

APR 19 2019 AM 11:13

STATE OF NEW MEXICO  
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES  
OIL CONSERVATION DIVISION

APR 19 2019 AM 11:13

APPLICATION OF LONGWOOD WATER  
MANAGEMENT COMPANY, LLC FOR  
AUTHORIZATION TO INJECT INTO THE  
RANDY ALLEN FEDERAL SWD No. 1 WELL  
FOR PURPOSES OF DISPOSAL, EDDY  
COUNTY, NEW MEXICO.

CASE NO. 20484

APPLICATION

Longwood Water Management Company, LLC ("Longwood"), OGRID No. 374146, through its undersigned attorneys, hereby files this application with the Oil Conservation Division pursuant to the provisions of N.M. Stat. Ann. § 70-2-17, for an order authorizing injection of produced salt water for purposes of disposal. In support, Longwood states the following:

1. Attached is a complete Form C-108 application for authorization to inject which contains all the information necessary to authorize the requested approval to inject. *See* C-108, attached as Exhibit A, and incorporated herein.

2. Longwood proposes to drill a new commercial salt water disposal well to be named **Randy Allen Federal SWD No. 1 Well** (API No. 30-015-PENDING), which will be located 133 feet from the south line and 2,588 feet from the east line (Unit O), Section 12, Township 26 South, Range 31 East, NMPM, Eddy County, New Mexico.

3. The proposed injection disposal interval would be within the Devonian formation through an open-hole completion between 16,883 feet and 17,863 feet below the ground.

4. Disposal fluid would be produced salt water from producing oil and gas wells in the area.

5. The estimated average disposal volume will be 40,000 barrels of water per day with a maximum anticipated volume of 45,000 barrels of water per day. The average injection pressure is expected to be approximately 2,500 psi with a maximum injection pressure of 3,376 psi.

6. The granting of this application will avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

WHEREFORE, Longwood Water Management Company, LLC requests that this application be set for hearing before an Examiner of the Oil Conservation Division on May 30, 2019, and, after notice and hearing as required by law, the Division enter an order approving this application.

Respectfully submitted,

HOLLAND & HART LLP

By: 

Michael H. Feldewert  
Adam G. Rankin  
Julia Broggi  
Kaitlyn A. Luck  
Post Office Box 2208  
Santa Fe, New Mexico 87504-2208  
(505) 988-4421  
(505) 983-6043 Facsimile  
mfeldewert@hollandhart.com  
agrarkin@hollandhart.com  
jbroggi@hollandhart.com  
kaluck@hollandhart.com

**ATTORNEYS FOR LONGWOOD WATER  
MANAGEMENT COMPANY, LLC**

CASE \_\_\_\_\_: **Application of Longwood Water Management Company, LLC For Authorization to Inject into the Randy Allen Federal SWD No. 1 Well For Purposes of Disposal, Eddy County, New Mexico.** Applicant in the above-styled cause seeks an order authorizing it to drill and operate an injection well for purposes of disposing produced salt water to be named the **Randy Allen Federal SWD No. 1 Well** (API No. 30-015-pending), to be located 133 feet from the south line and 2,588 feet from the east line (Unit O), Section 12, Township 26 South, Range 31 East, NMPM, Eddy County, New Mexico. Injection would be into the Devonian formation through an open-hole completion between 16,883 feet and 17,863 feet. Disposal fluid will be produced water from producing oil and gas wells in the area. Average disposal volume will be 40,000 bpd with a maximum of 45,000 bpd. Average injection pressure will be 2,500 psi with a maximum injection pressure of 3,376 psi. The subject well will be located approximately 21 miles southeast of Malaga, N.M.



RECEIVED:	REVIEWER:	TYPE:	APP NO:
-----------	-----------	-------	---------

ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Geological & 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

**Applicant:** Longwood Water Management Company, LLC**OGRID Number:** 328484**Well Name:** Randy Allen Fed SWD I**API:** 30-025-**Pool:** SWD; Devonian**Pool Code:** 96101

**SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION  
 INDICATED BELOW**

**1) TYPE OF APPLICATION:** Check those which apply for [A]

A. Location - Spacing Unit - Simultaneous Dedication

☐ NSL☐ NSP (PROJECT AREA)☐ NSP (PRORATION UNIT)☐ SD

B. Check one only for [ I ] or [ II ]

[ I ] Commingling - Storage - Measurement

☐ DHC☐ CTB☐ PLC☐ PC☐ OLS☐ OLM

[ II ] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX☐ PMX☒ SWD☐ IPI☐ EOR☐ PPR**2) NOTIFICATION REQUIRED TO:** Check those which apply.A. ☒ Offset operators or lease holdersB. ☒ Royalty, overriding royalty owners, revenue ownersC. ☒ Application requires published noticeD. ☐ Notification and/or concurrent approval by SLOE. ☒ Notification and/or concurrent approval by BLMF. ☒ Surface ownerG. ☒ For all of the above, proof of notification or publication is attached, and/or,H. ☐ No notice required**FOR OCD ONLY**☐ Notice Complete☐ Application  
Content  
Complete

**3) 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

4-18-19

Date

505-466-8120

Phone Number

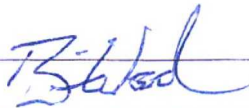
brian@permitswest.com

e-mail Address

**EXHIBIT - A**



**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: Secondary Recovery Pressure Maintenance XXX Disposal Storage  
Application qualifies for administrative approval? XXX Yes No
- II. OPERATOR: LONGWOOD 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.  
**Randy Allen Fed 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: APRIL 16, 2019  
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.



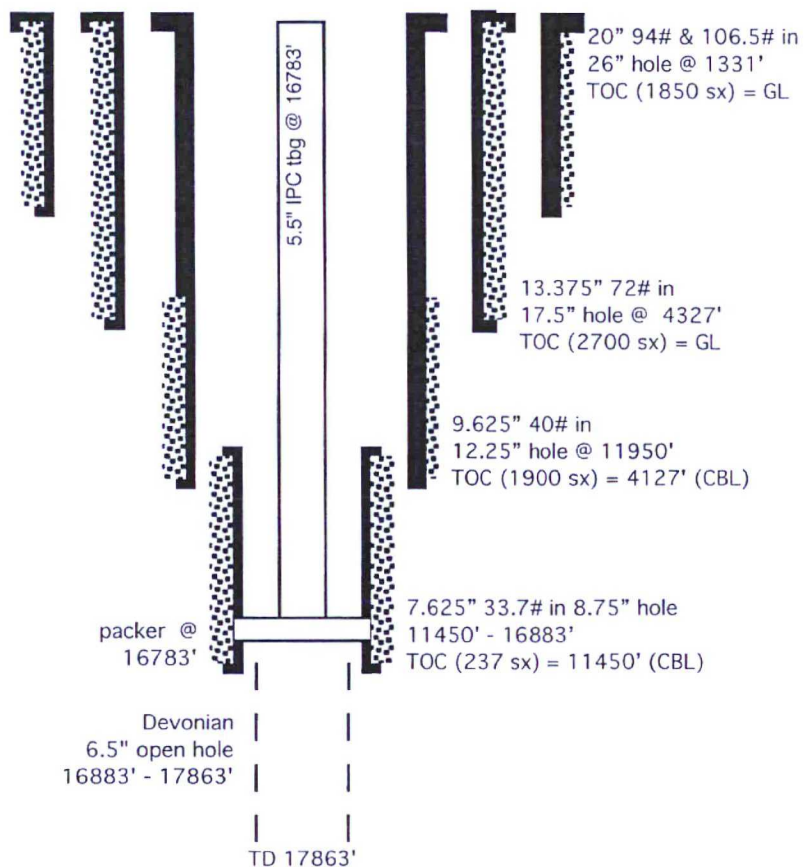
## INJECTION WELL DATA SHEET

OPERATOR: LONGWOOD WATER MANAGEMENT COMPANY, LLCWELL NAME & NUMBER: RANDY ALLEN FED SWD 1

WELL LOCATION: <u>133' FSL &amp; 2588' FEL</u>	<u>O</u>	<u>12</u>	<u>26 S</u>	<u>31 E</u>
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

