Initial Application Part I

Received: **08/27/2019**

This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete

Revised March 23, 2017

RECEIVED: 08/27/2019	REVIEWER:	TYPE: SWD	APP NO: pMAM1924046473

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: BTA OIL PRODUCERS, LLC **OGRID Number:** 206297
Well Name: MESA 8105 SWD #2 **API:**
Pool: SWD/DEVONIAN-SILURIAN **Pool Code:** 97869

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

SWD-2260

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

FOR OCD ONLY
☐ Notice Complete
☐ Application Content Complete

2) **NOTIFICATION REQUIRED TO:** Check those which apply.
A. ☒ Offset operators or lease holders
B. ☐ Royalty, overriding royalty owners, revenue owners
C. ☒ Application requires published notice
D. ☒ Notification and/or concurrent approval by SLO
E. ☒ Notification and/or concurrent approval by BLM
F. ☐ Surface owner
G. ☒ For all of the above, proof of notification or publication is attached, and/or,
H. ☐ No notice required

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.

Sammy Hajar
Print or Type Name

Signature

8/27/2019
Date

432-682-3753
Phone Number

SHAJAR@BTAOIL.COM
e-mail Address

BTA OIL PRODUCERS, LLC
104 SOUTH PECOS STREET
MIDLAND, TEXAS 79701-5021
432-682-2753
FAX 432-683-0311

CARLTON BEAL, JR.
BARRY BEAL
SPENCER BEAL
KELLY BEAL
BARRY BEAL, JR.
STUART BEAL
ROBERT DAVENPORT, JR.

GULF COAST DISTRICT
TOTAL PLAZA
1201 LOUISIANA STREET, STE. 570
HOUSTON, TEXAS 77002
713-658-0077 FAX 713-655-0346

ROCKY MOUNTAIN DISTRICT
600 17TH STREET, STE. 2230 SOUTH
DENVER, COLORADO 80202
303-534-4404 FAX 303-534-4661

August 27, 2019

In re: Offset Operator Notification
Application for Authorization to Inject
MESA 8105 SWD #2
1150' FNL 200' FEL
Section 11, T26S, R32E
Lea County, New Mexico

INTERESTED PARTIES:

As Required by NMOCD rules, as an offset operator you are receiving notice of Application for Authorization to Inject for the referenced well. BTA Oil Producers, LLC ("BTA"), operator of the proposed SWD has filed an application with the Bureau of Land Management and the New Mexico Oil Conservation Division for authorization to drill and inject. BTA proposes to dispose into the Silurian and Fusselman formations that are estimated to occur between 17,490' to 20,000'. The Mesa 8105 SWD #2 will be drilled at a location of 1150' FNL, & 200' FEL, Section 11, T26S, R32E, Lea County, New Mexico.

Attached you will find a copy of the submitted OCD from C-108 with corresponding data.

Any Objections to this application must be sent to the New Mexico Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, NM 87504 within 15 days of receipt of this notification. If additional information is required, please contact Sammy Hajar at 432-682-3753.

Respectfully,

BTA Oil Producers, LLC

Sammy Hajar
Regulatory Analyst

SH
C:\Users\mlagan\Documents\Land\Letters\Cover Letter -Mesa 8105 SWD #2 docx

CARLTON BEAL, JR.
BARRY BEAL
SPENCER BEAL
KELLY BEAL
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BTA OIL PRODUCERS, LLC
104 SOUTH PECOS STREET
MIDLAND, TEXAS 79701-5021
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GULF COAST DISTRICT
TOTAL PLAZA
1201 LOUISIANA STREET, STE. 570
HOUSTON, TEXAS 77002
713-658-0077 FAX 713-655-0346

ROCKY MOUNTAIN DISTRICT
600 17TH STREET, STE. 2230 SOUTH
DENVER, COLORADO 80202
303-534-4404 FAX 303-534-4661

August 27, 2019

In re: Application for Authorization to Inject
MESA 8105 SWD #2
150' FNL 200' FEL
Section 11, T26S, R32E
Lea County, New Mexico

New Mexico Oil Conservation Division
1220 South Francis Drive
Santa Fe, New Mexico 87504

Gentlemen:

BTA Oil Producers, LLC ("BTA") hereby seeks administration approval for Authorization to Inject into the Mesa 8105 SWD #2 (API# pending), which is located 1150' FNL & 200' FEL, Section 11, T26S, R32E, Lea County, New Mexico.

The proposed open hole injection interval will be in the Silurian – Fusselman formations, from 17490' to 20,000', with a maximum anticipated injection rate to 60,000 BWPD and a maximum injection pressure of 3,490 psig.

Attached is an OCD form C-108 along with supporting documentation for the referenced well. A copy of the application has been sent to applicable surface land owner and offset operators. Legal Notice was published in the Hobbs Daily News-Sun, the Affidavit of Publication is enclosed.

Your consideration and approval of this application will be greatly appreciated. If additional information is required, please contact me at 432-682-3753, or by email at SHAJAR@BTAOIL.com

Respectfully,

BTA Oil Producers, LLC

Sammy Hajar
Regulatory Analyst

SH
Enclosures
C:\Users\mlagan\Documents\Land\Letters\Sammy\Cover Letter Second Pg-Mesa 8105 SWD #2 docx

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance __X__Disposal _____Storage
Application qualifies for administrative approval? _____Yes _____No

II. OPERATOR: BTA OIL PRODUCERS, LLC

ADDRESS: 104 S. Pecos Midland, TX. 79701

CONTACT PARTY: SAMMY HAJAR PHONE: 432-682-3753

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. **ATTACHED**

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. **ATTACHED. NO WELLS PENETRATE PROPOSED INJECTION ZONE**

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected; **MAX: 60,000 BPWD ; AVG: 40,000 BWPD**
2. Whether the system is open or closed; **CLOSED**
3. Proposed average and maximum injection pressure; **ANTICPATED AVG PRESSURE: 1,200 PSIG ; ANTICIPATED MAX PRESSURE: 3,490 PSIG**
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, **ATTACHED**
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.). **ATTACHED**

*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. **ATTACHED**

IX. Describe the proposed stimulation program, if any. **WILL BE COMPLETED USING HCl ACID. VOLUME TO BE DETERMINED.**

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted). **NEW DRILL, NO LOGS AVAILABLE**

*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. **ATTACHED**

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. **ATTACHED**

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: SAMMY HAJAR TITLE: REGULATORY ANALYST

SIGNATURE: Sammy Hajar DATE: 8/27/19

E-MAIL ADDRESS: SHAJAR@BTAOIL.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: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

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.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: BTA OIL PRODUCERS, LLC

WELL NAME & NUMBER: Mesa 8105 SWD #2

WELL LOCATION:	1150' FNL 200' FEL	A	11	26-S	32-E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8"

Cemented with: 440 sx. ***or*** _____ ft^3

Top of Cement: Surface Method Determined: _____

Intermediate Casing: STAGE 1

Hole Size: 12-1/4" Casing Size: 9-5/8"

Cemented with: 1200 sx. ***or*** _____ ft^3

Top of Cement: 4650" Method Determined: _____

9-5/8" DV TOOL AT 4650'

Intermediate Casing: STAGE 2

Hole Size: 12-1/4" Casing Size: 9-5/8"

Cemented with: 900 sx. ***Or*** _____ ft^3

Top of Cement: Surface Method Determined: _____

Production Casing

Hole Size: 8-1/2" Casing Size: 7-5/8"

Cemented with: 330 sx. *or* ft^3

Top of Cement: 12,210' Method Determined:

Total Depth:

Injection Interval

17,490' feet to 20,000 Open Hole

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 7" x 4-1/2" Lining Material: Plastic Coat

Type of Packer: Anchor Latch or Equivalent

Packer Setting Depth: 17475'

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

Additional Data

1. Is this a new well drilled for injection? **X** Yes _____ No

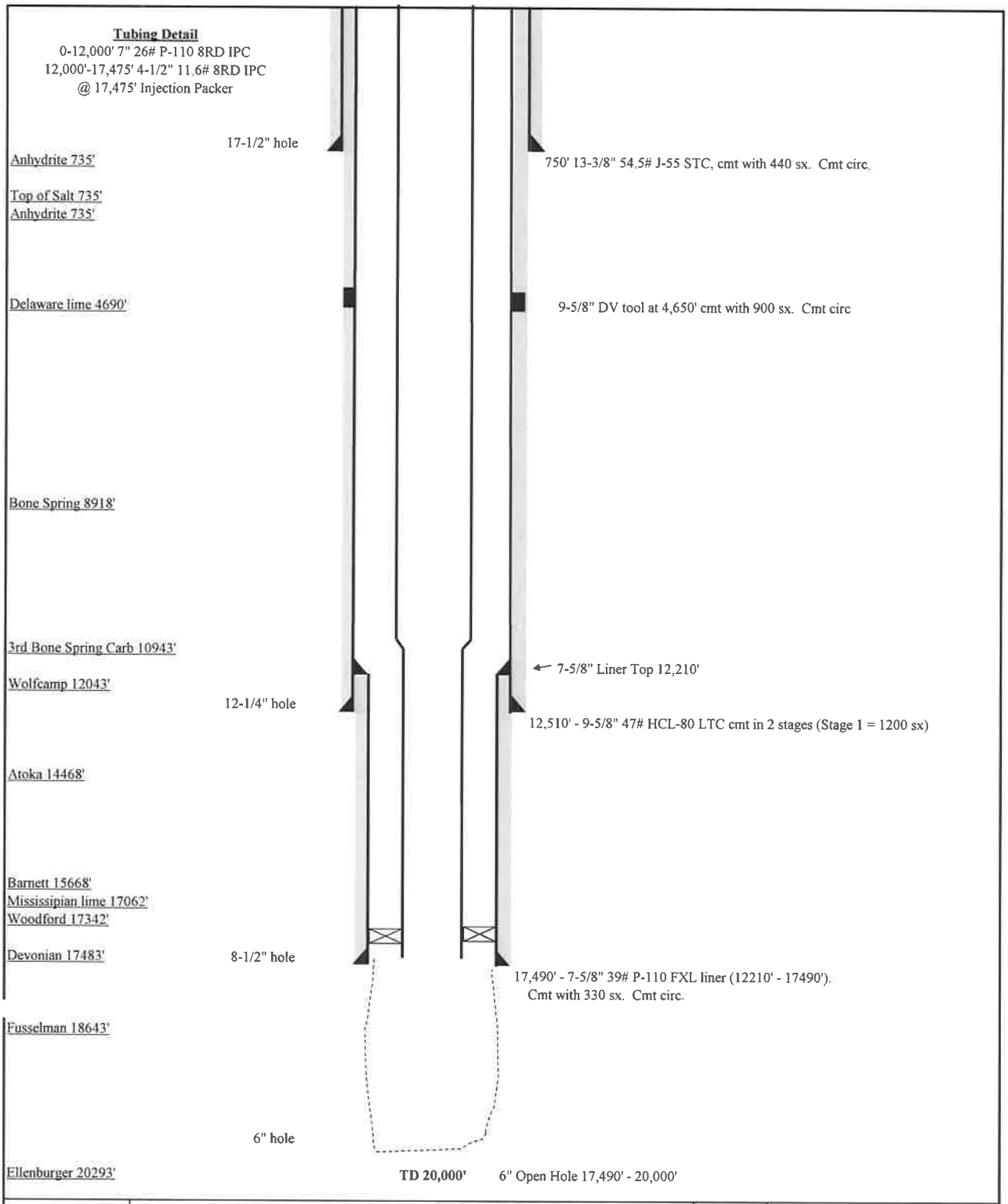
   If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: Silurian/Fusselman

