

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

**APPLICATION OF MILESTONE  
ENVIRONMENTAL SERVICES LLC  
FOR APPROVAL OF A SALT WATER  
DISPOSAL WELL, LEA COUNTY,  
NEW MEXICO**

Case No. 20657

**APPLICATION**

Pursuant to 19.15.26.8 (A) NMAC, Milestone Environmental Services LLC ("Milestone") applies for an order approving a salt water disposal well in Lea County, New Mexico. In support of its application, Milestone states:

1. Milestone (OGRID No. 328435) proposes to drill the Beaza SWD No. 1 well in Unit H in Section 25, Township 24 South, Range 34 East, NMPM, in Lea County, New Mexico for the purpose of operating a commercial salt water disposal well.
2. Milestone seeks authorization to inject salt water into the Bell and Cherry Canyon intervals of the Delaware Mountain Group at a depth of 5,497 to 7,240 feet.
3. Milestone requests that the Division approve a maximum injection pressure of 1,100 psi.
4. A Division Form C-108 is attached hereto as Exhibit A.
5. The granting of this application will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

WHEREFORE, Milestone requests that this application be set for hearing on August 8, 2019 and that, after notice and hearing, the Division enter an order approving this application.

HINKLE SHANOR LLP



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*Counsel for Milestone Environmental Services LLC*


Case No. 20657: Application of Milestone Environmental Services, LLC for approval of a salt water disposal well, Lea County, New Mexico. Applicant seeks an order approving the proposed Beaza SWD No. 1 well, which will have a surface location in Unit H in Section 25, Township 24 South, Range 34 East, NMPM, in Lea County, New Mexico. Applicant requests authorization to inject salt water into the well for disposal in the Bell and Cherry Canyon intervals of the Delaware Mountain Group at a depth of 5,497 to 7,240 feet. Applicant further requests that the Division approve a maximum injection pressure of 1,100 psi. The well location is fourteen (14) miles nothwest of Jal, New Mexico.

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 **XX** Disposal \_\_\_\_\_ Storage  
Application qualifies for administrative approval? **XX** Yes \_\_\_\_\_ No
- II. OPERATOR: **Milestone Environmental Services LLC**  
ADDRESS: **15721 Park Row, Suite 150 Houston, Tx 77084**  
CONTACT PARTY: **Steve Bills-BDA** PHONE: **832-739-6708**
- 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. **-Attached Special Note: This section contains documentation demonstrating the proposed Injection Zone is a non-productive reservoir.**
- IV. Is this an expansion of an existing project? \_\_\_\_\_ Yes **XX** 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**
- VII. Attach data on the proposed operation, including: **-Attached**
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. **- Attached**
- IX. Describe the proposed stimulation program, if any. **-See Attached**
- \*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. **-See Attachment**
- 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. **-See Attachment**
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. **-See Attachments**
- 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: **Wayne Price- Price LLC** TITLE: **Consultant for Milestone Environmental Services LLC**  
SIGNATURE:  DATE: **Dec 19, 2018**  
E-MAIL ADDRESS: **wayneprice@a.com 505-715-2809**
- \* 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

**EXHIBIT**

**A**

### 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: *Milestone Environmental Services LLC*

WELL NAME & NUMBER: *Baeza SWD #1*

WELL LOCATION:

FOOTAGE LOCATION 160 FEL & 2480 FNL UNIT LET H SECTION 25 TOWNSHIP 24s RANGE 34e

WELLBORE SCHEMATIC Proposed

WELL CONSTRUCTION DATA- See Attached

<u>Surface Casing</u>	
Hole Size: <u>12-1/4"</u>	Casing Size: <u>9-5/8" L-80 LTC 40#</u>
Cemented with: _____ sx.	<u>or</u> _____ ft <sup>3</sup>
Top of Cement: <u>Surface</u>	Method Determined: <u>Circ to Surface</u>
<u>Intermediate Casing</u>	
Hole Size:	Casing Size:
Cemented with: _____ sx.	<u>or</u> _____ ft <sup>3</sup>
Top of Cement:	Method Determined:
<u>Production Casing</u>	
Hole Size: <u>8-1/2"</u>	Casing Size: <u>7" L-80 LTC 29#</u>
Cemented with: _____ sx.	<u>or</u> _____ ft <sup>3</sup>
Top of Cement: <u>Surface</u>	Method Determined: <u>Circ to Surface</u>
Total Depth: <u>7240'</u>	
<u>Injection Interval</u>	
<u>5497'</u> feet	to <u>7240'</u>
(Perforated or Open Hole; indicate which) <u>Perforated</u>	

**INJECTION WELL DATA SHEET**

Tubing Size: 4-1/2" L-80 LTC 11.6 #      Lining Material: L-80 Steel

Type of Packer: **Arrowset I-XS 10k mechanical packer nickle coated**

Packer Setting Depth: **5450'**

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

**Additional Data**

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

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

2. Name of the Injection Formation: **Bell and Cherry Canyon**

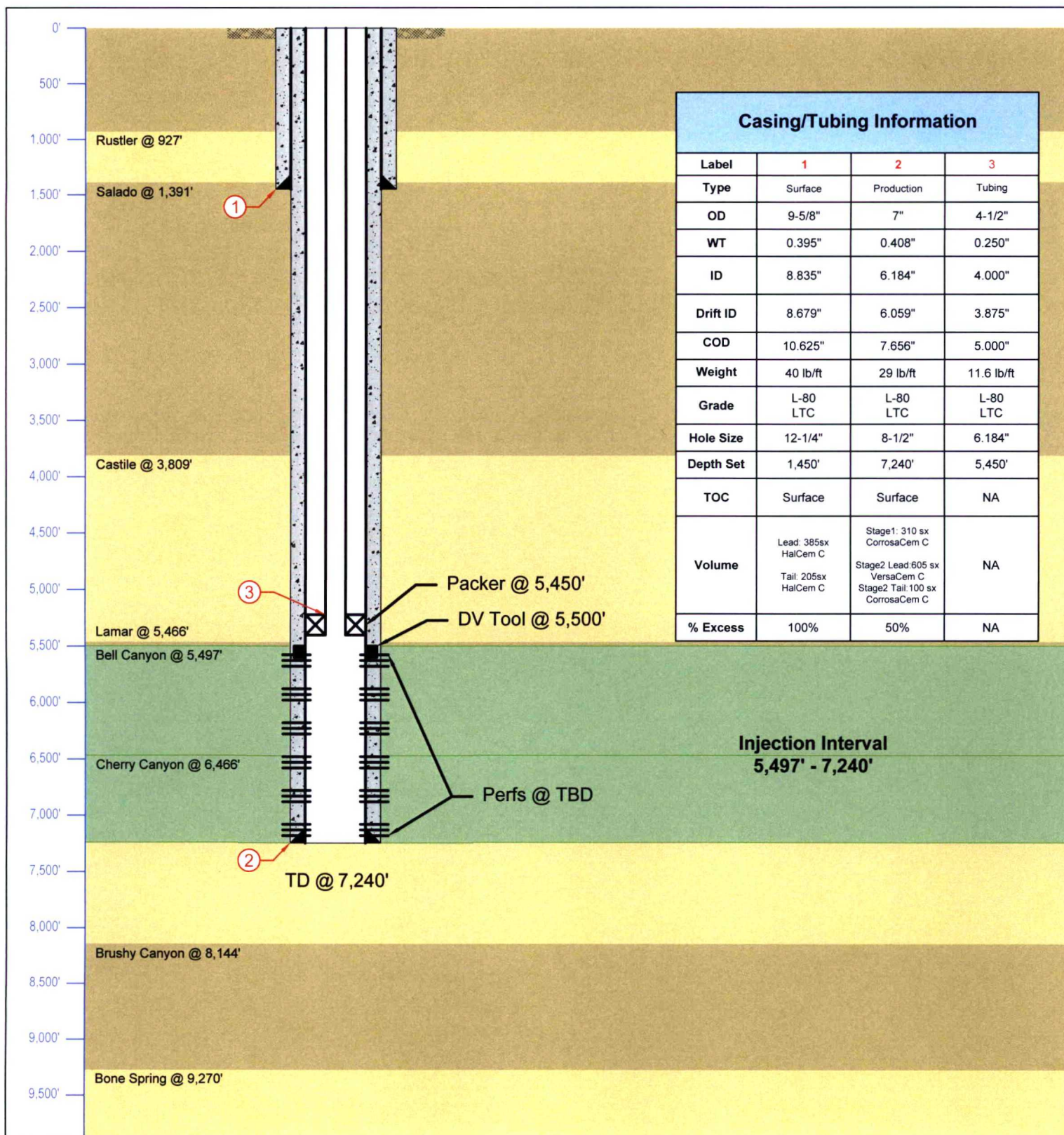
3. Name of Field or Pool (if applicable): **NA**