(not to scale)

WELL CONSTRUCTION DATASurface Casing

Hole Size: 26" Casing Size: 20"  
 Cemented with: 1850 sx. *or* \_\_\_\_\_ ft<sup>3</sup>  
 Top of Cement: SURFACE Method Determined: VISUAL

Intermediate Casing

Hole Size: 17.5" & 12.25 Casing Size: 13.375" & 9.625"  
 Cemented with: 2700 & 1900 sx. *or* \_\_\_\_\_ ft<sup>3</sup>  
 Top of Cement: SURFACE & 4936' Method Determined: VISUAL & CBL

Production Casing

Hole Size: 8.75" Casing Size: 7.625" @ 11,450'  
 Cemented with: 237 sx. *or* \_\_\_\_\_ ft<sup>3</sup>  
 Top of Cement: 11,450' Method Determined: CBL  
 Total Depth: 16,883'

Injection Interval 6.5" OPEN HOLE

16,883' feet to 17,863'

(Perforated or Open Hole; indicate which)

■■■■■■■■■■



**INJECTION WELL DATA SHEET**

Tubing Size: 5.5" Lining Material: IPC

Type of Packer: STAINLESS STEEL &/OR NICKEL

Packer Setting Depth: 16,783' - 16,883'

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: DELAWARE (4,277'), BONE SPRING (8,249'), WOLFCAMP (11,514')

UNDER: none

LONGWOOD WATER MANAGEMENT COMPANY, LLC  
RANDY ALLEN FED SWD 1  
133' FSL & 2588' FEL  
SEC. 12, T. 26 S., R. 31 E., EDDY COUNTY, NM

PAGE 1

I. Goal is to drill a 17,863' deep commercial saltwater disposal well on BLM. Disposal interval will be 16,883' - 17,863' in the SWD; Devonian (96101). See Exhibit A for C-102 and map.

II. Operator: Longwood Water Management Company, LLC [OGRID 328484]  
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 (BLM): NMNM-120904 Lease Size: 360 acres  
Lease Area: SWSW Sec. 10, SE Sec. 12, NE Sec. 13; T. 26 S., R 31 E.  
Well name and number: Randy Allen Fed SWD 1  
Location: 133' FSL & 2588' FEL Section 12, T. 26 S., R. 31 E.

A. (2) Surface casing (20", 94 & 106.5#, J-55, BTC) will be set at 1,331' in a 26" hole and cemented to GL with 1,850 sacks (based on 50% OH excess).

First intermediate casing (13.375", 72#, P-110 HC, BTC) will be set at 4,327' in a 17.5" hole and cemented to GL with 2,700 sacks (based on 50% OH excess).

Second intermediate casing (9.625", 40#, P-110 HC, BTC) will be set at 11,950' in a 12.25" hole and cemented to 4,127' with 1,900 sacks (based on 40% OH excess).

Production liner (7.625", 33.7#, P-110 HP, USS Liberty FJM) will be set from 11,450' to 16,883' in an 8.75" hole and cemented to 11,450' (CBL) with 237 sacks.

A 6.5" open hole will be drilled from 16,883' to 17,863'.

- A. (3) Tubing will be IPC lined, 5.5", 20#, P-110 IC, BTC. Setting depth will be  $\geq 16,783'$ . (Disposal interval will be 16,883' to 17,863'.)
- A. (4) A stainless steel and/or nickel packer will be set at  $\geq 16,783'$  (top of the open hole which will be at 16,883').
- 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 16,883' to 17,863'.
- 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) Only zones producing in the area of review and above the Devonian (16,873') are the Delaware (4,277'), Bone Spring (8,249'), and Wolfcamp (11,514'). No oil or gas zone is 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 and tabulates the 24 existing wells (23 oil or gas + 1 P&A) and 5 approved, but not yet spudded, wells within a 1-mile radius. Deepest well within a mile is 12,100' TVD. Exhibit C shows all 119 existing wells (90 oil or gas wells + 18 P & A wells + 4 disposal wells + 7 water wells) within a 2-mile radius. Closest SWD; Devonian well (30-025-43379) is 1.63 miles northeast. Closest Devonian oil or gas well is >3 miles away.

All leases within a one-mile radius are BLM or fee. Exhibit D shows and tabulates all the leases within a mile. Exhibit E shows all lessors within a two-mile radius. Two-mile radius leases are BLM, fee, or NMSLO.



VI. No Devonian penetrator is within a mile. Deepest existing or proposed well within a mile is 12,100'. That well bottomed in the Wolfcamp.

- VII. 1. Average injection rate will be  $\approx 40,000$  bwpd.  
Maximum injection rate will be 45,000 bwpd.
2. System will be open and closed. Water will both be trucked and piped.
3. Average injection pressure will be  $\approx 2,500$  psi  
Maximum injection pressure will be 3,376 psi ( $= 0.2$  psi/foot  $\times 16,883'$  (top of open hole)).
4. Disposal water will be produced water, mainly from Bone Spring, Delaware, and Wolfcamp wells. There are 158 approved Bone Spring wells, 141 approved Wolfcamp wells, and 84 approved Delaware wells in T. 26 S., R. 31 and 32 E. The well will take other Permian Basin waters. A summary of produced water analyses from T. 26 S., R. 31 E. is in Exhibit F. Devonian produced water analyses (in mg/L) from wells in T. 23 S., R. 37 E. are in the table below. Compatibility problems are not expected. At least 11,973,863 barrels of water have been disposed in a Devonian; SWD (30-025-43379) that is 1.63 miles northeast.

API	Section	UL	TDS	chloride	bicarbonate	sulfate
3002510717	14	K	118979	71280	462	2593
3002510945	34	A	112959	67390	288	2765
3002510947	34	H	35639			
3002510950	34	A	236252	147000	129	781

5. No Devonian production is within  $>3$  miles.

VIII. The Devonian (estimated 1,000' thick) is comprised of limestone and dolomite. Closest possible underground source of drinking water above the proposed disposal interval is the Quaternary at the surface. There has been some interest in developing the brackish Dewey Lake which is below the Quaternary.

According to State Engineer records (Exhibit G), no water well is within a mile. However, a windmill not in the records was found  $\approx 2800'$  southeast and

sampled on March 6, 2019. No underground source of drinking water is below the proposed disposal interval.

Formation tops are:

Quaternary = 0'  
Rustler anhydrite = 1306'  
Salado = 1832'  
Castile = 2250'  
Bell Canyon = 4277'  
Cherry Canyon = 5228'  
Brushy Canyon = 6492'  
Bone Spring = 9134'  
Wolfcamp = 11514'  
Strawn = 13901'  
Atoka = 14019'  
Morrow = 14963'  
Barnett = 16226'  
Mississippian limestone = 16418'  
Woodford = 16754'  
Devonian carbonate = 16873'  
*disposal interval = 16883' - 17863'*  
TD = 17863'  
(Montoya = 17873')

No water well is within a 1-mile radius according to State Engineer records (Exhibit G). A windmill not in the records was found ≈2800' southeast and sampled on March 6, 2019. Same records show 7 water wells within a 2-mile radius, deepest of which is 700'. There will be >2.9 miles of vertical separation and shale, salt, and anhydrite intervals between the bottom of the only likely underground water source (Dewey Lake) and the top of the Devonian.

- IX. The well will be stimulated with acid.
- X. GR log will be run from the third intermediate to TD.