3. Name of Field or Pool (if applicable): SWD ; Silurian

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 Other Perforations.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Delaware 4690, Bone Spring 8918', Third Bone Spring 10943', Wolfcamp 12043', Atoka/Morrow 14468'



LEASE: **Mesa 8105 SWD #2**

LOCATION: **1150' FNL & 200' FEL 11, T26S, R 32E**

COUNTY: **Lea** STATE: **NM**

BTA Oil Producers

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, New Mexico 87505

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

☐AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		SWD ; SILURIAN

Property Code	Property Name	Well Number
	MESA 8105 SWD	2

OGRID No.	Operator Name	Elevation
260297	BTA OIL PRODUCERS, LLC	3265'

Surface Location

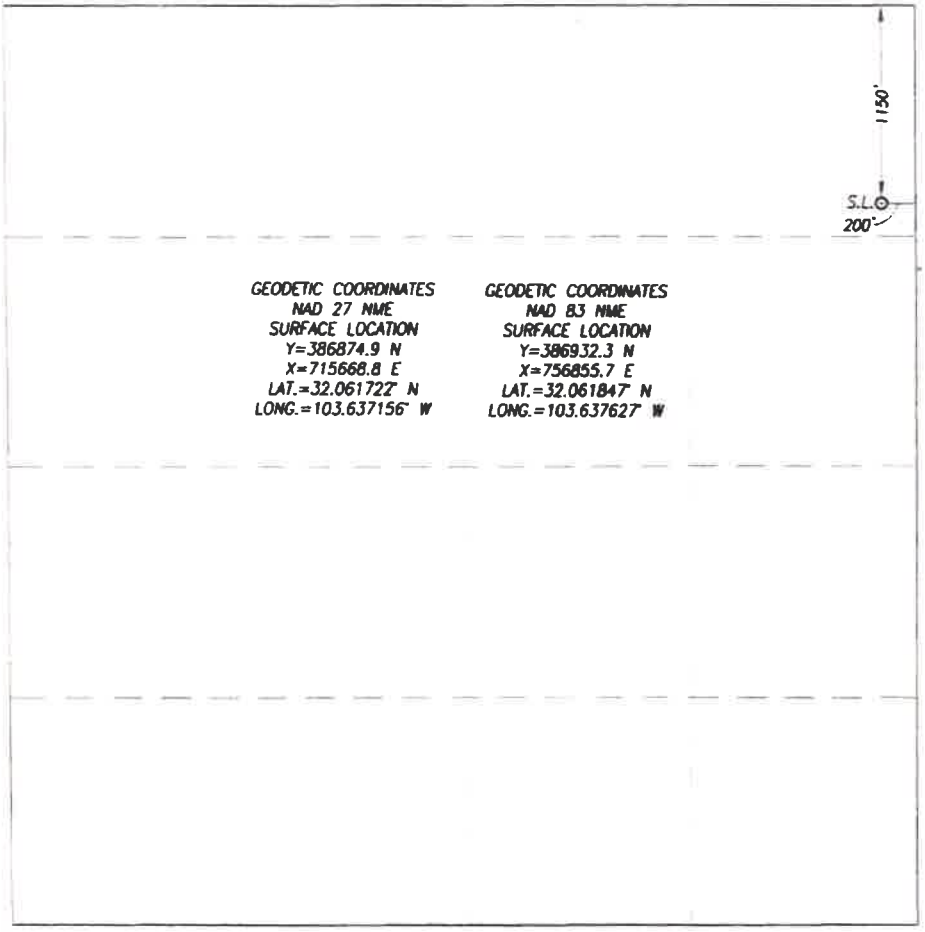
UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	11	26-S	32-E		1150	NORTH	200	EAST	LEA

Bottom Hole Location If Different From Surface

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No
5			

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



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature — Date: 8/19/19

SAMMY HAJAR
Printed Name

SHAJAR@BTAOIL.COM
E-mail Address

SURVEYOR CERTIFICATION

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 and correct to the best of my belief.

JULY 23, 2019
Date of Survey
Signature & Seal of Professional Surveyor

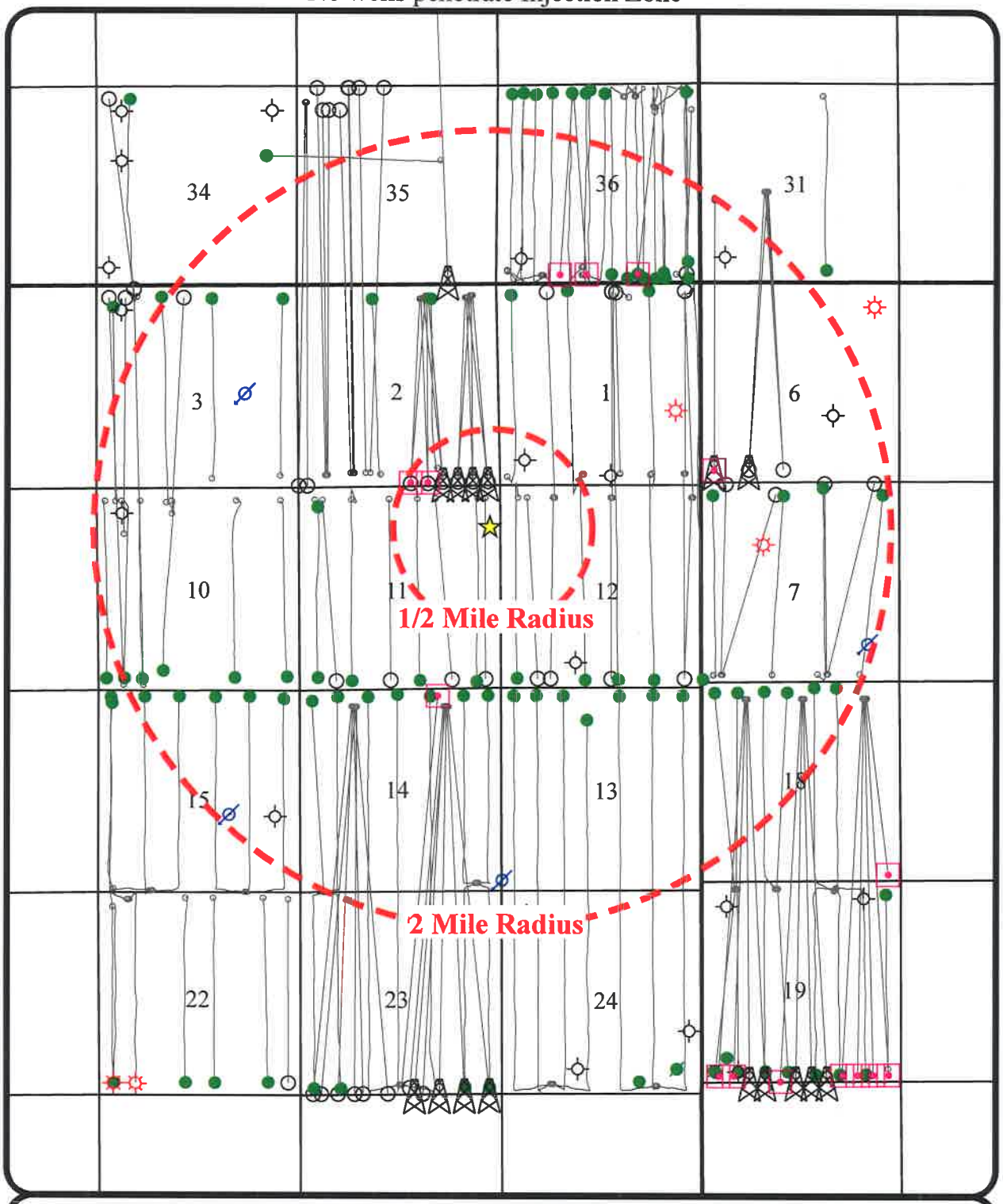
RONALD J. EIDSON
NEW MEXICO
3239
PROFESSIONAL SURVEYOR

Ronald J Eidson 8/12/2019

Certificate Number: Gary L. Eidson 12641
Ronald J. Eidson 3239

ACK — JWSC W.O. 19.11.0845

No wells penetrate Injection Zone



LEGEND:

REMARKS

** Attached **ADDENDUM 1** Identifies All Wells Within A Two (2) Mile Radius Of The Proposed BTA Injection Well **

WELL SYMBOLS

- PROPOSED BTA LOCATION
- PERMITTED LOCATION
- DRILLING WELL
- TD REACHED/COMPLETING
- OIL WELL
- GAS WELL
- INJECTION WELL
- DRY WELL

BTA Oil Producers, LLC

Mesa 8105 SWD #2

RADIUS MAP

Application For Authorization To Inject

Sec. 11, T26S-R32E

Lea County, New Mexico

N

0 4,000'