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.

**This well has not been drilled-Proposed**

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

**Castile formation lies above and Brushy Canyon underlies the proposed injection zone, no production noted in this area. Please refer to the following document dated Dec 13, 2018 (Lonquist & Co, LLC) titled Re: Proposed Beaza SWD No. 1-Non Productive Reservoir.**



# **LONQUIST & CO. LLC**

**PETROLEUM  
ENGINEERS**

**ENERGY  
ADVISORS**

HOUSTON | CALGARY  
AUSTIN | WICHITA | DENVER

Texas License F-9147

12912 Hill Country Blvd. Ste F-200  
Austin, Texas 78738  
Tel: 512.732.9812  
Fax: 512.732.9816

Milestone Environmental

Country: USA

Location: 160' FEL & 2,480' FNL of Unit H, Section 25, Township 24S, Range 34E

API No:

State ID No:

Drawn: WHG

Rev No: 1

# **Beaza SWD No. 1**

State/Province: New Mexico

County/Parish: Lea

District: 1 (Hobbs)

Well Type/Status: Disposal / New Drill

Project No: 1761

Date: 12/6/18

Reviewed: RH

Approved: RSC

Notes:

December 13, 2018

Mr. Steve Bills  
Business Development  
Milestone Environmental Services, LLC.  
15721 Park Row, Suite 150  
Houston, TX 77084  
(832) 739-6708

**RE: PROPOSED BEAZA SWD NO. 1 – NON PRODUCTIVE RESERVOIR**

Mr. Bills:

Milestone Environmental Services is filing an application for a commercial disposal well to inject fluid into two non-productive formations of the Delaware Mountain Group ("Delaware"), the Bell Canyon and Cherry Canyon. This well is proposed to be located in Lea County, New Mexico. A 2.5 mile area of review ("AOR") was evaluated for historical hydrocarbon production. Within this AOR, there are no records of hydrocarbon production wells producing from either the Bell Canyon or Cherry Canyon formations.

Well information from the New Mexico Oil Conservation Division and Drillinginfo shows that operators have attempted to complete wells in the Bell Canyon and Cherry Canyon, within the 2.5 mile AOR, a total of four times. All four of these attempts have resulted in dry holes. The four Delaware dry holes are labeled in red on the attached map (API numbers 29917, 28171, 21635, and 08492).

Additionally, Lonquist & Co., LLC petrophysicist, Brian Davis, completed a petrophysical analysis of the Pitchfork 36 State No. 1, which is located approximately 1.2 miles southwest of the proposed disposal well location. The Pitchfork 36 State No. 1 can be located in the attached cross section and structure maps. Mr. Davis determined the Bell Canyon and Cherry Canyon formations have "no indications of hydrocarbons". This is based on the calculated water saturation and lack of hydrocarbon "show" from the evaluated well log (see attached).

Based on the previously stated findings, the Bell Canyon and Cherry Canyon formations are not productive of oil or gas at the proposed disposal well location.

Please include this report with the original application documents.

Please let me know if you have any questions regarding the material in this report. I can be reached at (512) 600-0718 with any questions or additional needs.

Sincerely,



Will George  
Lonquist & Co, LLC  
12912 Hill Country Blvd. Ste F-200  
Austin, TX 78738  
(512) 600-0718

[illegible]

[illegible]