LONGWOOD WATER MANAGEMENT COMPANY, LLC  
RANDY ALLEN FED SWD 1  
133' FSL & 2588' FEL  
SEC. 12, T. 26 S., R. 31 E., EDDY COUNTY, NM

PAGE 5

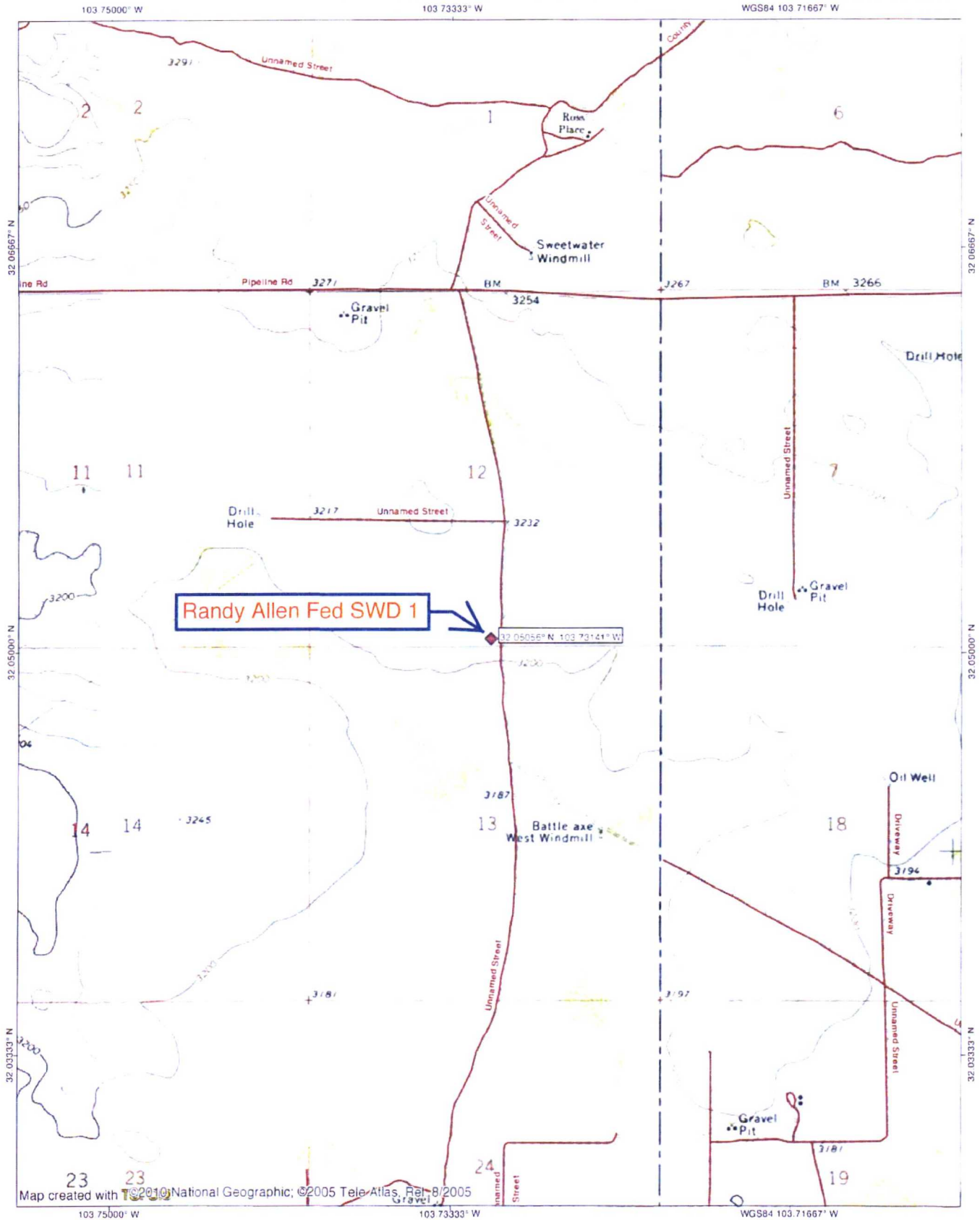
XI. One water well was found within a mile during a March 6, 2019 field inspection.

XII. Longwood Water Management Company, LLC (Exhibit H) 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 700'. There are 259 approved Devonian SWD wells and 11 approved Devonian water injection wells in New Mexico. Closest Quaternary fault is  $\approx$ 68 miles west-southwest (Exhibit H).

XIII. A legal ad (see Exhibit I) was published on February 27, 2019. Notice (this application) has been sent (Exhibit J) to the surface owner (BLM) and all operators, lessees, and unleased mineral interest owners within a mile who are required to receive notice.



TOPO! map printed on 04/07/19 from "Untitled.tpo"



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

EXHIBIT A

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-015-</b>		<sup>2</sup> Pool Code <b>96101</b>	<sup>3</sup> Pool Name <b>SWD; Devonian</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>RANDY ALLEN FED SWD</b>		<sup>6</sup> Well Number <b>1</b>
<sup>7</sup> GRID No.	<sup>8</sup> Operator Name <b>LONGWOOD WATER MANAGEMENT COMPANY, LLC</b>		<sup>9</sup> Elevation <b>3208'</b>

<sup>10</sup>Surface Location

UL or lot no. <b>O</b>	Section <b>12</b>	Township <b>26-S</b>	Range <b>31-E</b>	Lot Idn <b>-</b>	Feet from the <b>133'</b>	North/South line <b>SOUTH</b>	Feet from the <b>2588'</b>	East/West line <b>EAST</b>	County <b>EDDY</b>
---------------------------	----------------------	-------------------------	----------------------	---------------------	------------------------------	----------------------------------	-------------------------------	-------------------------------	-----------------------

<sup>11</sup>Bottom Hole Location If Different From Surface

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

<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=686636 Y=382597 LAT.: N 32.0504418 LONG.: W 103.7309466 NAD 1983 X=727823 Y=382654 LAT.: N 32.0505668 LONG.: W 103.7314198</p>	<p><b>17 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 the organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill the 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><i>Brian Wood</i> <b>4-7-19</b> Signature Date <b>Brian Wood</b> Printed Name <b>brian@permitswest.com</b> E-mail Address <b>505 466-8120</b></p>		
	<p><b>18 SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on the plat was plotted from field notes of actual survey made by me or under my supervision and that the same is true to the best of my belief.</p> <p><b>01/22/2019</b> Date of Survey Signature and Seal of Professional Surveyor <b>MICHAEL BROWN</b> <b>NEW MEXICO</b> <b>18329</b> <b>PROFESSIONAL SURVEYOR</b> Certificate Number</p>		







