-T8

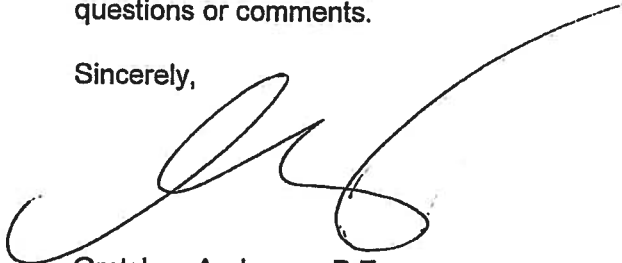
Dear Mark:

Enclosed please find two copies of the index sheet, text, tables, and maps prepared for the Belle Ayr Mine Permit No. 214 renewal application. Also enclosed is a completed Form 1 and a check for \$2,000.00 for the required application fee.

This submittal is a straight renewal with no additional modifications.

Thank you for reviewing this submittal. Please call me at (307) 687-3413 if you have any questions or comments.

Sincerely,



Gretchen Anderson, P.E.
Environmental Compliance Manager

BLACKJEWEL

Belle Ayr and Eagle Butte Mines

June 18, 2018

Mr. Mark Rogaczewski
Land Quality Division
Department of Environmental Quality
2100 West 5th Street
Sheridan, WY 82801

Re: Unsolicited Corrections, Belle Ayr Mine Permit No. 214-T9 Permit Renewal Application, TFN 6 1/315

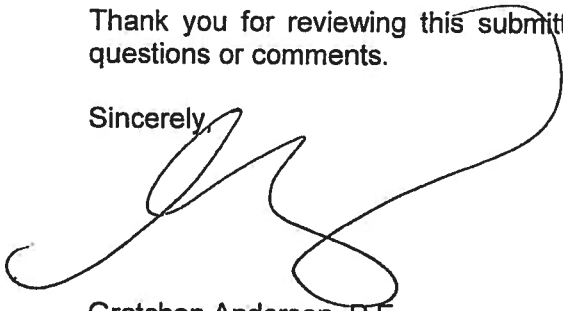
Dear Mark:

Enclosed please find a replacement hard copy of two maps and one table for the Belle Ayr Mine permit renewal. A revised Index Sheet is also included. The enclosed materials contain corrections and/or reflect changes that have occurred since the original submittal. These changes pertain to items noticed on our end and are not in response to any comments received by LQD.

An electronic version of this submittal is also being provided for upload into MIDAS.

Thank you for reviewing this submittal. Please call me at (307) 687-3413 if you have any questions or comments.

Sincerely,



Gretchen Anderson, P.E.
Environmental Compliance Manager

VOLUME 1

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1.12	Proof of Filing	1.12-1

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1.6-2	Coal Owners of Record in the Permit Area	1.6-3
1.6-3	Parties Having Other Valid Interests Within the Permit Area	1.6-4
1.7-1	Surface Owners of Record in the Adjacent Area	1.7-2
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1.7-3	Mailing List for Certain Permitting Actions.....	1.7-4
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VOLUME 1
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1.10-2	Review of Three-Year Violation History.....	Page 1
1.10-3	Permits and Pending Applications.....	Page 1
1.10-4	Principal Officers and Directors.....	Pages 1-3

<u>Maps</u>	<u>Title</u>	<u>Last Revision Date</u>
1.6-1	Surface Ownership	05/18/18
1.6-2	Coal Ownership	05/18/18
1.6-3	Mineral Ownership (Other Than Coal)	05/22/18
1.8-1	USGS Topographic Map	09/16/16
1.8-2	Railroad Y Plat and Legal Description	06/01/98
1.9-1	Man-Made Features	05/22/18
1.9-2	Surface and Ground Water Rights	05/22/18
1.9-3	Belle Ayr Permit Area and Other Boundaries	09/16/16
1.9-4	Oil and Gas Wells	01/30/18

BLACKJEWEL

Belle Ayr and Eagle Butte Mines

September 17, 2018

Mr. Mark Rogaczewski
Land Quality Division
Department of Environmental Quality
2100 West 5th St.
Sheridan, WY 82801

Re: Publisher's Affidavits, Belle Ayr Mine, Permit No. 214-T8, TFN 6 1/315

Dear Mark:

Enclosed are the Publisher's Affidavits for the first and second public notices for the Belle Ayr Permit Renewal.

Please contact me at 307-687-3413 if you have questions or concerns.

Sincerely,



Gretchen Anderson, P.E.
Environmental Compliance Manager

Enclosures

1.11 Proof of Publication

When the Land Quality Division provides the format for published notice, the applicant will ensure that proper notice is published and records documented in this section. No such action will be taken until written approval is received from the Division.

AFFP

PN-Mine Permit Renewal

Affidavit of Publication

STATE OF WYOMING }
COUNTY OF CAMPBELL } SS

PUBLIC NOTICE
Mine Permit Renewal

Contura Coal West, LLC of Gillette, Wyoming has filed for a mining permit renewal application with the Land Quality Division of the Wyoming Department of Environmental Quality for the mining of coal in Campbell County, Wyoming. The mining permit area (Permit No. 214; Belle Ayr Mine) is approximately 16 miles southeast of Gillette, Wyoming. The application may be reviewed at the Cheyenne or Sheridan Office of the Land Quality Division. The application will be readvertised for public comment prior to approval by the Department of Environmental Quality. July 9, 16, 2018

Ann Kennedy Turner, being duly sworn, says:

That she is Publisher of the The Gillette News Record, a daily newspaper of general circulation, printed and published in Gillette, Campbell County, Wyoming; that the publication, a copy of which is attached hereto, was published in the said newspaper on the following dates:

July 09, 2018, July 16, 2018

That said newspaper was regularly issued and circulated on those dates.

SIGNED:

Ann Kennedy Turner

Publisher

Subscribed to and sworn to me this 16th day of July 2018.

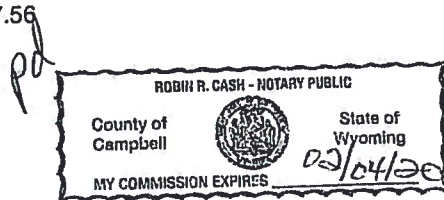
Robin R. Cash

Robin R. Cash, Notary Public, Campbell County, Wyoming

My commission expires: February 04, 2020

Publication Fees: \$ 67.56

00031905 00343306



Blackjewel, LLC
P.O. Box 3039
Gillette, WY 82717

AFFP
PN-Belle Ayr

Affidavit of Publication

STATE OF WYOMING }
COUNTY OF CAMPBELL } SS

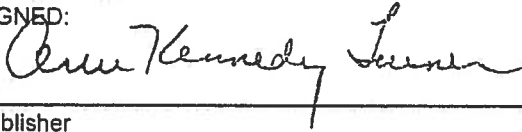
Ann Kennedy Turner, being duly sworn, says:

That she is Publisher of the The Gillette News Record, a daily newspaper of general circulation, printed and published in Gillette, Campbell County, Wyoming; that the publication, a copy of which is attached hereto, was published in the said newspaper on the following dates:

August 14, 2018, August 21, 2018, August 28, 2018, September 04, 2018

That said newspaper was regularly issued and circulated on those dates.

SIGNED:



Publisher

Subscribed to and sworn to me this 4th day of September 2018.



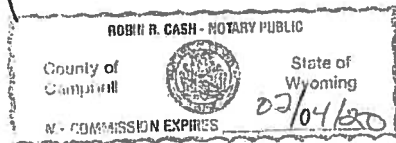
Robin R. Cash, Notary Public, Campbell County, Wyoming

My commission expires: February 04, 2020

Publication Fees: \$ 594.64

00031905 00344538

Blackjewel, LLC
P.O. Box 3039
Gillette, WY 82717



LEGAL NOTICE

Contura Coal West, LLC Belle Ayr Mine of Gillette, Wyoming has applied for a coal mining permit renewal from the Land Quality Division of the Department of Environmental Quality for the State of Wyoming. The coal mining permit area will be located in Campbell County, Wyoming in the following:

Sections 13, 24, 25 and 36, T. 48 N., R. 72 W.

Sections 1 and 12, T. 47 N., R. 72 W.

Sections 17, 18, 19, 20, 21, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 and 36, T. 48 N., R. 71 W.

Sections 2, 3, 4, 5, 6, 7 and 8, T. 47 N., R 71 W.

Belle Ayr Mine is approximately 16 miles southeast of Gillette, Wyoming adjacent to Campbell County Bishop Road. This area can be found on the Gap, The Gap SW, Saddle Horse Butte, USGS quadrangle map(s). The original permit to mine was granted on November 26, 1974 and is estimated to continue until 2033. The land, after mining, will be returned to fish and wildlife habitat, pastureland, and livestock grazingland. Information regarding this application may be reviewed in the Office of the Land Quality Division of the Department of Environmental Quality in Cheyenne and Sheridan, Wyoming, the office of Contura Coal West, LLC Belle Ayr Mine near Gillette, Wyoming, or the Campbell County Clerk's Office in Gillette, Wyoming.

Written objections to the proposed mining operation must be received by the Administrator of the Land Quality Division, Department of Environmental Quality, 200 W. 17th Street, Suite 10, Cheyenne, WY 82002, before the close of business on October 4, 2018. The Director may hold an informal conference if requested, hear the complaint and take action on the application in accordance with the Department's Rules of Practice and Procedure. The complainants shall have a right of appeal to the Environmental Quality Council where the complaint will be heard a second time. A conference shall be held if the Director determines that the nature of the complaint or the position of the complainants indicates that an attempt to informally resolve the disputes is preferable to a contested case proceeding. An informal conference or a public hearing shall be held within twenty (20) days after the final date for filing objections unless a different period is stipulated to by the parties. The Council or Director shall publish notice of the time, date and location of the hearing or conference in a newspaper of general circulation in the locality of the proposed operation once a week for two (2) consecutive weeks immediately prior to the hearing or conference. The hearing would be conducted as a contested case in accordance with the Wyoming Administrative Procedure Act (W.S. §16-3-101 through §16-3-115), and the right of judicial review would be afforded as provided in that act. The Wyoming Oil and Gas Conservation Commission will be mailed a copy of the application mine plan map as given in W.S. §35-11-406(j).
August 14, 21, 28, September 4, 2018

1.12 Proof of Filing

The Belle Ayr Mine permit application will be filed for public inspection with the County Clerk and Recorder for Campbell County, Wyoming, immediately prior to commencement of publication. This section will also contain proof of filing with the Campbell County Clerk and Recorder when said filing is completed.



