

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION  
- Engineering Bureau -  
1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A] Black River Water Management Company, LLC -371287  
[A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD  
Check One Only for [B] or [C]  
[B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM  
[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR  
[D] Other: Specify \_\_\_\_\_
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply  
[A] ☐ Working, Royalty or Overriding Royalty Interest Owners  
[B] ☒ Offset Operators, Leaseholders or Surface Owner  
[C] ☒ Application is One Which Requires Published Legal Notice  
[D] ☒ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,  
[F] ☐ Waivers are Attached

RECEIVED 000  
2016 APR 13 A 7 36

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Brian Wood

Print or Type Name

Signature

Consultant

Title

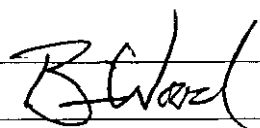
brian@permitswest.com

e-mail Address

4-12-16

Date

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: \_\_\_\_\_ Secondary Recovery \_\_\_\_\_ Pressure Maintenance XXX Disposal \_\_\_\_\_ Storage  
Application qualifies for administrative approval? \_\_\_\_\_ Yes \_\_\_\_\_ No
- II. OPERATOR: BLACK RIVER WATER MANAGEMENT COMPANY, LLC  
ADDRESS: 5400 LBJ FREEWAY, SUITE 1500, DALLAS TX 75240  
CONTACT PARTY: BRIAN WOOD (PERMITS WEST, INC.) PHONE: 505 466-8120
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? \_\_\_\_\_ Yes XXX No  
If yes, give the Division order number authorizing the project: \_\_\_\_\_
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.  
**Black River SWD 1**  
**(Devonian (96101))**
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: BRIAN WOOD  TITLE: CONSULTANT  
SIGNATURE: \_\_\_\_\_ DATE: APR. 12, 2016  
E-MAIL ADDRESS: brian@permitswest.com
- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: \_\_\_\_\_

### III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

---

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

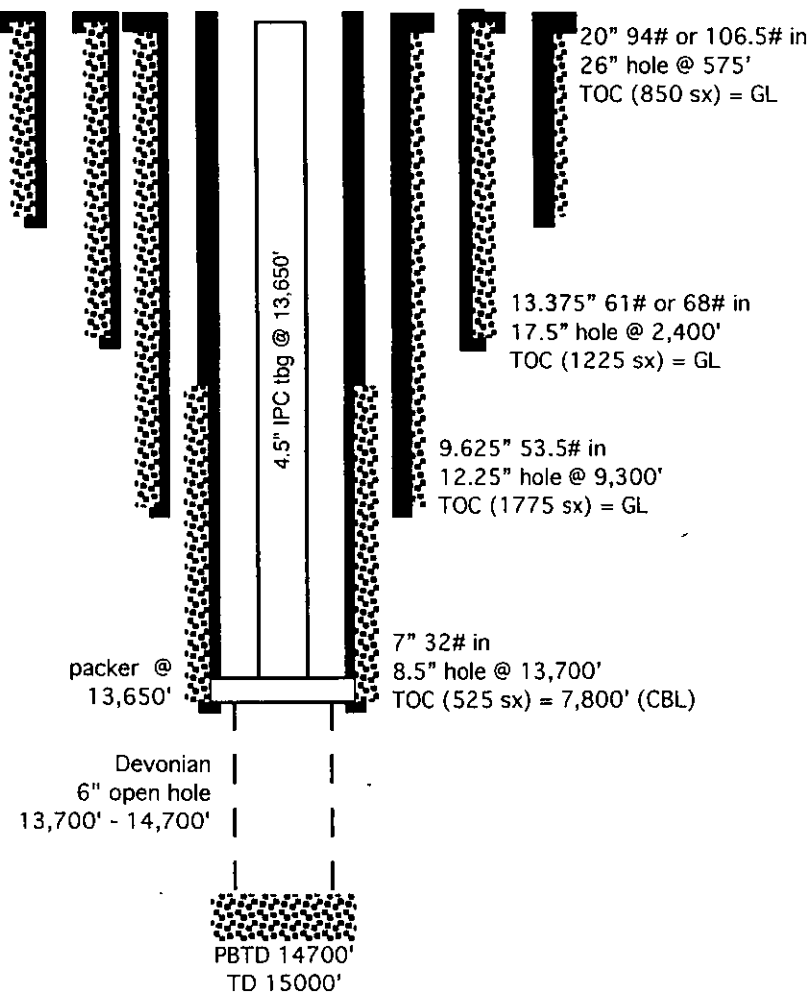
## INJECTION WELL DATA SHEET

OPERATOR: BLACK RIVER WATER MANAGEMENT COMPANY, LLCWELL NAME & NUMBER: BLACK RIVER SWD 1

WELL LOCATION: <u>250' FNL &amp; 2461' FWL</u>	<u>C</u>	<u>31</u>	<u>23 S</u>	<u>28 E</u>
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

(not to scale)

WELL CONSTRUCTION DATASurface Casing

Hole Size: <u>26"</u>	Casing Size: <u>20"</u>
Cemented with: <u>850</u> sx.	<u>or</u> _____ ft <sup>3</sup>
Top of Cement: <u>SURFACE</u>	Method Determined: <u>VISUAL</u>

Intermediate Casing

Hole Size: <u>17.5" &amp; 12.25"</u>	Casing Size: <u>13.375" &amp; 9.625"</u>
Cemented with: <u>1,225 &amp; 1,775</u> sx.	<u>or</u> _____ ft <sup>3</sup>
Top of Cement: <u>SURFACE</u>	Method Determined: <u>VISUAL</u>

Production Casing

Hole Size: <u>8.5"</u>	Casing Size: <u>7" @ 13,700'</u>
Cemented with: <u>525</u> sx.	<u>or</u> _____ ft <sup>3</sup>
Top of Cement: <u>7,800'</u>	Method Determined: <u>CBL</u>
Total Depth: <u>15,000' (PBTD = 14,700')</u>	

Injection Interval

13,700' feet to 14,700'

(Perforated or Open Hole; indicate which)

.....

**INJECTION WELL DATA SHEET**Tubing Size: 4-1/2" Lining Material: IPCType of Packer: STAINLESS STEEL & NICKELPacker Setting Depth: 13,650'

Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_\_

Additional Data

1. Is this a new well drilled for injection? XXX Yes        No

If no, for what purpose was the well originally drilled? \_\_\_\_\_

2. Name of the Injection Formation: DEVONIAN

3. Name of Field or Pool (if applicable): SWD; DEVONIAN (POOL CODE 96101)

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. \_\_\_\_\_

NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: \_\_\_\_\_

OVER: BONE SPRING (6990'), ATOKA (11528'), & MORROW (12104')UNDER: none

BLACK RIVER WATER MANAGEMENT COMPANY, LLC  
BLACK RIVER SWD 1  
250' FNL & 2461' FWL  
SEC. 31, T. 23 S., R. 28 E., EDDY COUNTY, NM

PAGE 1

I. Goal is to drill a 15,000' deep commercial saltwater disposal well. Proposed disposal interval will be 13,700' – 14,700' in the SWD; Devonian (96101). See Exhibit A for C-102 and map. Extra depth is for logging.

II. Operator: Black River Water Management Company, LLC  
Operator phone number: (972) 371-5420  
Operator address: 5400 LBJ Freeway, Suite 1500  
Dallas TX 75240  
Contact for Application: Brian Wood (Permits West, Inc.)  
Phone: (505) 466-8120

III. A. (1) Lease name: Black River SWD (fee)  
Well name and number: Black River SWD 1  
Location: 250' FNL & 2461' FWL, Section 31, T. 23 S., R. 28 E.

A. (2) Thirty-inch conductor pipe will be set at 120' and cemented to surface.

Surface casing (20", 94# or 106.5#, K-55, BTC) will be set at 575' in a 26" hole and cemented to the surface with 850 sacks.

First intermediate casing (13.375", 61# or 68#, K-55, BTC) will be set at 2,400' in a 17.5" hole and cemented to surface with 1,225 sacks

Second intermediate casing (9.625", 53.5#, P-110HC, alternative drift BHC) will be set at 9,300' in a 12.25" hole and cemented to the surface with 1,775 sacks.

Production casing (7", 32#, P-110HC, BTC) will be set at 13,700' in an 8.5" hole and cemented to 7,800' (CBL) with 525 sacks.

A 6" open hole will be drilled to 15,000', logged, and then plugged back to 14,700'.

- A. (3) Tubing will be IPC, 4.5", P-110, 13.5#, LTC. Setting depth will be  $\approx 13,650'$ . (Disposal interval will be 13,700' to 14,700'.)
- A. (4) A stainless steel and nickel packer will be set at  $\approx 13,650'$  (or  $\leq 100'$  above the top of the open hole which will be at 13,700').
- B. (1) Disposal zone will be the Devonian (SWD; Devonian (96101) pool). Estimated fracture gradient is  $\approx 0.62$  to  $\approx 0.68$  psi per foot. Variation depends on whether limestone or dolomite.
- B. (2) Disposal interval will be open hole from 13,700' to 14,700'.
- B. (3) Well has not been drilled. It will be drilled as a saltwater disposal well.
- B. (4) No perforated intervals are in the well.
- B. (5) No producing wells are currently in the area of review. The only active well is a SWD; Delaware well. Zones above the Devonian that have been tested in and around the area of review are the Bone Spring (top 6,990'), Atoka (top 11,528'), and Morrow (top 12,104'). No oil or gas zones are below the Devonian in the area of review.