FEET

JHB - August, 2019

No wells penetrate Injection Zone

ADDENDUM 1 - MESA 8105 SWD #2 - WELLS WITHIN 2 MILE RADIUS

UWI (APINum)	Operator	Well Name	Well No.	Sec.	Twp.	Rng.	Surface Hole Latitude	Surface Hole Longitude	Bottom Hole Latitude	Botom Hole Longitude	TD	Current Status
30-025-45505	EOG	FEARLESS 26 FED COM	503H	26	25S	32E	32.1076194	-103.6420131	32.0799115	-103.640884		DRILLING WELL
30-025-45829	COG	HARRIER FED COM	103H	35	25S	32E	32.0928918	-103.6529756	32.0649729	-103.6536857		PERMITTED LOCATION
30-025-40572	COG	HARRIER 35 FED COM	1H	35	25S	32E	32.0886653	-103.6414659	32.0890088	-103.6563995	16,394'	OIL WELL
30-025-45831	COG	HARRIER FED COM	202H	35	25S	32E	32.092892	-103.6528788	32.0649801	-103.6529433		PERMITTED LOCATION
30-025-08248	FULLERTON	BRADLEY	1	36	25S	32E	32.0814767	-103.6346052			4,953'	DRY WELL
30-025-44263	EOG	GEM 36 STATE COM	005H	36	25S	32E	32.080295	-103.6292999	32.093496	-103.6273608	14,026'	OIL WELL
30-025-44264	EOG	GEM 36 STATE COM	006H	36	25S	32E	32.0802945	-103.6294065	32.0935205	-103.6289692	13,941'	OIL WELL
30-025-45526	EOG	GEM 36 STATE COM	102H	36	25S	32E	32.0933206	-103.6247143	32.0800546	-103.6241255	14,228'	OIL WELL
30-025-41825	EOG	GEM 36 STATE COM	1H	36	25S	32E	32.0803364	-103.6213347	32.0936022	-103.620426	14,006'	OIL WELL
30-025-45527	EOG	GEM 36 STATE COM	201H	36	25S	32E	32.092525	-103.6231369	32.0800236	-103.6222768	14,678'	OIL WELL
30-025-45528	EOG	GEM 36 STATE COM	202H	36	25S	32E	32.0933197	-103.6248209	32.0800467	-103.6255166	14,450'	OIL WELL
30-025-44947	EOG	GEM 36 STATE COM	301H	36	25S	32E	32.0923357	-103.6199884	32.0803684	-103.6204567		PERMITTED LOCATION
30-025-45529	EOG	GEM 36 STATE COM	501H	36	25S	32E	32.092468	-103.6230528	32.0800296	-103.6203191	15,852'	OIL WELL
30-025-45524	EOG	GEM 36 STATE COM	502H	36	25S	32E	32.0925821	-103.623221	32.0800198	-103.6230929	15,707'	OIL WELL
30-025-44567	EOG	GEM 36 STATE COM	601H	36	25S	32E	32.0805633	-103.6358015	32.0935443	-103.6343004	16,803'	OIL WELL
30-025-42780	EOG	GEM 36 STATE COM	701H	36	25S	32E	32.0936435	-103.6200655	32.0812367	-103.6203407	16,813'	OIL WELL
30-025-42948	EOG	GEM 36 STATE COM	702Y	36	25S	32E	32.0936415	-103.6203238	32.0804352	-103.6224019	17,095'	OIL WELL
30-025-43782	EOG	GEM 36 STATE COM	703H	36	25S	32E	32.0932963	-103.6256861	32.0803369	-103.6246328	17,017'	OIL WELL
30-025-42892	EOG	GEM 36 STATE COM	704H	36	25S	32E	32.0921734	-103.6231006	32.0803469	-103.6246213	16,932'	TD REACHED/COMPLETING
30-025-43783	EOG	GEM 36 STATE COM	704H	36	25S	32E	32.0932954	-103.6258024	32.0803294	-103.6268618	17,043'	OIL WELL
30-025-43784	EOG	GEM 36 STATE COM	705H	36	25S	32E	32.0932614	-103.6300365	32.0803241	-103.6290089	17,107'	TD REACHED/COMPLETING
30-025-44440	EOG	GEM 36 STATE COM	705H	36	25S	32E	32.0808448	-103.6293073	32.0937687	-103.6286108	17,225'	OIL WELL
30-025-43785	EOG	GEM 36 STATE COM	706H	36	25S	32E	32.0932605	-103.6301495	32.0803122	-103.6312853	17,180'	TD REACHED/COMPLETING
30-025-44441	EOG	GEM 36 STATE COM	706H	36	25S	32E	32.0808442	-103.6294139	32.093545	-103.6301666	17,180'	OIL WELL
30-025-44265	EOG	GEM 36 STATE COM	707H	36	25S	32E	32.0802773	-103.6326903	32.0935463	-103.6318418	16,990'	OIL WELL
30-025-44266	EOG	GEM 36 STATE COM	708H	36	25S	32E	32.0802768	-103.6327969	32.0933964	-103.6332671	17,074'	OIL WELL
30-025-44267	EOG	GEM 36 STATE COM	709H	36	25S	32E	32.0802762	-103.6329034	32.0934682	-103.6352883	17,069'	OIL WELL
30-025-44568	EOG	GEM 36 STATE COM	721H	36	25S	32E	32.080654	-103.6358033	32.0935308	-103.6342992	17,430'	OIL WELL
30-025-08393	TENNESSEE GAS	RICHARDSON-BASS-FED	1	31	25S	33E	32.0815508	-103.6171662			5,036'	DRY WELL
30-025-45418	KAISER-FRANCIS	RED HILLS FED	003H	31	25S	33E	32.0863242	-103.6135764	32.0660687	-103.6122499		PERMITTED LOCATION
30-025-45383	KAISER-FRANCIS	RED HILLS	101H	31	25S	33E	32.0857723	-103.6180146	32.0660633	-103.6181634		DRILLING WELL
30-025-45385	KAISER-FRANCIS	RED HILLS	103H	31	25S	33E	32.0863244	-103.613641	32.0660687	-103.6122499		PERMITTED LOCATION
30-025-45572	KAISER-FRANCIS	RED HILLS	401H	31	25S	33E	32.0856898	-103.6180144	32.0660633	-103.6181634	13,000'	TD REACHED/COMPLETING
30-025-45572	KAISER-FRANCIS	RED HILLS	401H	31	25S	33E	32.0856898	-103.6180144	32.0660633	-103.6181634	19,662'	TD REACHED/COMPLETING
30-025-45387	KAISER-FRANCIS	RED HILLS FED	402H	31	25S	33E	32.086324	-103.6135119	32.066066	-103.6152066		DRILLING WELL
30-025-45708	KAISER-FRANCIS	RED HILLS FED	403H	31	25S	33E	32.0863239	-103.6134473	32.0660687	-103.6122499		PERMITTED LOCATION
30-025-45384	KAISER-FRANCIS	RED HILLS	602H	31	25S	33E	32.0863247	-103.6137701	32.066066	-103.6152066		PERMITTED LOCATION
30-025-45899	KAISER-FRANCIS	RED HILLS	603H	31	25S	33E	32.0863245	-103.6137056	32.0660687	-103.6122499		PERMITTED LOCATION
30-025-12766	HUMBLE	F L NEWTON	1	1	26S	32E	32.065673	-103.627022			2,027'	DRY WELL
30-025-21861	ROBERT WOOD	RICHARDSON-FED	1	1	26S	32E	32.0668127	-103.6343802			4,900'	DRY WELL
30-025-27600	BTA	MESA 8105 JV-P	1	1	26S	32E	32.0704184	-103.6214331			16,100'	GAS WELL
30-025-27600	BTA	MESA 8105 JV-P	1	1	26S	32E	32.0704184	-103.6214331			16,100'	GAS WELL
30-025-41290	BTA	MESA 8105 JV-P	003H	1	26S	32E	32.0656128	-103.6358661	32.07882	-103.6355513	14,361'	OIL WELL
30-025-42847	BTA	MESA 8105 JV-P	011H	1	26S	32E	32.065842	-103.6293313	32.0508342	-103.6292623	14,944'	OIL WELL
30-025-42849	BTA	MESA 8105 JV-P	013H	1	26S	32E	32.0657405	-103.6236234	32.0508327	-103.6233702	14,965'	OIL WELL
30-025-42850	BTA	MESA 8105 JV-P	014H	1	26S	32E	32.0658269	-103.6207598	32.0508958	-103.6207758		PERMITTED LOCATION
30-025-42851	BTA	MESA 8105 JV-P	016H	1	26S	32E	32.0658466	-103.6294618	32.0790891	-103.6297592	14,848'	OIL WELL
30-025-42852	BTA	MESA 8150 JV-P	017H	1	26S	32E	32.0658366	-103.6262085	32.0789922	-103.6265266		PERMITTED LOCATION
30-025-42853	BTA	MESA 8105 JV-P	018H	1	26S	32E	32.0658317	-103.6234841	32.0791208	-103.6236859	14,645'	OIL WELL
30-025-42854	BTA	MESA 8105 JV-P	019H	1	26S	32E	32.0658266	-103.6206307	32.0791031	-103.6206174		PERMITTED LOCATION
30-025-43724	BTA	MESA 8105 JV-P	030H	1	26S	32E	32.0787174	-103.6206491	32.0508545	-103.6192003	20,030'	OIL WELL
30-025-43725	BTA	MESA 8105 JV-P	031H	1	26S	32E	32.0786576	-103.6254183	32.050867	-103.626456	20,008'	OIL WELL
30-025-40001	COG	ZAPATA BQZ STATE COM	001H	2	26S	32E	32.0658106	-103.6466863	32.078551	-103.6474562	13,660'	OIL WELL
30-025-45827	COG	HARRIER FED COM	101H	2	26S	32E	32.0659127	-103.6489142	32.0939567	-103.6492621		PERMITTED LOCATION
30-025-45828	COG	HARRIER FED COM	102H	2	26S	32E	32.0657658	-103.651302	32.092331	-103.6515004		PERMITTED LOCATION
30-025-39947	EOG	QUIJOTE BQJ STATE COM	1H	2	26S	32E	32.06627	-103.641827	32.0785607	-103.6424151	13,428'	OIL WELL
30-025-45830	COG	HARRIER FED COM	201H	2	26S	32E	32.0659099	-103.6492047	32.0923336	-103.6500474		PERMITTED LOCATION
30-025-45832	COG	HARRIER FED COM	301H	2	26S	32E	32.0659259	-103.6475586	32.093962	-103.6462591		PERMITTED LOCATION
30-025-45833	COG	HARRIER FED COM	302H	2	26S	32E	32.0659221	-103.6479459	32.0939583	-103.6483902		PERMITTED LOCATION
30-025-45834	COG	HARRIER FED COM	303H	2	26S	32E	32.0659118	-103.6490111	32.0939566	-103.6493266		PERMITTED LOCATION
30-025-45835	COG	HARRIER FED COM	304H	2	26S	32E	32.0657668	-103.6512052	32.0923318	-103.651016		PERMITTED LOCATION
30-025-45836	COG	HARRIER FED COM	305H	2	26S	32E	32.0657649	-103.6513988	32.0939519	-103.6519744		PERMITTED LOCATION
30-025-46198	EOG	QUIJOTE 2 STATE COM	501H	2	26S	32E	32.0786531	-103.6391928	32.0652667	-103.6375457		PERMITTED LOCATION
30-025-46199	EOG	QUIJOTE 2 STATE COM	502H	2	26S	32E	32.0786527	-103.6392993	32.0652545	-103.6388207		PERMITTED LOCATION
30-025-46200	EOG	QUIJOTE 2 STATE COM	503H	2	26S	32E	32.0786523	-103.6394059	32.0652422	-103.6400956		PERMITTED LOCATION
30-025-46201	EOG	QUIJOTE 2 STATE COM	504H	2	26S	32E	32.0786396	-103.642996	32.0652299	-103.6413705		PERMITTED LOCATION
30-025-46202	EOG	QUIJOTE 2 STATE COM	505H	2	26S	32E	32.0785741	-103.6431875	32.0651349	-103.6426592		PERMITTED LOCATION
30-025-46203	EOG	QUIJOTE 2 STATE COM	506H	2	26S	32E	32.0785739	-103.643294	32.0651348	-103.6441247		PERMITTED LOCATION
30-025-46024	EOG	QUIJOTE 2 STATE COM	702H	2	26S	32E	32.078819	-103.6388926	32.0652545	-103.6388207		DRILLING WELL
30-025-46025	EOG	QUIJOTE 2 STATE COM	704H	2	26S	32E	32.0788059	-103.6425893	32.0652299	-103.6413705		DRILLING WELL
30-025-46026	EOG	QUIJOTE 2 STATE COM	706H	2	26S	32E	32.0788052	-103.6428024	32.0652034	-103.6441109	17,043'	TD REACHED/COMPLETING
30-025-46027	EOG	QUIJOTE 2 STATE COM	711H	2	26S	32E	32.0788194	-103.638786	32.0652667	-103.6375457		DRILLING WELL
30-025-46028	EOG	QUIJOTE 2 STATE COM	713H	2	26S	32E	32.0788187	-103.6389991	32.0652422	-103.6400956		DRILLING WELL
30-025-46029	EOG	QUIJOTE 2 STATE COM	715H	2	26S	32E	32.0788056	-103.6426958	32.0652175	-103.6426455	17,333'	TD REACHED/COMPLETING
30-025-41208	COG	PINTAIL 3 FED SWD	1	3	26S	32E	32.0716989	-103.6582793			6,613'	INJECTION WELL
30-025-40684	COG	PINTAIL 3 FED	1H	3	26S	32E	32.0655364	-103.6611132	32.0786037	-103.661171	14,007'	OIL WELL
30-025-40685	COG	PINTAIL 3 FED	2H	3	26S	32E	32.0657395	-103.6552721	32.0786822	-103.6548688	14,000'	OIL WELL
30-025-08254	MARSH	FED-HALL	1	10	26S	32E	32.0629939	-103.6688136			4,590'	DRY WELL
30-025-43306	MEWBOURNE	RED HILLS WEST UNIT	015H	10	26S	32E	32.0629881	-103.6645367	32.0786749	-103.6634594		PERMITTED LOCATION
30-025-43428	MEWBOURNE	RED HILLS WEST UNIT	017H	10	26S	32E	32.06151	-103.66864	32.0786704	-103.6684311		PERMITTED LOCATION
30-025-44604	MEWBOURNE	RED HILLS WEST UNIT	021H	10	26S	32E	32.050545	-103.6687104	32.0786691	-103.6698515		PERMITTED LOCATION