AFFIDAVIT

TO WHOM IT MAY CONCERN:

This is to certify that Gretchen Anderson of Belle Ayr Mine

has on this date Filed _____ Left for Review XXX the following:
Term Renewal Contura Coal West, LLC, Belle Ayr Mine Permit No. 214-T9

consisting of one volume.

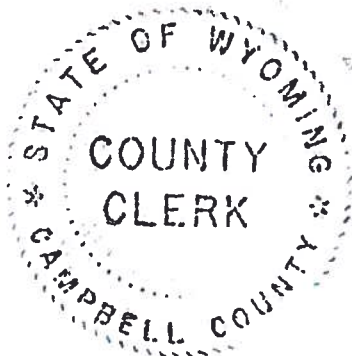
_____ in the office of County Clerk.

If filed, these items will remain in the office of the Campbell County Clerk permanently.

If left for review, they will be available to the public until Sept 14, 2018

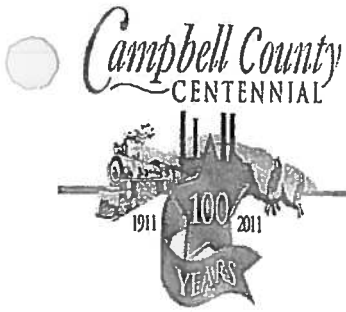
_____. After that time the responsible party(ies) will be able to remove the volume(s) from the office of the Campbell County Clerk.

Received this 14 day of August, 2018 .



Susan F. Saunders
Susan F. Saunders

Maureen Boman
Deputy



Office of
COUNTY CLERK

500 S. Gillette Avenue, Suite 1600 • P.O. Box 3010 • Gillette, WY 82717-3010
Phone: 307.682.7285 • Fax 307.687.6455

RELEASE

This is to certify that GRETOHEN ANDERSON

of BELLE AYR MINE

have, on this date, picked up the following: OCTOBER 05TH, 2018

TERM RENEWAL CONTURA COAL WEST, LLC, BELLE AYR MINE PERMIT NO. 214-T9

CONSISTING OF ONE VOLUME.



Released to: [Signature]
Signature

Company: BELLE AYR MINE

Dated: OCTOBER, 05TH, 2018

By: [Signature: Sherry D. Walter]
Deputy

INDEX SHEET FOR MINE PERMIT AMENDMENTS OR REVISIONS

Page 1 of 1
Date 6/18/2018
TFN 6 1/315

Mine Company Name: **Blackjewel, L.L.C.**
Original Submittal Date: 5/29/18 6/18/18

Mine Name: **Belle Ayr Mine**

Permit No: **214-T8**

STATEMENT: I, Gretchen Anderson, an authorized representative of Blackjewel L.L.C. declare that only the items listed on this and all consecutively numbered Index Sheets are intended as revisions to the current permit document. In the event that other changes inadvertently occurred due to this revision, those unintentional alterations will not be considered approved. Please initial and date: GA 6/18/18

- NOTES: 1) Include all revision or change elements and a brief description of or reason for each revision element.
2) List all revision or change elements in sequence by volume number, number index sheets sequentially as needed.

VOLUME NO.	PAGE, MAP OR OTHER PERMIT ENTRY TO BE REMOVED	PAGE, MAP OR OTHER PERMIT ENTRY TO BE ADDED	DESCRIPTION OF CHANGE
1	Volume 1 Table of Contents Pages TC1-1 and TC1-2	Volume 1 Table of Contents Pages TC1-1 and TC1-2	Updated map revision dates and Section 1 page numbers
1	Section 1.1 Form 1	Section 1.1 Form 1	Insert new Form 1 after approval
1	Section 1.6 All	Section 1.6 All	All Section 1.6 text and tables have been updated with current information from courthouse search conducted on May 21, 2018
1	Map 1.6-1	Map 1.6-1	Updated Map 1.6.1 - Surface Ownership. <i>Corrected Blackjewel LLC and Contura Wyoming Land LLC surface ownership on Map 1.6-1.</i>
1	Map 1.6-2	Map 1.6-2	Updated Map 1.6-2 - Coal Ownership
1	Map 1.6-2	Map 1.6-2	<i>Updated coal lease information to reflect completed transfer of federal coal leases from Contura Wyoming Land LLC to Blackjewel LLC</i>
1	Map 1.6-3	Map 1.6-3	Updated Map 1.6-3 - Mineral Ownership (Other Than Coal)
1	Section 1.7 All	Section 1.7 All	All Section 1.7 text and tables have been updated with current information from courthouse search conducted on May 21, 2018
1	Section 1.9 All	Section 1.9 All	All Section 1.9 tables have been updated with current information from the Wyoming Oil and Gas Conservation Commission and the Wyoming State Engineer's Office.
1	Map 1.9-1	Map 1.9-1	Updated Map 1.9-1 - Man Made Features.
1	Map 1.9-2	Map 1.9-2	Updated Map 1.9-2 - Surface and Ground Water Rights.
1	Map 1.9-4	Map 1.9-4	Updated Map 1.9-4 - Oil and Gas Wells.
1	Section 1.10 All	Section 1.10 All	Table 1.10-1 Pages 1-6 - revised list of current licenses and permits Table 1.10-2 Page 1 - revised three-year violation history Table 1.10-4 Pages 1-4 -revised list of principal officers and directors
1	Section 1.10 Page 1	Section 1.10 Page 1	<i>Corrected scoria lease number in (2) under Bureau of Land Management.</i>
1	Section 1.11	Section 1.11	Insert new Proof of Publication (Publisher's Affidavit) after approval.
1	Section 1.12	Section 1.12	Insert new Proof of Filing (County Clerk's Affidavit) after approval.

**DEQ01-
00115**

INDEX SHEET FOR MINE PERMIT AMENDMENTS OR REVISIONS

Page 1 of 2
Date 7/23/2018
TFN 6 1/315

Mine Company Name: **Blackjewel, L.L.C.**
Original Submittal Date: *5/29/18 6/18/18 7/23/18*

Mine Name: **Belle Ayr Mine**

Permit No: **214-T8**

STATEMENT: I, Gretchen Anderson, an authorized representative of Blackjewel L.L.C. declare that only the items listed on this and all consecutively numbered Index Sheets are intended as revisions to the current permit document. In the event that other changes inadvertently occurred due to this revision, those unintentional alterations will not be considered approved. Please initial and date: GA 7/23/18

- NOTES: 1) Include all revision or change elements and a brief description of or reason for each revision element.
2) List all revision or change elements in sequence by volume number; number index sheets sequentially as needed.

VOLUME NO.	PAGE, MAP OR OTHER PERMIT ENTRY TO BE REMOVED	PAGE, MAP OR OTHER PERMIT ENTRY TO BE ADDED	DESCRIPTION OF CHANGE
1	Volume 1 Table of Contents Pages TC1-1 and TC1-2	Volume 1 Table of Contents Pages TC1-1 and TC1-2	Updated map revision dates and Section 1 page numbers
1	Section 1.1 Form 1	Section 1.1 Form 1	Insert new Form 1 after approval
1	Section 1.6 All	Section 1.6 All	All Section 1.6 text and tables have been updated with current information from courthouse search conducted on May 21, 2018
1	Section 1.6 Page 1.6-3	Section 1.6 Page 1.6-3	Corrected second line in table to be Peabody Caballo Mining LLC. Inserted correct address.
1	Map 1.6-1	Map 1.6-1	Updated Map 1.6.1 - Surface Ownership.
1	Map 1.6-1	Map 1.6-1	Corrected Blackjewel LLC and Contura Wyoming Land LLC surface ownership on Map 1.6-1.
1	Map 1.6-2	Map 1.6-2	Updated Map 1.6-2 - Coal Ownership
1	Map 1.6-2	Map 1.6-2	Updated coal lease information to reflect completed transfer of federal coal leases from Contura Wyoming Land LLC to Blackjewel LLC
1	Map 1.6-2	Map 1.6-2	Changed Caballo Coal Company to Peabody Caballo Mining LLC on map and in legend. Corrected spelling of Clabaugh in legend.
1	Map 1.6-3	Map 1.6-3	Updated Map 1.6-3 - Mineral Ownership (Other Than Coal)
1	Section 1.7 All	Section 1.7 All	All Section 1.7 text and tables have been updated with current information from courthouse search conducted on May 21, 2018
1	Section 1.9 All	Section 1.9 All	All Section 1.9 tables have been updated with current information from the Wyoming Oil and Gas Conservation Commission and the Wyoming State Engineer's Office.
1	Map 1.9-1	Map 1.9-1	Updated Map 1.9-1 - Man Made Features.
1	Map 1.9-2	Map 1.9-2	Updated Map 1.9-2 - Surface and Ground Water Rights.
1	Map 1.9-4	Map 1.9-4	Updated Map 1.9-4 - Oil and Gas Wells.
1	Section 1.10 All	Section 1.10 All	Table 1.10-1 Pages 1-6 - revised list of current licenses and permits Table 1.10-2 Page 1 - revised three-year violation history Table 1.10-4 Pages 1-4 -revised list of principal officers and directors

VOLUME NO.	PAGE, MAP OR OTHER PERMIT ENTRY TO BE REMOVED	PAGE, MAP OR OTHER PERMIT ENTRY TO BE ADDED	DESCRIPTION OF CHANGE	Page <u>2</u> of <u>2</u> Date <u>7/23/2018</u> TFN <u>6 1/315</u>
1	Section 1.10 Page 1	Section 1.10 Page 1	Corrected scoria lease number in (2) under Bureau of Land Management.	
1	Section 1.11	Section 1.11	Insert new Proof of Publication (Publisher's Affidavit) after approval.	
1	Section 1.12	Section 1.12	Insert new Proof of Filing (County Clerk's Affidavit) after approval.	