IV. This is not an expansion of an existing injection project. It is disposal only.

V. Exhibit B shows the 1 existing well (SWD; Delaware) within a half-mile radius. Exhibit C shows all 59 existing wells (22 oil or gas wells + 18 P & A wells + 16 water wells+ 3 disposal wells) within a two-mile radius.

Exhibits D and E shows all leases and lessors within a half-mile radius and two-mile radius. There are BLM, fee, and State leases within each radius.

BLACK RIVER WATER MANAGEMENT COMPANY, LLC  
 BLACK RIVER SWD 1  
 250' FNL & 2461' FWL  
 SEC. 31, T. 23 S., R. 28 E., EDDY COUNTY, NM

PAGE 3

VI. No well within ½ mile penetrated the Devonian (top = 13,694'). Only one well is within ½ mile and its TD was 7775'. The 2 closest (non-water) wells are:

API	WHO	WELL NAME	WELL STATUS	UNIT-SECTION (T23S, R28E)	TVD	ZONE	FROM BLACK RIVER SWD 1
3001524640	BTA	Watts Federal 1	SWD	A-31	7775	Delaware	2145'
3001523489	Hallwood	Cochell Corn 1	P&A	I-30	12824	Atoka & Morrow	2858'

- VII. 1. Average injection rate will be ≈30,000 bwpd.  
 Maximum injection rate will be ≈40,000 bwpd.
2. System will be open and closed. Water will both be trucked and piped.
3. Average injection pressure will be ≈2,500 psi  
 Maximum injection pressure will be 2,740 psi (= 0.2 psi/foot x 13,700' (top of open hole)).
4. Disposal water will be produced water, mainly from Bone Spring and Wolfcamp wells. There are 193 approved Bone Spring wells and 97 approved Wolfcamp wells in T. 23 S., R. 27 & 28 E. and T. 24 S., R. 27 & 28 E. The well will take other Permian Basin waters (e. g., Delaware). A summary of water analyses follows. Their abstracts are in Exhibit F.

Parameter	Devonian	Delaware	Bone Spring	Wolfcamp	Morrow
Bicarbonate	1260	122	1,955	1,026	611
Chloride	34,400	130,543	100,110	67,273	33,036
Sulfate	3,600	940	180	88	0
TDS	63,260	211,635	165,550	111,226	54,903

No compatibility problems have been reported from the closest (4,766' southwest) operating Devonian disposal well (30-015-21643). The 12,470,983 barrels that have been disposed to date include Delaware, Bone Spring, Strawn, Atoka, and Morrow waters.

5. No Devonian producer is within a minimum 4-mile radius.



VIII. The Devonian (1,010' thick) is comprised of limestone and dolomite. It dips to the east at 1°. Average porosity is 4-6%. Closest possible underground source of drinking water above the proposed disposal interval is the Quaternary at the surface. According to State Engineer records (Exhibit G), no water well is within 1-mile. However, a windmill 0.8 mile SSW was found and sampled. A second windmill (0.3 mile SSE) not in State Engineer records was found dry on March 13, 2016. No underground source of drinking water is below the proposed disposal interval.

Formation tops are:

Quaternary = 0'  
Salt = 555'  
Lamar (base of salt) = 2400'  
Bell Canyon = 2450'  
Cherry Canyon = 3270'  
Brushy Canyon = 4465'  
Bone Spring limestone = 5974'  
First Bone Spring sandstone = 6990'  
Second Bone Spring carbonate = 7204'  
Second Bone Spring sand = 7614'  
Third Bone Spring carbonate = 7829'  
Third Bone Spring sand = 8974'  
Wolfcamp = 9294'  
Wolfcamp B = 9634'  
Blair shale = 10431'  
Wolfcamp D = 10814'  
Strawn = 11279'  
Atoka = 11528'  
Morrow = 12104'  
Barnett = 12883'  
Mississippian limestone = 13241'  
Woodford shale = 13594'  
Devonian carbonate = 13694'  
disposal interval = 13700' - 14700'  
Devonian dolomite = 13844'  
PBSD = 14700'  
Montoya = 14704'  
TD = 15000'  
(Ellenberger = 15200')

No water wells are within a 1-mile radius according to State Engineer records (Exhibit G). However, 2 windmills within a mile were found during a March 13,

2016 field inspection. One windmill (0.3 mile SSE) was dry. The second windmill (0.8 mile SSW) was flowing and was sampled. There will be >13,100' of vertical separation and the salt interval between the bottom of the only likely underground water source (Quaternary) and the top of the Devonian. Over 14 million barrels of water have been disposed into the Devonian or zones (Delaware and Bone Spring) above the Devonian within Section 31 and adjacent Section 36.

IX. The well will be stimulated with acid.

X. A CBL and quad combo logs will be run.

XI. Based on February 12-13 and March 13, 2016 field inspections and a review of the State Engineer's records, one active water well is within a one-mile radius.

xii. Black River is not aware of any geologic or engineering data that may indicate the Devonian is in hydrologic connection with any underground sources of water. Deepest water well within a 2-mile radius is 300'. There are 126 approved Devonian saltwater disposal wells and 11 approved Devonian water injection wells in New Mexico. Closest Quaternary fault is  $\approx$ 52 miles southwest (Exhibit H).

XIII. A legal ad (see Exhibit I) was published on April 6, 2016. Notice (this application) has been sent (Exhibit J) to the surface owner (Myrtle Fritschy et al), all leasehold or well operators (Abo Petroleum, BTA, Chase Oil, Robert Chase, Diakan Minerals, Featherstone Development, Federal Abstract, Danielle Lee, McKay Petroleum, Myco Industries, Nadel and Gussman, OMB Royalties, Anita Parker, Jay Small, Linda Small, Ventana Minerals, Yates Petroleum) within a half-mile.

WGS84 104.11667° W



District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources  
Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

FORM C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-015-	<sup>1</sup> API Number	96101	<sup>2</sup> Pool Code	SWD; Devonian	<sup>3</sup> Pool Name
	<sup>4</sup> Property Code	Black River SWD			<sup>5</sup> Well Number #1
	<sup>6</sup> GRID No. 371287	Black River Water Management Company, LLC			<sup>7</sup> Elevation 3126'

<sup>10</sup>Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	31	23-S	28-E	-	250'	NORTH	2461'	WEST	EDDY

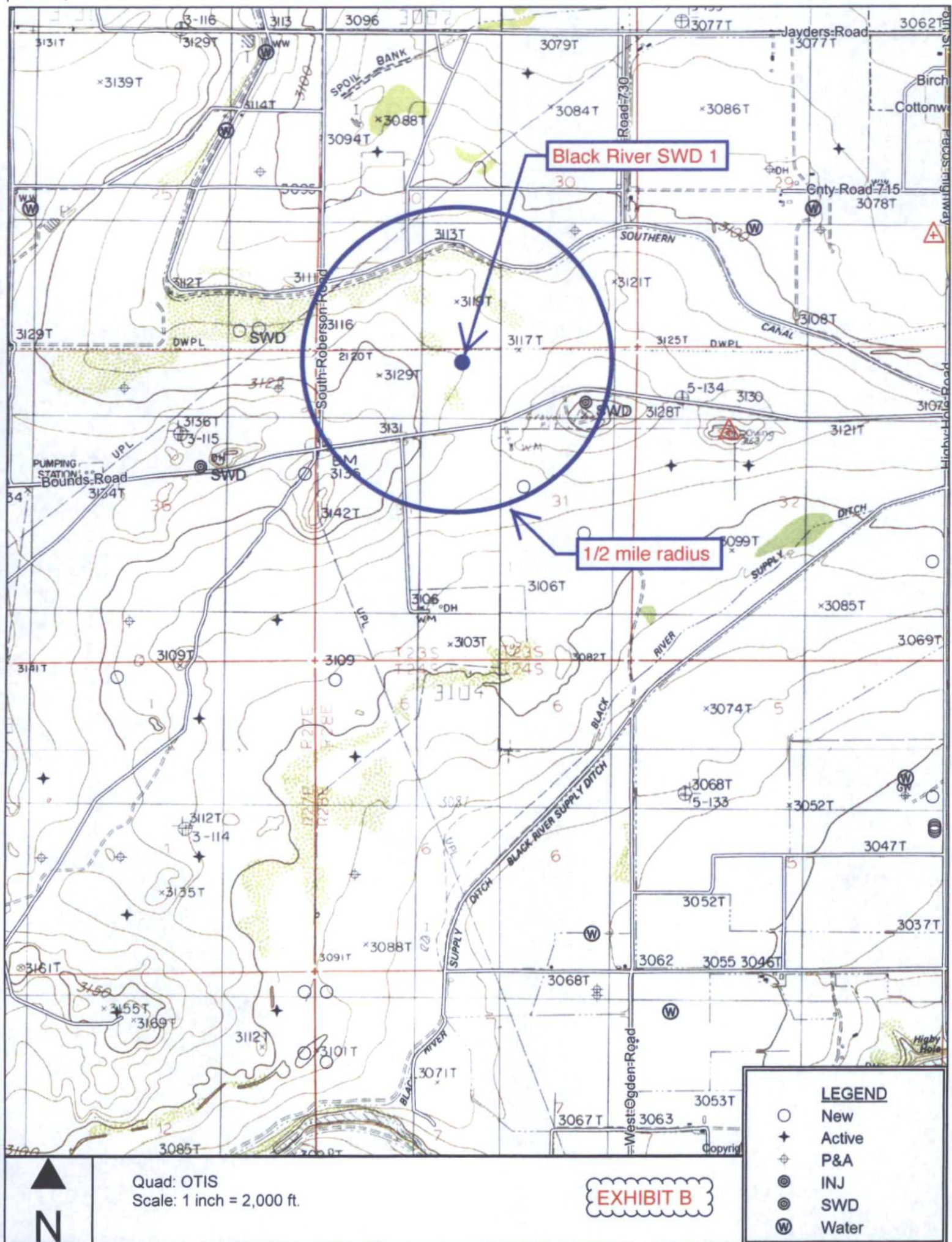
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
-	-	-	-	-	-	-	-	-	-