SORTED BY DISTANCE FROM RANDY ALLEN FED SWD 1

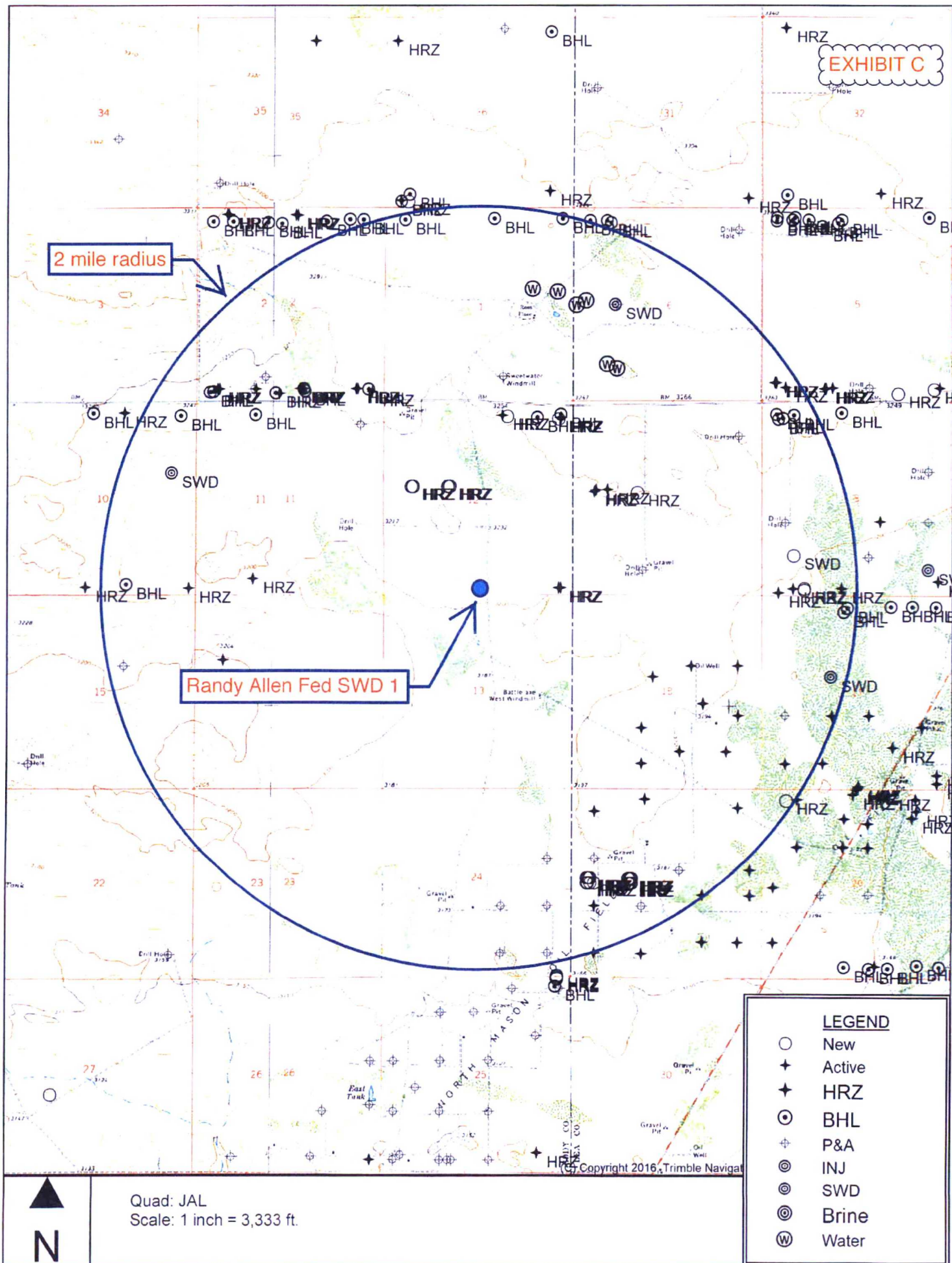
API	OPERATOR	WELL	TYPE	SHL UNIT-SECTION	TVD	ZONE @ TD	FEET FROM RANDY ALLEN FED SWD 1 (to SHL unless otherwise shown)
30-015-44858	ConocoPhillips	Revolver 24 13 Federal Com 4H	G	P-24	11530	Wolfcamp	1608 (BHL)
30-015-44857	ConocoPhillips	Revolver 24 13 Federal Com 3H	G	P-24	11530	Wolfcamp	1936 (BHL)
30-015-45071	Mewbourne	Sumideros 12 W1PA Federal Com #002H	G	P-12	11718	Wolfcamp	2208
30-015-45070	Mewbourne	Sumideros 12 W1PA Federal Com #001H	G	P-12	12009	Wolfcamp	2258
30-015-44856	ConocoPhillips	Revolver 24 13 Federal Com 2H	G	P-24	11530	Wolfcamp	2265 (BHL)
30-015-44855	ConocoPhillips	Revolver 24 13 Federal Com 1H	G	P-24	11530	Wolfcamp	2594 (BHL)
30-025-44215	ConocoPhillips	Zia Hills 19 Federal Com #101H	G	2-19	11842	Wolfcamp	2594 (BHL)
30-015-44758	Devon	Snapping 12 1 Federal #523H	O	F-12	9148	Bone Spring	3009
30-015-44722	Devon	Snapping 12 1 Federal #533H	O	F-12	9478	Bone Spring	3018
30-015-44738	Devon	Snapping 12 1 Federal #522H	O	F-12	9285	Bone Spring	3027
30-015-44740	Devon	Snapping 12 1 Federal #623H	G	F-12	Plan: 11541	Wolfcamp	3027
30-015-44739	Devon	Snapping 12 1 Federal #532H	O	E-12	Plan: 8973	Bone Spring	3456
30-015-44737	Devon	Snapping 12 1 Federal #521H	O	E-12	Plan: 8713	Bone Spring	3473
30-015-44721	Devon	Snapping 12 1 Federal #531H	O	E-12	Plan: 8983	Bone Spring	3490
30-025-44216	ConocoPhillips	Zia Hills 19 Federal Com #102H	G	2-19	11994	Wolfcamp	3832 (BHL)
30-025-44217	ConocoPhillips	Zia Hills 19 Federal Com #103H	G	2-19	11820	Wolfcamp	4088 (BHL)
30-025-43217	Mewbourne	Paduca 7 6 W1ED Federal Com #003H	G	2-07	12094	Wolfcamp	4196
30-025-43216	Mewbourne	Paduca 7 6 W1ED Federal Com #002H	G	2-07	12094	Wolfcamp	4255

SORTED BY DISTANCE FROM RANDY ALLEN FED SWD 1

30-025-44218	ConocoPhillips	Zia Hills 19 Federal Com #104H	G	2-19	12012	Wolfcamp	4356 (BHL)
30-025-42320	Mewbourne	Paduca 7 6 A2ED Federal Com #001H	O	2-07	8863	Bone Spring	4516
30-025-08252	Lovelady	Contiental Federal #001	P&A	N-07	4471	Delaware	4591
30-025-44236	ConocoPhillips	Zia Hills 19 Federal Com #109H	G	F-19	11619	Wolfcamp	4631 (BHL)
30-015-42712	Mewbourne	Big Sinks 1 A30B Fee #002H	O	B-12	9132	Bone Spring	4837
30-025-44237	ConocoPhillips	Zia Hills 19 Federal Com #110H	G	F-19	11619	Wolfcamp	4912 (BHL)
30-025-45600	Mewbourne	Paduca 7 6 W1FC Federal Com #003H	G	F-7	12100	Wolfcamp	5145
30-025-44238	ConocoPhillips	Zia Hills 19 Federal Com #111H	G	F-19	11619	Wolfcamp	5200 (BHL)
30-015-43725	Mewbourne	Big Sinks 1 B2 PA Federal Com #003H	O	A-12	Plan: 10317	Bone Spring	5222
30-015-43800	Mewbourne	Big Sinks 1 W1PA Federal Com #002H	G	A-12	12065	Wolfcamp	5254
30-015-42694	Mewbourne	Big Sinks 1 A2 PA Federal Com #001H	O	A-12	8838	Bone Spring	5254
30-025-31016	Sahara	Conoco D Federal #004	O	F-18	4373	Delaware	5422