BLACKJEWEL

Belle Ayr and Eagle Butte Mines

August 20, 2018

Mr. Mark Rogaczewski
Land Quality Division
Department of Environmental Quality
2100 West 5th St.
Sheridan, WY 82801

**Re: Affidavit of Notice, Renewal Application, Belle Ayr Mine, Permit No. 214-T8, TFN 6
1/315**

Dear Mark:

Enclosed is the Affidavit of Notice for the Belle Ayr Permit Renewal. The final Public Notice began running on August 14, 2018 in the Gillette News-Record for four consecutive weeks. A copy of the current mine plan map was mailed to the Wyoming Oil and Gas Conservation Commission and a copy of the complete renewal application including the draft State Decision Document has been filed with the Campbell County Clerk.

Please contact me at 307-687-3413 if you have questions or concerns.

Sincerely,



Gretchen Anderson, P.E.
Environmental Compliance Manager

Enclosures

BEFORE THE DEPARTMENT OF ENVIRONMENTAL QUALITY
LAND QUALITY DIVISION

IN THE MATTER OF THE PERMIT RENEWAL)
APPLICATION FOR BELLE AYR MINE)
PERMIT APPLICATION OF CONTURA COAL WEST, LLC)
TFN 6 1/315)

**AFFIDAVIT OF MARK THRALL
OF NOTICE**

I, Mark Thrall, after being duly sworn upon my oath, deposes and states as follows:

1. I am appointed to the office of Environmental Manager for Blackjewel, L.L.C. I am submitting this affidavit to comply with the sworn statement requirement in W.S. §35-11-406(j). In my capacity as Environmental Manager, I am responsible for ensuring that Contura Coal West, LLC has complied with the notice requirements in W.S. §35-11-406(j) for the above-captioned permit application. This application is for a surface coal mine permit renewal.
2. On August 10, 2018, Contura Coal West, LLC received notice from the Department of Environmental Quality, Land Quality Division that it has determined our application is complete and suitable for final publication.
3. On August 14, 2018, The Gillette News-Record printed the first notice in the required four week sequence for final publication of this application. On August 13, 2018, Contura Coal West, LLC mailed a copy of the application mining plan map to the Wyoming Oil and Gas Conservation Commission.

DATED 8-19-18

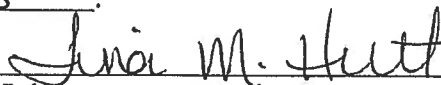


Signature

Mark Thrall, Environmental Manager

STATE OF WYOMING)
)ss
COUNTY OF CAMPBELL)

Subscribed, sworn to and acknowledged before me by Mark Thrall
on this 14th day of August, 2018.



Notary Public



My Commission expires: 3/9/2021

AFFP

PN-Mine Permit Renewal

Affidavit of Publication

STATE OF WYOMING }
COUNTY OF CAMPBELL } SS

PUBLIC NOTICE
Mine Permit Renewal

Contura Coal West, LLC of Gillette, Wyoming has filed for a mining permit renewal application with the Land Quality Division of the Wyoming Department of Environmental Quality for the mining of coal in Campbell County, Wyoming. The mining permit area (Permit No. 214; Belle Ayr Mine) is approximately 16 miles southeast of Gillette, Wyoming. The application may be reviewed at the Cheyenne or Sheridan Office of the Land Quality Division. The application will be readvertised for public comment prior to approval by the Department of Environmental Quality. July 9, 16, 2018

Ann Kennedy Turner, being duly sworn, says:

That she is Publisher of the The Gillette News Record, a daily newspaper of general circulation, printed and published in Gillette, Campbell County, Wyoming; that the publication, a copy of which is attached hereto, was published in the said newspaper on the following dates:

July 09, 2018, July 16, 2018

That said newspaper was regularly issued and circulated on those dates.

SIGNED:

Ann Kennedy Turner

Publisher

Subscribed to and sworn to me this 16th day of July 2018.

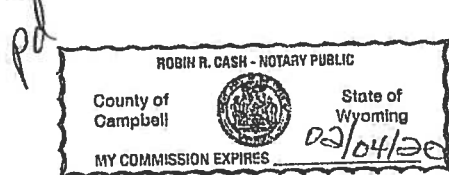
Robin R. Cash

Robin R. Cash, Notary Public, Campbell County, Wyoming

My commission expires: February 04, 2020

Publication Fees: \$ 67.56

00031905 00343306



Blackjewel, LLC
P.O. Box 3039
Gillette, WY 82717

AFFP
PN-Belle Ayr

Affidavit of Publication

STATE OF WYOMING }
COUNTY OF CAMPBELL } SS

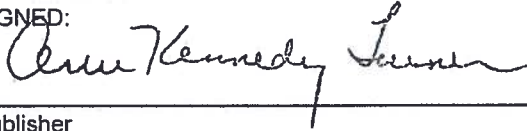
Ann Kennedy Turner, being duly sworn, says:

That she is Publisher of the The Gillette News Record, a daily newspaper of general circulation, printed and published in Gillette, Campbell County, Wyoming; that the publication, a copy of which is attached hereto, was published in the said newspaper on the following dates:

August 14, 2018, August 21, 2018, August 28, 2018,
September 04, 2018

That said newspaper was regularly issued and circulated on those dates.

SIGNED:



Publisher

Subscribed to and sworn to me this 4th day of September 2018.


Robin R. Cash, Notary Public, Campbell County, Wyoming

My commission expires: February 04, 2020

Publication Fees: \$ 594.64

00031905 00344538

Blackjewel, LLC
P.O. Box 3039
Gillette, WY 82717



LEGAL NOTICE

Contura Coal West, LLC Belle Ayr Mine of Gillette, Wyoming has applied for a coal mining permit renewal from the Land Quality Division of the Department of Environmental Quality for the State of Wyoming. The coal mining permit area will be located in Campbell County, Wyoming in the following:

Sections 13, 24, 25 and 36, T. 48 N., R. 72 W.

Sections 1 and 12, T. 47 N., R. 72 W.

Sections 17, 18, 19, 20, 21, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 and 36, T. 48 N., R. 71 W.

Sections 2, 3, 4, 5, 6, 7 and 8, T. 47 N., R 71 W.

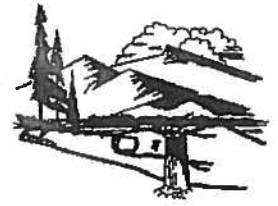
Belle Ayr Mine is approximately 16 miles southeast of Gillette, Wyoming adjacent to Campbell County Bishop Road. This area can be found on the Gap, The Gap SW, Saddle Horse Butte, USGS quadrangle map(s). The original permit to mine was granted on November 26, 1974 and is estimated to continue until 2033. The land, after mining, will be returned to fish and wildlife habitat, pastureland, and livestock grazingland. Information regarding this application may be reviewed in the Office of the Land Quality Division of the Department of Environmental Quality in Cheyenne and Sheridan, Wyoming, the office of Contura Coal West, LLC Belle Ayr Mine near Gillette, Wyoming, or the Campbell County Clerk's Office in Gillette, Wyoming. Written objections to the proposed mining operation must be received by the Administrator of the Land Quality Division, Department of Environmental Quality, 200 W. 17th Street, Suite 10, Cheyenne, WY 82002, before the close of business on October 4, 2018. The Director may hold an informal conference if requested, hear the complaint and take action on the application in accordance with the Department's Rules of Practice and Procedure. The complainants shall have a right of appeal to the Environmental Quality Council where the complaint will be heard a second time. A conference shall be held if the Director determines that the nature of the complaint or the position of the complainants indicates that an attempt to informally resolve the disputes is preferable to a contested case proceeding. An informal conference or a public hearing shall be held within twenty (20) days after the final date for filing objections unless a different period is stipulated to by the parties. The Council or Director shall publish notice of the time, date and location of the hearing or conference in a newspaper of general circulation in the locality of the proposed operation once a week for two (2) consecutive weeks immediately prior to the hearing or conference. The hearing would be conducted as a contested case in accordance with the Wyoming Administrative Procedure Act (W.S. §16-3-101 through §16-3-115), and the right of judicial review would be afforded as provided in that act. The Wyoming Oil and Gas Conservation Commission will be mailed a copy of the application mine plan map as given in W.S. §35-11-406(j).
August 14, 21, 28, September 4, 2018

DEQ01-
00121



Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.



Matthew H. Mead, Governor

Todd Parfitt, Director

Mark Thrall
Contura Coal West, LLC
P.O. Box 3039
Gillette, WY 82717-3039



**RE: Approval of Permit Renewal for Contura Coal West, LLC, Belle Ayr Mine, 214, TFN 6
1/315**

Dear Mr. Thrall:

Form 1 has been reviewed and approved for a permit renewal. This permit authorizes coal mining and reclamation activities for another five (5) years within the disturbance area boundary for the new T9 term, whereupon it must be renewed again. The permit has been assigned number 214-T9. The designation "T9" refers to the ninth permit term under the State Program authorized by the Office of Surface Mining Reclamation and Enforcement (OSMRE). Please reference all future correspondence regarding this permit with this number.

The following conditions have been placed on Form 1 for the T9 permit term. Each of these conditions is explained in the enclosed State Decision Document.

Form 1, Condition No. 1: The Belle Ayr Mine may not mine coal from any Federal coal lease prior to receiving approval from the Secretary of the U.S. Department of Interior.

Form 1, Condition No. 2: The Belle Ayr Mine shall report any unanticipated discovery of cultural or paleontological resources to the Land Quality Division within five (5) days. Identified sites shall be protected from any disturbance until they have been evaluated and salvaged, if necessary.