<sup>12</sup> Dedicated Acres -	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
------------------------------------	-------------------------------	----------------------------------	-------------------------

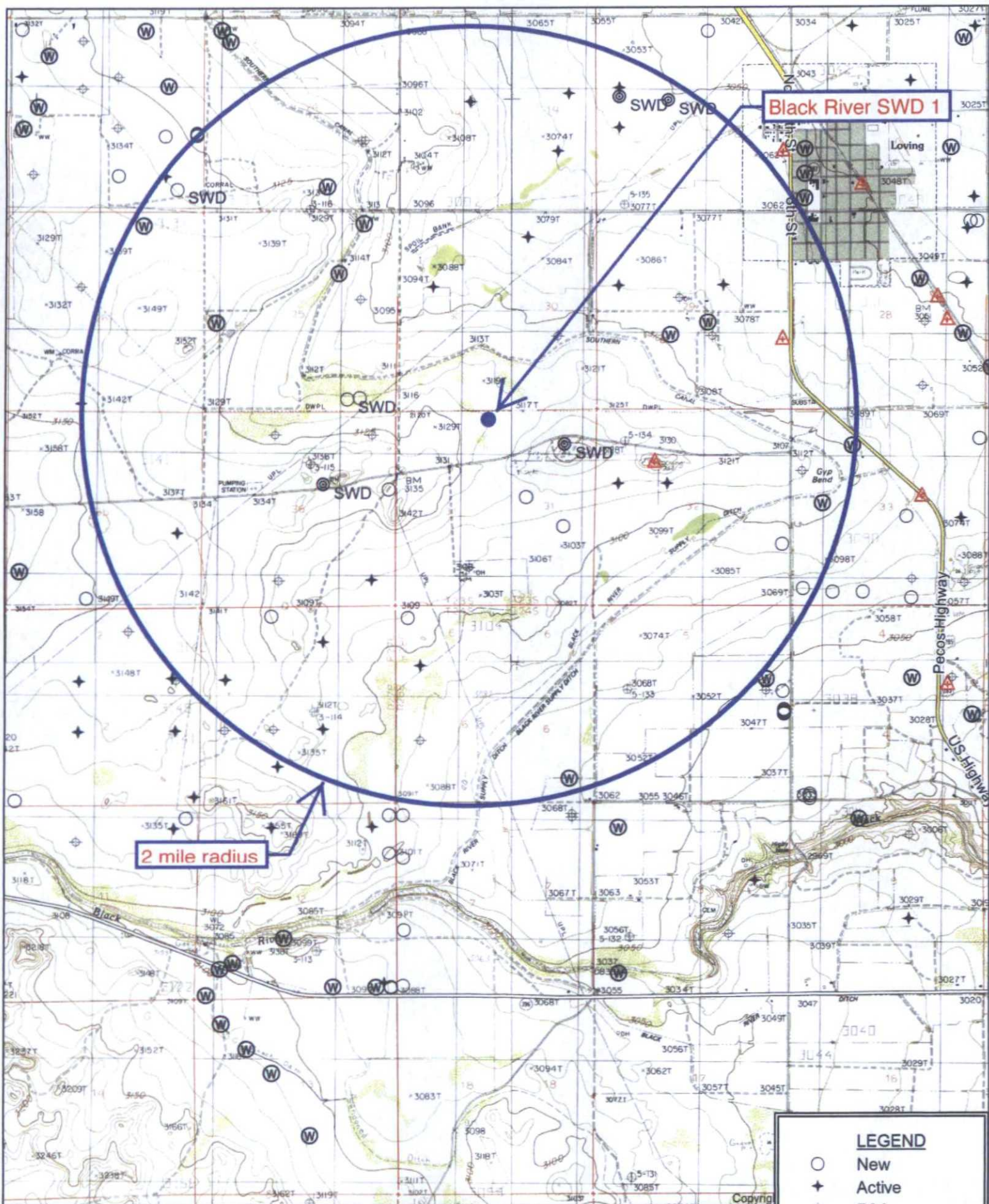
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p><b>SURFACE LOCATION</b> NEW MEXICO EAST NAD 1927 X=563809 Y=461279 LAT.: N 32.2680049 LONG.: W 104.1268910 NAD 1983 X=604991 Y=461337 LAT.: N 32.2681252 LONG.: W 104.1273869</p>	<p><b><sup>17</sup>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p style="text-align: right;">4-12-16</p> <p>Signature <span style="float: right;">Date</span> Brian Wood</p> <p>Printed Name brian@permitswest.com</p> <p>E-mail Address</p>	
		<p><b><sup>18</sup>SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.</p> <p style="text-align: right;">01/15/2016</p> <p>Date of Survey Signature and Seal of Professional Surveyor</p> <p style="text-align: center;">MICHAEL B. BROWN NEW MEXICO 18329 PROFESSIONAL SURVEYOR</p> <p>Certificate Number</p>	









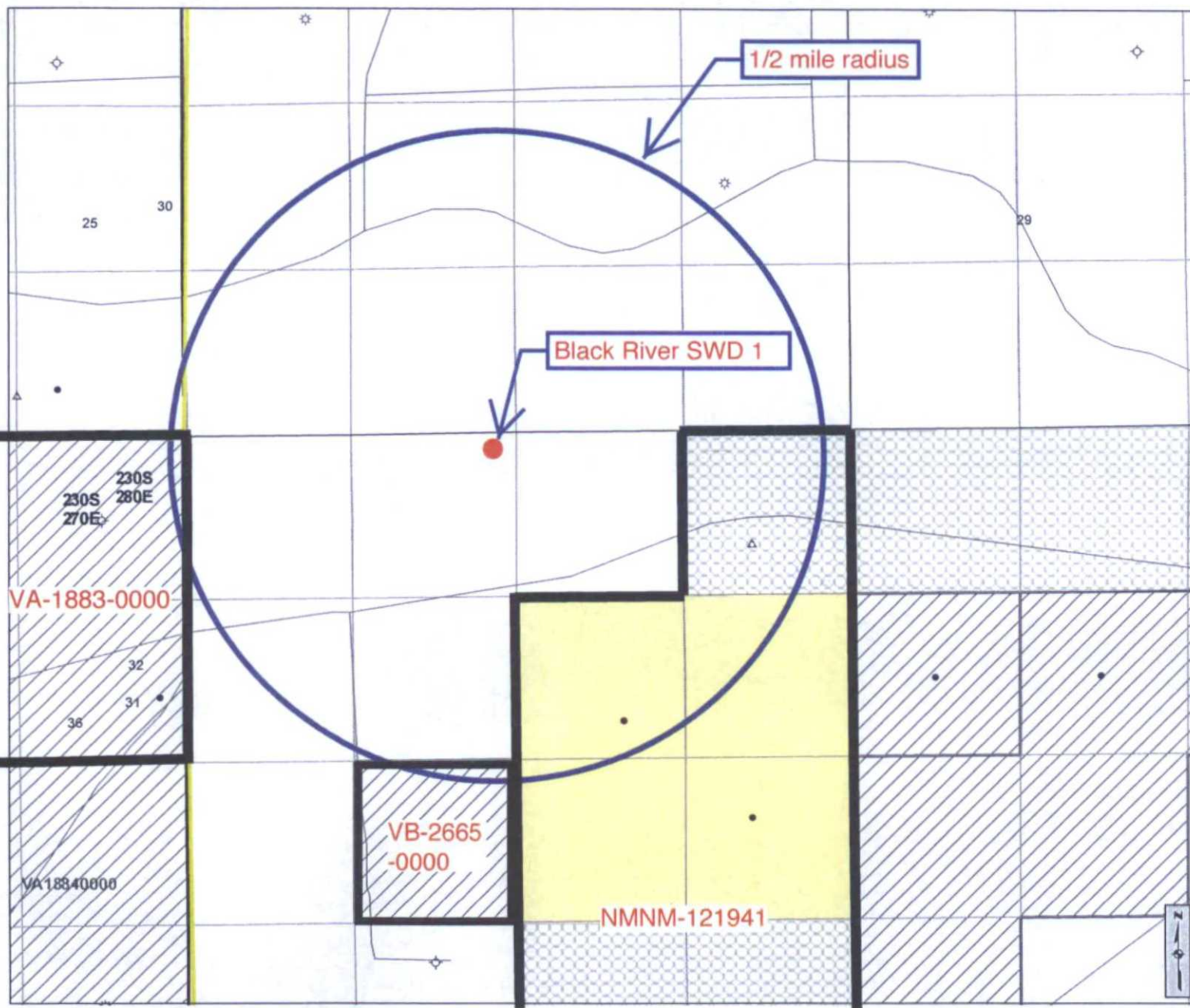
Quad: OTIS  
Scale: 1 inch = 3,333 ft.