EXHIBIT C



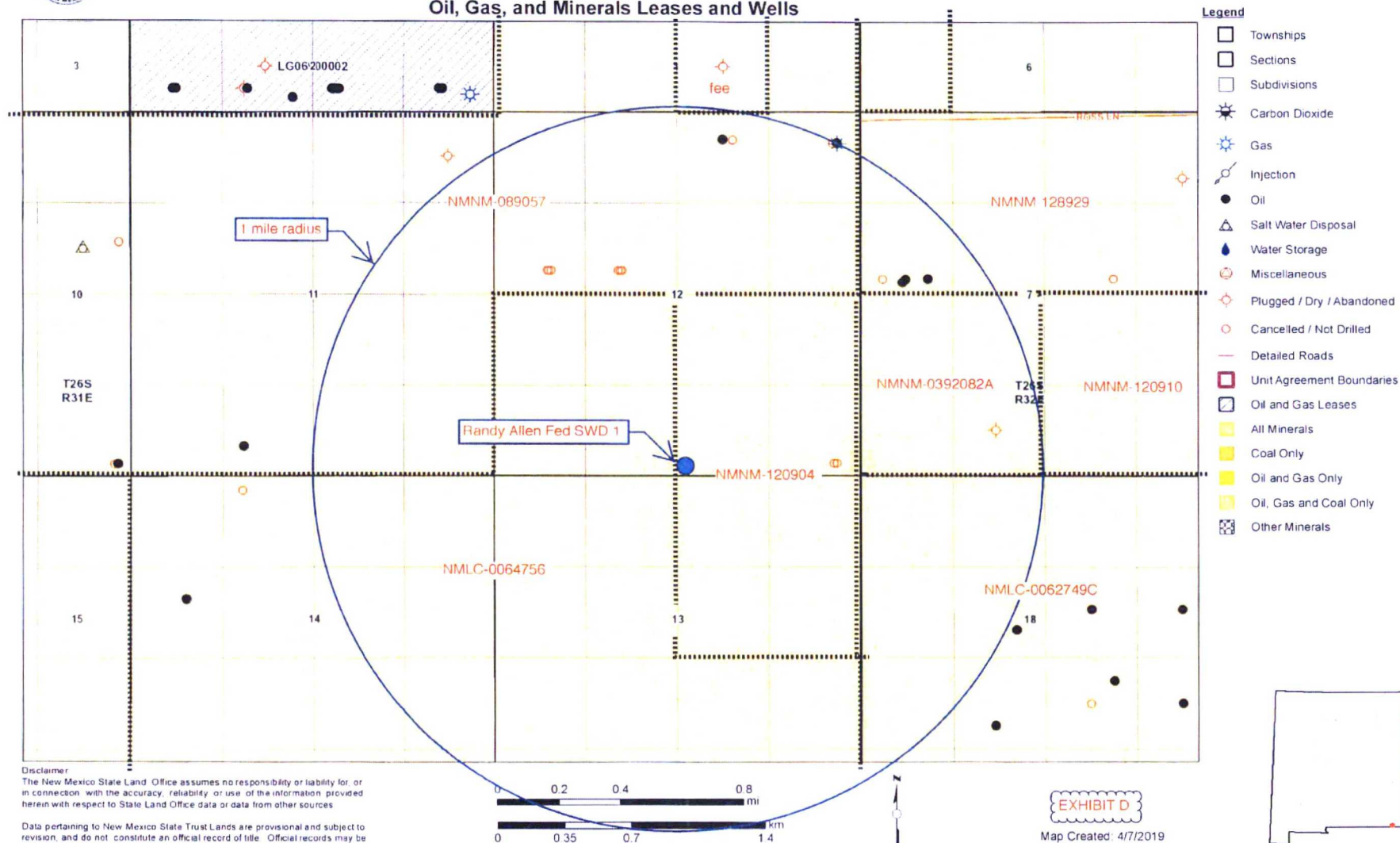




New Mexico State Land Office

EXHIBIT D

# Oil, Gas, and Minerals Leases and Wells



RANDY ALLEN FED SWD 1 AREA OF REVIEW LEASES

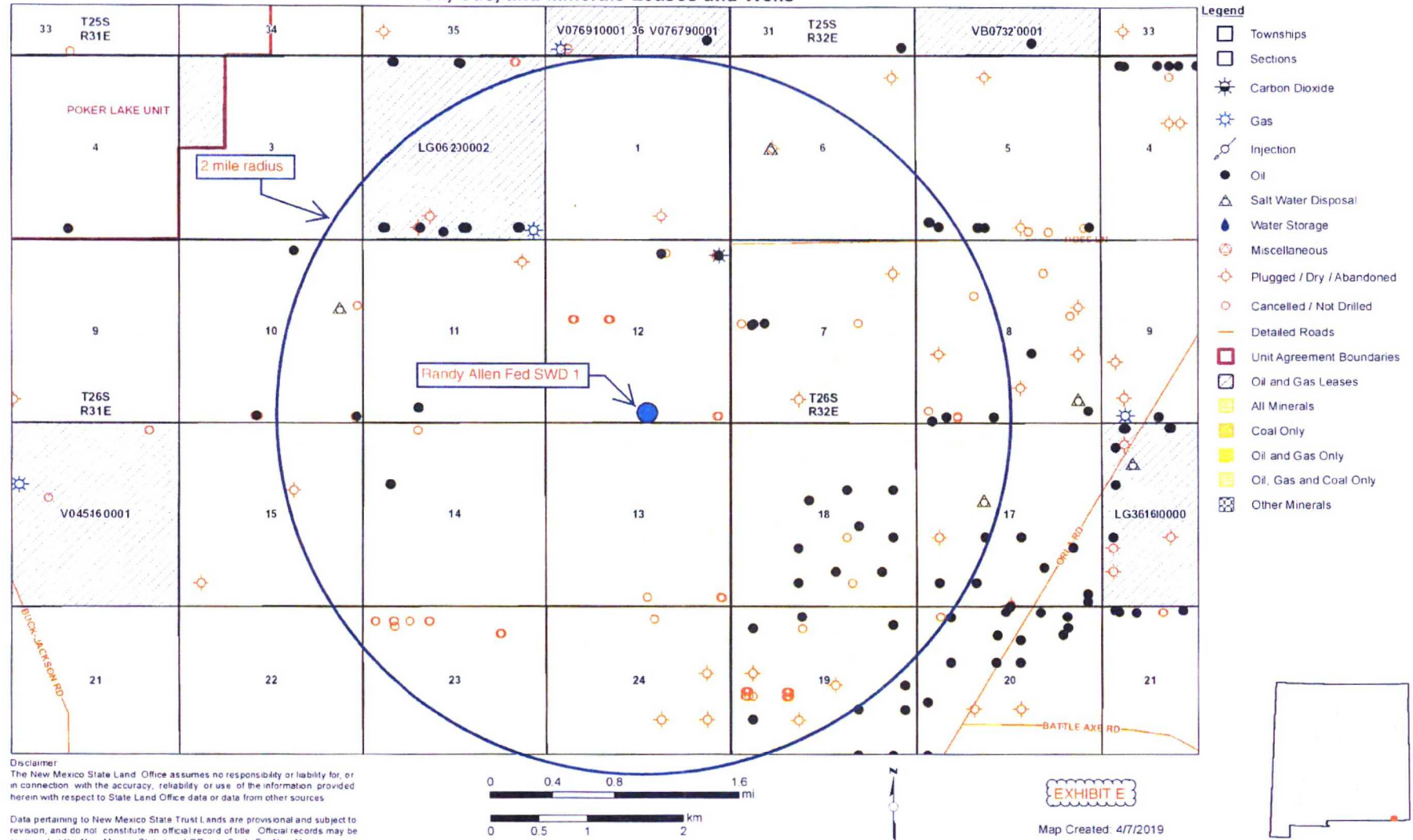
Aliquot Parts in Area of Review	Lessor	Lease	Lessee of Record	Operators (all shallower than Devonian)
SESW 1-26s-31e	BLM	NMNM-089057	Devon	Devon
SWSE 1-26s-31e	fee	Big Sinks 1	Mewbourne	Mewbourne
NENE, S2NE4, & SE4 11-26s-31e	BLM	NMNM-089057	Devon	Devon
N2 12-26s-31e	BLM	NMNM-089057	Devon	Devon, Mewbourne
SE4 12-26s-31e	BLM	NMNM-120904	Chevron	N/A
SW4 12-26s-31e	BLM	NMLC-0064756	Penroc	Mewbourne
NE4 13-26s-31e	BLM	NMNM-120904	Chevron	ConocoPhillips
NW4 & S2 13-26s-31e	BLM	NMLC-0064756	Penroc	ConocoPhillips
NE4, N2SE4, & SESE 14-26s-31e	BLM	NMLC-0064756	Penroc	ConocoPhillips
NWNW & S2NW4 7-26s-32e	BLM	NMNM-128929	Occidental Permian	Mewbourne
SWSE 7-26s-32e	BLM	NMNM-120910	COG	N/A
SW4 7-26s-32e	BLM	NMNM-0392082A	Magnum Hunter	ConocoPhillips
NWNE, NW4, N2SW4, & SWSW 18-26s-32e	BLM	NMLC-0062749C	ConocoPhillips	ConocoPhillips, Sahara