Symbology	URL	APR v2	APR v3	CURR OPER	REPORTED O
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-41811	3002541811.0000000000	3002541811.0000000000	CHEVRON U.S.A., INC.	CHEVRON U.S.A INC
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QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-42060	3002542060.0000000000	3002542060.0000000000	CHEVRON U.S.A., INC.	CHEVRON U.S.A INC
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OC	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-42101	3002542101.0000000000	3002542101.0000000000	CHEVRON U.S.A., INC.	CHEVRON U.S.A INC
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ON	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-42161	3002542161.0000000000	3002542161.0000000000	DEVON ENERGY CORPORATION	DEVON ENERGY CORPORATION LP
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QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-42379	3002543279.0000000000	3002543279.0000000000	COG OPERATING LLC	COG OPERATING LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44014	3002544014.0000000000	3002544014.0000000000	COG OPERATING LLC	COG OPERATING LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44013	3002544013.0000000000	3002544013.0000000000	COG OPERATING LLC	COG OPERATING LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44153	3002544153.0000000000	3002544153.0000000000	COG OPERATING LLC	COG OPERATING LLC
ON	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44016	3002544016.0000000000	3002544016.0000000000	COG OPERATING LLC	COG OPERATING LLC
ON	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-45048	3002545048.0000000000	3002545048.0000000000	COG OPERATING LLC	COG OPERATING LLC
ON	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-45051	3002545051.0000000000	3002545051.0000000000	COG OPERATING LLC	COG OPERATING LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44029	3002544029.0000000000	3002544029.0000000000	COG OPERATING LLC	COG OPERATING LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-42380	3002543280.0000000000	3002543280.0000000000	COG OPERATING LLC	COG OPERATING LLC
ON	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-42380	3002543280.0000000000	3002543280.0000000000	COG OPERATING LLC	COG OPERATING LLC
ON	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-45107	3002545107.0000000000	3002545107.0000000000	COG OPERATING LLC	COG OPERATING LLC
ON	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-45110	3002545110.0000000000	3002545110.0000000000	COG OPERATING LLC	COG OPERATING LLC
ON	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-45049	3002545049.0000000000	3002545049.0000000000	COG OPERATING LLC	COG OPERATING LLC
OP	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-08493	3002508493.0000000000	3002508493.0000000000	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL OPERATOR
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-42383	3002543283.0000000000	3002543283.0000000000	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL OPERATOR
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-29917	3002529917.0000000000	3002529917.0000000000	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL OPERATOR
OP	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-39713	3002539713.0000000000	3002539713.0000000000	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL OPERATOR
OP	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-30179	3002530179.0000000000	3002530179.0000000000	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL OPERATOR
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-28762	3002528762.0000000000	3002528762.0000000000	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL OPERATOR
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-28171	3002528171.0000000000	3002528171.0000000000	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL OPERATOR
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-42999	3002542999.0000000000	3002542999.0000000000	CENTENIAL RESOURCE PRODUCTION, LLC	CENTENIAL RESOURCE PRODUCTION, LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-43385	3002543385.0000000000	3002543385.0000000000	CENTENIAL RESOURCE PRODUCTION, LLC	CENTENIAL RESOURCE PRODUCTION, LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-43385	3002543385.0000000000	3002543385.0000000000	CENTENIAL RESOURCE PRODUCTION, LLC	CENTENIAL RESOURCE PRODUCTION, LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-43414	3002543414.0000000000	3002543414.0000000000	CENTENIAL RESOURCE PRODUCTION, LLC	CENTENIAL RESOURCE PRODUCTION, LLC
OC	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-27681	3002527681.0000000000	3002527681.0000000000	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL OPERATOR
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-28135	3002528135.0000000000	3002528135.0000000000	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL OPERATOR
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-28321	3002528321.0000000000	3002528321.0000000000	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL OPERATOR
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-28321	3002528321.0000000000	3002528321.0000000000	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL OPERATOR
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-71635	3002527163.0000000000	3002527163.0000000000	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL OPERATOR
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-28874	3002528874.0000000000	3002528874.0000000000	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL OPERATOR
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-28735	3002528735.0000000000	3002528735.0000000000	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL OPERATOR
SH	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44661	3002544661.0000000000	3002544661.0000000000	DELAWARE ENERGY, LLC	DELAWARE ENERGY, LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44212	3002544212.0000000000	3002544212.0000000000	MARATHON OIL PERMIAN LLC	MARATHON OIL PERMIAN LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44662	3002544662.0000000000	3002544662.0000000000	MARATHON OIL PERMIAN LLC	MARATHON OIL PERMIAN LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44666	3002544666.0000000000	3002544666.0000000000	MARATHON OIL PERMIAN LLC	MARATHON OIL PERMIAN LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44666	3002544666.0000000000	3002544666.0000000000	MARATHON OIL PERMIAN LLC	MARATHON OIL PERMIAN LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44686	3002544686.0000000000	3002544686.0000000000	MARATHON OIL PERMIAN LLC	MARATHON OIL PERMIAN LLC
ON	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44689	3002544689.0000000000	3002544689.0000000000	MARATHON OIL PERMIAN LLC	MARATHON OIL PERMIAN LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44662	3002544662.0000000000	3002544662.0000000000	MARATHON OIL PERMIAN LLC	MARATHON OIL PERMIAN LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44665	3002544665.0000000000	3002544665.0000000000	MARATHON OIL PERMIAN LLC	MARATHON OIL PERMIAN LLC
ON	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44686	3002544686.0000000000	3002544686.0000000000	MARATHON OIL PERMIAN LLC	MARATHON OIL PERMIAN LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-43667	3002543667.0000000000	3002543667.0000000000	MARATHON OIL PERMIAN LLC	MARATHON OIL PERMIAN LLC
ON	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44684	3002544684.0000000000	3002544684.0000000000	MARATHON OIL PERMIAN LLC	MARATHON OIL PERMIAN LLC
QA	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-44687	3002544687.0000000000	3002544687.0000000000	MARATHON OIL PERMIAN LLC	MARATHON OIL PERMIAN LLC
ON	https://www.epmnd.state.nm.us/ccd/ocpermitted/Data/WellDetails.aspx?Page=70-025-437				

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# 1/2 mile AOR

API	wellname	well_type	ulstr	ogrid	ogrid_name	status	dir_status	elevation	meas_depth	tot_depth	spud_date	plug_date	eff_date	apr_date	latitude
30-025-45108	FASCINATOR FEDERAL COM #602H	O	C-30-245-35E	229137	COG OPERATING LLC	N	H	3359	0	0	12/31/9999	12/31/9999	8/17/2018	8/7/2018	32.19517200000
30-025-45111	FASCINATOR FEDERAL COM #701H	O	C-30-245-35E	229137	COG OPERATING LLC	N	H	3345	0	0	12/31/9999	12/31/9999	8/17/2018	8/7/2018	32.19517300000
30-025-45114	FASCINATOR FEDERAL COM #704H	O	1-30-245-35E	229137	COG OPERATING LLC	N	H	3370	0	0	12/31/9999	12/31/9999	8/17/2018	8/2/2018	32.19517100000
30-025-44152	BASEBALL CAP FEDERAL COM #024H	O	O-25-245-34E	229137	COG OPERATING LLC	N	H	3382	0	0	12/31/9999	12/31/9999	10/30/2017	10/26/2017	32.18208200000
30-025-45113	FASCINATOR FEDERAL COM #703H	O	C-30-245-35E	229137	COG OPERATING LLC	N	H	3358	0	0	12/31/9999	12/31/9999	8/17/2018	8/2/2018	32.19517200000
30-025-45116	FASCINATOR FEDERAL COM #706H	O	1-30-245-35E	229137	COG OPERATING LLC	N	H	3372	0	0	12/31/9999	12/31/9999	8/17/2018	8/2/2018	32.19517000000
30-025-44030	SUPER FEE WCA #002H	O	N-25-245-34E	229137	COG OPERATING LLC	N	H	3407	0	0	12/31/9999	12/31/9999	11/13/2017	9/19/2017	32.19470800000
30-025-45109	FASCINATOR FEDERAL COM #603H	O	1-30-245-35E	229137	COG OPERATING LLC	N	H	3371	0	0	12/31/9999	12/31/9999	8/17/2018	8/7/2018	32.19517100000
30-025-45112	FASCINATOR FEDERAL COM #702H	O	C-30-245-35E	229137	COG OPERATING LLC	N	H	3346	0	0	12/31/9999	12/31/9999	8/17/2018	8/7/2018	32.19517300000
30-025-45115	FASCINATOR FEDERAL COM #705H	O	1-30-245-35E	229137	COG OPERATING LLC	N	H	3371	0	0	12/31/9999	12/31/9999	8/17/2018	8/2/2018	32.19517100000
30-025-44015	VEXING FEE WCA #002H	O	O-25-245-34E	229137	COG OPERATING LLC	N	H	3384	0	0	12/31/9999	12/31/9999	11/13/2017	9/14/2017	32.18243600000
30-025-44014	VEXING FEE WCA #001H	O	O-25-245-34E	229137	COG OPERATING LLC	N	H	3385	0	0	12/31/9999	12/31/9999	11/13/2017	9/14/2017	32.18243900000
30-025-44031	SUPER FEE WCKY #001H	O	N-25-245-34E	229137	COG OPERATING LLC	N	H	3407	0	0	12/31/9999	12/31/9999	11/13/2017	9/19/2017	32.18234400000
30-025-44153	BASEBALL CAP FEDERAL COM #026H	O	N-25-245-34E	229137	COG OPERATING LLC	N	H	3406	0	0	12/9/2017	12/31/9999	10/30/2017	10/26/2017	32.18190800000
30-025-44016	VEXING FEE WCKY #001H	O	O-25-245-34E	229137	COG OPERATING LLC	N	H	3385	0	0	12/31/9999	12/31/9999	11/13/2017	9/14/2017	32.18243900000
30-025-44029	SUPER FEE WCA #001H	O	N-25-245-34E	229137	COG OPERATING LLC	N	H	3408	0	0	12/31/9999	12/31/9999	11/13/2017	9/19/2017	32.18234400000
30-025-45107	FASCINATOR FEDERAL COM #601H	O	C-30-245-35E	229137	COG OPERATING LLC	N	H	3346	0	0	12/31/9999	12/31/9999	8/17/2018	8/7/2018	32.19517300000
30-025-45110	FASCINATOR FEDERAL COM #604H	O	1-30-245-35E	229137	COG OPERATING LLC	N	H	3372	0	0	12/31/9999	12/31/9999	8/17/2018	8/2/2018	32.19517000000
30-025-44661	MOOMAW SWD #001	S	G-25-245-34E	371195	DELAWARE ENERGY, LLC	N	V	3380	0	0	12/31/9999	12/31/9999	4/9/2018	4/9/2018	32.19122800000