EXHIBIT C

#### LEGEND

- New
- + Active
- ⊕ P&A
- ⊙ INJ
- ⊙ SWD
- ⊙ Water





### Cartographic Features

- County Boundaries
- County Seats
- City, Town or Village
- SLO District Offices
- SLO District Boundary
- Hwy Mileposts
- Interstate
- US Hwy
- NM Hwy
- Local Road
- Continental Divide

### Federal Minerals Ownership

- All Minerals
- Coal Only
- Oil and Gas Only
- Oil, Gas and Coal Only
- Other Minerals

### State Trust Lands

- Surface Estate
- Subsurface Estate
- Surface and Subsurface Estate

### State Leases

- Oil and Gas Leases
- Agricultural Leases
- Commercial Leases
- Minerals Leases
- Not Available for Oil and Gas Leasing
- Oil and Gas Leasing Influenced by Restriction

### Oil and Gas Related Features

- Oil and Gas Unit Boundary
- Participating Areas in Units
- Geologic Regions
- Volcanic Vents
- NMOCD Order R-111-P
- Potash Enclave Outline

### NMOCD Oil and Gas Wells

- CO<sub>2</sub>
- Injection
- Gas
- Miscellaneous
- Oil
- Water
- Salt Water Disposal
- DA or PA

## New Mexico State Land Office Oil, Gas and Minerals

0 0.05 0.1 0.2 0.3 0.4 Miles  
Universal Transverse Mercator Projection, Zone 13  
1983 North American Datum

The New Mexico State Land Office assumes no responsibility or liability for, or in connection with, the accuracy, reliability or use of the information provided here, in State Land Office data layers or any other data layer.

Land Office Geographic Information Center  
logic@slo.state.nm.us

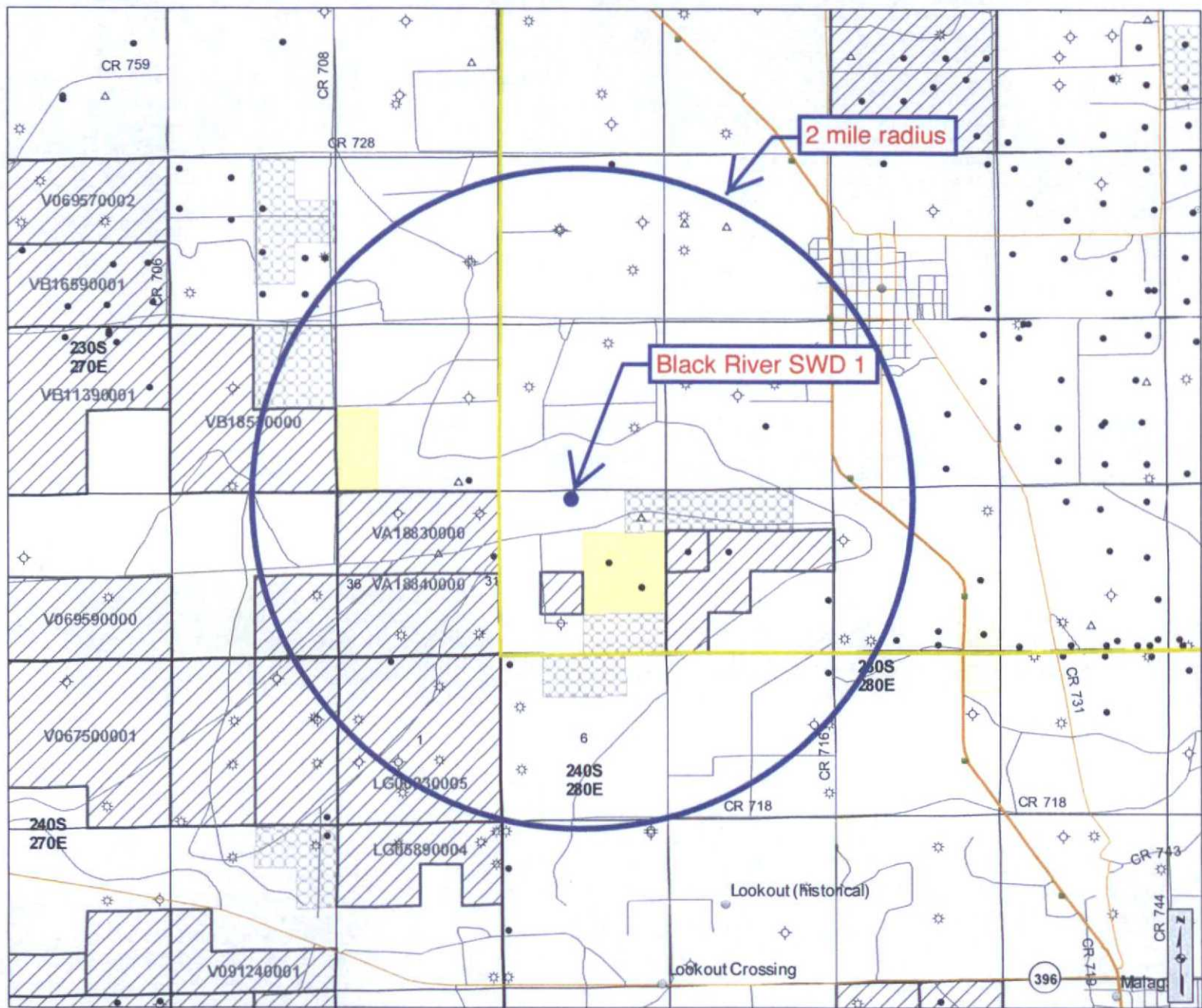
Created On: 2/27/2016 4:51:56 PM

**EXHIBIT D**



[www.nmstatelands.org](http://www.nmstatelands.org)





### Cartographic Features

- County Boundaries
- County Seats
- City, Town or Village
- SLO District Offices
- SLO District Boundary
- Hwy Mileposts
- Interstate
- US Hwy
- NM Hwy
- Local Road
- Continental Divide

### Federal Minerals Ownership

- All Minerals
- Coal Only
- Oil and Gas Only
- Oil, Gas and Coal Only
- Other Minerals

### State Trust Lands

- Surface Estate
- Subsurface Estate
- Surface and Subsurface Estate

### State Leases

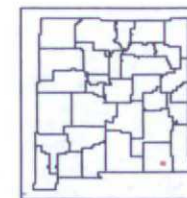
- Oil and Gas Leases
- Agricultural Leases
- Commercial Leases
- Minerals Leases
- Not Available for Oil and Gas Leasing
- Oil and Gas Leasing Influenced by Restriction

### Oil and Gas Related Features

- Oil and Gas Unit Boundary
- Participating Areas in Units
- Geologic Regions
- Volcanic Vents
- NMOCD Order R-111-P
- Potash Enclave Outline

### NMOCD Oil and Gas Wells

- CO<sub>2</sub>
- Injection
- Oil
- Water
- Gas
- Miscellaneous
- Salt Water Disposal
- DA or PA



www.nmstatelands.org

## New Mexico State Land Office Oil, Gas and Minerals

0 0.2 0.4 0.8 1.2 1.6 Miles  
Universal Transverse Mercator Projection, Zone 13  
1983 North American Datum

The New Mexico State Land Office assumes no responsibility or liability for, or in connection with, the accuracy, reliability or use of the information provided here, in State Land Office data layers or any other data layer.

Land Office Geographic Information Center

logic@slo.state.nm.us

Created On: 2/27/2016 4:52:43 PM

**EXHIBIT E**



# NM WAIDS

DATA

MAPS

HOME

SCALE

CORROSION

General Information About: Sample 5199			
SQUARE LAKE DEEP UNIT 001			
API	3001503979	Sample Number	
Unit/Section/ Township/Range	J / 33 / 16 S / 30 E	Field	
County	Eddy	Formation	DEV
State	NM	Depth	
Lat/Long	32.87982 / -103.97885	Sample Source	DST
TDS (mg/L)	63260	Water Type	
Sample Date(MM/DD/YYYY)		Analysis Date(MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	3600
Sodium (Na)		Chloride (Cl)	34400
Calcium (Ca)		Carbonate (CO <sub>3</sub> )	
Magnesium (Mg)		Bicarbonate (HCO <sub>3</sub> )	1260
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H <sub>2</sub> S)	
Strontium (Sr)		Carbon Dioxide (CO <sub>2</sub> )	
Iron (Fe)		Oxygen (O)	



EXHIBIT F

# MITCHELL ANALYTICAL LABORATORY

2638 Faudree  
Odessa, Texas 79765-8538  
561-5579

Company: **WadeCo Specialties, LLC**

Well Number: Santa Fe Fed 4 WH 30-015-27030  
Lease: RKI H-35-22s-28e  
Location: WC20874  
Date Run: 4/8/2014  
Lab Ref #: 14-apr-h14284  
K=1,289.47 ppm

Sample Temp: 70  
Date Sampled: 3/18/2014  
Sampled by: Wade Havens  
Employee #:   
Analyzed by: GR

## Dissolved Gases

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide (H2S)		.00	16.00	.00
Carbon Dioxide (CO2)		60.00	22.00	2.73
Dissolved Oxygen (O2)	<b>NOT ANALYZED</b>			

## Cations

Calcium (Ca++)		25,342.08	20.10	1,260.80
Magnesium (Mg++)		1,698.24	12.20	139.20
Sodium (Na+)		52,917.44	23.00	2,300.76
Barium (Ba++)	<b>NOT ANALYZED</b>			
Manganese (Mn+)		7.87	27.50	.29
Strontium (Sr++)	<b>NOT ANALYZED</b>			

## Anions

Hydroxyl (OH-)		.00	17.00	.00
Carbonate (CO3=)		.00	30.00	.00
BiCarbonate (HCO3-)		122.20	61.10	2.00
Sulfate (SO4=)		940.00	48.80	19.26
Chloride (Cl-)		130,543.44	35.50	3,677.28
Total Iron (Fe)		4.19	18.60	.23
Total Dissolved Solids		211,635.46		
Total Hardness as CaCO3		70,317.98		
Conductivity MICROMHOS/CM		220,000		

pH 6.180 Specific Gravity 60/60 F. 1.147

CaSO4 Solubility @ 80 F. 8.44MEq/L, CaSo4 scale is likely

## CaCO3 Scale Index

70.0	1.164	100.0	1.764	130.0	3.284
80.0	1.294	110.0	2.214	140.0	3.284
90.0	1.764	120.0	2.214	150.0	3.284