Form 1, Condition No. 3: Within ninety (90) days of each Land Quality Division approval of a revision to Permit No. 433 (Caballo Mine) or Permit No. 237 (Cordero-Rojo Mine) which affects the "Dual Permitted Area" between Permit Nos. 214 and 433 and between Permit Nos. 214 and 237, Belle Ayr Mine shall submit a revision to Permit No. 214. This revision application shall update and revise all text and maps associated with the "Dual Permitted Area" in order to bring Permit No. 214 into accord with the revised Permit Nos. 433 or 237.

The Land Quality Division shall notify Belle Ayr Mine of the need to submit any such revisions. Further, Belle Ayr Mine shall submit a letter from the permittee for Permit Nos. 433 or 237 whenever Belle Ayr submits a revision application which affects lands within the "Dual Permitted Area" between Permit Nos. 214 and 433 and between Permit Nos. 214 and 237. This letter shall state that the permittee believes the proposed revision is in compliance with all agreements between the two companies. This letter shall be incorporated into Permit No. 214 as an element of the revision application.

Form 1, Condition No. 4: A new groundwater model will be developed for any future proposed amendment or revision that would require analysis of the Probable Hydrologic Consequences.

The annual report will continue to be due on or thirty days prior to November 26 of each year. Copies of the Annual Report Form may be obtained by request from one of the LQD offices or you may access it on the LQD website at: <http://deq.wyoming.gov/lqd/coal/resources/annual-report-3/>

This operation is not within Sage Grouse Core Area, and has no stipulations related to the Governor's Executive Order 2015-4.

Please make arrangements with Tammi Pusheck at the Cheyenne LQD (777-7053) and Pat Seurer of the District 3 office (673-9337) to process all material which will be brought forward, replaced, or deleted with this renewal. The incorporation of all new material should occur within two weeks of the date of this letter.

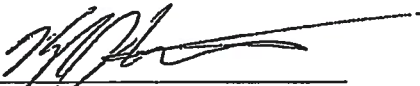
Please submit one copy each of the final index sheet, the final revision materials, and a copy of this letter to Office of Surface Mining (OSM) in Denver and the OSM Casper Field Office at the following addresses:

Ms. Nicole Caveny
Office of Surface Mining
Western Region
1999 Broadway, Suite 3320
Denver, CO 80202-3050

Mr. Jeff Fleischman
Office of Surface Mining
Casper Field Office Director
P.O. Box 11018
Casper, WY 82602

If you have questions, please contact Mark Rogaczewski, LQD District 3 at (307) 307-675-5616.

Sincerely,



Kyle Wendtland
Administrator, Land Quality Division

Date: 10-23-2018

Enclosure

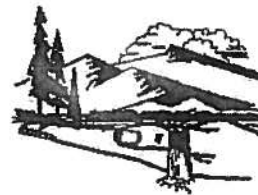
cc: Mark Rogaczewski - Sheridan DEQ-LQD
Tammi Pusheck, LQD Records Manager
Karin Quigley, LQD Administrator's Administrative Assistant
David Berry, OSMRE-Denver
Jeff Fleischmann, Neal Ruebush, OSMRE-Casper Field Office
Kurt Triscori, BLM Casper Field Office

DEQ01-
00123



Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations



Matthew H. Mead, Governor

Todd Parfitt, Director

September 4, 2018

Mayor
City of Gillette
201 East 5th St.
Gillette, WY 82716

RE: Public Notice for Contura Coal West, LLC, Belle Ayr Mine, Permit No. 214; Term 9 Renewal Application: TFN 6 1/315.

Dear Honorable Mayor:

The Department of Environmental Quality, Land Quality Division (LQD) has determined that the Belle Ayr Mine Term 9 Renewal Application for Permit No. 214 is technically adequate as per W.S. §35-11-406(h). Four weeks of Public Notice followed by thirty (30) days of Public Comment were initiated on August 14, 2018. The end of this opportunity for public review will be October 4, 2018. This is a straight renewal application under LQD procedures in that the application updates specific permit elements for the next five year term. There are some minor elements of true revision, but they do not fundamentally affect any existing permit commitments.

This letter is being sent to you to fulfill the notification requirements of our program. It is being provided for informational purposes and is not a request for review.

Should you or your staff have any questions regarding this final public process, please contact me at 307-675-5616.

Sincerely,

Mark Rogaczewski
District III Supervisor

mr/
attachment: Copy of Public Notice
xc: Cheyenne LQD Copy (w/o attachment)



Contura Coal West, LLC Belle Ayr Mine of Gillette, Wyoming has applied for a coal mining permit renewal from the Land Quality Division of the Department of Environmental Quality for the State of Wyoming. The coal mining permit area will be located in Campbell County, Wyoming in the following:

Sections 13, 24, 25 and 36, T. 48 N., R. 72 W.

Sections 1 and 12, T. 47 N., R. 72 W.

Sections 17, 18, 19, 20, 21, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 and 36,
T. 48 N., R. 71 W.

Sections 2, 3, 4, 5, 6, 7 and 8, T. 47 N., R 71 W.

Belle Ayr Mine is approximately 16 miles southeast of Gillette, Wyoming adjacent to Campbell County Bishop Road. This area can be found on the Gap, The Gap SW, Saddle Horse Butte, USGS quadrangle map(s). The original permit to mine was granted on November 26, 1974 and is estimated to continue until 2033. The land, after mining, will be returned to fish and wildlife habitat, pastureland, and livestock grazingland. Information regarding this application may be reviewed in the Office of the Land Quality Division of the Department of Environmental Quality in Cheyenne and Sheridan, Wyoming, the office of Contura Coal West, LLC Belle Ayr Mine near Gillette, Wyoming, or the Campbell County Clerk's Office in Gillette, Wyoming. Written objections to the proposed mining operation must be received by the Administrator of the Land Quality Division, Department of Environmental Quality, 200 W. 17th Street, Suite 10, Cheyenne, WY 82002, before the close of business on October 4, 2018. The Director may hold an informal conference if requested, hear the complaint and take action on the application in accordance with the Department's Rules of Practice and Procedure. The complainants shall have a right of appeal to the Environmental Quality Council where the complaint will be heard a second time. A conference shall be held if the Director determines that the nature of the complaint or the position of the complainants indicates that an attempt to informally resolve the disputes is preferable to a contested case proceeding. An informal conference or a public hearing shall be held within twenty (20) days after the final date for filing objections unless a different period is stipulated to by the parties. The Council or Director shall publish notice of the time, date and location of the hearing or conference in a newspaper of general circulation in the locality of the proposed operation once a week for two (2) consecutive weeks immediately prior to the hearing or conference. The hearing would be conducted as a contested case in accordance with the Wyoming Administrative Procedure Act (W.S. §16-3-101 through §16-3-115), and the right of judicial review would be afforded as provided in that act. The Wyoming Oil and Gas Conservation Commission will be mailed a copy of the application mine plan map as given in W.S. §35-11-406(j).

August 14, 21, 28, September 4

DEQ01
00125



Coal Final Public Notice Addresses

ATTACHED LETTER SENT TO:

Campbell County Commissioners
500 S. Gillette Ave.
Gillette, WY 82716

Mayor/Administrator
City of Gillette
201 E. 5th St.
Gillette, WY 82716

State of Wyoming
State Historic Preservation Office
Barrett Bldg
2301 Central Ave.
Cheyenne, WY 82002

State of Wyoming Commissioner of State Lands
Herschler Bldg., 3rd Floor West
122 W. 25th St.
Cheyenne, WY 82002

State of Wyoming
State Mine Inspector
P.O. Box 1094
Rock Springs, WY 82901

U.S.D.A. Natural Resource Conservation Service
601 4J Court, Suite C
Gillette, WY 82716

Mike Happold
U.S. Army Corps of Engineers
Wyoming Office
2232 Dell Range Blvd.
Cheyenne, WY 82009

Jeff Fleischman
Office of Surface Mining
Casper Field Office
P.O. Box 11018
Casper, WY 82602

Campbell County Planning
500 S. Gillette Ave.
Gillette, WY 82716

Minerals & Energy Division
Wyoming Business Council
214 W. 15th St.
Cheyenne, WY 82002

Scott Talbott
State of Wyoming
Game & Fish Department
5400 Bishop Blvd.
Cheyenne, WY 82002

State of Wyoming
State Geologist
P.O. Box 1347
Laramie, WY 82073-1347

State of Wyoming
Director or Chief Engineer
Department of Transportation
5300 Bishop Blvd.
Cheyenne, WY 82009-3340

Ms. Hillary Shirley
U.S. Fish & Wildlife Service
5353 Yellowstone Rd., Suite 308A
Cheyenne, WY 82009

Kurt Triscori
Bureau of Land Management
Casper District Office
2987 Prospector Drive
Casper, WY 82604

Nicole Caveny
Office of Surface Mining
Western Region
1999 Broadway, Suite 3320
Denver, CO 80202-3050

RECEIVED
SEP 7 2018
WDEQ/LQD
DEQ01
00126

BLACKJEWEL

Belle Ayr and Eagle Butte Mines

August 20, 2018

Mr. Mark Rogaczewski
Land Quality Division
Department of Environmental Quality
2100 West 5th St.
Sheridan, WY 82801

Re: Affidavit of Notice, Renewal Application, Belle Ayr Mine, Permit No. 214-T8, TFN 6 1/315

Dear Mark:

Enclosed is the Affidavit of Notice for the Belle Ayr Permit Renewal. The final Public Notice began running on August 14, 2018 in the Gillette News-Record for four consecutive weeks. A copy of the current mine plan map was mailed to the Wyoming Oil and Gas Conservation Commission and a copy of the complete renewal application including the draft State Decision Document has been filed with the Campbell County Clerk.

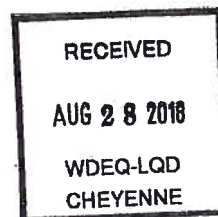
Please contact me at 307-687-3413 if you have questions or concerns.