longitude	district	prod id	probability	URL	API v2	API v2.1
-103.41037600000	1	[88098] WC-Q25 G-09 S243331M, WOLF.BONE	ON	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45108">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45108</a>	3002545108.0000000000	3002545108.0000000000
-103.41037600000	1	[88098] WC-Q25 G-09 S243331M, WOLF.BONE	ON	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45111">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45111</a>	3002545111.0000000000	3002545111.0000000000
-103.41199100000	1	[88098] WC-Q25 G-09 S243331M, WOLF.BONE	ON	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45114">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45114</a>	3002545114.0000000000	3002545114.0000000000
-103.41202000000	1	[88116] WC-Q25 G-09 S234021N, WOLF.CAMP	ON	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44152">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44152</a>	3002545115.0000000000	3002545115.0000000000
-103.41202000000	1	[88098] WC-Q25 G-09 S243331M, WOLF.BONE	ON	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45113">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45113</a>	3002545116.0000000000	3002545116.0000000000
-103.41202000000	1	[88116] WC-Q25 G-09 S234021N, WOLF.CAMP	ON	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44130">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44130</a>	3002544030.0000000000	3002545117.0000000000
-103.41208900000	1	[88098] WC-Q25 G-09 S243331M, WOLF.BONE	ON	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45109">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45109</a>	3002545109.0000000000	3002545109.0000000000
-103.40887200000	1	[88098] WC-Q25 G-09 S243331M, WOLF.BONE	ON	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45112">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45112</a>	3002545112.0000000000	3002545112.0000000000
-103.41218600000	1	[88098] WC-Q25 G-09 S243331M, WOLF.BONE	ON	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45115">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45115</a>	3002545115.0000000000	3002545115.0000000000
-103.41218600000	1	[88116] WC-Q25 G-09 S234021N, WOLF.CAMP	ON	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44015">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44015</a>	3002544011.0000000000	3002544011.0000000000
-103.41218600000	1	[88116] WC-Q25 G-09 S234021N, WOLF.CAMP	ON	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44014">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44014</a>	3002544011.0000000000	3002544011.0000000000
-103.42541700000	1	[88116] WC-Q25 G-09 S234021N, WOLF.CAMP	ON	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44013">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44013</a>	3002544013.0000000000	3002544013.0000000000
-103.41218600000	1	[88116] WC-Q25 G-09 S234021N, WOLF.CAMP	ON	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44016">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44016</a>	3002544016.0000000000	3002544029.0000000000
-103.40887200000	1	[88098] WC-Q25 G-09 S243331M, WOLF.BONE	ON	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44029">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44029</a>	3002545107.0000000000	3002545107.0000000000
-103.41299800000	1	[88098] WC-Q25 G-09 S243331M, WOLF.BONE	ON	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45110">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-45110</a>	3002545110.0000000000	3002545110.0000000000
-103.42256900000	1	[97869] SWD, DRYOLIAN SILURIAN	SN	<a href="https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44661">https://www.apps.emrmd.state.ar.us/food/feedpermitting/Data/WebDetails.aspx?type=30-025-44661</a>	3002544661.0000000000	3002544661.0000000000

CURR_OPER	REPORTED_O	PODH_NAME	WELL_NO	STATUS_1	PROD_TYPE	DRILL_TYPE	TOTAL_DEPT	UPPER_PERF	LOWER_PERF	FORMATION	RESERVOIR	FIELD
COG OPERATING LLC	COG OPERATING LLC	FASCINATOR FEDERAL COM	602H	INACTIVE	OIL	H	22436	0	0	WOLFBONE	WOLFBONE	WC-025 G-09 5243532M
COG OPERATING LLC	COG OPERATING LLC	FASCINATOR FEDERAL COM	701H	INACTIVE	OIL	H	22726	0	0	WOLFBONE	WOLFBONE	WC-025 G-09 5243532M
COG OPERATING LLC	COG OPERATING LLC	FASCINATOR FEDERAL COM	704H	INACTIVE	OIL	H	22833	0	0	WOLFBONE	WOLFBONE	WC-025 G-09 5243532M
COG OPERATING LLC	COG OPERATING LLC	BASEBALL CAP FEDERAL COM	024H	INACTIVE	OIL	H	22778	0	0	WOLFCAMP	WOLFCAMP	WC-025 G-09 5253402N
COG OPERATING LLC	COG OPERATING LLC	FASCINATOR FEDERAL COM	703H	INACTIVE	OIL	H	22585	0	0	WOLFBONE	WOLFBONE	WC-025 G-09 5243532M
COG OPERATING LLC	COG OPERATING LLC	FASCINATOR FEDERAL COM	706H	INACTIVE	OIL	H	22726	0	0	WOLFBONE	WOLFBONE	WC-025 G-09 5243532M
COG OPERATING LLC	COG OPERATING LLC	SUPER FEE WCA	002H	INACTIVE	OIL	H	17336	0	0	WOLFCAMP	WOLFCAMP	WC-025 G-09 5253402N
COG OPERATING LLC	COG OPERATING LLC	FASCINATOR FEDERAL COM	603H	INACTIVE	OIL	H	22593	0	0	WOLFBONE	WOLFBONE	WC-025 G-09 5243532M
COG OPERATING LLC	COG OPERATING LLC	FASCINATOR FEDERAL COM	702H	INACTIVE	OIL	H	22827	0	0	WOLFBONE	WOLFBONE	WC-025 G-09 5243532M
COG OPERATING LLC	COG OPERATING LLC	FASCINATOR FEDERAL COM	705H	INACTIVE	OIL	H	22748	0	0	WOLFBONE	WOLFBONE	WC-025 G-09 5243532M
COG OPERATING LLC	COG OPERATING LLC	VEKING FEE WCA	002H	INACTIVE	OIL	H	17368	0	0	WOLFCAMP	WOLFCAMP	WC-025 G-09 5253402N
COG OPERATING LLC	COG OPERATING LLC	VEKING FEE WCA	001H	INACTIVE	OIL	H	17367	0	0	WOLFCAMP	WOLFCAMP	WC-025 G-09 5253402N
COG OPERATING LLC	COG OPERATING LLC	SUPER FEE WCKY	001H	INACTIVE	OIL	H	16907	0	0	WOLFCAMP	WOLFCAMP	WC-025 G-09 5253402N
COG OPERATING LLC	COG OPERATING LLC	BASEBALL CAP FEDERAL COM	0	INACTIVE	OIL	H	22770	0	0	(N/A)	(N/A)	(N/A)
COG OPERATING LLC	COG OPERATING LLC	VEKING FEE WCKY	001H	INACTIVE	OIL	H	16899	0	0	WOLFCAMP	WOLFCAMP	WC-025 G-09 5253402N
COG OPERATING LLC	COG OPERATING LLC	SUPER FEE WCA	001H	INACTIVE	OIL	H	17334	0	0	WOLFCAMP	WOLFCAMP	WC-025 G-09 5253402N
COG OPERATING LLC	COG OPERATING LLC	FASCINATOR FEDERAL COM	601H	INACTIVE	OIL	H	22269	0	0	WOLFBONE	WOLFBONE	WC-025 G-09 5243532M
COG OPERATING LLC	COG OPERATING LLC	FASCINATOR FEDERAL COM	604H	INACTIVE	OIL	H	22476	0	0	WOLFBONE	WOLFBONE	WC-025 G-09 5243532M
DELAWARE ENERGY, LLC	DELAWARE ENERGY, LLC	MOOMAW SWD	1	INACTIVE	SALT	V	19200	0	0	DEVONIAN-SILURIAN	DEVONIAN-SILURIAN	SWD