2638 Faudree  
Odessa, Texas 79765-8538  
561-5579

Well Number: Pinnacle State 36-32H 30-015-41587  
Lease: RKI C-36-22s-28e  
Location: WC20910  
Date Run: 4/8/2014  
Lab Ref #: 14-apr-h14273  
*K=1,033.30 ppm*

Sample Temp: 70  
Date Sampled: 3/30/2014  
Sampled by: Wade Havens  
Employee #:   
Analyzed by: GR

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide (H <sub>2</sub> S)		5.00	16.00	.31
Carbon Dioxide (CO <sub>2</sub> )		170.00	22.00	7.73
Dissolved Oxygen (O <sub>2</sub> )	<b>NOT ANALYZED</b>			

Calcium	(Ca++)	9,945.48	20.10	494.80
Magnesium	(Mg++)	1,459.12	12.20	119.60
Sodium	(Na+)	51,717.70	23.00	2,248.60
Barium	(Ba++)	NOT ANALYZED		
Manganese	(Mn+)	1.35	27.50	.05
Strontium	(Sr++)	NOT ANALYZED		

Hydroxyl	(OH-)	.00	17.00	.00
Carbonate	(CO3=)	.00	30.00	.00
BiCarbonate	(HCO3-)	1,955.20	61.10	32.00
Sulfate	(SO4=)	180.00	48.80	3.69
Chloride	(Cl-)	100,110.00	35.50	2,820.00

Total Iron (Fe)	6.9	18.60	.37
Total Dissolved Solids	165,550.75		
Total Hardness as CaCO3	30,846.09		
Conductivity MICROMHOS/CM	202,000		

pH	6.660	Specific Gravity 60/60 F.	1.115
----	-------	---------------------------	-------

CaSO<sub>4</sub> Solubility @ 80 F.      23.81MEq/L,      CaSO<sub>4</sub> scale is unlikely

70.0	1.662	100.0	2.012	130.0	2.642
80.0	1.762	110.0	2.322	140.0	2.642
90.0	2.012	120.0	2.322	150.0	3.012

# MITCHELL ANALYTICAL LABORATORY

2638 Faudree  
Odessa, Texas 79765-8538  
561-5579

Company: **WadeCo Specialties, LLC**

Well Number:	Longview Deep Fed 31-31	30-015-37604	Sample Temp:	70
Lease:	RKI	L-31-22s-29e	Date Sampled:	3/30/2014
Location:	WC20907		Sampled by:	Wade Havens
Date Run:	4/8/2014		Employee #:	
Lab Ref #:	14-apr-h14274		Analyzed by:	GR

K=516.70 ppm

## Dissolved Gases

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide (H <sub>2</sub> S)		5.00	16.00	.31
Carbon Dioxide (CO <sub>2</sub> )		300.00	22.00	13.64
Dissolved Oxygen (O <sub>2</sub> )	<b>NOT ANALYZED</b>			

## Cations

Calcium (Ca++)		5,427.00	20.10	270.00
Magnesium (Mg++)		1,127.28	12.20	92.40
Sodium (Na+)		35,916.64	23.00	1,561.59
Barium (Ba++)	<b>NOT ANALYZED</b>			
Manganese (Mn+)		3.59	27.50	.13
Strontium (Sr++)	<b>NOT ANALYZED</b>			

## Anions

Hydroxyl (OH-)		.00	17.00	.00
Carbonate (CO <sub>3</sub> =)		.00	30.00	.00
BiCarbonate (HCO <sub>3</sub> -)		1,026.48	61.10	16.80
Sulfate (SO <sub>4</sub> =)		88.00	48.80	1.80
Chloride (Cl-)		67,273.92	35.50	1,895.04
Total Iron (Fe)		58.7	18.60	3.16
Total Dissolved Solids		111,226.61		
Total Hardness as CaCO <sub>3</sub>		18,189.35		
Conductivity MICROMHOS/CM		152,700		

pH	6.890	Specific Gravity 60/60 F.	1.077
----	-------	---------------------------	-------

CaSO<sub>4</sub> Solubility @ 80 F.      36.35MEq/L,      CaSO<sub>4</sub> scale is unlikely

### CaCO<sub>3</sub> Scale Index

70.0	.949	100.0	1.249	130.0	1.839
80.0	1.039	110.0	1.519	140.0	1.839
90.0	1.249	120.0	1.519	150.0	2.179

RKI Exploration & Prod., LLC

C-108: Longview Fed 12 SWD No. 5 from SWD-1489 30-015-43596

Wolfcamp Produced Water

WadeCo Specialties, LLC

EXHIBIT F

# MITCHELL ANALYTICAL LABORATORY

2638 Faudree  
Odessa, Texas 79765-8538  
561-5579

Company: **WadeCo Specialties, LLC**

Well Number: Longview Deep Fed 6-41 30-015-37606  
Lease: RKI M-6-23s-29e  
Location: WC20908  
Date Run: 4/8/2014  
Lab Ref #: 14-apr-h14272  
K=101.49 ppm

Sample Temp: 70  
Date Sampled: 3/30/2014  
Sampled by: Wade Havens  
Employee #:   
Analyzed by: GR

## Dissolved Gases

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide	(H <sub>2</sub> S)	5.00	16.00	.31
Carbon Dioxide	(CO <sub>2</sub> )	150.00	22.00	6.82
Dissolved Oxygen	(O <sub>2</sub> )	NOT ANALYZED		

## Cations

Calcium	(Ca++)	1,608.00	20.10	80.00
Magnesium	(Mg++)	517.28	12.20	42.40
Sodium	(Na+)	18,971.44	23.00	824.85
Barium	(Ba++)	NOT ANALYZED		
Manganese	(Mn+)	2.55	27.50	.09
Strontium	(Sr++)	NOT ANALYZED		

## Anions

Hydroxyl	(OH-)	.00	17.00	.00
Carbonate	(CO <sub>3</sub> =)	.00	30.00	.00
BiCarbonate	(HCO <sub>3</sub> -)	611.00	61.10	10.00
Sulfate	(SO <sub>4</sub> =)	.00	48.80	.00
Chloride	(Cl-)	33,036.30	35.50	930.60
Total Iron	(Fe)	1.49	18.60	.08
Total Dissolved Solids		54,903.06		
Total Hardness as CaCO <sub>3</sub>		6,140.85		
Conductivity MICROMHOS/CM		84,500		

pH 6.810

Specific Gravity 60/60 F.

1.038

CaSO<sub>4</sub> Solubility @ 80 F. 53.48MEq/L, CaSO<sub>4</sub> scale is unlikely

## CaCO<sub>3</sub> Scale Index

70.0	-.035	100.0	.285	130.0	.905
80.0	.085	110.0	.545	140.0	.905
90.0	.285	120.0	.545	150.0	1.235

RKI Exploration & Prod., LLC

C-108: Longview Fed 12 SWD No. 5 from SWD-1489 30-015-43596

Morrow Produced Water

WadeCo Specialties, LLC

EXHIBIT F



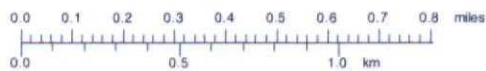
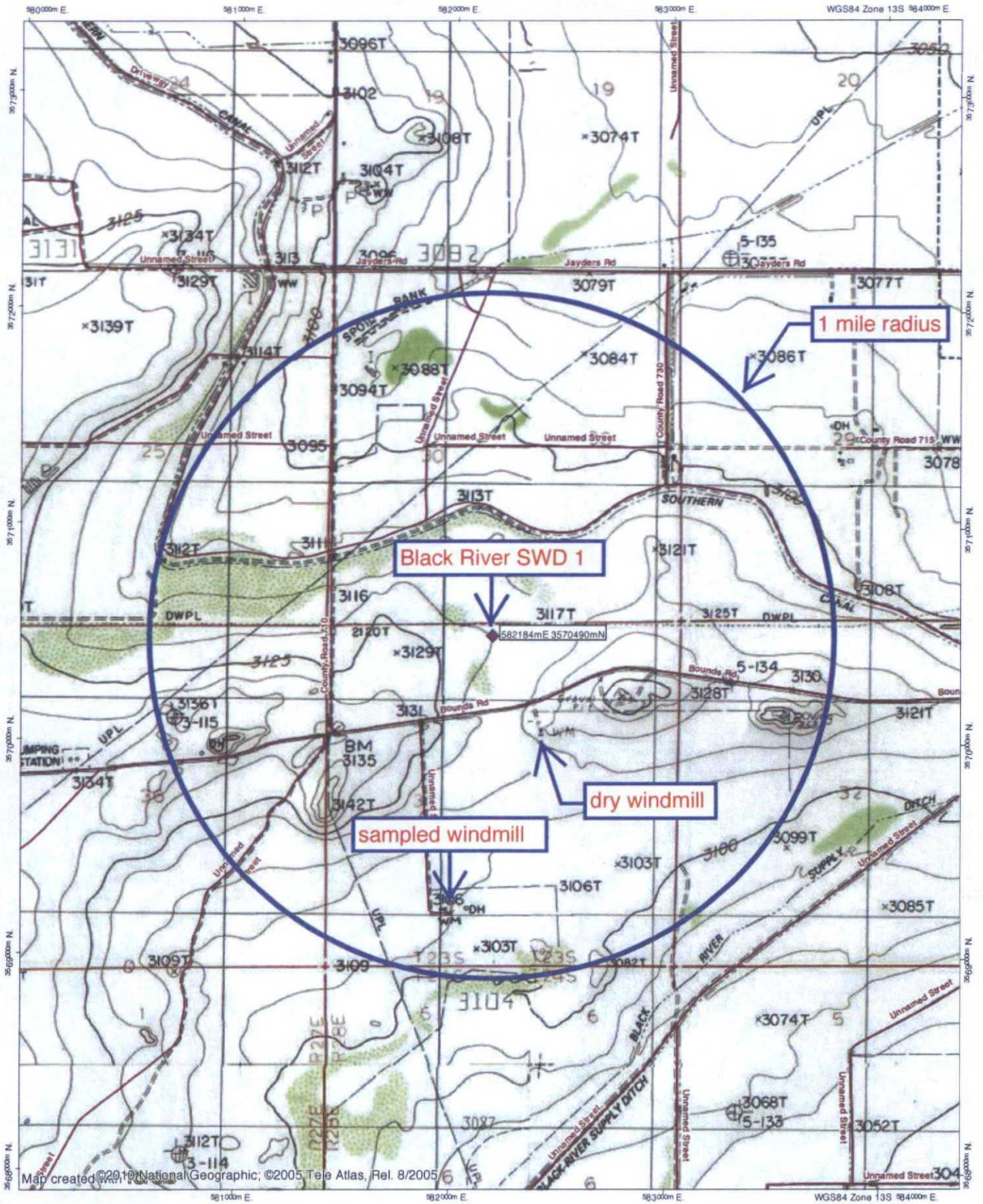