New Mexico State Land Office

### Oil, Gas, and Minerals Leases and Wells

EXHIBIT E





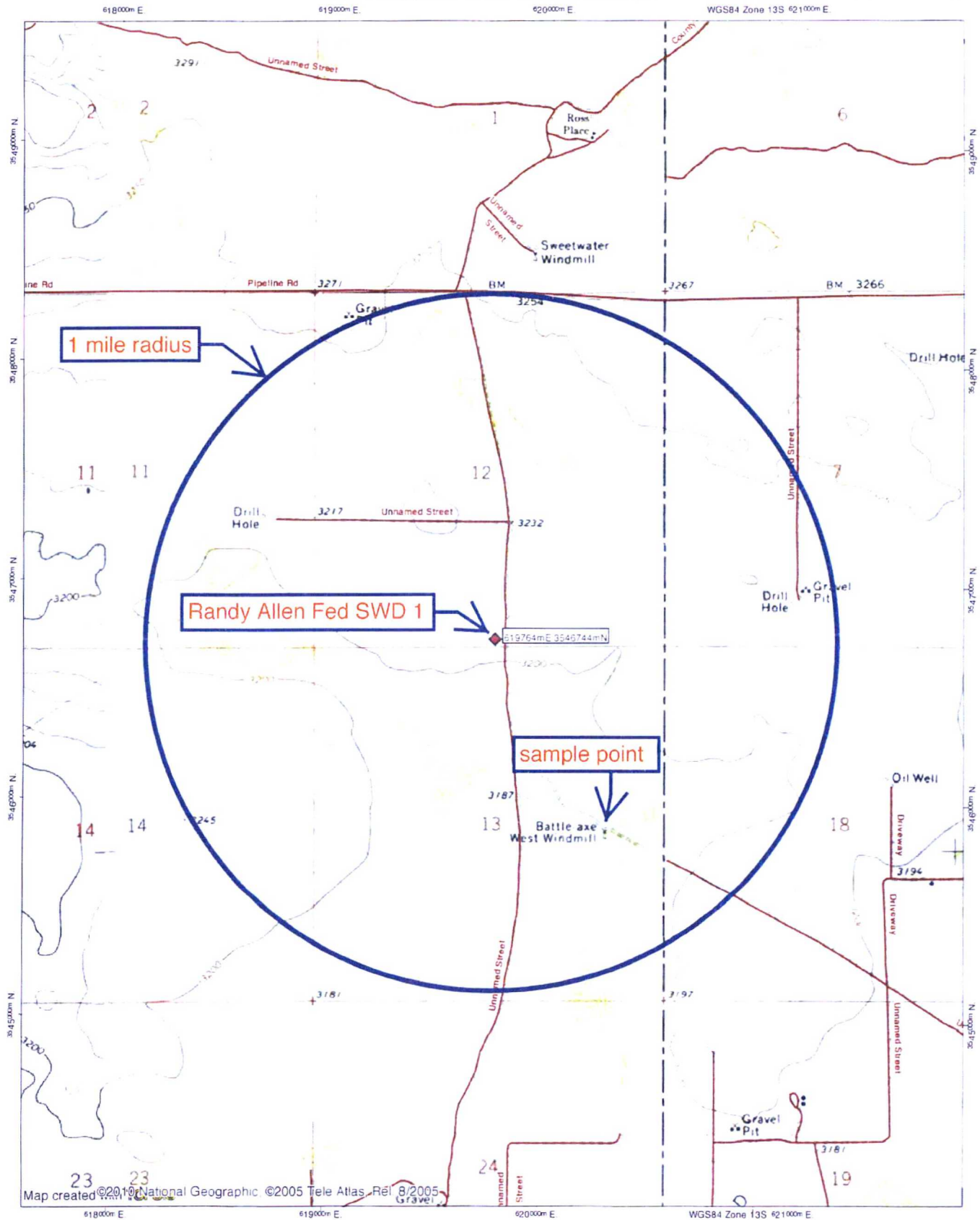
PRODUCED WATER SAMPLES FROM T. 26 S., R. 31 E. (in mg/l)

API	Section	UL	Formation	TDS	Sodium	Calcium	Iron	Magnesium	Chloride	Sulfate
3001539036	2	M	AVALON UPPER	223019	76002	10438	210	1922	131072	632
3001539104	2	N	AVALON UPPER	162560	57137	3886	42	776	97161	756
3001539162	2	O	AVALON UPPER	179789	71576	617	22	110	101374	0
3001539162	2	O	AVALON UPPER	179938	71576	617	22	110	101374	844
3001537899	10	B	AVALON UPPER	199639	68948	7560	111	1523	118195	0
3001537899	10	B	AVALON UPPER	209352	70090	7327	203	1557	127230	600
3001538193	11	N	AVALON UPPER	225190	77011	8744	636	1649	134075	0
3001538193	11	N	AVALON UPPER	196577	68797	5059	12	1066	118943	872
3001538193	11	N	AVALON UPPER	203079	72261	4407	112	904	122172	658
3001539866	10	N	BONE SPRING 2ND SAND	152439	48496	6731	29	801	94055	0
3001540994	10	P	BONE SPRING 2ND SAND	138162	44459	6281	30	781	84470	0
3001540994	10	P	BONE SPRING 2ND SAND	138376	44459	6281	30	781	84470	618
3001542113	2	N	BONE SPRING 3RD SAND	94966	31353	3679	32	484	57490	0
3001542113	2	N	BONE SPRING 3RD SAND	94518	30032	3403	20	439	58782	355
3001542113	2	N	BONE SPRING 3RD SAND	94864	30225	3424	15	444	59015	365

PRODUCED WATER SAMPLES FROM T. 26 S., R. 31 E. (in mg/l)

API	Section	UL	Formation	TDS	Sodium	Calcium	Iron	Magnesium	Chloride	Sulfate
3001542113	2	N	BONE SPRING 3RD SAND	91289	28721	3441	16	437	56957	328
3001505886	26	O	DELAWARE	212112					132100	425
3001542688	2	P	WOLFCAMP	81366	26319	2687	26	327	50281	400

TOPO! map printed on 04/07/19 from "Untitled.tpo"







# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

**EXHIBIT G**

(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)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C 02090</a>		C	ED	4	4	01	26S	31E		620329	3548533*	1876	350	335	15
<a href="#">C 04209 POD2</a>		C	LE	2	3	3	06	26S	32E	620818	3548657	2184	340	155	185
<a href="#">C 04209 POD1</a>		CUB	LE	2	3	3	06	26S	32E	620903	3548619	2194	360	155	205
<a href="#">C 03554 POD1</a>		CUB	ED	2	1	4	01	26S	31E	620547	3549148	2529	630	300	330
<a href="#">C 03639 POD1</a>		CUB	ED	3	4	2	01	26S	31E	620168	3549279	2567	700	365	335
<a href="#">C 04256 POD1</a>		C	ED	4	4	2	01	26S	31E	620384	3549257	2588	666	340	326
<a href="#">C 03829 POD1</a>		CUB	LE	3	3	1	06	26S	32E	620628	3549186	2590	646	350	296

Average Depth to Water: **285 feet**

Minimum Depth: **155 feet**

Maximum Depth: **365 feet**

**Record Count:** 7

**UTM NAD83 Radius Search (in meters):**

**Easting (X):** 619764

**Northing (Y):** 3546744

**Radius:** 3220

\*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.