BASIN	LOC_REMARK	RKB_ELEV	LONGTUD_1	LEASE_NO	LATTITUDE_1	COMP_DATE	COUNTY	SPUD_DAT_1	ELEVATIO_1
PERMIAN BASIN	200 S 1450 W	0	-103.40990550000	322259	32.19504660000		LEA (NM)		3359
PERMIAN BASIN	200 S 2310 W	0	-103.40770860000	322259	32.19504760000		LEA (NM)		3345
PERMIAN BASIN	200 S 1130 W	0	-103.41152240000	322259	32.19504560000		LEA (NM)		3370
PERMIAN BASIN	200 N 2310 E	0	-103.42112080000	319803	32.18195670000		LEA (NM)	6/24/18	3382
PERMIAN BASIN	200 S 1510 W	0	-103.40980950000	322259	32.19504660000		LEA (NM)		3358
PERMIAN BASIN	200 S 330 W	0	-103.41362230000	322259	32.19504470000		LEA (NM)		3372
PERMIAN BASIN	380 N 2290 W	0	-103.42433190000	319935	32.19458280000		LEA (NM)		3407
PERMIAN BASIN	200 S 950 W	0	-103.41161840000	322259	32.19504560000		LEA (NM)		3371
PERMIAN BASIN	200 S 1930 W	0	-103.40790260000	322259	32.19504760000		LEA (NM)		3346
PERMIAN BASIN	200 S 710 W	0	-103.41171540000	322259	32.19504560000		LEA (NM)		3371
PERMIAN BASIN	380 N 1670 E	0	-103.42095180000	319937	32.18231070000		LEA (NM)		3384
PERMIAN BASIN	380 N 2290 E	0	-103.42127680000	319937	32.18231370000		LEA (NM)		3385
PERMIAN BASIN	380 N 1980 W	0	-103.42534660000	319936	32.18221870000		LEA (NM)		3407
PERMIAN BASIN	320S 1980W	0	-103.42490360000	319803	32.18178270000		LEA (NM)	12/9/17	0
PERMIAN BASIN	380 N 1980 E	0	-103.42111280000	319938	32.18231370000		LEA (NM)		3385
PERMIAN BASIN	380 N 1670 W	0	-103.42550760000	319935	32.18221870000		LEA (NM)		3408
PERMIAN BASIN	200 S 1950 W	0	-103.40780460000	322259	32.19504760000		LEA (NM)		3346
PERMIAN BASIN	200 S 450 W	0	-103.41352730000	322259	32.19504470000		LEA (NM)		3372
PERMIAN BASIN	1646 N 2294 E	0	-103.42209820000	321170	32.19110270000		LEA (NM)		3380

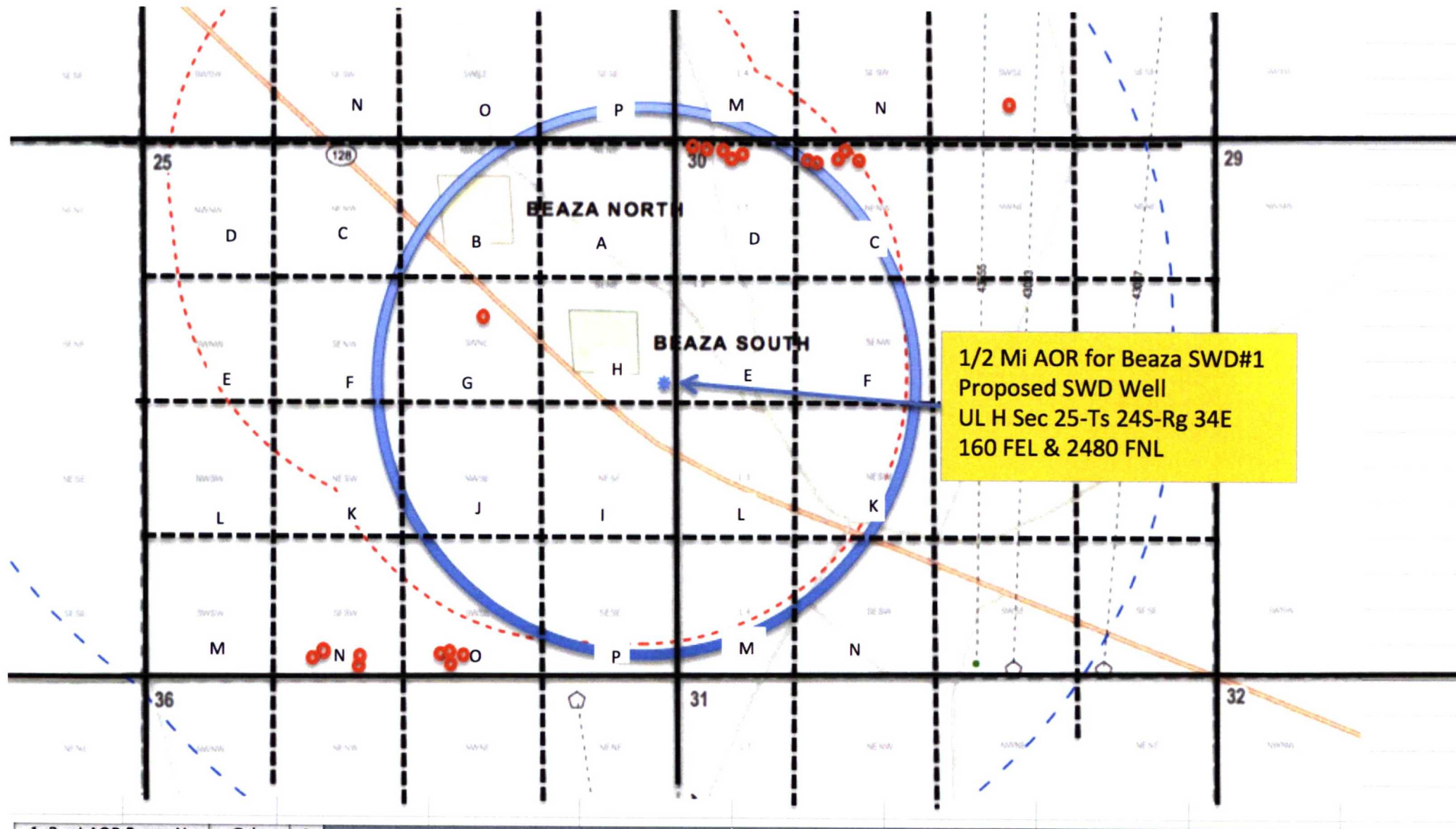
VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.-