EXHIBIT G

TN 41 MN  
7.5°



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

1637 meters  
= 5369 feet  
= 1.01 mile

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water Column	Water
C 01648	C	ED		2	3	29	23S	28E		583667	3571184*	1637	65	15	50
C 02037	C	ED		2	3	29	23S	28E		583667	3571184*	1637	260		
C 00010 CLW191724	O	ED		2	3	2	25	23S	27E	580926	3571666*	1722	259		
C 00010	CUB	ED		1	2	2	25	23S	27E	581129	3572075*	1904	250	103	147
C 00010 CLW191759	O	ED		1	2	2	25	23S	27E	581129	3572075*	1904	259		
C 00010 ENLGD	CUB	ED		1	2	2	25	23S	27E	581129	3572075*	1904	259		
C 00108	CUB	ED		1	1	4	29	23S	28E	583974	3571285*	1958	152	10	142
C 01477		ED		1	3	3	19	23S	28E	581532	3572484*	2097	127	10	117
C 02004	C	ED		3	4	24	23S	27E		580825	3572378*	2326	232	190	42
C 01992	C	ED		3	4	1	19	23S	28E	581929	3573094*	2616	232	45	187
C 00312	O	ED		3	3	1	20	23S	28E	583140	3573106*	2785	230	70	160
C 03706 POD1	C	ED		3	4	4	22	21S	27E	584939	3569812	2837	200		
C 03831 POD1		ED		4	3	1	33	23S	28E	584939	3569812	2837	300	52	248
C 00481	C	ED		3	2	1	33	23S	28E	585182	3570283*	3005	225	190	35
C 01244	C	ED		4	4	06	24S	28E		582860	3567543*	3023	109	70	39
C 01731	/ C	ED		4	2	05	24S	28E		584483	3568367*	3129	80	30	50
C 03542 POD2	CUB	ED		2	4	4	20	23S	28E	584620	3572497	3156	30		
C 00539	C	ED		3	3	3	21	23S	28E	584767	3572308*	3158	28	6	22
C 03542 POD1	CUB	ED		2	4	4	20	23S	28E	584615	3572530	3173	22	16	6
C 00519	C	ED		2	1	1	28	23S	28E	584970	3572100*	3217	250		

EXHIBIT G

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Average Depth to Water: 62 feet

Minimum Depth: 6 feet

Maximum Depth: 190 feet

-----  
**Record Count:** 20

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 582184

**Northing (Y):** 3570490

**Radius:** 3220

EXHIBIT G



# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1603990

Date Reported: 4/4/2016

CLIENT: Permits West

Client Sample ID: M Black River #1

Project: Matador Black River SWD

Collection Date: 3/12/2016 11:54:00 AM

Lab ID: 1603990-001

Matrix: AQUEOUS

Received Date: 3/18/2016 12:11:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 1664A</b>							Analyst: tnc
N-Hexane Extractable Material	ND	9.8		mg/L	1	3/22/2016 10:20:00 AM	24367
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	720	25	*	mg/L	50	3/31/2016 5:04:30 PM	R33242
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: KS
Total Dissolved Solids	4420	40.0	*D	mg/L	1	3/21/2016 2:30:00 PM	24334

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

EXHIBIT G

Black River SWD 1

32.26812, -104.12738

52 miles

faults

Google earth

© 2016 Google

EXHIBIT H



10 mi

# Black River Water Management Company, LLC

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240

Voice 972.371.5434 • Fax 214.866.4832

[nfrost@matadorresources.com](mailto:nfrost@matadorresources.com)

---

Ned Frost  
Chief Geologist

April 12, 2016

New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505  
[David.Catanach@state.nm.us](mailto:David.Catanach@state.nm.us)

**Re:   Geology Statement**  
**Black River SWD #1 ("the Well")**  
**Section 31, Township 23 South, Range 28 East, N.M.P.M.**  
**Eddy County, New Mexico**

To whom it may concern:

Available geologic and engineering data related to the proposed Well has been thoroughly reviewed, and no evidence for a hydrological connection between the proposed deep Devonian injection zone, located at approximately 13,694', and any underground sources of drinking water has been found.

Sincerely,  
Black River Water Management  
Company, LLC



Ned Frost

EXHIBIT H

**Affidavit of Publication**

State of New Mexico,  
County of Eddy, ss.

**Rynni Henderson**, being first duly  
sworn, on oath says:

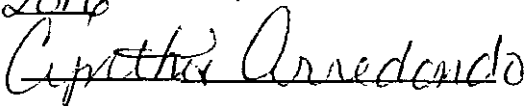
That she is the Publisher of the  
Carlsbad Current-Argus, a  
newspaper published daily at the  
City of Carlsbad, in said county of  
Eddy, state of New Mexico and of  
general paid circulation in said  
county; that the same is a duly  
qualified newspaper under the laws  
of the State wherein legal notices  
and advertisements may be  
published; that the printed notice  
attached hereto was published in the  
regular and entire edition of said  
newspaper and not in supplement  
thereof on the date as follows, to wit:

April 6 2016

That the cost of publication is **\$51.48**  
and that payment thereof has been  
made and will be assessed as court  
costs.

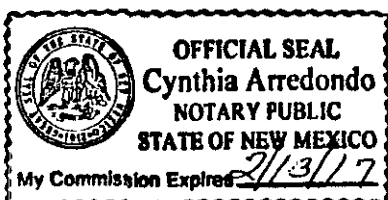


Subscribed and sworn to before me  
this 7 day of April,  
2016



My commission Expires  
2/13/17

Notary Public



**April 6, 2016**  
Black River Water  
Management Compa-  
ny, LLC is applying to  
drill the Black River  
SWD 1 as a saltwater  
disposal well. The well  
is staked at 250 FNL &  
2461 FWL Sec. 31, T.  
23 S., R. 28 E., Eddy  
County and is 2 miles  
southwest of Loving,  
NM. Disposal will be in  
the Devonian from  
13,700' to 14,700'.  
Maximum injection  
pressure will be 2,740  
psi. Maximum dispos-  
al rate will be 40,000  
bwpd. Interested par-  
ties must file objec-  
tions or requests for  
hearing with the NM  
Oil Conservation Divi-  
sion, 1220 South Saint  
Francis Dr., Santa Fe,  
NM 87505 within 15  
days. Additional infor-  
mation can be ob-  
tained by contacting  
Brian Wood, Permits  
West, Inc., 137 Verano  
Loop, Santa Fe, NM  
87508. Phone number  
is (505) 466-8120.

EXHIBIT I

# PERMITS WEST, INC.

PROVIDING PERMITS for LAND USERS

37 Verano Loop, Santa Fe, New Mexico 87508

(505) 466-8120

April 12, 2016

Myrtle Fritschy et al  
603 Elora Rd.  
Carlsbad NM 88220

Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) TD = 15,000'

Proposed Injection Zone: Devonian (from 13,700' to 14,700')

Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM

Approximate Location: ≈2 miles southwest of Loving, NM

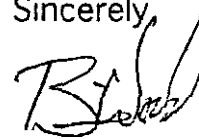
Applicant Name: Black River Water Management Company, LLC (972) 371-5420

Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240

Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,



Brian Wood

<b>U.S. Postal Service™</b>	
<b>CERTIFIED MAIL® RECEIPT</b>	
Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®	
<b>OFFICIAL USE</b>	
Certified Mail Fee	
\$	
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	
\$	
Total Postage and Fees	
\$	
Sent To	
Myrtle Fritschy et al	
603 Elora Road	
Carlsbad NM 88220	
City, State, ZIP+4®	
Mata Black River SWD 1	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

EXHIBIT J



April 12, 2016

Myco Industries Inc.  
P.O. Box 840  
Artesia, NM 88202-0840

Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ~2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240  
Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

*Brian Wood*  
Brian Wood

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®

**OFFICIAL USE**

Postmark: APR 12 2016  
Postage: 0.552-9998

Sent to: Myco Industries Inc.  
PO Box 840  
Artesia NM 88202

City, State, ZIP+4®: Mata Black River SWD 1

PS Form 3800, April 2015 PSN 7530-02-000-9001 See Reverse for Instructions

EXHIBIT J

April 12, 2016

ABO Petroleum Corp  
105 S. 4th Street  
Artesia, NM 88210

Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ~2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240  
Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

*Brian Wood*  
Brian Wood

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®

**OFFICIAL USE**

Postmark: APR 12 2016  
Postage: 0.552-9998

Sent to: ABO Petroleum Corp  
105 S. Fourth Street  
Artesia NM 88210

City, State, ZIP+4®: Mata Black River SWD 1

PS Form 3800, April 2015 PSN 7530-02-000-9001 See Reverse for Instructions

April 12, 2016

Nadel and Gussman  
601 N. Marienfeld, Suite 508  
Midland, TX 79701

Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ≈2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240  
Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

*Brian Wood*

Brian Wood

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com).