No wells penetrate Injection Zone

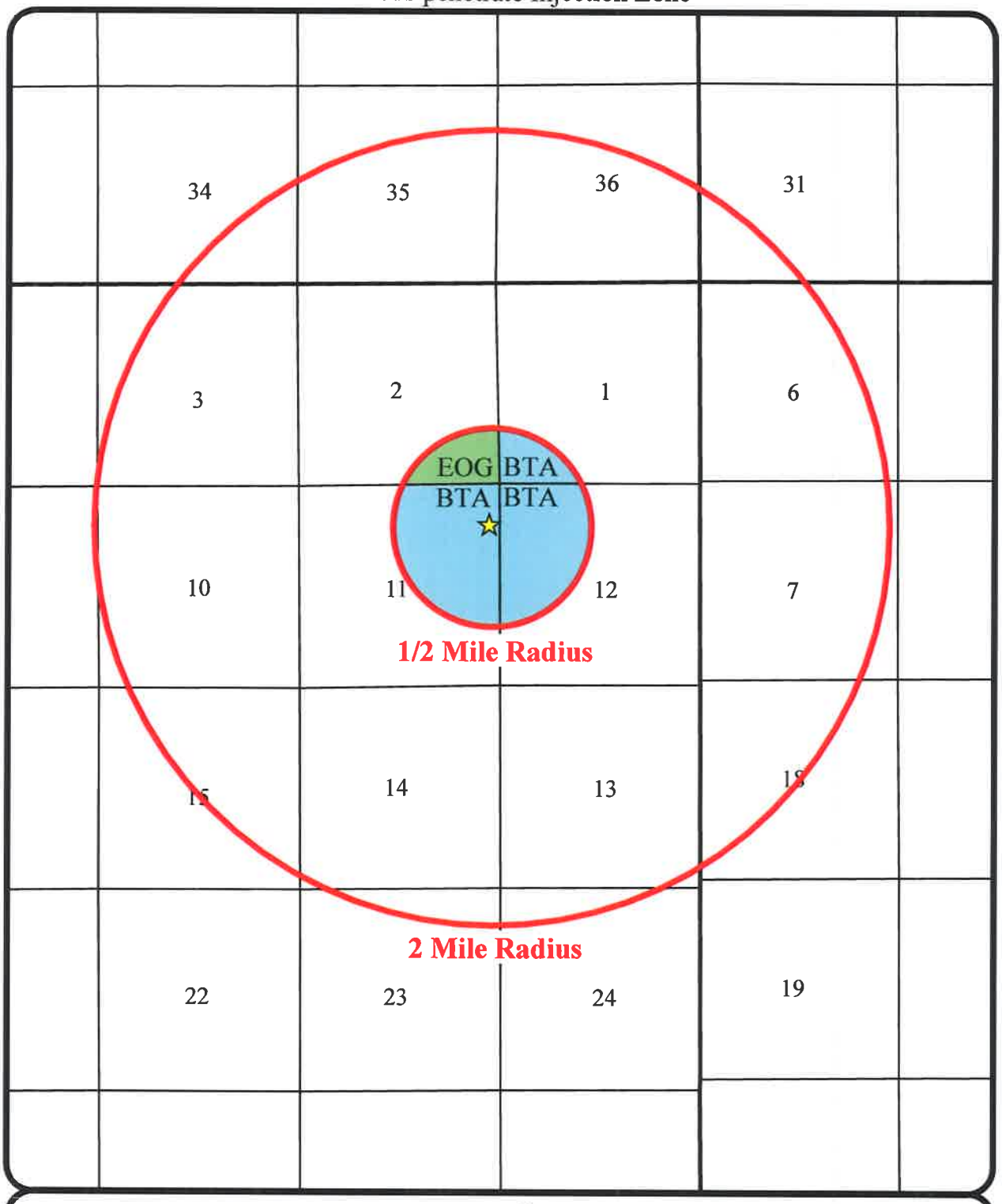
ADDENDUM 1 - MESA 8105 SWD #2 - WELLS WITHIN 2 MILE RADIUS

UWI (APINum)	Operator	Well Name	Well No.	Sec.	Twp.	Rng.	Surface Hole Latitude	Surface Hole Longitude	Bottom Hole Latitude	Botom Hole Longitude	TD	Current Status
30-025-44605	MEWBOURNE	RED HILLS WEST UNIT	022H	10	26S	32E	32.050539	-103.6669998	32.0793033	-103.6677189		PERMITTED LOCATION
30-025-42336	MEWBOURNE	RED HILLS WEST UNIT	11H	10	26S	32E	32.0638984	-103.6702576	32.051026	-103.6701689	13,450'	OIL WELL
30-025-42417	MEWBOURNE	RED HILLS WEST UNIT	12H	10	26S	32E	32.063901	-103.6688212	32.0510413	-103.6686417	13,685'	OIL WELL
30-025-39911	MEWBOURNE	RED HILLS WEST 10 FED	1H	10	26S	32E	32.0639088	-103.6645604	32.0515681	-103.6652745	13,678'	OIL WELL
30-025-40423	COG	BUFFLEHEAD 10 FED	1H	10	26S	32E	32.0639186	-103.6590391	32.0510053	-103.6589849	13,930'	OIL WELL
30-025-40594	COG	BUFFLEHEAD 10 FED	2H	10	26S	32E	32.0639254	-103.6552627	32.0511062	-103.6547641	13,860'	OIL WELL
30-025-40687	MEWBOURNE	RED HILLS WEST UNIT 3	4H	10	26S	32E	32.0637979	-103.6650114	32.0787281	-103.6653789	14,761'	OIL WELL
30-025-41136	MEWBOURNE	RED HILLS WEST UNIT	5H	10	26S	32E	32.0639001	-103.6693377	32.0779808	-103.6694979	15,650'	OIL WELL
30-025-41849	MEWBOURNE	RED HILLS WEST UNIT	7H	10	26S	32E	32.0639039	-103.6672396	32.0510222	-103.6671012	13,403'	OIL WELL
	BTA	**Mesa SWD**	**2**	**11**	**26S**	**32E**	**32.0618347**	**-103.6371207**				**PROPOSED BTA LOCATION**
30-025-41289	BTA	MESA 8105 JV-P	002H	11	26S	32E	32.0639415	-103.6523254	32.0634325	-103.6520927	14,026'	OIL WELL
30-025-42842	BTA	MESA 8105 JV-P	004H	11	26S	32E	32.063972	-103.6491978	32.050805	-103.6492048	14,355'	OIL WELL
30-025-42845	BTA	MESA 8105 JV-P	007H	11	26S	32E	32.0640414	-103.6420265	32.0508841	-103.6406355		PERMITTED LOCATION
30-025-42846	BTA	MESA 8105 JV-P	008H	11	26S	32E	32.0640824	-103.637766	32.0509183	-103.6377806		PERMITTED LOCATION
30-025-42855	BTA	MESA 8105 JV-P	020H	11	26S	32E	32.0639477	-103.6516799	32.0507919	-103.6505213		PERMITTED LOCATION
30-025-42856	BTA	MESA 8105 JV-P	021H	11	26S	32E	32.0640031	-103.6459735	32.0508391	-103.6458767		PERMITTED LOCATION
30-025-42857	BTA	MESA 8105 JV-P	022H	11	26S	32E	32.0640762	-103.6384116	32.0507428	-103.6385368	14,554'	OIL WELL
30-025-42844	BTA	MESA 8105 JV-P	6H	11	26S	32E	32.0640264	-103.6435693	32.0508311	-103.6433945	14,445'	OIL WELL
30-025-08255	HOMESTEAD	CLIFFORD	1	12	26S	32E	32.0520866	-103.6300849			4,868'	DRY WELL
30-025-43079	BTA	MESA 8105 JV-P	009H	12	26S	32E	32.0640923	-103.6349579	32.0509723	-103.6350856	14,600'	OIL WELL
30-025-42960	BTA	MESA 8105 JV-P	010H	12	26S	32E	32.0640872	-103.6319561	32.0509297	-103.6322159		PERMITTED LOCATION
30-025-42961	BTA	MESA 8105 JV-P	015H	12	26S	32E	32.0640871	-103.631827	32.0790416	-103.6324458		PERMITTED LOCATION
30-025-42962	BTA	MESA 8105 JV-P	023H	12	26S	32E	32.064091	-103.6341832	32.0509404	-103.6333267		PERMITTED LOCATION
30-025-42951	BTA	MESA 8105 JV-P	024H	12	26S	32E	32.0640788	-103.6270235	32.0509018	-103.6270368		PERMITTED LOCATION
30-025-42952	BTA	MESA 8105 JV-P	025H	12	26S	32E	32.0640665	-103.620116	32.0508957	-103.6207757		PERMITTED LOCATION
30-025-42964	BTA	MESA 8105 JV-P	027H	12	26S	32E	32.0640786	-103.6268944	32.0790707	-103.6268804		PERMITTED LOCATION
30-025-42965	BTA	MESA 8105 JV-P	028H	12	26S	32E	32.0640663	-103.619987	32.0791031	-103.6206174		PERMITTED LOCATION
30-025-42354	MESQUITE SWD	SALADO DRAW SWD 13	1	13	26S	32E	32.0363192	-103.6364428			18,675'	INJECTION WELL
30-025-42354	CHEVRON	SALADO DRAW SWD 13	1	13	26S	32E	32.0363192	-103.6364428			18,256'	DRY WELL
30-025-42354	MESQUITE SWD	SALADO DRAW SWD 13	1	13	26S	32E	32.0363192	-103.6364428			19,460'	TD REACHED/COMPLETING
30-025-45867	CHEVRON	SD 14 23 FED P18	009H	14	26S	32E	32.04893	-103.64922	32.0207796	-103.6526372		PERMITTED LOCATION
30-025-45819	CHEVRON	SD 14 23 P18 FED	010H	14	26S	32E	32.04893	-103.649139	32.0207892	-103.6505078		PERMITTED LOCATION
30-025-45820	CHEVRON	SD 14 23 FED P18	011H	14	26S	32E	32.0489089	-103.6490463	32.0207987	-103.6483784		PERMITTED LOCATION
30-025-45821	CHEVRON	SD 14 23 FED P18	012H	14	26S	32E	32.0489088	-103.6489656	32.0208081	-103.646249		PERMITTED LOCATION
30-025-45822	CHEVRON	SD 14 23 FED P18	013H	14	26S	32E	32.0489088	-103.6488849	32.0207828	-103.6519274		PERMITTED LOCATION
30-025-45823	CHEVRON	SD 14 23 FED P18	014H	14	26S	32E	32.0489088	-103.6488042	32.0207955	-103.6490882		PERMITTED LOCATION
30-025-45705	CHEVRON	SD 14 23 FED P19	015H	14	26S	32E	32.048929	-103.641387	32.0212424	-103.644391		PERMITTED LOCATION
30-025-45824	CHEVRON	SD 14 23 FED P19	016H	14	26S	32E	32.04893	-103.641307	32.0208213	-103.643263		PERMITTED LOCATION
30-025-45706	CHEVRON	SD 14 23 FED P19	017H	14	26S	32E	32.04893	-103.641226	32.0208182	-103.6439728		DRILLING WELL