Sincerely,



Gretchen Anderson, P.E.
Environmental Compliance Manager

Enclosures



PERMIT NO. 6-1/315

BEFORE THE DEPARTMENT OF ENVIRONMENTAL QUALITY
LAND QUALITY DIVISION

IN THE MATTER OF THE PERMIT RENEWAL)
APPLICATION FOR BELLE AYR MINE)
PERMIT APPLICATION OF CONTURA COAL WEST, LLC)
TFN 6 1/315)

**AFFIDAVIT OF MARK THRALL
OF NOTICE**

I, Mark Thrall, after being duly sworn upon my oath, deposes and states as follows:

1. I am appointed to the office of Environmental Manager for Blackjewel, L.L.C. I am submitting this affidavit to comply with the sworn statement requirement in W.S. §35-11-406(j). In my capacity as Environmental Manager, I am responsible for ensuring that Contura Coal West, LLC has complied with the notice requirements in W.S. §35-11-406(j) for the above-captioned permit application. This application is for a surface coal mine permit renewal.
2. On August 10, 2018, Contura Coal West, LLC received notice from the Department of Environmental Quality, Land Quality Division that it has determined our application is complete and suitable for final publication.
3. On August 14, 2018, The Gillette News-Record printed the first notice in the required four week sequence for final publication of this application. On August 13, 2018, Contura Coal West, LLC mailed a copy of the application mining plan map to the Wyoming Oil and Gas Conservation Commission.

DATED 8-19-18

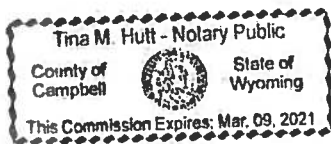
Mark Thrall
Signature

Mark Thrall, Environmental Manager

STATE OF WYOMING)
)ss
COUNTY OF CAMPBELL)

Subscribed, sworn to and acknowledged before me by Mark Thrall
on this 14th day of August, 2018.

Tina M. Hutt
Notary Public



My Commission expires: 3/9/2021

Application Evaluation

38 Violations Found.

Application Number: TFN61/315 SEQ:16
 Applicant Name: 258214 Contura Coal West LLC
 Date Of Narrative: 8/20/2018 12:32:02 PM
 Requestor: danny.brown

CAUTION: The Applicant/Violator System (AVS) is an informational database. Permit eligibility determinations are made by the regulatory authority with jurisdiction over the permit application not by the AVS. Results which display outstanding violations may not include critical information about settlements or other conditions that affect permit eligibility. Consult the AVS Office at 800-643-9748 for verification of information prior to making decisions on these results.

Violation Type	Violation Number	Violation Entities	Permit Number	Permitted State	Violation Status	Violation Date
1: AML	<u>1202162</u>		<u>1202162</u>	VA	Outstanding	9/30/2017
		248955 Revelation Energy LLC				
2: AML	<u>848-0351</u>		<u>8480351</u>	KY	Outstanding	9/30/2017
		248955 Revelation Energy LLC				
3: AML	<u>848-5569</u>		<u>8485569</u>	KY	Outstanding	9/30/2017
		248955 Revelation Energy LLC				
4: AML	<u>866-0367</u>		<u>8660367</u>	KY	Outstanding	9/30/2017
		248955 Revelation Energy LLC				
5: AML	<u>867-0523</u>		<u>8670523</u>	KY	Outstanding	9/30/2017
		248955 Revelation Energy LLC				
6: State Cessation Order	<u>JLB0000334-BR</u>		<u>1102080</u>	VA	Conditional	6/4/2018
		248955 Revelation Energy LLC				
7: State Cessation Order	<u>JLB0000187-SS</u>		<u>1102080</u>	VA	Conditional	2/15/2018
		248955 Revelation Energy LLC				
8: State Cessation Order	<u>GWS0011710-SD</u>		<u>1102080</u>	VA	Conditional	12/20/2017
		248955 Revelation Energy LLC				
9: State Cessation Order	<u>JLB0000427-SS</u>		<u>1102080</u>	VA	Outstanding	8/14/2018
		248955 Revelation Energy LLC				
10: State Cessation Order	<u>JLB0000206AO</u>		<u>1102135</u>	VA	Conditional	2/26/2018
		248955 Revelation Energy LLC				
11: State Cessation Order	<u>JLB0000204-AO</u>		<u>1102137</u>	VA	Conditional	2/26/2018
		248955 Revelation Energy LLC				
12: State Cessation Order	<u>231299</u>		<u>8075263</u>	KY	Outstanding	8/7/2018
		248955 Revelation Energy LLC				
13: State Cessation Order	<u>231298</u>		<u>8075263</u>	KY	Conditional	7/17/2018
		248955 Revelation Energy LLC				
14: State Cessation Order	<u>432110</u>		<u>8360435</u>	KY	Conditional	8/29/2017
		248955 Revelation Energy LLC				
15: State Cessation Order	<u>431871</u>		<u>8365643</u>	KY	Outstanding	8/7/2018
		248955 Revelation Energy LLC				
16: State Cessation Order	<u>231581</u>		<u>8480347</u>	KY	Outstanding	8/6/2018
		248955 Revelation Energy LLC				
17: State Cessation Order	<u>231582</u>		<u>8480347</u>	KY	Outstanding	8/6/2018

18: State Cessation Order	<u>631582</u>	18955 Revelation Energy LLC	<u>8480352</u>	KY	Conditional	1/8/2018
19: State Cessation Order	<u>631580</u>	248955 Revelation Energy LLC	<u>8480356</u>	KY	Conditional	11/13/2017
20: State Cessation Order	<u>631551</u>	248955 Revelation Energy LLC	<u>8485578</u>	KY	Conditional	1/5/2018
21: State Cessation Order	<u>431829</u>	248955 Revelation Energy LLC	<u>8580246</u>	KY	Outstanding	8/7/2018
22: State Cessation Order	<u>631021</u>	248955 Revelation Energy LLC	<u>8660367</u>	KY	Conditional	1/11/2018
23: State Cessation Order	<u>631020</u>	248955 Revelation Energy LLC	<u>8660368</u>	KY	Conditional	1/8/2018
24: State Cessation Order	<u>631552</u>	248955 Revelation Energy LLC	<u>8669015</u>	KY	Conditional	7/31/2018
25: State Cessation Order	<u>230940</u>	248955 Revelation Energy LLC	<u>8670523</u>	KY	Conditional	9/9/2016
26: State Cessation Order	<u>230941</u>	248955 Revelation Energy LLC	<u>8670523</u>	KY	Conditional	9/9/2016
27: State Cessation Order	<u>231373</u>	248955 Revelation Energy LLC	<u>8670523</u>	KY	Conditional	2/14/2017
28: State Cessation Order	<u>531482</u>	248955 Revelation Energy LLC	<u>8980892</u>	KY	Conditional	12/4/2017
29: State Cessation Order	<u>531449</u>	248955 Revelation Energy LLC	<u>8980903</u>	KY	Outstanding	8/7/2018
30: State Cessation Order	<u>531772</u>	248955 Revelation Energy LLC	<u>8980936</u>	KY	Conditional	1/25/2018
31: State Cessation Order	<u>431997</u>	248955 Revelation Energy LLC	<u>8980985</u>	KY	Outstanding	8/8/2018
32: State Cessation Order	<u>50-C</u>	248955 Revelation Energy LLC	<u>S300404</u>	WV	Outstanding	7/31/2018
33: State Cessation Order	<u>45-C</u>	248955 Revelation Energy LLC	<u>S300609</u>	WV	Conditional	5/30/2017
34: State Cessation Order	<u>46-C</u>	150980 Keystone Industries Llc (dba Keystone Devl Llc)	<u>S300609</u>	WV	Conditional	3/21/2017
35: State Civil Penalty	<u>21-N</u>	150980 Keystone Industries Llc (dba Keystone Devl Llc)	<u>S300609</u>	WV	Conditional	5/1/2015
36: State Civil Penalty	<u>27-N</u>	150980 Keystone Industries Llc (dba Keystone Devl Llc)	<u>S300609</u>	WV	Conditional	9/16/2015
37: State Civil Penalty	<u>30-N</u>	150980 Keystone Industries Llc (dba Keystone Devl Llc)	<u>S300609</u>	WV	Conditional	12/28/2015
38: State Civil Penalty	<u>39-N</u>	150980 Keystone Industries Llc (dba Keystone Devl Llc)	<u>S300609</u>	WV	Conditional	10/11/2016
		150980 Keystone Industries Llc (dba Keystone Devl Llc)				

Evaluation OFT

Entities: 22

258189 Contura Energy Inc - ()
---126295 Suzan E Moore - (Corporate Officer)
---126295 Suzan E Moore - (Senior Vice President)
---133477 Kevin S Crutchfield - (Chief Executive Officer)
---133477 Kevin S Crutchfield - (Director)
---151774 Albert E Ferrara Jr - (Director)