Official Mail Fee  
\$

Extra Services & Fees (check box, add fee as appropriate)  
☐ Return Receipt (hardcopy) \$  
☐ Return Receipt (electronic) \$  
☐ Certified Mail Restricted Delivery \$  
☐ Adult Signature Required \$  
☐ Adult Signature Restricted Delivery \$  
 Postage \$

Total Postage and Fees \$

Sent to  
Nadel and Gussman  
601 N. Marienfeld, Suite 508  
Midland TX 79701

City, State, ZIP+4®  
Midland Black River SWD 1

PA Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

EXHIBIT J

April 12, 2016

McKay Petroleum Corp.  
PO Box 2014  
Roswell, NM 88202

Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ≈2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240  
Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

*Brian Wood*

Brian Wood

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com).

Official Mail Fee  
\$

Extra Services & Fees (check box, add fee as appropriate)  
☐ Return Receipt (hardcopy) \$  
☐ Return Receipt (electronic) \$  
☐ Certified Mail Restricted Delivery \$  
☐ Adult Signature Required \$  
☐ Adult Signature Restricted Delivery \$  
 Postage \$

Total Postage and Fees \$

Sent to  
McKay Petroleum Corp.  
PO Box 2014  
Roswell NM 88202

City, State, ZIP+4®  
Midland Black River SWD 1

PA Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

April 12, 2016

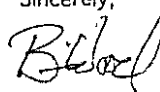
Featherstone Development  
 PO Box 429  
 Roswell, NM 88202

Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ≈2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240  
Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,



Brian Wood

7015 1730 0001 0168 7904

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™.

**OFFICIAL USE**

Certified Mail Fee \$  
 Return Receipt (hardcopy) \$  
 Return Receipt (electronic) \$  
 Certified Mail Restricted Delivery \$  
 Adult Signature Required \$  
 Adult Signature Restricted Delivery \$

Postage \$  
 Total Postage and Fees \$

Sent To: Featherstone Development  
 PO Box 429  
 Roswell NM 88202

Street and Apt. No., or P.O. Box  
 City, State, ZIP+4®  
 Mata Black River SWD 1

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

EXHIBIT J

April 12, 2016

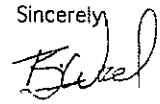
Chase Oil Corporation  
 11344 Lovington Highway  
 Artesia, NM 88210

Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ≈2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240  
Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,



Brian Wood

7015 1730 0001 0168 7911

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™.

**OFFICIAL USE**

Certified Mail Fee \$  
 Return Receipt (hardcopy) \$  
 Return Receipt (electronic) \$  
 Certified Mail Restricted Delivery \$  
 Adult Signature Required \$  
 Adult Signature Restricted Delivery \$

Postage \$  
 Total Postage and Fees \$

Sent To: Chase Oil Corporation  
 11344 Lovington Highway  
 Artesia NM 88210

Street and Apt. No., or P.O. Box  
 City, State, ZIP+4®  
 Mata Black River SWD 1

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



April 12, 2016

Ventana Minerals LLC  
11344 Lovington Highway  
Artesia, NM 88210

Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ≈2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240  
Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,



Brian Wood

2015 1730 0001 0168 7435

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Certified Mail Fee \$  
Extra Services & Fees (check box, add fee as indicated)  
☐ Return Receipt (hardcopy) \$  
☐ Registered Mail Restricted Delivery \$  
☐ Adult Signature Required \$  
☐ Adult Signature Restricted Delivery \$  
Postage \$  
Total Postage and Fees \$

Postmark  
APR 12 2016  
87505-9998

Sent To  
Ventana Minerals LLC  
11344 Lovington Highway  
Artesia NM 88210  
City State ZIP+4®  
Mata Black River SWD 1  
PS Form 3800, April 2015 PSN 7502-02-000-0047 See Reverse for Instructions

EXHIBIT J

April 12, 2016

Diakan Minerals LLC  
11344 Lovington Highway  
Artesia, NM 88210

Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ≈2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240  
Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,



Brian Wood

2015 1730 0001 0168 7429

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Certified Mail Fee \$  
Extra Services & Fees (check box, add fee as indicated)  
☐ Return Receipt (hardcopy) \$  
☐ Registered Mail Restricted Delivery \$  
☐ Adult Signature Required \$  
☐ Adult Signature Restricted Delivery \$  
Postage \$  
Total Postage and Fees \$

Postmark  
APR 12 2016  
87505-9998

Sent To  
Diakan Minerals LLC  
11344 Lovington Highway  
Artesia NM 88210  
City State ZIP+4®  
Mata Black River SWD 1  
PS Form 3800, April 2015 PSN 7502-02-000-0047 See Reverse for Instructions

April 12, 2016

OMB Royalties III LLC  
410 17th Street, Suite 1150  
Denver, CO 80202

Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

**Well Name:** Black River SWD 1 (fee lease) **ID** = 15,000'  
**Proposed Injection Zone:** Devonian (from 13,700' to 14,700')  
**Location:** 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
**Approximate Location:** ≈2 miles southwest of Loving, NM  
**Applicant Name:** Black River Water Management Company, LLC (972) 371-5420  
**Applicant's Address:** 5400 LBJ Freeway, Suite 1500, Dallas TX 75240.  
**Submittal Information:** Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,



Brian Wood

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™.

**OFFICIAL USE**

Certified Mail Fee \$  
Extra Services & Fees shown box, add fee as appropriate:  
☐ Return Receipt (hardcopy)  
☐ Restricted Mail (signature required)  
☐ Certified Mail Restricted Delivery  
☐ Adult Signature Required  
☐ Adult Signature Restricted Delivery  
Postage \$  
Total Postage and Fees \$

Sent to: OMB Royalties III LLC  
Street and Apt. No.: 410 17th Street, Suite 1150  
City, State, ZIP+4®: Denver CO 80202

City, State, ZIP+4®: Santa Fe, NM 87505  
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

PECOS NM  
APR 12 2016  
87505-9998

EXHIBIT J

April 12, 2016

Robert C. Chase  
11344 Lovington Highway  
Artesia, NM 88210

Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

**Well Name:** Black River SWD 1 (fee lease) **ID** = 15,000'  
**Proposed Injection Zone:** Devonian (from 13,700' to 14,700')  
**Location:** 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
**Approximate Location:** ≈2 miles southwest of Loving, NM  
**Applicant Name:** Black River Water Management Company, LLC (972) 371-5420  
**Applicant's Address:** 5400 LBJ Freeway, Suite 1500, Dallas TX 75240  
**Submittal Information:** Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,



Brian Wood

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™.

**OFFICIAL USE**

Certified Mail Fee \$  
Extra Services & Fees shown box, add fee as appropriate:  
☐ Return Receipt (hardcopy)  
☐ Restricted Mail (signature required)  
☐ Certified Mail Restricted Delivery  
☐ Adult Signature Required  
☐ Adult Signature Restricted Delivery  
Postage \$  
Total Postage and Fees \$

Sent to: Robert C. Chase  
Street and Apt. No.: 11344 Lovington Highway  
City, State, ZIP+4®: Artesia NM 88210

City, State, ZIP+4®: Santa Fe, NM 87505  
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

PECOS NM  
APR 12 2016  
87505-9998

April 12, 2016

Linda Gail Small  
140 Jay Porter Ave  
Henderson, NV 89002

Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ≈ 2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240  
Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,



Brian Wood

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Postmark: APR 12 2016

Postage and Fees: \$7.57

To: Linda Gail Small  
140 Jay Porter Ave  
Henderson NV 89002

Met: Black River SWD 1

PS Form 3800, April 2015 PSN 7530-02-000-9041 See Reverse for Instructions

EXHIBIT J

April 12, 2016

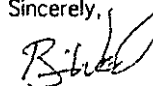
Jay Austin Small, Jr.  
2005 NE 157th Street  
Vancouver, WA 98686

Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ≈ 2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240  
Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,



Brian Wood

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Postmark: APR 12 2016

To: Jay Austin Small Jr.  
2005 NE 157th Street  
Vancouver WA 98686

Met: Black River SWD 1

PS Form 3800, April 2015 PSN 7530-02-000-9041 See Reverse for Instructions

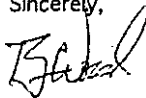
April 12, 2016

Anita June Small Parker  
1306 Pecan Dr.  
Weatherford, TX 79702

Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ~2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240  
Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,  
  
Brian Wood

U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™.