***There are eight proposed wells within the ½ Mile Area of Review (AOR). Attached is an AOR map showing these wells and a complete tabulation sheet. The tabulation sheet provides API#, well name, company/operator, surface location, type of well, vertical or horizontal completion, surface, intermediate and production casing (size, depth, and cement).***

***There are seven oil wells that are proposed by COG (Concho) and one Delaware Energy SWD Devonian well. All of these wells will penetrate the proposed Milestone Baeza SWD#1 well injection zone.***

***All of these wells, if constructed as approved by OCD, will provide groundwater protection pursuant to the OCD rules and regulations.***

- ***½ Mile Area Of Review Map***
- ***Tabulation Sheet***



Beza SWD #1  
Wells within the 1/2 Mile AOR  
UL H-Sec 25-Ts24s-Rg34e

API#	Well Name	Operator/Company	Surface Location	Type	V=Vertical H=Horizontal	Proposed Surface Casing			Proposed Intermediate Casing			Proposed Production Casing			TOC
						Size	Depth TVD	Cement excess	Size	Depth TVD	Cement excess	Size	Depth	Cement excess	
<a href="#">3002544661</a>	MOOMAW SWD No. 001	DELAWARE ENERGY, LLC	G -25-24S-34E ( 1646 FNL & 2294 FEL)	SWD	V	13-3/8"	1000'	Circ	9-5/8"	12,700'	Circ	7-5/8"	17,000'	12,500'	
<a href="#">3002545108</a>	FASCINATOR FEDERAL COM No. 602H	COG OPERATING LLC	C -30-24S-35E ( 210 FNL & 1480 FWL)	Oil	H	13-3/8"	1170'	50%+	9-5/8"	12120'	50%+	5.5"	22436'	35%+	
<a href="#">3002545113</a>	FASCINATOR FEDERAL COM No. 703H	COG OPERATING LLC	C -30-24S-35E ( 210 FNL & 1510 FWL)	Oil	H	13-3/8"	1170'	50%+	9-5/8"	12120'	50%+	5.5"	22585'	35%+	
<a href="#">3002545109</a>	FASCINATOR FEDERAL COM No. 603H	COG OPERATING LLC	D -30-24S-35E ( 210 FNL & 950 FWL)	Oil	H	13-3/8"	1290'	50%+	9-5/8"	12140'	50%+	5.5"	22593'	35%+	
<a href="#">3002545110</a>	FASCINATOR FEDERAL COM No. 604H	COG OPERATING LLC	D -30-24S-35E ( 210 FNL & 360 FWL)	Oil	H	13-3/8"	1190'	50%+	9-5/8"	12140'	50%+	5.5"	22476'	35%+	
<a href="#">3002545114</a>	FASCINATOR FEDERAL COM No. 704H	COG OPERATING LLC	D -30-24S-35E ( 210 FNL & 980 FWL)	Oil	H	13-3/8"	1190'	50%+	9-5/8"	12140'	50%+	5.5"	22833'	35%+	
<a href="#">3002545115</a>	FASCINATOR FEDERAL COM No. 705H	COG OPERATING LLC	D -30-24S-35E ( 210 FNL & 920 FWL)	Oil	H	13-3/8"	1190'	50%+	9-5/8"	12140'	50%+	5.5"	22748'	35%+	
<a href="#">3002545116</a>	FASCINATOR FEDERAL COM No. 706H	COG OPERATING LLC	D -30-24S-35E ( 210 FNL & 330 FWL)	Oil	H	13-3/8"	1190'	50%+	9-5/8"	12140'	50%+	5.5"	22726'	35%+	

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;

*The average daily rate will depend upon activity in the area while the maximum is anticipated to be 20,000 barrels per day.*

2. Whether the system is open or closed; *Open Commercial*

3. Proposed average and maximum injection pressure;

*Average Injection pressure will be approximately 800 psig with a Maximum of 1100 psig measured at the surface.*

4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and;

*Please find attached a copy of Milestone's injection fluids. This sample was collected from Milestone's Orla SWD site located approximately 40 miles southwest of the proposed site. The Orla site is located within the Delaware Basin and disposal fluids will be very similar and compatible in nature.*

*In addition, Milestone collected a water sample from the nearby OWL Medera SWD located in UL N-Section 14-Ts24s-Rg 34e. These waters represent local produced waters from different formations and will be utilized in the disposal process. They are characterized by generally high TDS/Chloride waters with results of 123,000/71,000 mg/l respectfully. Attached is a copy of the analysis.*

*Milestone will have a quality control program in place to ensure formation compatibility issues. This will include collecting routine injection water samples to be analyzed by a third party oilfield lab.*

*Milestone wishes to point out that its proprietary treating system indeed puts emphasis on this very topic and currently is the only company with this type of advanced business model in the oil patch.*

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.).

*Delaware Mountain group water is generally high TDS and the following attachment shows two examples:*

- A. *The nearby disposal permit SW-1730 located in UL G Section 25-Ts 24s-Rg 34e had reference to the Brushy Canyon formation water for TDS/Chlorides of 304,864 mg/l and 187,440 respectfully.*
- B. *The Mesquite SWD-1264 located in Section 22-Ts25s-Rd 32e had reference to the Delaware Sand formation water for chlorides of 170,500 mg/l.*

***Attachments:***

- ***Milestone Typical Injection Water (ORLA) Analysis.***
- ***OWL Medera SWD Area Produced Water Analysis.***
- ***Copy of Brushy Canyon Formation Water Analysis.***
- ***Copy of Delaware Sand Water Analysis.***

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1812003

Date Reported:

CLIENT: Milestone Environmental Services LLC

Client Sample ID: INJ Water

Project: Orla INJ Water

Collection Date: 11/29/2018 4:30:00 PM

Lab ID: 1812003-001

Matrix: AQUEOUS

Received Date: 12/3/2018 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>SPECIFIC GRAVITY</b>							Analyst: JRR
Specific Gravity	1.062	0			1	12/4/2018 11:35:00 AM	R56055
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: MRA
Fluoride	6.5	2.0	*	mg/L	20	12/4/2018 6:00:29 PM	R56063
Chloride	63000	2500	*	mg/L	5E+	12/4/2018 6:26:13 PM	R56063
Nitrogen, Nitrite (As N)	ND	20		mg/L	200	12/5/2018 1:15:57 PM	R56119
Bromide	290	10		mg/L	100	12/4/2018 6:13:21 PM	R56063
Nitrogen, Nitrate (As N)	ND	2.0	H	mg/L	20	12/4/2018 6:00:29 PM	R56063
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	12/4/2018 6:00:29 PM	R56063
Sulfate	2100	50	*	mg/L	100	12/4/2018 6:13:21 PM	R56063
<b>SM2510B: SPECIFIC CONDUCTANCE</b>							Analyst: JRR
Conductivity	140000	250		µmhos/c	50	12/5/2018 3:56:39 PM	R56121
<b>SM2320B: ALKALINITY</b>							Analyst: JRR
Bicarbonate (As CaCO <sub>3</sub> )	ND	50.00		mg/L Ca	2.5	12/5/2018 4:00:40 PM	R56121
Carbonate (As CaCO <sub>3</sub> )	394.6	5.000		mg/L Ca	2.5	12/5/2018 4:00:40 PM	R56121
Total Alkalinity (as CaCO <sub>3</sub> )	2234	50.00		mg/L Ca	2.5	12/5/2018 4:00:40 PM	R56121
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: KS
Total Dissolved Solids	87800	200	*D	mg/L	1	12/5/2018 6:53:00 PM	41887
<b>SM4500-H+B / 9040C: PH</b>							Analyst: JRR
pH	11.7		*H	pH units	1	12/3/2018 9:27:47 PM	R56067
<b>SM 2540D: TSS</b>							Analyst: KS
Suspended Solids	35000	400	D	mg/L	1	12/4/2018 12:23:00 PM	41856
<b>EPA METHOD 200.7: TOTAL METALS</b>							Analyst: ELS
Calcium	1900	50		mg/L	5	12/11/2018 6:16:14 PM	41884
Magnesium	120	10		mg/L	1	12/11/2018 6:13:56 PM	41884
Potassium	93	10		mg/L	1	12/11/2018 6:13:56 PM	41884
Sodium	27000	500		mg/L	50	12/13/2018 2:43:40 PM	42016
<b>EPA METHOD 8015M/D: DIESEL RANGE</b>							Analyst: lrm
Diesel Range Organics (DRO)	33	1.0		mg/L	1	12/5/2018 9:14:57 PM	41893
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	12/5/2018 9:14:57 PM	41893
Surr: DNOP	115	76.7-135		%Rec	1	12/5/2018 9:14:57 PM	41893

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

**Analytical Report**

Lab Order 1809B39

Date Reported: 10/11/2018

**Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Milestone Environmental Services LLC**Client Sample ID:** Medera OWL SWD Raw Produc**Project:** 128 Slurry Disposal**Collection Date:** 9/14/2018 11:40:00 AM**Lab ID:** 1809B39-002**Matrix:** AQUEOUS**Received Date:** 9/18/2018 12:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>SPECIFIC GRAVITY</b>							Analyst: JRR
Specific Gravity	1.074	0			1	9/20/2018 1:32:00 PM	R54288
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: MRA
Fluoride	ND	5.0		mg/L	50	10/3/2018 7:44:21 PM	R54627
Chloride	71000	5000	*	mg/L	1E	10/5/2018 9:49:04 PM	R54696
Nitrogen, Nitrite (As N)	ND	50	H	mg/L	500	10/4/2018 2:58:19 PM	R54664
Bromide	710	5.0		mg/L	50	10/3/2018 7:44:21 PM	R54627
Nitrogen, Nitrate (As N)	ND	5.0	H	mg/L	50	10/3/2018 7:44:21 PM	R54627
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	10/1/2018 10:59:42 PM	R54566
Sulfate	2100	250	*	mg/L	500	10/4/2018 2:58:19 PM	R54664
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: KS
Total Dissolved Solids	123000	200	*D	mg/L	1	9/23/2018 4:30:00 PM	40479
<b>SM4500-H+B / 9040C: PH</b>							Analyst: JRR
pH	7.23		H	pH units	1	9/20/2018 7:40:25 PM	R54350
<b>SM 2540D: TSS</b>							Analyst: KS
Suspended Solids	220	20	D	mg/L	1	9/23/2018 5:18:00 PM	40504
<b>EPA METHOD 200.7: METALS</b>							Analyst: pmf
Calcium	2900	50		mg/L	50	10/4/2018 10:18:42 PM	40563
Magnesium	350	5.0		mg/L	5	10/3/2018 2:00:44 AM	40563
Potassium	750	10		mg/L	10	10/3/2018 2:18:57 AM	40563
Sodium	40000	500		mg/L	500	10/4/2018 10:20:40 PM	40563



PRODUCTION DEPARTMENT

MILLER CHEMICALS, INC.

Post Office Box 288  
Artesia, N.M. 88211-0288  
(505) 746-1919 Artesia Office  
(505) 392-2898 Hobbs Office  
(505) 746-1918 Fax  
mci@plateau.net

Delaware Brushy Canyon

WATER ANALYSIS REPORT

Company :  
Address :  
Lease : LOVING "AIB"  
Well : #13  
Sample Pt. : WELLHEAD  
Date : MARCH 17, 2008  
Date Sampled : MARCH 17, 2008  
Analysis No. :

ANALYSIS		mg/L	* meq/L
1. pH	6.0		
2. H2S	0		
3. Specific Gravity	1.070		
4. Total Dissolved Solids		304684.9	
5. Suspended Solids		NR	
6. Dissolved Oxygen		NR	
7. Dissolved CO2		NR	
8. Oil In Water		NR	
9. Phenolphthalein Alkalinity (CaCO3)			
10. Methyl Orange Alkalinity (CaCO3)			
11. Bicarbonate	HCO3	927.0	HCO3 15.2
12. Chloride	Cl	187440.0	Cl 3287.4
13. Sulfate	SO4	500.0	SO4 10.6
14. Calcium	Ca	37200.0	Ca 1856.3
15. Magnesium	Mg	996.3	Mg 82.0
16. Sodium (calculated)	Na	77586.6	Na 3374.8
17. Iron	Fe	35.0	
18. Barium	Ba	NR	
19. Strontium	Sr	NR	
20. Total Hardness (CaCO3)		97000.0	

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt X meq/L	= mg/L
18561 *Ca <----- *HCO3 151	Ca(HCO3)2	81.0	15.2 1231
821 *Mg -----> *SO4 101	CaSO4	69.1	10.6 709
33751 *Na -----> *Cl 32871	CaCl2	99.5	1830.7 101584
	Mg(HCO3)2	73.2	
	MgSO4	60.2	
	MgCl2	47.6	82.0 3902
Saturation Values Dist. Water 20 C	NaHCO3	84.0	
CaCO3 13 mg/L	Na2SO4	71.0	
CaSO4 • 2H2O 2090 mg/L	NaCl	58.4	3374.8 197223
NaSO4 2.4 mg/L			

REMARKS:

## Water Samples for Well COTTON DRAW UNIT 004

API = 3002508221

Formation = DEL

Field = PADUCA

### Current Water Production Information

#### Instructions:

Click 

For general information about this sample.