---158892 Jill M. Harrison - (General Counsel)
 ---158892 Jill M. Harrison - (Senior Vice President)
 ---253873 C Andrew Eidson - (Chief Financial Officer)
 ---253873 C Andrew Eidson - (Executive Vice President)
 ---253873 C Andrew Eidson - (Treasurer)
 ---254591 James Scott Kreutzer - (Chief Operations Officer)
 ---254591 James Scott Kreutzer - (Executive Vice President)
 ---256494 Mark M Manno - (Corporate Officer)
 ---256494 Mark M Manno - (Executive Vice President)
 ---256494 Mark M Manno - (Secretary)
 ---258194 Contura Energy LLC - (Subsidiary Company)
 -----126295 Suzan E Moore - (Corporate Officer)
 -----126295 Suzan E Moore - (Senior Vice President)
 -----133477 Kevin S Crutchfield - (Chief Executive Officer)
 -----158892 Jill M. Harrison - (General Counsel)
 -----253873 C Andrew Eidson - (Manager)
 -----253873 C Andrew Eidson - (President)
 -----256494 Mark M Manno - (Corporate Officer)
 -----256494 Mark M Manno - (Executive Vice President)
 -----256494 Mark M Manno - (Secretary)
 -----258190 Contura Mining Holding LLC - (Subsidiary Company)
 -----133477 Kevin S Crutchfield - (Chief Executive Officer)
 -----158892 Jill M. Harrison - (General Counsel)
 -----253873 C Andrew Eidson - (Chief Financial Officer)
 -----253873 C Andrew Eidson - (Executive Vice President)
 -----253873 C Andrew Eidson - (Treasurer)
 -----256494 Mark M Manno - (Manager)
 -----256494 Mark M Manno - (President)
 -----256494 Mark M Manno - (Secretary)
 -----258214 Contura Coal West LLC - (Subsidiary Company)
 -----253873 C Andrew Eidson - (Manager)
 -----253873 C Andrew Eidson - (President)
 -----256494 Mark M Manno - (Secretary)
 -----256494 Mark M Manno - (Vice President)
 -----258214 Contura Coal West LLC - (Subsidiary Company)
 -----253873 C Andrew Eidson - (Manager)
 -----253873 C Andrew Eidson - (President)
 -----256494 Mark M Manno - (Secretary)
 -----256494 Mark M Manno - (Vice President)
 ---258220 Neale X Trangucci - (Chairman of the Board)
 ---258220 Neale X Trangucci - (Director)
 ---259457 Kevin L Stanley - (Corporate Officer)
 ---259457 Kevin L Stanley - (Executive Vice President)
 ---260378 Michael Ward - (Director)
 ---260379 Anthony Orlando - (Director)
 260311 Lime Rock Partners - ()
 ---256224 Jeffery Scofield - (Member)
 ---260310 Blackjewel Holdings LLC - (Subsidiary Company)
 -----260308 Blackjewel LLC - (Subsidiary Company)
 -----127992 Jeffery Alan Hoops - (President)
 -----258050 Drew Kesler - (Chief Financial Officer)
 260312 Black Jewel Investment LLC - ()
 ---260310 Blackjewel Holdings LLC - (Subsidiary Company)
 -----260308 Blackjewel LLC - (Subsidiary Company)
 -----127992 Jeffery Alan Hoops - (President)
 -----258050 Drew Kesler - (Chief Financial Officer)

Narrative

8/20/2018 - Violations 1-5 are under a payment plan with OSMRE, but a payment for July was not received; therefore, the violations are outstanding. Linking entities are Jeffery Alan Hoops, etc. Violations 9, 12, 15-17, 21, 29, 31, and 32 are outstanding. Linking entities are Jeffery Alan Hoops, etc. The remaining violations are coded "conditional," indicating a settlement, payment plan, or pending challenge. Linking entities are Jeffery Alan Hoops, etc. Please use the contact information below to verify the conditional status of the violations with the states before making a final permitting decision. DB

Kentucky: Pam Spaulding -- 502.782.6779 -- Pam.spaulding@ky.gov
 Virginia: Greg Baker -- 276.523.8160 -- greg.baker@dmme.virginia.gov
 West Virginia: Terri Lucas -- 304.926.0499 Ext. 1486 -- terri.e.lucas@wv.gov

Application Evaluation

36 Violations Found.

Application Number: TFN61/315 SEQ:16
 Applicant Name: 258214 Contura Coal West LLC
 Date of Request: 8/17/2018 5:22:11 PM
 Requestor: vanessa.romero

CAUTION: The Applicant/Violator System (AVS) is an informational database. Permit eligibility determinations are made by the regulatory authority with jurisdiction over the permit application not by the AVS. Results which display outstanding violations may not include critical information about settlements or other conditions that affect permit eligibility. Consult the AVS Office at 800-643-9748 for verification of information prior to making decisions on these results.

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3: AML	<u>848-5569</u>	248955 Revelation Energy LLC	<u>8485569</u>	KY	Outstanding	9/30/2017
4: AML	<u>866-0367</u>	248955 Revelation Energy LLC	<u>8660367</u>	KY	Outstanding	9/30/2017
5: AML	<u>867-0523</u>	248955 Revelation Energy LLC	<u>8670523</u>	KY	Outstanding	9/30/2017
6: State Cessation Order	<u>JLB0000334-BR</u>	248955 Revelation Energy LLC	<u>1102080</u>	VA	Conditional	6/4/2018
7: State Cessation Order	<u>JLB0000187-SS</u>	248955 Revelation Energy LLC	<u>1102080</u>	VA	Conditional	2/15/2018
8: State Cessation Order	<u>GWS0011710-SD</u>	248955 Revelation Energy LLC	<u>1102080</u>	VA	Conditional	12/20/2017
9: State Cessation Order	<u>JLB0000427-SS</u>	248955 Revelation Energy LLC	<u>1102080</u>	VA	Outstanding	8/14/2018
10: State Cessation Order	<u>JLB0000206AO</u>	248955 Revelation Energy LLC	<u>1102135</u>	VA	Conditional	2/26/2018
11: State Cessation Order	<u>JLB0000204-AO</u>	248955 Revelation Energy LLC	<u>1102137</u>	VA	Conditional	2/26/2018
12: State Cessation Order	<u>231299</u>	248955 Revelation Energy LLC	<u>8075263</u>	KY	Outstanding	8/7/2018
13: State Cessation Order	<u>231298</u>	248955 Revelation Energy LLC	<u>8075263</u>	KY	Conditional	7/17/2018
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18: State Cessation Order	<u>631582</u>	248955 Revelation Energy LLC	<u>8480352</u>	KY	Conditional	1/8/2018

19: State Cessation Order	<u>631580</u>	48955 Revelation Energy LLC	<u>8480356</u>	KY	Conditional	11/13/2017
20: State Cessation Order	<u>631551</u>	248955 Revelation Energy LLC	<u>8485578</u>	KY	Conditional	1/5/2018
21: State Cessation Order	<u>631021</u>	248955 Revelation Energy LLC	<u>8660367</u>	KY	Conditional	1/11/2018
22: State Cessation Order	<u>631020</u>	248955 Revelation Energy LLC	<u>8660368</u>	KY	Conditional	1/8/2018
23: State Cessation Order	<u>631552</u>	248955 Revelation Energy LLC	<u>8669015</u>	KY	Conditional	7/31/2018
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25: State Cessation Order	<u>230941</u>	248955 Revelation Energy LLC	<u>8670523</u>	KY	Conditional	9/9/2016
26: State Cessation Order	<u>231373</u>	248955 Revelation Energy LLC	<u>8670523</u>	KY	Conditional	2/14/2017
27: State Cessation Order	<u>531482</u>	248955 Revelation Energy LLC	<u>8980892</u>	KY	Conditional	12/4/2017
28: State Cessation Order	<u>531449</u>	248955 Revelation Energy LLC	<u>8980903</u>	KY	Outstanding	8/7/2018
29: State Cessation Order	<u>531772</u>	248955 Revelation Energy LLC	<u>8980936</u>	KY	Conditional	1/25/2018
30: State Cessation Order	<u>50-C</u>	248955 Revelation Energy LLC	<u>S300404</u>	WV	Outstanding	7/31/2018
31: State Cessation Order	<u>45-C</u>	248955 Revelation Energy LLC	<u>S300609</u>	WV	Conditional	5/30/2017
32: State Cessation Order	<u>46-C</u>	150980 Keystone Industries Llc (dba Keystone Devl Llc)	<u>S300609</u>	WV	Conditional	3/21/2017
33: State Civil Penalty	<u>21-N</u>	150980 Keystone Industries Llc (dba Keystone Devl Llc)	<u>S300609</u>	WV	Conditional	5/1/2015
34: State Civil Penalty	<u>27-N</u>	150980 Keystone Industries Llc (dba Keystone Devl Llc)	<u>S300609</u>	WV	Conditional	9/16/2015
35: State Civil Penalty	<u>30-N</u>	150980 Keystone Industries Llc (dba Keystone Devl Llc)	<u>S300609</u>	WV	Conditional	12/28/2015
36: State Civil Penalty	<u>39-N</u>	150980 Keystone Industries Llc (dba Keystone Deyl Llc)	<u>S300609</u>	WV	Conditional	10/11/2016
		150980 Keystone Industries Llc (dba Keystone Devl Llc)				

Evaluation OFT

Entities: 22

258189 Contura Energy Inc - ()
 ---126295 Suzan E Moore - (Corporate Officer)
 ---126295 Suzan E Moore - (Senior Vice President)
 ---133477 Kevin S Crutchfield - (Chief Executive Officer)
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 ---256494 Mark M Manno - (Corporate Officer)
 ---256494 Mark M Manno - (Executive Vice President)
 ---256494 Mark M Manno - (Secretary)

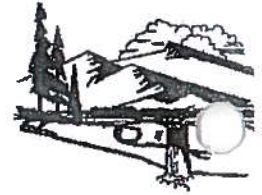
---258194 Contura Energy LLC - (Subsidiary C)
 -----126295 Suzan E Moore - (Corporate Officer)
 -----126295 Suzan E Moore - (Senior Vice President)
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 -----253873 C Andrew Eidson - (President)
 -----256494 Mark M Manno - (Secretary)
 -----256494 Mark M Manno - (Vice President)
 -----258220 Neale X Trangucci - (Chairman of the Board)
 -----258220 Neale X Trangucci - (Director)
 -----259457 Kevin L Stanley - (Corporate Officer)
 -----259457 Kevin L Stanley - (Executive Vice President)
 -----260378 Michael Ward - (Director)
 -----260379 Anthony Orlando - (Director)
 260311 Lime Rock Partners - ()
 -----256224 Jeffery Scofield - (Member)
 -----260310 Blackjewel Holdings LLC - (Subsidiary Company)
 -----260308 Blackjewel LLC - (Subsidiary Company)
 -----127992 Jeffery Alan Hoops - (President)
 -----258050 Drew Kesler - (Chief Financial Officer)
 260312 Black Jewel Investment LLC - ()
 -----260310 Blackjewel Holdings LLC - (Subsidiary Company)
 -----260308 Blackjewel LLC - (Subsidiary Company)
 -----127992 Jeffery Alan Hoops - (President)
 -----258050 Drew Kesler - (Chief Financial Officer)

Narrative



Department of Environment Quality

*To protect, conserve and enhance the quality of Wyoming's
environment for the benefit of current and future generations*



Matthew H. Mead, Governor

Todd Parfitt, Director

**CERTIFIED MAIL # 7016 2710 0000 4943 4310
RETURN RECEIPT REQUESTED**

August 10, 2018

Ms. Gretchan Anderson
Contura Coal West, LLC
P.O. Box 3039
Gillette, WY 82717-3039

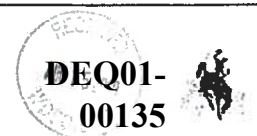
**RE: Contura Coal West, LLC, Belle Ayr Mine T9 Renewal Application, Final Public
Notice (Permit No. 214-T8; TFN 6 1/315)**

Dear Ms. Anderson,

The Land Quality Division District 3 staff have completed our review of the above referenced small mine permit application. This application is deemed **Technically Complete** per W.S. § 35-11-406(h) and directs the following actions per W.S. § 35-11-406(j):

1. File a copy of the application with the Campbell County Clerk, and
2. Publish the second and final public notice in a paper of general circulation in Campbell County, and
3. Mail a copy of the public notice to all parties listed in W.S. 35-11-406(j), and
4. Mail a copy of the Mine Plan map to the Wyoming Oil and Gas Conservation Commission.