4/7/19 1:08 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1903306

Date Reported: 3/21/2019

EXHIBIT G

CLIENT: Permits West

Project: Matador Allen and Hammock

Lab ID: 1903306-001

Matrix: AQUEOUS

Client Sample ID: Sec 13 Tank

Collection Date: 3/6/2019 11:13:00 AM

Received Date: 3/7/2019 9:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 1664B</b>							Analyst: plr
N-Hexane Extractable Material	ND	11.2		mg/L	1	3/11/2019 9:16:00 AM	43604
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: MRA
Chloride	16	0.50		mg/L	1	3/7/2019 4:04:04 PM	R58208
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: KS
Total Dissolved Solids	383	20.0		mg/L	1	3/13/2019 6:02:00 PM	43630

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
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.



WO#: 1903306

21-Mar-19

Client: Permits West  
Project: Matador Allen and Hammock

Sample ID: MB-43604	SampType: MBLK	TestCode: EPA Method 1664B
Client ID: PBW	Batch ID: 43604	RunNo: 58295
Prep Date: 3/11/2019	Analysis Date: 3/11/2019	SeqNo: 1955297 Units: mg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
N-Hexane Extractable Material	ND	10.0

Sample ID: LCS-43604	SampType: LCS	TestCode: EPA Method 1664B
Client ID: LCSW	Batch ID: 43604	RunNo: 58295
Prep Date: 3/11/2019	Analysis Date: 3/11/2019	SeqNo: 1955298 Units: mg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
N-Hexane Extractable Material	32.2	10.0 40.00 0 80.5 78 114

## 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                                    |
| PQL Practical Quantitative Limit                        | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |



# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

EXHIBIT G

WO#: 1903306

21-Mar-19

Client: Permits West  
Project: Matador Allen and Hammock

Sample ID: MB	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBW	Batch ID: R58208	RunNo: 58208
Prep Date:	Analysis Date: 3/7/2019	SeqNo: 1952228 Units: mg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	0.50

Sample ID: LCS	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSW	Batch ID: R58208	RunNo: 58208
Prep Date:	Analysis Date: 3/7/2019	SeqNo: 1952229 Units: mg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	4.7	0.50 5.000 0 94.8 90 110

## 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                                    |
| PQL Practical Quantitative Limit                        | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.



WO#: 1903306

21-Mar-19

Client: Permits West  
Project: Matador Allen and Hammock

Sample ID: MB-43630	SampType: MBLK	TestCode: SM2540C MOD: Total Dissolved Solids								
Client ID: PBW	Batch ID: 43630	RunNo: 58346								
Prep Date: 3/12/2019	Analysis Date: 3/13/2019	SeqNo: 1957077 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID: LCS-43630	SampType: LCS	TestCode: SM2540C MOD: Total Dissolved Solids								
Client ID: LCSW	Batch ID: 43630	RunNo: 58346								
Prep Date: 3/12/2019	Analysis Date: 3/13/2019	SeqNo: 1957078 Units: mg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

## 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                                    |
| PQL Practical Quantitative Limit                        | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# Longwood Water Management Company, LLC

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240  
Voice 972.371.5200 • Fax 972.371.5201  
jharrington@matadorresources.com

---

**Jake Harrington**  
Geologist

April 9, 2019


NM Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

**Re: Geology Statement**  
**Randy Allen Fed SWD #1**  
**Section 12, T. 26S, R. 31E**  
**Eddy County, New Mexico**

To whom it may concern:

Available geologic and engineering data related to the proposed Well have been thoroughly reviewed, and no evidence for a hydrological connection between the proposed deep Devonian injection zone, located at approximately 16,883 ft., and any underground sources of drinking water has been found.

Sincerely,  
Longwood Water Management Company, LLC



Jake Harrington







CARLSBAD  
**CURRENT-ARGUS**

EXHIBIT I

**AFFIDAVIT OF PUBLICATION**

Ad No.  
0001278510

PERMITS WEST, INC.  
37 VERANO LOOP

SANTA FE NM 87508

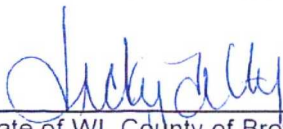
I, a legal clerk of the **Carlsbad Current-Argus**,  
a newspaper published daily at the City of  
Carlsbad, in said county of Eddy, state of New  
Mexico and of general paid circulation in said  
county; that the same is a duly qualified  
newspaper under the laws of the State wherein  
legal notices 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:

02/27/19

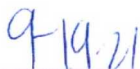


Legal Clerk

Subscribed and sworn before me this  
27th of February 2019.



State of WI, County of Brown  
NOTARY PUBLIC

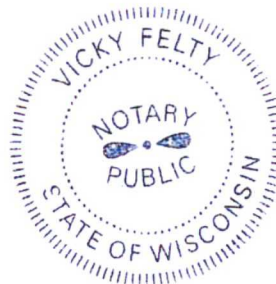


My Commission Expires

Longwood Water Management Company, LLC  
is applying to drill the Randy Allen Fed SWD 1  
as a saltwater disposal well. The well is staked  
at 133' FSL & 2588' FEL Sec. 12, T. 26 S., R. 31  
E., Eddy County. This is 23 miles southeast of  
Malaga, NM and 18 miles northeast of Orla, TX.  
Disposal will be in the Devonian from 16,883' to  
17,863'. Maximum injection pressure will be  
3,376 psi. Maximum disposal rate will be  
45,000 bwpd. Interested parties must file ob-  
jections or requests for hearing with the NM Oil  
Conservation Division, 1220 South Saint Francis  
Dr., Santa Fe, NM 87505 within 15 days. Addi-  
tional information can be obtained by contact-  
ing: Brian Wood, Permits West, Inc., 37 Verano  
Loop, Santa Fe, NM 87508. Phone number is  
(505) 466-8120.

Pub: February 27, 2019 #1278510

Ad#: 0001278510  
P O : 0001278510  
# of Affidavits : 0.00



April 16, 2019

BLM  
620 E. Greene  
Carlsbad NM 88220

## TYPICAL LETTER

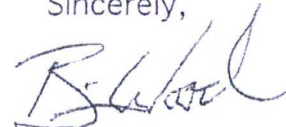
Longwood Water Management Company, LLC is applying (see attached application) to drill the Randy Allen Fed SWD 1 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice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

Well Name: Randy Allen Fed SWD 1 (BLM surface & lease) TD = 17,863'  
Proposed Disposal Zone: Devonian (from 16,883' to 17,863')  
Location: 133' FSL & 2588' FEL Sec. 12, T. 26 S., R. 31 E., Eddy County, NM  
Approximate Location: 23 miles southeast of Malaga, NM  
Applicant: Longwood 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