30-025-45825	CHEVRON	SD 14 23 FED P19	018H	14	26S	32E	32.04893	-103.641145	32.0208276	-103.6418434		DRILLING WELL
30-025-45707	CHEVRON	SD 14 23 FED P19	019H	14	26S	32E	32.04893	-103.641065	32.0208369	-103.639714		DRILLING WELL
30-025-45826	CHEVRON	SD 14 23 FED P19	020H	14	26S	32E	32.0489064	-103.6409604	32.0208462	-103.6375846		DRILLING WELL
30-025-42800	CHEVRON	SD WE 14 FED P5	1H	14	26S	32E	32.0354694	-103.6516458	32.0493268	-103.6526363	13,887'	OIL WELL
30-025-42801	CHEVRON	SD WE 14 FED P5	2H	14	26S	32E	32.0354703	-103.6514845	32.0496434	-103.6504292	13,917'	OIL WELL
30-025-43086	CHEVRON	SD WE 14 FED P7	3H	14	26S	32E	32.0361013	-103.6387275	32.0497068	-103.6396746	13,803'	OIL WELL
30-025-43088	CHEVRON	SD WE 23 FED P7	3H	14	26S	32E	32.0361018	-103.6386468	32.0213002	-103.6396591	14,043'	OIL WELL
30-025-43087	CHEVRON	SD WE 14 FED P7	4H	14	26S	32E	32.0361022	-103.6385661	32.0497241	-103.6375793	13,816'	OIL WELL
30-025-43089	CHEVRON	SD WE 23 FED P7	4H	14	26S	32E	32.0361026	-103.6384855	32.0212788	-103.6374662	14,002'	OIL WELL
30-025-08256	TOM BROWN	BEN-FED	1	15	26S	32E	32.0409454	-103.6558053			4,649'	DRY WELL
30-025-45127	CHEVRON	MAELSTROM SWD	1	15	26S	32E	32.0410818	-103.6594422	32.0411205	-103.6597663	18,941'	INJECTION WELL
30-025-43594	CHEVRON	SD WE 15 FED P12	002H	15	26S	32E	32.0356082	-103.6663784	32.0496795	-103.6669133	13,872'	OIL WELL
30-025-43595	CHEVRON	SD WE 15 FED P12	003H	15	26S	32E	32.035608	-103.6662978	32.0496945	-103.6639675	13,855'	OIL WELL
30-025-43640	CHEVRON	SD WE 15 FED P9	005H	15	26S	32E	32.035477	-103.6584028	32.0496454	-103.6608906	13,995'	OIL WELL
30-025-43641	CHEVRON	SD WE 15 FED P9	006H	15	26S	32E	32.0354768	-103.6583221	32.0496688	-103.6579771	13,943'	OIL WELL
30-025-43642	CHEVRON	SD WE 15 FED P9	007H	15	26S	32E	32.0354766	-103.6582414	32.0495067	-103.6550498	13,968'	OIL WELL
30-025-43460	CHEVRON	SD WE 23 FED P25	001H	23	26S	32E	32.0214583	-103.6453016	32.0496194	-103.6478442	19,196'	OIL WELL
30-025-43462	CHEVRON	SD WE 23 FED P25	003H	23	26S	32E	32.021459	-103.6451403	32.0496709	-103.6425123	19,419'	OIL WELL
30-025-43461	CHEVRON	SD WE 23 FED P25	006H	23	26S	32E	32.0214586	-103.645221	32.0497982	-103.6453438	19,157'	OIL WELL
30-025-43463	CHEVRON	SD WE 23 FED P25	4H	23	26S	32E	32.0214593	-103.6450597	32.0497212	-103.6418647	19,269'	TD REACHED/COMPLETING
30-025-20448	GULF	LITTLEFIELD-FRAL DR	2	24	26S	32E	32.0337081	-103.634351			4,645'	DRY WELL
30-025-43674	CHEVRON	SD WE 24 FED P24	005H	24	26S	32E	32.0213206	-103.6234284	32.0496741	-103.6263609	19,338'	OIL WELL
30-025-43673	CHEVRON	SD WE 24 FED P24	006H	24	26S	32E	32.0213205	-103.6233477	32.0497249	-103.6234741	19,286'	OIL WELL
30-025-43675	CHEVRON	SD WE 24 FED P24	007H	24	26S	32E	32.0213204	-103.6232671	32.049685	-103.620948	19,371'	OIL WELL
30-025-43318	CHEVRON	SD WE 24 FED P23	1H	24	26S	32E	32.0214934	-103.6323786	32.0496997	-103.6353806	19,366'	OIL WELL
30-025-43296	CHEVRON	SD WE 24 FED P23	2H	24	26S	32E	32.0214933	-103.6322979	32.0497344	-103.6334481	19,261'	OIL WELL
30-025-43297	CHEVRON	SD WE 24 FED P23	3H	24	26S	32E	32.0214933	-103.6322173	32.0496856	-103.6311516	19,261'	OIL WELL
30-025-43298	CHEVRON	SD WE 24 FED P23	4H	24	26S	32E	32.0214932	-103.6321366	32.0479112	-103.6291367	18,709'	OIL WELL
30-025-08401	SAM JOLLIFFE	JM JONES-FED	1	6	26S	33E	32.0699756	-103.607954			5,010'	DRY WELL
30-025-30662	BTA	MESA B 8105 JV-P	1	7	26S	33E	32.0606247	-103.6139864			13,900'	GAS WELL
30-025-42462	BTA	MESA B SWD 8115 JV-P	2	7	26S	33E	32.0533749	-103.605114			7,019'	INJECTION WELL
30-025-42126	BTA	MESA B 8115 JV-P COM	003H	7	26S	33E	32.0511817	-103.6094042	32.0647219	-103.60887	14,089'	OIL WELL
30-025-42128	BTA	MESA B 8115 JV-P COM	005H	7	26S	33E	32.0511543	-103.6182868	32.0642114	-103.6182928	13,777'	OIL WELL
30-025-44886	BTA	MESA B 8115 7	006H	7	26S	33E	32.0511835	-103.6176413	32.0650197	-103.6171633		PERMITTED LOCATION
30-025-44887	BTA	MESA B 8115 7	007H	7	26S	33E	32.0511838	-103.6175445	32.064254	-103.6129058		PERMITTED LOCATION
30-025-44888	BTA	MESA B 8115 7	008H	7	26S	33E	32.0512077	-103.6086063	32.0650273	-103.6087169		PERMITTED LOCATION
30-025-44889	BTA	MESA B 8115 7	009H	7	26S	33E	32.0512079	-103.6085095	32.065031	-103.6044561		PERMITTED LOCATION
30-025-42125	BTA	8115 JV-P MESA B COM	2H	7	26S	33E	32.0511876	-103.6057727	32.0642196	-103.6038513	13,728'	OIL WELL
30-025-42127	BTA	8115 JV-P MESA B COM	4H	7	26S	33E	32.0511677	-103.6132843	32.0641702	-103.6122535	13,760'	OIL WELL
30-025-44113	CHEVRON	SD EA 18 19 P13 FED COM	008H	18	26S	33E	32.0493885	-103.6156409	32.0220598	-103.617994	22,469'	TD REACHED/COMPLETING
30-025-44129	CHEVRON	SD EA 18 19 FED COM P13	009H	18	26S	33E	32.0493887	-103.6155602	32.0220633	-103.6166712	23,000'	TD REACHED/COMPLETING
30-025-44130	CHEVRON	SD EA 18 19 P13 FED COM	010H	18	26S	33E	32.0493889	-103.6154795	32.0216408	-103.6153497		DRILLING WELL