OFFICIAL USE

Certified Mail Fee  
Extra Services & Fees (check box, add fee as appropriate)  
☐ Return Receipt (hardcopy) \$  
☐ Return Receipt (electronic) \$  
☐ Certified Mail Restricted Delivery \$  
☐ Adult Signature Required \$  
☐ Adult Signature Restricted Delivery \$  
Postage  
Total Postage and Fees \$

Sent To  
Anita June Small Parker  
1306 Pecan Dr.  
Weatherford TX 79702  
City, State, ZIP+4®  
Mata Black River SWD 1

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

EXHIBIT J

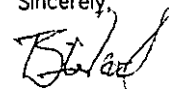
April 12, 2016

Danielle Louise Lee  
P. O. Box 20205  
Mesa, Arizona 85277

Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ~2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240  
Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,  
  
Brian Wood

U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™.

OFFICIAL USE

Certified Mail Fee  
Extra Services & Fees (check box, add fee as appropriate)  
☐ Return Receipt (hardcopy) \$  
☐ Return Receipt (electronic) \$  
☐ Certified Mail Restricted Delivery \$  
☐ Adult Signature Required \$  
☐ Adult Signature Restricted Delivery \$  
Postage  
Total Postage and Fees \$

Sent To  
Danielle Louise Lee  
PO Box 20205  
Mesa AZ 85277  
City, State, ZIP+4®  
Mata Black River SWD 1

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

April 12, 2016

NM State Land Office  
PO Box 1148  
Santa Fe NM 87504

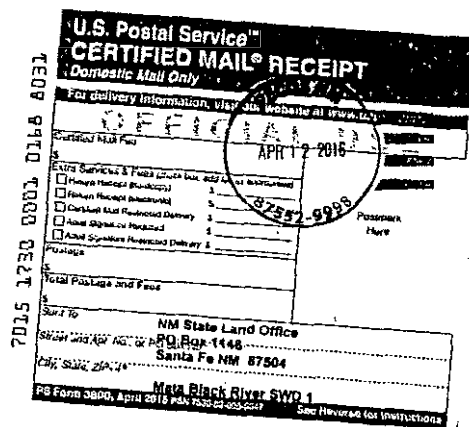
Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ~2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240  
Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood



April 12, 2016

BTA Oil Producers, LLC  
104 South Pecos  
Midland TX 79701

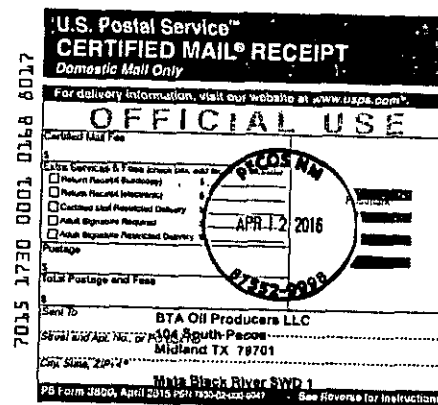
Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ~2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240  
Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood



April 12, 2016

BLM  
620 E. Greene  
Carlsbad, NM 88220

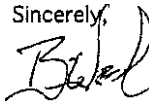
Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000' PBD = 14,700'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ~2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240

Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Phone is (505) 476-3440.

Please call me if you have any questions.

Sincerely,



Brian Wood

7015 1730 0001 016A 8024

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

330

APR 12 2016

1.57

1.57

BLM  
620 E. Greene  
Carlsbad NM 88220

Mata Black River SWD 1

PS Form 3800, April 2015 PSN 7530-02-000-9007 See Reverse for Instructions

EXHIBIT J

April 12, 2016

Yates Petroleum Corp.  
105 S. Fourth Street  
Artesia, NM 88210

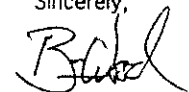
Black River Water Management Company, LLC is applying (see attached application) to drill the Black River SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Black River SWD 1 (fee lease) ID = 15,000' PBD = 14,700'  
Proposed Injection Zone: Devonian (from 13,700' to 14,700')  
Location: 250' FNL & 2461' FWL Sec. 31, T. 23 S., R. 28 E., Eddy County, NM  
Approximate Location: ~2 miles southwest of Loving, NM  
Applicant Name: Black River Water Management Company, LLC (972) 371-5420  
Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240

Submittal Information: Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,



Brian Wood

7015 1730 0001 016A 8024

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

APR 12 2016

Yates Petroleum Corp.  
105 S. Fourth Street  
Artesia NM 88210

Mata Black River SWD 1

PS Form 3800, April 2015 PSN 7530-02-000-9007 See Reverse for Instructions



## C-108 Review Checklist:

Received

4/13/2016

Add. Request:

Reply Date:

Suspended:

[Ver 15]

ORDER TYPE: WFX / PMX / SWD Number:

Order Date:

Legacy Permits/Orders:

Well No. 1 Well Name(s): BLACK RIVER SWDAPI: 30-0 15-Pending Spud Date: TBD New or Old: N (UIC Class II Primacy 03/07/1982)Footages 250 FNL  
2461 FNL Lot \_\_\_\_\_ or Unit C Sec 31 Tsp 23S Rge 28E County EddyGeneral Location: 22 miles SW Loving Pool: \_\_\_\_\_ Pool No.: \_\_\_\_\_BLM 100K Map: Carlsbad Operator: BLACK RIVER SWD OGRID: 37/247 Contact: Brian Wood, agentCOMPLIANCE RULE 5.9: Total Wells: 0 Inactive: 0 Fincl Assur: 0 Compl. Order? \_\_\_\_\_ IS 5.9 OK? X Date: 5-24-2016WELL FILE REVIEWED ☐ Current Status: ProposedWELL DIAGRAMS: NEW: Proposed ☐ or RE-ENTER: Before Conv. ☐ After Conv. ☐ Logs in Imaging: \_\_\_\_\_Planned Rehab Work to Well: CBL 7" / SURFACE

Well Construction Details		Sizes (in)	Setting	Cement	Cement Top and Determination Method	
		Borehole / Pipe	Depths (ft)	Sx or Cf		
Planned ___ or Existing ___ Surface	<u>24 7/8 13 3/4</u>	<u>575</u>	Stage Tool	<u>850</u>	<u>SURFACE / VISUAL</u>	
Planned ___ or Existing ___ Interm/Prod	<u>17 1/2 8</u>	<u>2400</u>		<u>1225</u>	<u>SURFACE / VISUAL</u>	
Planned ___ or Existing ___ Interm/Prod	<u>12 1/4 5 7/8</u>	<u>9300</u>		<u>1775</u>	<u>SURFACE / VISUAL</u>	
Planned ___ or Existing ___ Prod Line	<u>8 1/2 7 1/4</u>	<u>13700</u>		<u>525</u>	<u>7800 / CBL</u>	
Planned ___ or Existing ___ Liner						
Planned ___ or Existing ___ OH / PERF	<u>13700</u>	<u>14700</u>	Inj Length	<u>1000</u>		
Injection Lithostratigraphic Units:		Depths (ft)	Injection or Confining Units	Tops	Completion/Operation Details:	
Adjacent Unit: Litho. Struc. Por.	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>13544</u>	Drilled TD <u>1500</u> PBDT <u>14700</u>	
Confining Unit: Litho. Struc. Por.	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>13644</u>	NEW TD _____ NEW PBDT _____	
Proposed Inj Interval TOP:					NEW Open Hole <input checked="" type="radio"/> or NEW Perfs <input type="radio"/>	
Proposed Inj Interval BOTTOM:					Tubing Size <u>4.5</u> in. Inter Coated? _____	
Confining Unit: Litho. Struc. Por.	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	Proposed Packer Depth <u>13650</u> ft	
Adjacent Unit: Litho. Struc. Por.	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	Min. Packer Depth <u>1355</u> (100-ft limit)	
					Proposed Max. Surface Press. <u>2740</u> psi	
					Admin. Inj. Press. <u>2740</u> (0.2 psi per ft)	
AOR: Hydrologic and Geologic Information						
POTASH: R-111-P <u>MA</u> Noticed? _____ BLM Sec Ord <input type="radio"/> WIPP <input type="radio"/> Noticed? _____ Salt/Salado T: _____ B: _____ NW: Cliff House fm _____						
FRESH WATER: Aquifer _____ Max Depth _____ HYDRO AFFIRM STATEMENT By Qualified Person <input type="radio"/>						
NMOSE Basin: <u>Carlsbad</u> CAPITAN REEF: thru adj <u>NA</u> No. Wells within 1-Mile Radius? <u>1</u> FW Analysis <u>Y</u>						
Disposal Fluid: Formation Source(s) <u>Bone Springs, Permian - Bone Springs</u> Analysis? _____ On Lease <input type="radio"/> Operator Only <input type="radio"/> or Commercial <input type="radio"/>						
Disposal Int: Inject Rate (Avg/Max BWPD): <u>30K/40K</u> Protectable Waters? _____ Source: _____ System: Closed or Open						
HC Potential: Producing Interval <u>MA</u> Formerly Producing? _____ Method: Logs/DST/P&A/Other _____ 2-Mile Radius Pool Map <input type="radio"/>						
AOR Wells: 1/2-M Radius Map? <u>1</u> Well List? _____ Total No. Wells Penetrating Interval: <u>0</u> Horizontals? <u>0</u>						
Penetrating Wells: No. Active Wells <u>0</u> Num Repairs? _____ on which well(s)? _____ Diagrams? _____						
Penetrating Wells: No. P&A Wells <u>0</u> Num Repairs? _____ on which well(s)? _____ Diagrams? _____						
NOTICE: Newspaper Date <u>April 6, 2016</u> Mineral Owner _____ Surface Owner <u>Myrtle Furtus</u> Date <u>April 12, 2016</u>						
RULE 26.7(A): Identified Tracts? <u>Y</u> Affected Persons: <u>Abd Petroleym, Featherstone</u> N. Date <u>April 12, 2016</u>						

Order Conditions: Issues: \_\_\_\_\_

Add Order Cond: \_\_\_\_\_