954E 2088 0000 0520 9702

7016 0750 0000 8802 3463

2017 11 11 11:11

7  
 8  
 9  
 10  
 11  
 12  
 13  
 14  
 15  
 16  
 17  
 18  
 19  
 20  
 21  
 22  
 23  
 24  
 25  
 26  
 27  
 28  
 29  
 30  
 31  
 32  
 33  
 34  
 35  
 36  
 37  
 38  
 39  
 40  
 41  
 42  
 43  
 44  
 45  
 46  
 47  
 48  
 49  
 50  
 51  
 52  
 53  
 54  
 55  
 56  
 57  
 58  
 59  
 60  
 61  
 62  
 63  
 64  
 65  
 66  
 67  
 68  
 69  
 70  
 71  
 72  
 73  
 74  
 75  
 76  
 77  
 78  
 79  
 80  
 81  
 82  
 83  
 84  
 85  
 86  
 87  
 88  
 89  
 90  
 91  
 92  
 93  
 94  
 95  
 96  
 97  
 98  
 99  
 100  
 101  
 102  
 103  
 104  
 105  
 106  
 107  
 108  
 109  
 110  
 111  
 112  
 113  
 114  
 115  
 116  
 117  
 118  
 119  
 120  
 121  
 122  
 123  
 124  
 125  
 126  
 127  
 128  
 129  
 130  
 131  
 132  
 133  
 134  
 135  
 136  
 137  
 138  
 139  
 140  
 141  
 142  
 143  
 144  
 145  
 146  
 147  
 148  
 149  
 150  
 151  
 152  
 153  
 154  
 155  
 156  
 157  
 158  
 159  
 160  
 161  
 162  
 163  
 164  
 165  
 166  
 167  
 168  
 169  
 170  
 171  
 172  
 173  
 174  
 175  
 176  
 177  
 178  
 179  
 180  
 181  
 182  
 183  
 184  
 185  
 186  
 187  
 188  
 189  
 190  
 191  
 192  
 193  
 194  
 195  
 196  
 197  
 198  
 199  
 200  
 201  
 202  
 203  
 204  
 205  
 206  
 207  
 208  
 209  
 210  
 211  
 212  
 213  
 214  
 215  
 216  
 217  
 218  
 219  
 220  
 221  
 222  
 223  
 224  
 225  
 226  
 227  
 228  
 229  
 230  
 231  
 232  
 233  
 234  
 235  
 236  
 237  
 238  
 239  
 240  
 241  
 242  
 243  
 244  
 245  
 246  
 247  
 248  
 249  
 250  
 251  
 252  
 253  
 254  
 255  
 256  
 257  
 258  
 259  
 260  
 261  
 262  
 263  
 264  
 265  
 266  
 267  
 268  
 269  
 270  
 271  
 272  
 273  
 274  
 275  
 276  
 277  
 278  
 279  
 280  
 281  
 282  
 283  
 284  
 285  
 286  
 287  
 288  
 289  
 290  
 291  
 292  
 293  
 294  
 295  
 296  
 297  
 298  
 299  
 300  
 301  
 302  
 303  
 304  
 305  
 306  
 307  
 308  
 309  
 310  
 311  
 312  
 313  
 314  
 315  
 316  
 317  
 318  
 319  
 320  
 321  
 322  
 323  
 324  
 325  
 326  
 327  
 328  
 329  
 330  
 331  
 332  
 333  
 334  
 335  
 336  
 337  
 338  
 339  
 340  
 341  
 342  
 343  
 344  
 345  
 346  
 347  
 348  
 349  
 350  
 351  
 352  
 353  
 354  
 355  
 356  
 357  
 358  
 359  
 360  
 361  
 362  
 363  
 364  
 365  
 366  
 367  
 368  
 369  
 370  
 371  
 372  
 373  
 374  
 375  
 376  
 377  
 378  
 379  
 380  
 381  
 382  
 383  
 384  
 385  
 386  
 387  
 388  
 389  
 390  
 391  
 392  
 393  
 394  
 395  
 396  
 397  
 398  
 399  
 400  
 401  
 402  
 403  
 404  
 405  
 406  
 407  
 408  
 409  
 410  
 411  
 412  
 413  
 414  
 415  
 416  
 417  
 418  
 419  
 420  
 421  
 422  
 423  
 424  
 425  
 426  
 427  
 428  
 429  
 430  
 431  
 432  
 433  
 434  
 435  
 436  
 437  
 438  
 439  
 440  
 441  
 442  
 443  
 444  
 445  
 446  
 447  
 448  
 449  
 450  
 451  
 452  
 453  
 454  
 455  
 456  
 457  
 458  
 459  
 460  
 461  
 462  
 463  
 464  
 465  
 466  
 467  
 468  
 469  
 470  
 471  
 472  
 473  
 474  
 475  
 476  
 477  
 478  
 479  
 480  
 481  
 482  
 483  
 484  
 485  
 486  
 487  
 488  
 489  
 490  
 491  
 492  
 493  
 494  
 495  
 496  
 497  
 498  
 499  
 500  
 501  
 502  
 503  
 504  
 505  
 506  
 507  
 508  
 509  
 510  
 511  
 512  
 513  
 514  
 515  
 516  
 517  
 518  
 519  
 520  
 521  
 522  
 523  
 524  
 525  
 526  
 527  
 528  
 529  
 530

7016 0750 0000 8802 3484

2016 0750 0000 0520 9T02

07.6 0750 0520 7.10 2088 8802 3524

[illegible]

7016 0750 0000 8802 3548

2016 0320 0000 0000

1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100



7016 0750 0000 8802 3579

**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  
\$

EOG-Resources, Inc.  
PO Box 4362  
Houston, TX 77210

Sent To  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

7016 0750 0000 8802 3586

**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  
\$

EOG-Resources, Inc.  
PO Box 2287  
Midland, TX 79702

Sent To  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

7016 0750 0000 8802 3593

**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  
\$

EOG-Resources, Inc.  
5509 Champions Dr  
Midland, TX 79706

Sent To  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

7016 0750 0000 8802 3609

**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  
\$

EOG-Resources, Inc.  
1111 Bagby, Sky Lobby 2  
Houston, TX 77002

Sent To  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

7016 0750 0000 8802 3616

**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  
\$

HPC Energy, Inc.  
810 N Dixie Blvd 202  
Odessa, TX 79761

Sent To  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

7016 0750 0000 8802 3633

**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  
\$

JKTS Corp.  
North Marlenfeld 100  
Midland, TX 79701

Sent To  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

7016 0750 0000 8802 3640

**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  
\$

Magnus Hunter Production  
202 S Cheyenne Ave  
STE 1000  
Tulsa, OK 74103

Sent To  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

7016 0750 0000 8802 3647

**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  
\$

Mewbourne Oil Co.  
PO Box 7696  
Tyler, TX 75711

Sent To  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

EXHIBIT J



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  
Mawbourne Oil Co.  
PO Box 5270  
Hobbs, NM 88241  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

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  
Panor Oil Corp.  
PO Box 5970  
Hobbs, NM 88241  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

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  
Sahara Operating Company  
PO Box 4130  
Midland, TX 79704  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

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  
Occidental Permian LP  
6 E Greenway Plaza #110  
Houston, TX 77046  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

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  
Raymon Newton Sharp  
Box 66  
Joplin, MO 64802  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

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  
SRBI-OG-NM-LLC  
201 Main Street #2700  
Fort Worth, TX 76102  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

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  
Bansam Trust  
PO Box 66  
Joplin, MO 64802  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

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  
Robinson Oil Inc.  
PO Box 1829  
Eunice, NM 88231  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

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  
Steve Guyton  
PO Box 3195  
Midland, TX 79702  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

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  
Peak 9 Production Co  
PO Box 10280  
Midland, TX 79702  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

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  
Sage Petroleum  
200 N Lorraine St # 300  
Midland, TX 79701  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

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  
Swanco Resources  
PO Box 51470  
Midland, TX 79710  
Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.  
City, State, ZIP+4®

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

EXHIBIT J



7016 0750 0000 8602 3777

**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 Restricted Delivery \$

Postage  
\$

Total Postage and Fees  
\$

Sent to  
 Thru Line OG-NM LLC  
 201 Main Street #2700  
 Fort Worth, TX 76102  
 Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

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

7016 0750 0000 8602 3791

**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 Restricted Delivery \$

Postage  
\$

Total Postage and Fees  
\$

Sent to  
 XTO Energy Inc  
 22777 Springwoods Village Pkwy  
 Spring TX 77389  
 Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

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

7016 0750 0000 8602 3784

**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 Restricted Delivery \$

Postage  
\$

Total Postage and Fees  
\$

Sent to  
 Wibanks Family LTD  
 505 N Big Spring Road  
 Midland TX 79701  
 Matador Randy Allen SWD 1

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

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

EXHIBIT J