No wells penetrate Injection Zone

ADDENDUM 1 - MESA 8105 SWD #2 - WELLS WITHIN 2 MILE RADIUS												
UWI (APINum)	Operator	Well Name	Well No.	Sec.	Twp.	Rng.	Surface Hole Latitude	Surface Hole Longitude	Bottom Hole Latitude	Botom Hole Longitude	TD	Current Status
30-025-44131	CHEVRON	SD EA 18 19 FED COM P13	011H	18	26S	33E	32.0493892	-103.6153988	32.0216444	-103.6140269		DRILLING WELL
30-025-44132	CHEVRON	SD EA 18 19 FED P14	012H	18	26S	33E	32.0494015	-103.610788	32.0216479	-103.6127041	23,000'	TD REACHED/COMPLETING
30-025-44133	CHEVRON	SD EA 18 19 FED P14	013H	18	26S	33E	32.0494017	-103.6107073	32.0216514	-103.6113813		DRILLING WELL
30-025-44139	CHEVRON	SD EA 18 19 FED P14	014H	18	26S	33E	32.0494019	-103.6106266	32.0216549	-103.6100453		DRILLING WELL
30-025-44134	CHEVRON	SD EA 18 19 FED P14	015H	18	26S	33E	32.0494021	-103.6105459	32.0216584	-103.6087225		DRILLING WELL
30-025-42659	CHEVRON	SALADO DRAW 18 26 33 FED	1H	19	26S	33E	32.0355911	-103.6165547	32.0498626	-103.6182092	14,042'	OIL WELL
30-025-42660	CHEVRON	SALADO DRAW 18 26 33 FED	2H	19	26S	33E	32.0355915	-103.6163934	32.0498678	-103.6162567	14,135'	OIL WELL
30-025-42278	CHEVRON	SALADO DRAW 18 26 33 FED	3H	19	26S	33E	32.0356005	-103.613102	32.049874	-103.6139653	13,890'	OIL WELL
30-025-42279	CHEVRON	SALADO DRAW 18 26 33 FED	4H	19	26S	33E	32.035601	-103.6129407	32.0498792	-103.6120128	13,900'	OIL WELL
30-025-42795	CHEVRON	SD EA 18 FED P6	5H	19	26S	33E	32.0354327	-103.6080656	32.0502119	-103.609708	14,214'	OIL WELL
30-025-42796	CHEVRON	SD EA 18 FED P6	6H	19	26S	33E	32.0354851	-103.6080169	32.0501851	-103.6078189	14,185'	OIL WELL

No wells penetrate Injection Zone



LEGEND:

WELL SYMBOLS

☆ PROPOSED BTA LOCATION

OPERATOR LEASEHOLD

BTA Oil Producers
Sec. 1, 11, 12 - T26S-R32E

EOG Resources
Sec. 2 - T26S-R32E

BTA Oil Producers, LLC

Mesa 8105 SWD #2

OPERATOR MAP

Application For Authorization To Inject
Sec. 11, T26S-R32E
Lea County, New Mexico

N

0 4,000'
FEET

JHB - August, 2019

MESA 8105 SWD #2

1150' FNL 200' FEL

Sec. 11 T26S R32E

Lea County, NM

SURFACE OWNER & OFFSET OPERATORS

SURFACE OWNER:

Name	ADDRESS	CITY, STATE, & ZIP	Certified #
BLM	301 Dinosaur Trail	Santa Fe, NM 87508	7013 0600 0001 8498 9730

OFFSET OPERATOR:

Name	ADDRESS	CITY, STATE, & ZIP	Certified #
EOG Resources, INC	111 Bagby St. #28	Houston, TX 77002	7015 0640 0001 5098 7445

BAKER HUGHES

Permian Basin Area Laboratory
2101 Market Street,
Midland, Texas 79703

Upstream Chemicals

REPORT DATE: 5/20/2019

COMPLETE WATER ANALYSIS REPORT SSP v.2010

CUSTOMER:		ACCOUNT REP:	HECTOR M ESPINOZA
DISTRICT:	NEW MEXICO	SAMPLE ID:	201901014293
AREA/LEASE:	SALADO DRAW	SAMPLE DATE:	2/15/2019
SAMPLE POINT NAME	SALADO DRAW 24 CTB WTP	ANALYSIS DATE:	2/27/2019
SITE TYPE:	FACILITY	ANALYST:	JL
SAMPLE POINT DESCRIPTION:	TRANSFER PUMP		

FIELD DATA

Initial Temperature (°F):	250
Final Temperature (°F):	80
Initial Pressure (psi):	100
Final Pressure (psi):	15
pH:	
pH at time of sampling:	5.8
aqueous CO_2 (ppm):	900.0
aqueous H_2S (ppm):	0.0
aqueous O2 (ppb):	ND
Calculated TDS (mg/L):	193482
Density/Specific Gravity (g/cm³):	1.1221
Measured Specific Gravity	1.1315
Conductivity (mmhos):	ND
Resistivity:	ND
MCF/D:	No Data
BOPD:	No Data
BWPD:	No Data

ANALYSIS OF SAMPLE

ANIONS:	mg/L	meq/L
Chloride (Cl^-):	118901.2	3354.1
Sulfate (SO_4^{2-}):	2145.5	23.9
Borate ($H_2BO_3^-$):	248.7	4.0
Fluoride (F^-):	ND	
Bromide (Br^-):	ND	
Nitrite (NO_2^-):	ND	
Nitrate (NO_3^-):	ND	
Phosphate (PO_4^{3-}):	ND	
Silica (SiO_2):	ND	

ALKALINITY BY TITRATION:	mg/L	meq/L
Bicarbonate (HCO_3^-):	780.8	12.8
Carbonate (CO_3^{2-}):	ND	
Hydroxide (OH^-):	ND	

ORGANIC ACIDS:	mg/L	meq/L
Formic Acid:	ND	
Acetic Acid:	ND	
Propionic Acid:	ND	
Butyric Acid:	ND	
Valeric Acid:	ND	

CATIONS:	mg/L	meq/L
Sodium (Na^+):	61261.6	2665.9
Potassium (K^+):	1049.8	26.8
Magnesium (Mg^{2+}):	1315.8	108.1
Calcium (Ca^{2+}):	8145.6	406.5
Strontium (Sr^{2+}):	820.6	18.7
Barium (Ba^{2+}):	2.7	0.0
Iron (Fe^{2+}):	58.2	2.1
Manganese (Mn^{2+}):	2.0	0.1
Lead (Pb^{2+}):	ND	
Zinc (Zn^{2+}):	0.0	0.0
Aluminum (Al^{3+}):	0.0	0.0
Chromium (Cr^{3+}):	ND	
Cobalt (Co^{2+}):	ND	
Copper (Cu^{2+}):	0.0	0.0
Molybdenum (Mo^{2+}):	ND	
Nickel (Ni^{2+}):	ND	
Tin (Sn^{2+}):	ND	
Titanium (Ti^{2+}):	ND	
Vanadium (V^{2+}):	ND	
Zirconium (Zr^{2+}):	ND	
Lithium (Li^+):	11.5	
Total Hardness:	28714	N/A

Anion/Cation Ratio: 1.05 ND = Not Determined

SCALE PREDICTIONS BASED ON FIELD PROVIDED DATA; FUTHER MODELING MAY BE REQUIRED FOR VALIDATION OF SCALE PREDICTION RESULTS

Conditions		Barite ($BaSO_4$)		Calcite ($CaCO_3$)		Gypsum ($CaSO_4 \cdot 2H_2O$)		Anhydrite ($CaSO_4$)	
Temp	Press.	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)
80°F	15 psi	0.96	1.428	1.09	158.445	-0.05	0.000	-0.18	0.000
99°F	24 psi	0.84	1.370	1.13	160.970	-0.04	0.000	-0.09	0.000
118°F	34 psi	0.72	1.297	1.20	165.819	-0.04	0.000	-0.01	0.000
137°F	43 psi	0.61	1.209	1.28	170.861	-0.04	0.000	0.08	94.778
156°F	53 psi	0.51	1.106	1.36	175.536	-0.04	0.000	0.17	181.202
174°F	62 psi	0.42	0.987	1.46	180.440	-0.04	0.000	0.27	254.078
193°F	72 psi	0.33	0.854	1.55	184.759	-0.04	0.000	0.36	314.704
212°F	81 psi	0.25	0.707	1.64	188.500	-0.05	0.000	0.46	364.372
231°F	91 psi	0.18	0.546	1.72	191.786	-0.05	0.000	0.56	404.452
250°F	100 psi	0.11	0.370	1.80	194.709	-0.06	0.000	0.65	436.340

Conditions		Celestite ($SrSO_4$)		Halite ($NaCl$)		Iron Sulfide (FeS)		Iron Carbonate ($FeCO_3$)	
Temp	Press.	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)
80°F	15 psi	0.71	371.955	-0.79	0.000	-9.29	0.000	0.56	27.628
99°F	24 psi	0.71	374.720	-0.80	0.000	-9.37	0.000	0.65	30.149
118°F	34 psi	0.72	375.859	-0.81	0.000	-9.38	0.000	0.77	32.757
137°F	43 psi	0.72	376.444	-0.82	0.000	-9.36	0.000	0.88	34.764
156°F	53 psi	0.72	377.223	-0.83	0.000	-9.33	0.000	0.98	36.224
174°F	62 psi	0.73	378.670	-0.84	0.000	-9.28	0.000	1.08	37.410
193°F	72 psi	0.73	381.026	-0.85	0.000	-9.22	0.000	1.17	38.212
212°F	81 psi	0.74	384.330	-0.85	0.000	-9.17	0.000	1.23	38.760
231°F	91 psi	0.76	388.457	-0.86	0.000	-9.13	0.000	1.28	39.134
250°F	100 psi	0.77	393.145	-0.86	0.000	-9.08	0.000	1.32	39.384