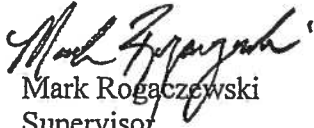
Attachment No. 1 contains the suggested content for the final public notice and provides further direction on each action listed above. **Please send a draft copy of the public notice to the LQD D3 office for review prior to initiating the publication process. The LQD is also requesting a copy of the publication be sent to the LQD D3 office immediately after the notice is published the first time so the LQD can post it on the DEQ website.** Attachment No. 2 contains the suggested format for the affidavit for the public mailings.



Belle Ayr Mine Permit 214
T9 Renewal Application, TFN 6 1/315
August 10, 2018
Page 2 of 2

If you have any questions, please contact me by phone at 307-675-5616.

Sincerely,



Mark Rogaczewski
Supervisor
LQD District 3

Attachments: Formats for Second Public Notice and Affidavit of Mailings

xc: Cheyenne LQD Files (w/out attach.)



DEQ01-
00136



Craig Hults <craig.hults@wyo.gov>

Belle Ayr Renewal - Form Review - TFN 6 1/315

Craig Hults <craig.hults@wyo.gov>

Thu, Jul 26, 2018 at 1:35 PM

To: Mark Rogaczewski <mark.rogaczewski@wyo.gov>

Mark, I have reviewed the renewal application form for TFN 6 1/315 and the form is acceptable as submitted and may be approved. Craig.

[Quoted text hidden]



Department of Environmental Quality



To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Matthew H. Mead, Governor

Todd Parfitt, Director

July 11, 2018

Kurt Triscori
Bureau of Land Management
Casper District Office
2987 Prospector Drive
Casper, WY 82604

RE: Straight Renewal Application for Contura Coal West, LLC, Belle Ayr Mine, Permit No. 214-T8; TFN 6 1/315

Dear Mr. Triscori:

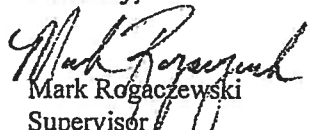
The Land Quality Division (LQD) received this application under Gretchen Anderson's cover letters dated May 29 and June 18, 2018 (attached). This is a straight renewal application under LQD procedures in that the application updates specific permit elements for the next five year term. There are some minor elements of true revision, but they do not fundamentally affect any existing permit commitments.

The LQD is not soliciting any review of this renewal application by your agency. This letter is for notification purposes only. However, if you are aware of any elements of the LQD permit which should be updated or revised due to requirements of or authorizations granted by your agency, please advise the LQD of those needs. The LQD will consult with you on appropriate actions.

If applicable, the LQD will direct Contura Coal West, LLC, Belle Ayr Mine to supply the required number of copies of the renewed permit after it is approved.

I am the Permit Coordinator for this application. If you have any questions, please contact me at (307) 675-5616.

Sincerely,


Mark Rogaczewski
Supervisor
LQD District III

/MR

Attachment: Application Cover Letters

xc: Cheyenne LQD File (without attachments)



Coal First Government Letters

Attached letter sent to:

Mark Sattelberg
Gillette, WY 82716
U.S. Fish & Wildlife Service
5353 Yellowstone Rd., Suite 308A
Cheyenne, WY 82009

Mike Happold
U.S. Army Corps of Engineers
Wyoming Office
2232 Dell Range Blvd.
Cheyenne, WY 82009

Jeff Fleischman
Office of Surface Mining
Casper Field Office
P.O. Box 11018
Casper, WY 82602

Nicole Caveny
Office of Surface Mining
Western Region
1999 Broadway, Suite 3320
Denver, CO 80202-3050

Kurt Triscori
Bureau of Land Management
Casper District Office
2987 Prospector Drive
Casper, WY 82604

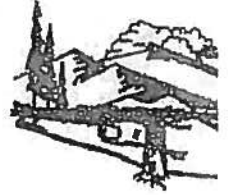
Scott Talbott
State of Wyoming
Game & Fish Department
5400 Bishop Blvd.
Cheyenne, WY 82002



**DEQ01-
00139**



Department of Environmental Quality



To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Matthew H. Mead, Governor

Todd Parfitt, Direct

**CERTIFIED MAIL # 7010 3090 0001 6474 3416
RETURN RECEIPT REQUESTED**

July 3, 2018

Ms. Gretchan Anderson
Contura Coal West, LLC
P.O. Box 3039
Gillette, WY 82717-3039

RE: Contura Coal West, LLC, Belle Ayr Mine T8-T9 Renewal Application, Completeness Declaration (Permit No. 214-T8; TFN 6 1/315)

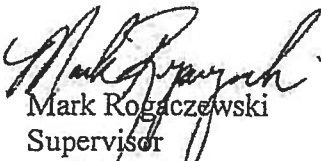
Dear Ms. Anderson,

The Contura Coal West, LLC, Belle Ayr Mine T8-T9 renewal application arrived at the Wyoming Department of Environmental Quality (DEQ), Land Quality Division (LQD), District 3 office on May 31, 2018 with unsolicited revisions received on June 20, 2018.

I have reviewed the application for completeness. I now deem the application **Complete** as per W.S. § 35-11-406 (e). Please proceed with the first publication according to the Format No. 1 document provided as required by W.S. § 35-11-406 (g). Once publication has occurred please supply the DEQ-LQD District III with the publisher's affidavit. The LQD is also requesting a copy of the Public Notice be sent to the LQD D3 office immediately after the notice is published so the LQD can post it on the DEQ website.

If you have any questions, please contact me at (307) 673-9337.

Sincerely,


Mark Rogaczewski
Supervisor
LQD District 3

/MR

Attachment: Format No. 1

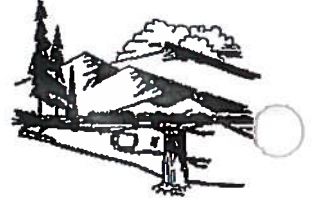
xc: Cheyenne File (w/out attachments)





Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.



Matthew H. Mead, Governor



Todd Parfitt, Director

Mr. Mark Thrall
PO Box 3039
Gillette, WY 82717

RE: Permit Renewal Fee Receipt, Contura Coal West, LLC, PT0214, TFN 6 1/315

Dear Mr. Thrall:

This letter constitutes a receipt for your fees in the amount of \$2,000.00, check number 101182, check written in the name of Blackjewel L.L.C., for your renewal application.

If you have any questions regarding this correspondence, please contact Vanessa Romero of the Cheyenne office at 307-777-7052.

Sincerely,

Kyle Wendtland
Administrator

Date: June 11, 2018

cc: Tammi Pusheck, LQD Cheyenne
Kim Pandullo, LQD Cheyenne
Mark Rogaczewski, LQD Sheridan

DEPARTMENT OF ENVIRONMENTAL QUALITY

COAL FEE TRANSMITTAL

TRANSMITTAL NO. 018

001 003 0000 (form 1) 2134 000

TO: DEQ Accounting and Fiscal Control

(form 3) 2153

FROM: DEQ Land Quality Division

(form 4) 2154

DATE: 6/7/2018

(form 5) 2153

RECEIPT NUMBER	PERMIT NO.	COMPANY NAME	CHECK NUMBER	AMOUNT
Letter dated 6/7/2018	PT0214 Renewal TFN 6 1/315	Contura Coal West, LLC, check in name of Blackjewel L.L.C Form 1 D3	101182	\$2,000.00
Total Amount:				\$2,000.00

LQD Transmittal By: Vanessa Romero

Date: 6/7/2018

Delivered to

Date: *June 2018*

Accounting & Fiscal Control Section *June 2018*

Blackjewel L.L.C.
10023 Hwy 14-16 North
Gillette WY 82716

101182

May 25 2018

PAY TO THE
ORDER OF

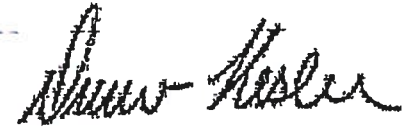
Department of Environmental Quality

Land Quality Division
200 West 17th Street, Suite 10
Cheyenne WY 82002
USA

*****\$2,000.00

*** Two Thousand and 00/100 US Dollar

United Bank



FOR

101182

Check 101182

Vendor : V-001485, DEPARTMENT OF ENVIRONMENTAL QUALITY - LAND QUALITY DIVISION

Invoice number	Currency	Invoice date	Gross amount	Cash discount	Payment amount
REQ05172018	USD	5/17/2018	2,000.00	0.00	2,000.00
Total					2,000.00

Renewal Fee

PT 214

Rec'd 6/6/18

TFN 6/1/315

DEQ01-
00143



AFFIDAVIT

TO WHOM IT MAY CONCERN:

This is to certify that Gretchen Anderson of Belle Ayr Mine

has on this date Filed _____ Left for Review XXX the following:
Term Renewal Contura Coal West, LLC, Belle Ayr Mine Permit No. 214-T9

consisting of one volume..