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered

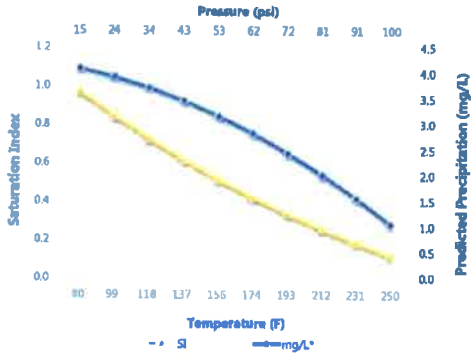
Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the eight (8) scales

Note 3: Saturation index predictions on this sheet use pH and alkalinity; $\%CO_2$ is not included in the calculations

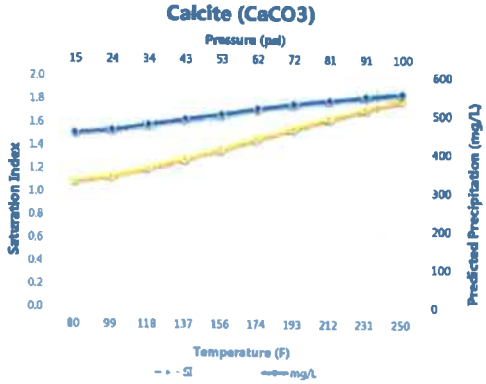
ScaleSoftPitzer™ SSP2010

Comments:

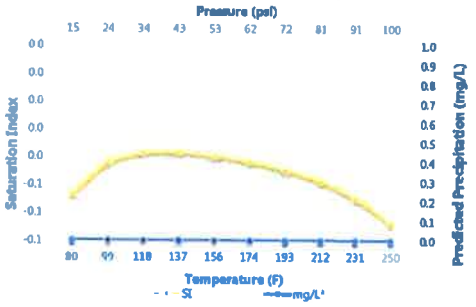
Barite (BaSO4)



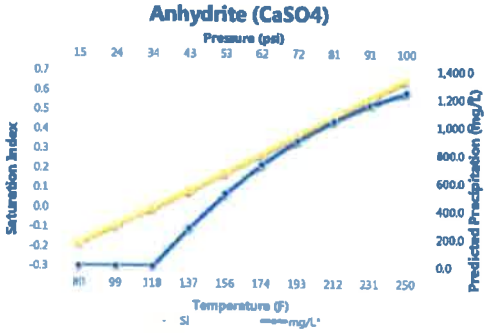
Calcite (CaCO3)



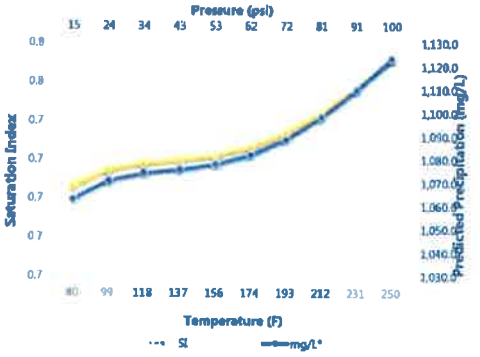
Gypsum (CaSO4-2H2O)



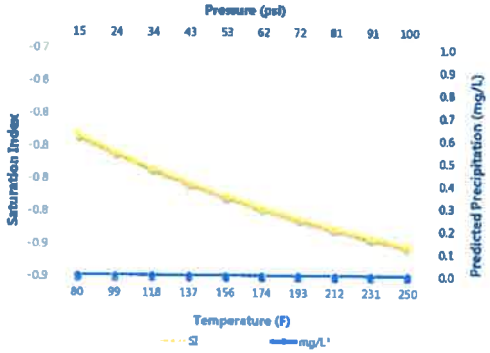
Anhydrite (CaSO4)



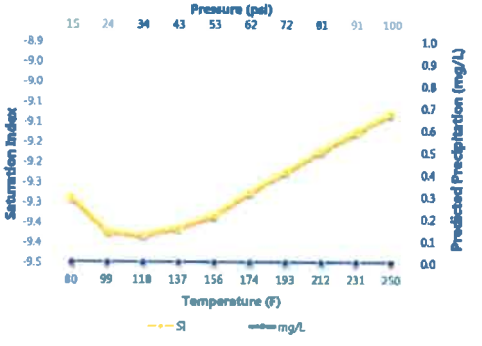
Celestite (SrSO4)



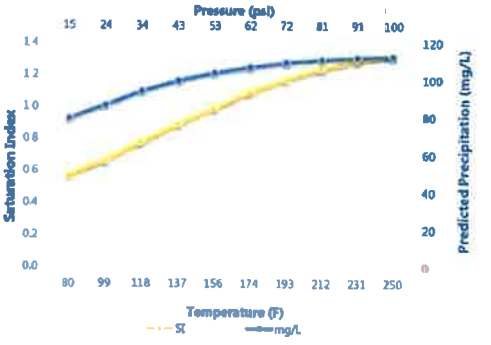
Halite (NaCl)



Iron Sulfide (FeS)



Iron Carbonate (FeCO3)



SCALE PREDICTIONS BASED ON FIELD PROVIDED DATA; FUTHER MODELING MAY BE REQUIRED FOR VALIDATION OF SCALE PREDICTION RESULTS.

Well Name	API	Lat	Long	Sect	Twn	Range	County	ST	Field	Formation	samplesource	tds_mgL	chloride_mgL
ANTELOPE RIDGE UNIT	3002521082	32.259	-103.461	34	23 S	34 E	Lea	NM	ANTELOPE RIDGE	DEVONIAN	UNKNOWN	80187	47900
FARNSWORTH FEDERAL	3002511950	32.078	-103.162	4	26 S	37 E	Lea	NM	CROSBY	DEVONIAN	UNKNOWN	31931	20450
ARNOTT RAMSAY NCT B	3002511863	32.092	-103.178	32	25 S	37 E	Lea	NM	CROSBY	DEVONIAN			100382
COPPER	3002511818	32.099	-103.165	28	25 S	37 E	Lea	NM	CROSBY	DEVONIAN	UNKNOWN	27506	15270
STATE NJ A	3002511398	32.165	-103.127	2	25 S	37 E	Lea	NM	JUSTIS NORTH	DEVONIAN	DST	105350	59300
WEST DOLLARHIDE DEVONIAN	3002512297	32.172	-103.076	32	24 S	38 E	Lea	NM	DOLLARHIDE	DEVONIAN	WELLHEAD	50858	30200
STATE B COM	3002509716	32.179	-103.221	36	24 S	36 E	Lea	NM	CUSTER	DEVONIAN	UNKNOWN	176234	107400
E C HILL D FEDERAL	3002510950	32.265	-103.144	34	23 S	37 E	Lea	NM	TEAGUE	DEVONIAN	UNKNOWN	236252	147000
E C HILL B FEDERAL	3002510945	32.266	-103.144	34	23 S	37 E	Lea	NM	TEAGUE	DEVONIAN	UNKNOWN	112959	67390
CLINE FEDERAL	3002510717	32.302	-103.136	14	23 S	37 E	Lea	NM	CLINE	DEVONIAN	PRODUCTION TEST	118979	71280
BELL LAKE UNIT	3002508483	32.328	-103.507	6	23 S	34 E	Lea	NM	BELL LAKE NORTH	DEVONIAN	HEATER/TREATER	71078	42200
											Average	101133	64434

The data table above represents all water analysis of wells within 30 miles of proposed SWD well in Lea County, New Mexico. The data was supplied by Martha Cather from the PRRC (Petroleum Recovery Resource Center) at New Mexico Tech in Socorro, New Mexico. The water analysis was performed on water samples from the 'Devonian', which covers both Silurian and Devonian aged rocks.

For most wells the chloride count and total dissolved solids count (tds in milligrams) was available. The sodium count, which was not available for these wells, is always about half the chloride count, and is included in the total dissolved solids count. With this assumption, the dissolved sodium and chloride count comprises ~90% of the total dissolved solids. The average value for the chloride count in the 11 wells below is 64,000 mlg, which equates to ~100,000 mgl sodium and chloride. Some of the Devono-Silurian wells have total dissolved solid counts as high as 236,000 mlg.

As previously seen in the water analysis from the Wolfcamp, the dissolved sodium and chloride content is ~104,000 mgl which is similar to the salinity of the Silurian formation that will receive the injected water.

1. FORMATION TOPS

FORMATION	KBTVD	MD
RUSLTER	735	735
TOP SALT	1095	1095
BASE SALT	4460	4460
DELAWARE	4690	4690
BELL CANYON	4720	4720
CHERRY CANYON	5730	5730
BRUSHY CANYON	7310	7310
BONE SPRING LIME	8918	8918
FIRST BONE SPRING SAND	9803	9803
SECOND BONE SPRING SAND	10443	10443
THIRD BONE SPRING CARBONATE	10943	10943
TOP WOLFCAMP	12043	12043
LOWER WOLFCAMP A	12793	12793
ATOKA	14468	14468
BARNETT	15668	15668
MISSISSIPPI LIME	17062	17062
WOODFORD	17342	17342
DEVONIAN	17483	17483
FUSSELMAN	18643	18643
ELLENBURGER	20293	20293

2. ESTIMATED DEPTH OF WATER, OIL , GAS & OTHER MINERAL BEARING FORMATIONS

The estimated depths at which the top and bottom of the anticipated water, oil, gas, or other mineral bearing formations are expected and to be encountered as follows

SUBSTANCE	FORMATION	KBTVD	MD
Deepest Expected Base of Fresh Water		735	735
W	TOP SALT	1095	1095
W	BASE SALT	4460	4460
O/W	DELAWARE	4690	4690
O/W	BELL CANYON	4720	4720
O/G/W	CHERRY CANYON	5730	5730
O/G/W	BRUSHY CANYON	7310	7310
O/G/W	BONE SPRING LIME	8918	8918
O/G/W	FIRST BONE SPRING SAND	9803	9803
O/G/W	SECOND BONE SPRING SAND	10443	10443
O/G/W	THIRD BONE SPRING CARBONATE	10943	10943
O/G/W	TOP WOLFCAMP	12043	12043
O/G/W	LOWER WOLFCAMP A	12793	12793
O/G/W	ATOKA	14468	14468
O/G/W	BARNETT	15668	15668
O/G/W	MISSISSIPPI LIME	17062	17062
O/G/W	WOODFORD	17342	17342
O/G/W	DEVONIAN	17483	17483
O/G/W	FUSSELMAN	18643	18643
O/G/W	ELLENBURGER	20293	20293

New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

No PODs found.