_____ in the office of County Clerk.

If filed, these items will remain in the office of the Campbell County Clerk permanently.

If left for review, they will be available to the public until Sept 14, 2018

_____. After that time the responsible party(ies) will be able to remove the volume(s) from the office of the Campbell County Clerk.

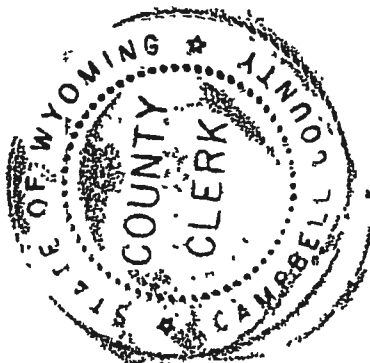
Received this 14 day of August, 2018.

Susan F. Saunders

Susan F. Saunders

Mauda Doman

Deputy



Campbell County
CENTENNIAL



Office of
COUNTY CLERK

500 S. Gillette Avenue, Suite 1600 • P.O. Box 3010 • Gillette, Wyoming 82717-3010
Phone: 307.682.7285 • Fax: 307.687.6455

DATE: August 14, 2018

Dept. of Environmental Quality
Land Quality Division
122 W. 25th St., Herschler Bldg.
Cheyenne, WY 82001

Please be advised that the following permit has been put on review:
Term Renewal Contura Coal West, LLC, Belle Ayr Mine Permit No. 214-T9

The same will be on review through Sept. 14, 2018.

CAMPBELL COUNTY CLERK
SUSAN F. SAUNDERS

By: *Maria Coleman*
Deputy



6/3/15
RECEIVED
AUG 16 2018
DEQ01-00145

PUBLIC NOTICE

Mine Permit Renewal

Contura Coal West, LLC of Gillette, Wyoming has filed for a mining permit renewal application with the Land Quality Division of the Wyoming Department of Environmental Quality for the mining of coal in Campbell County, Wyoming. The mining permit area (Permit No. 214; Belle Ayr Mine) is approximately 16 miles southeast of Gillette, Wyoming. The application may be reviewed at the Cheyenne or Sheridan Office of the Land Quality Division. The application will be readvertised for public comment prior to approval by the Department of Environmental Quality.

7/6/18

DEQ01-
00148 15

Application Evaluation

Application Number

TFN61/315 SEQ:16

Applicant Name

258214 Contura Coal West LLC

Date of Request

7/2/2018 9:45:15 AM

Requestor

Guest

CAUTION: The Applicant/Violator System (AVS) is an informational database. Permit eligibility determinations are made by the regulatory authority with jurisdiction over the permit application not by the AVS. Results which display outstanding violations may not include critical information about settlements or other conditions that affect permit eligibility. Consult the AVS Office at 800-643-9748 for verification of information prior to making decisions on these results.

34 Violations Found.

1: State Cessation Order	<u>GWS0011710-SD</u>	VA	Permit:1102080	Conditional	12/20/2017
Violator 1:	248955 Revelation Energy LLC				
2: State Cessation Order	<u>JLB0000187-SS</u>	VA	Permit:1102080	Conditional	2/15/2018
Violator 1:	248955 Revelation Energy LLC				
3: State Cessation Order	<u>JLB0000334-BR</u>	VA	Permit:1102080	Conditional	6/4/2018
Violator 1:	248955 Revelation Energy LLC				
4: State Cessation Order	<u>JLB0000206AQ</u>	VA	Permit:1102135	Conditional	2/26/2018
Violator 1:	248955 Revelation Energy LLC				
5: State Cessation Order	<u>JLB0000204-AQ</u>	VA	Permit:1102137	Conditional	2/26/2018
Violator 1:	248955 Revelation Energy LLC				
6: AML	<u>1202162</u>	VA	Permit:1202162	Conditional	9/30/2017
Violator 1:	248955 Revelation Energy LLC				
7: AML	<u>807-5251</u>	KY	Permit:8075251	Conditional	9/30/2017
Violator 1:	248955 Revelation Energy LLC				
8: State Cessation Order	<u>432110</u>	KY	Permit:8360435	Conditional	8/29/2017
Violator 1:	248955 Revelation Energy LLC				
9: AML	<u>848-0351</u>	KY	Permit:8480351	Conditional	9/30/2017
Violator 1:	248955 Revelation Energy LLC				
10: State Cessation Order	<u>631582</u>	KY	Permit:8480352	Conditional	1/8/2018
Violator 1:	248955 Revelation Energy LLC				
11: State Cessation Order	<u>631580</u>	KY	Permit:8480356	Conditional	11/13/2017
Violator 1:	248955 Revelation Energy LLC				
12: AML	<u>848-5569</u>	KY	Permit:8485569	Conditional	9/30/2017
Violator 1:	248955 Revelation Energy LLC				
13: State Cessation Order	<u>631551</u>	KY	Permit:8485578	Conditional	1/5/2018
Violator 1:	248955 Revelation Energy LLC				
14: State Cessation Order	<u>631021</u>	KY	Permit:8660367	Conditional	1/11/2018
Violator 1:	248955 Revelation Energy LLC				
15: AML	<u>866-0367</u>	KY	Permit:8660367	Conditional	9/30/2017
Violator 1:	248955 Revelation Energy LLC				
16: State Cessation Order	<u>631020</u>	KY	Permit:8660368	Conditional	1/8/2018
Violator 1:	248955 Revelation Energy LLC				
17: AML	<u>867-0522</u>	KY	Permit:8670522	Conditional	9/30/2017
Violator 1:	248955 Revelation Energy LLC				
18: State Cessation Order	<u>230940</u>	KY	Permit:8670523	Conditional	9/9/2016
Violator 1:	248955 Revelation Energy LLC				
19: State Cessation Order	<u>230941</u>	KY	Permit:8670523	Conditional	9/9/2016
Violator 1:	248955 Revelation Energy LLC				
20: State Cessation Order	<u>231373</u>	KY	Permit:8670523	Conditional	2/14/2017
Violator 1:	248955 Revelation Energy LLC				
21: AML	<u>867-0523</u>	KY	Permit:8670523	Conditional	9/30/2017
Violator 1:	248955 Revelation Energy LLC				
22: State Cessation Order	<u>531482</u>	KY	Permit:8980892	Conditional	12/4/2017
Violator 1:	248955 Revelation Energy LLC				
23: State Cessation Order	<u>531772</u>	KY	Permit:8980936	Conditional	1/25/2018
Violator 1:	248955 Revelation Energy LLC				
24: State Cessation Order	<u>24-C</u>	WV	Permit:S300105	Outstanding	3/5/2018
Violator 1:	248955 Revelation Energy LLC				

7/2/2018

Evaluation Report

25: State Cessation Order	<u>25-C</u>	WV	Permit:S300105	Outstanding	3/5/2018
Violator 1:	248955 Revelation Energy LLC				
26: State Cessation Order	<u>24-C</u>	WV	Permit:S300609	Conditional	7/17/2015
Violator 1:	150980 Keystone Industries Llc (dba Keystone Devl Llc)				
27: State Cessation Order	<u>45-C</u>	WV	Permit:S300609	Conditional	5/30/2017
Violator 1:	150980 Keystone Industries Llc (dba Keystone Devl Llc)				
28: State Cessation Order	<u>46-C</u>	WV	Permit:S300609	Conditional	3/21/2017
Violator 1:	150980 Keystone Industries Llc (dba Keystone Devl Llc)				
29: State Civil Penalty	<u>21-N</u>	WV	Permit:S300609	Conditional	5/1/2015
Violator 1:	150980 Keystone Industries Llc (dba Keystone Devl Llc)				
30: State Civil Penalty	<u>27-N</u>	WV	Permit:S300609	Conditional	9/16/2015
Violator 1:	150980 Keystone Industries Llc (dba Keystone Devl Llc)				
31: State Civil Penalty	<u>30-N</u>	WV	Permit:S300609	Conditional	12/28/2015
Violator 1:	150980 Keystone Industries Llc (dba Keystone Devl Llc)				
32: State Civil Penalty	<u>39-N</u>	WV	Permit:S300609	Conditional	10/11/2016
Violator 1:	150980 Keystone Industries Llc (dba Keystone Devl Llc)				
33: State Civil Penalty	<u>52-N</u>	WV	Permit:S300609	Outstanding	3/7/2018
Violator 1:	150980 Keystone Industries Llc (dba Keystone Devl Llc)				
34: State Cessation Order	<u>25-C</u>	WV	Permit:S300905	Conditional	4/4/2017
Violator 1:	248955 Revelation Energy LLC				

Evaluation OFT

Entities: 22

- 258189 Contura Energy Inc - ()
- 126295 Suzan E Moore - (Corporate Officer)
- 126295 Suzan E Moore - (Senior Vice President)
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- 133477 Kevin S Crutchfield - (Director)
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- 253873 C Andrew Eidson - (Manager)
- 253873 C Andrew Eidson - (President)
- 256494 Mark M Manno - (Secretary)
- 256494 Mark M Manno - (Vice President)
- 258220 Neale X Trangucci - (Chairman of the Board)
- 258220 Neale X Trangucci - (Director)
- 259457 Kevin L Stanley - (Corporate Officer)
- 259457 Kevin L Stanley - (Executive Vice President)
- 260378 Michael Ward - (Director)
- 260379 Anthony Oriando - (Director)
- 260311 Lime Rock Partners - ()
- 256224 Jeffery Scofield - (Member)
- 260310 Blackjewel Holdings LLC - (Subsidiary Company)
- 260308 Blackjewel LLC - (Subsidiary Company)
- 127992 Jeffery Alan Hoops - (President)
- 258050 Drew Kesler - (Chief Financial Officer)

7/2/2018

Evaluation Report

- 260312 Black Jewel Investment LLC - ()
- 260310 Blackjewel Holdings LLC - (Subsidiary Con
- 260308 Blackjewel LLC - (Subsidiary Company)
- 127992 Jeffrey Alan Hoops - (President)
- 258050 Drew Kesler - (Chief Financial Officer)

Narrative