POD Search:

POD Basin: Carlsbad

Well Tag Search:

Well Tag: [ALL]

UTMNAD83 Radius Search (in meters):

Easting (X): 628602.29 **Northing (Y):** 3548102.71 **Radius:** 1609

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

No records found.

Basin/County Search:

Basin: Carlsbad

UTMNAD83 Radius Search (in meters):

Easting (X): 628602.29 **Northing (Y):** 3548102.71 **Radius:** 1609

CARLTON BEAL, JR.
BARRY BEAL
SPENCER BEAL
KELLY BEAL
BARRY BEAL, JR.
STUART BEAL
ROBERT DAVENPORT, JR.

BTA OIL PRODUCERS, LLC
104 SOUTH PECOS STREET
MIDLAND, TEXAS 79701-5021
432-682-2753
FAX 432-683-0311

GULF COAST DISTRICT
TOTAL PLAZA
1201 LOUISIANA STREET, STE. 570
HOUSTON, TEXAS 77002
713-658-0077 FAX 713-655-0346

ROCKY MOUNTAIN DISTRICT
600 17TH STREET, STE. 2230 SOUTH
DENVER, COLORADO 80202
303-534-4404 FAX 303-534-4661

August 27, 2019

In re: Mesa 8105 SWD #2 Geologic Statement

After examining the available geologic and engineering data, including horizontal wells in the Avalon formation flanking the proposed SWD well location and 2D seismic surrounding the proposed SWD well location, no evidence was found of open faults or any hydrologic connection between the disposal zone and any underground sources of drinking water.

BTA OIL Producers, LLC

Bradley W. Jones
Chief Geophysicist

BWJ
C:\Users\mlagan\Documents\Land\Letters\Brad Jones\Mesa SWD 11-26s-32e drinking water statement docx

MESA 8105 SWD #2

1150' FNL 200' FEL

Sec. 11 T26S R32E

Lea County, NM

SURFACE OWNER & OFFSET OPERATORS

SURFACE OWNER:

Name	ADDRESS	CITY, STATE, & ZIP	Certified #
BLM	301 Dinosaur Trail	Santa Fe, NM 87508	7013 0600 0001 8498 9730

OFFSET OPERATOR:

Name	ADDRESS	CITY, STATE, & ZIP	Certified #
EOG Resources, INC	111 Bagby St. #28	Houston, TX 77002	7015 0640 0001 5098 7445

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
August 21, 2019
and ending with the issue dated
August 21, 2019.

Publisher

Sworn and subscribed to before me this
21st day of August 2019.

Business Manager

My commission expires
January 29, 2023
(Seal)

OFFICIAL SEAL
GUSSIE BLACK
Notary Public
State of New Mexico
My Commission Expires 1-29-23

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGALS

LEGAL NOTICE
AUGUST 21, 2019

BTA Oil Producers, LLC, 104 S. Pecos, Midland, TX. 79701, will file form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the Mesa 8105 SWD #2 is located 1150' FNL & 200' FEL, Unit Letter A, Section 11, T26S, R32E, Lea County, New Mexico. The formations will be Silurian/Fusselman with an open hole interval of 17,490' – 20,000'. The maximum anticipated injection rate will be 60,000 BPWD at a maximum injection pressure of 3,490 psig. Interested parties should file objections or requests for hearing with the Oil Conservation Division, 1220 South St Francis Dr, Santa Fe, New Mexico 87505, within 15 days. Inquiries regarding this application should be directed to BTA Oil Producers, LLC, Attn: Sammy Hajar, 104 S. Pecos, Midland, TX 79701.
#34606

01101299 00232354

PAM INSKEEP
BTA OIL PRODUCERS
104 SOUTH PECOS
MIDLAND, TX 79701

BTA OIL PRODUCERS, LLC

104 S. PECOS
MIDLAND, TEXAS 79701-5099
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SPENCER BEAL
KELLY BEAL
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ROBERT DAVENPORT, JR.

GULF COAST DISTRICT
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HOUSTON, TEXAS77002
713-658-0077 FAX 713-655-0346

ROCKY MOUNTAIN DISTRICT
600 17TH STREET, STE. 2230 SOUTH
DENVER, COLORADO80202
303-534-4404 FAX 303-534-4661

August 28, 2019

In re: Notification Statement

Mr. McMillan,

BTA Oil Producers, LLC ("BTA") has sent notice to the BLM, EOG Resources, INC., and the New Mexico State Land Office of our Application for Authorization to Inject for the MESA 8105 SWD #2 to be drilled at a location of 1150' FNL, & 200' FEL, Sec 11, T26S, R32E, Lea County, New Mexico.

Respectfully,

Sammy Hajar
Regulatory Analyst
BTA Oil Producers, LLC
shajar@btaoil.com
O: 432-682-3753
C: 432-934-2198

MESA 8105 SWD #2

1150' FNL 200' FEL

Sec. 11 T26S R32E

Lea County, NM

SURFACE OWNER & OFFSET OPERATORS

SURFACE OWNER:

Name	ADDRESS	CITY, STATE, & ZIP	Certified #
BLM	301 Dinosaur Trail	Santa Fe, NM 87508	7013 0600 0001 8498 9730

OFFSET OPERATOR:

Name	ADDRESS	CITY, STATE, & ZIP	Certified #
EOG Resources, INC	111 Bagby St. #28	Houston, TX 77002	7015 0640 0001 5098 7445

ALSO NOTIFIED:

Name	ADDRESS	CITY, STATE, & ZIP	Certified #
NM SLO	310 Old Santa Fe Trail	Santa Fe, NM 87501	7015 0640 0001 5098 7452

7015 0640 0001 5098 7445

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- ☐ Adult Signature Restricted Delivery $

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Street and Apt. No., or PO Box No. 111 Bagby st. #28
City, State, ZIP+4® Houston TX. 77002

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

7013 0600 0001 8498 9730

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MIDLAND TX VILLAGE STATION AUG 27 2019 — Postmark Here

Sent To BLM
Street, Apt. No., or PO Box No. 301 Dinosaur trail
City, State, ZIP+4 Santa Fe, N.M. 87508

PS Form 3800, August 2006 See Reverse for Instructions

7015 0640 0001 5098 7452

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$ 1.50

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MIDLAND, TX DOWNTOWN STA 79701 AUG 27 2019 USPS — Postmark Here

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Street and Apt. No., or PO Box No. 310 OLD SANTA FE TRAIL
City, State, ZIP+4® SANTA FE, N.M. 87501

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

SOURCE ZONE

DELAWARE

Lab ID
Sample ID 4347
Sample No

API No 3002508367
Well Name BELL LAKE UNIT 007

Location ULSTR 01 24 S 33 E Lat / Long 32.25143 -103.51924
660 N 660 E County Lea

Operator (when sampled)
Field SWD Unit 1

Sample Date Analysis Date

Sample Sourc UNKNOWN Depth (if known)
Water Typ

ph		alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity		hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	87666	resistivity_ohm_cm_temp_	
tds_mgL_180C		conductivity	
chloride_mgL	53920	conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL		bicarbonate_mgL	391
iron_mgL		sulfate_mgL	749
barium_mgL		hydroxide_mgL	
magnesium_mgL		h2s_mgL	
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	

Remarks

SOURCE ZONE

BONE SPRING

Lab ID
Sample ID 4916
Sample No

API No 3002502429
Well Name LEA UNIT 005

Location ULSTR 12 20 S 34 E
1980 S 1980 E
Lat / Long 32.58504 -103.51106
County Lea

Operator (when sampled)
Field LEA
Unit J

Sample Date
Analysis Date

Sample Sourc DST
Water Typ
Depth (if known)

ph		alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity		hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	202606	resistivity_ohm_cm_temp_	
tds_mgL_180C		conductivity	
chloride_mgL	118100	conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL		bicarbonate_mgL	5196
iron_mgL		sulfate_mgL	992
barium_mgL		hydroxide_mgL	
magnesium_mgL		h2s_mgL	
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	

Remarks

SOURCE ZONE

WOLFCAMP

		Lab ID	
		Sample ID	5688
API No	3001520138	Sample No	
Well Name	MAHUN STATE 001		
Location	ULSTR 16 22 S 22 E	Lat / Long	32.39340 -104.70979
	1800 N 1980 W	County	Eddy
Operator (when sampled)			
	Field ROCKY ARROYO	Unit	F
Sample Date	5/17/1988	Analysis Date	
	Sample Sourc DST	Depth (if known)	
	Water Typ		

ph	8.6	alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity		hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	35495	resistivity_ohm_cm_temp_	
tds_mgL_180C		conductivity	
chloride_mgL	19000	conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL		bicarbonate_mgL	830
iron_mgL		sulfate_mgL	2500
barium_mgL		hydroxide_mgL	
magnesium_mgL		h2s_mgL	
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	

Remarks

SOURCE ZONE

MORROW

Lab ID
Sample ID 2434
Sample No

API No 3002520756
Well Name CUSTER MOUNTAIN UNIT 001

Location ULSTR 09 24 S 35 E Lat / Long 32.22999 -103.37431
1980 S 1980 W County Lea

Operator (when sampled)
Field CINTA ROJA Unit K

Sample Date Analysis Date

Sample Sourc DST Depth (if known)
Water Typ

ph		alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity		hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	282741	resistivity_ohm_cm_temp_	
tds_mgL_180C		conductivity	
chloride_mgL	176800	conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL		bicarbonate_mgL	161
iron_mgL		sulfate_mgL	650
barium_mgL		hydroxide_mgL	
magnesium_mgL		h2s_mgL	
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	

Remarks

DISPOSAL ZONE

DEVONIAN

Lab ID
Sample ID 5733
Sample No

API No. 3002508483
Well Name BELL LAKE UNIT 006

Location ULSTR 06 23 S 34 E Lat / Long 32.32821 -103.50663
660 S 1980 E County Lea

Operator (when sampled)
Field BELL LAKE NORTH Unit O

Sample Date Analysis Date

Sample Source HEATER/TREATER Depth (if known)
Water Type

ph	7	alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity		hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	71078	resistivity_ohm_cm_temp_	
tds_mgL_180C		conductivity	
chloride_mgL	42200	conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL		bicarbonate_mgL	500
iron_mgL		sulfate_mgL	1000
barium_mgL		hydroxide_mgL	
magnesium_mgL		h2s_mgL	
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	

Remarks