Click 

For scale calculation pages (Stiff-Davis or Odco Tomson methods).

Click 




To select this water sample for water mixing. It will lead to the main page, and add the sample ID to the mixing table.

Click 664

Click the hyperlinked sample number to make a .csv for that sample, or select several check boxes and click Submit for multiple samples

The ions are in (mg/L) units.

	Sample ID	T	R	S	SO4	CL	CO3	HCO3	K	Na	Ca	Mg
--	-----------	---	---	---	-----	----	-----	------	---	----	----	----

<input type="checkbox"/>	4293											
	  	25S	32E	22	552	170500	null	198	null	null	null	null

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.

*The proposed disposal interval is in the Bell and Cherry Canyon formations of the Delaware Mountain Group between 5497'-7240'. The injection interval is overlaid by 4106 feet of the Salado and Castille salt beds, and a small Lamar Limestone section approximately 31 feet thick.*

*Directly under the injection interval is 904 feet of the remaining part of the Cherry Canyon formation and 1126 feet of the Brushy Canyon formation, which overlies the first Bone Spring formation.*

*The Delaware Mountain Group is comprised of sands that are usually very fine to fine grained arkosic to subarkosic [Montgomery, et al, 1999] and are complexly interbedded with siltstone and low permeability sandstones not of reservoir quality [Broadhead, et al, 2004].*

*The intervals are separated into three sections, from top to bottom, are the Bell Canyon, Cherry Canyon and Brushy Canyon intervals. The gross thickness in this area is approximately ~3773 ft. Porosity ranges from 12-25% and permeability from 1 to 5 md.*

*Baeza SWD#1 UL H-Sec 25-Ts24s-Rg34e*

*Significant formation tops are as follows:*

*Rustler- 927'*

*Salado Salt - 1391'*

*Castille Salt- 3809'*

*Lamar Limestone 5466'*

*Bell Canyon- 5497'*

*Cherry Canyon- 6466'*

*Brush Canyon- 8144'*

*Bone Spring- 9270'*

*The Delaware Basin includes four major fresh water (i.e. protectable) aquifers: Capitan aquifer, Rustler Formation, Santa Rosa Sandstone (Dockum Group), and aquifers in the Cenozoic alluvium.*

*The proposed site is located approximately 4-5 miles west of the Capitan Basinal boundry. Evaluation of logs did not reveal any presence of the reef or fingers associated with the reef in this area.*

*The Rustler formation overlies the Salado salt and generally has non-protectable water in this area. However, some Rustler wells have produced water for domestic livestock. The casing program (water protection string) will be installed thru the Rustler and set in top of the salt.*

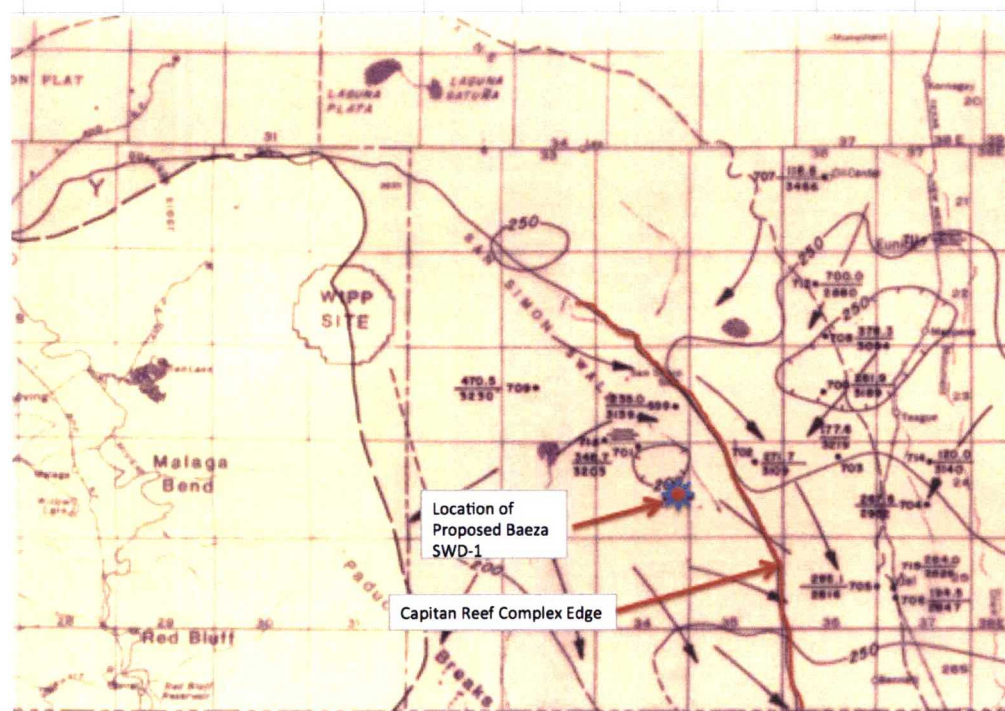
*The Santa Rosa Sandstone of the Dockum Group is the principle aquifer in this area. It contains relative low TDS water in places, and is considered protectable. According to Nicholson-Clebsch (Groundwater Map of Southern NM-Plate 2) The Madera Ranch Water well identified in the AOR is producing out of this formation. The depth to water is 155 feet below the surface.*

*The shallow Cenozoic alluvium at the proposed site does not contain saturated conditions.*

*Also, there are no known fresh water zones (i.e water less than TDS of 10,000 mg/l ) underlying the proposed injection zone.*

*Existing OCD (well records) Mud logs and Electric logs were used to confirm the estimated tops and depths of the aforementioned formations. In addition, well logs will be run to confirm the data.*

*Attached herein is a USGS Plate #4 showing the extent of the Santa Rosa Water aquifer and the proposed injection well in proximity to the Capitan Reef Complex.*



# EXPLANATION

--- APPROXIMATE POSITION OF EXTREME SHELFWARD EDGE OF CAPITAN REEF COMPLEX.

--- BASINAL EDGE OF CAPITAN REEF COMPLEX--Dashed where approximately located.

--- 250 --- LINE OF EQUAL THICKNESS OF SANTA ROSA SANDSTONE--Dashed where approximately located. Interval 50 feet.

WELL AND IDENTIFICATION NUMBER--Upper number is water level below land surface, in feet. Lower number is altitude of water level, in feet. R indicates reported measurement. Datum is sea level.

→ GENERAL DIRECTION OF GROUND-WATER FLOW IN THE SANTA ROSA SANDSTONE--Arrows represent regional interpretations and do not necessarily fit individual control points.

APPROXIMATE AREA OF THE SANTA ROSA SANDSTONE.

IX. Describe the proposed stimulation program, if any;

***Minimum of 1000 barrels 20% HCL acid job or HF acid with flow thru packer. In addition, upon advice from stimulating company, other products, such as polymers, surfactants, biocides, corrosion and scaling inhibitors or sequestering agents may be utilized. This will be spelled out on the original drilling permit and subsequent C-103's and C-105 well completion reports.***

X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

***The proposed well has not been drilled. Milestone will run a Mud and Gamma/Neutron log to confirm the estimated tops of the different formations from surface to maximum proposed depth.***

## Section XI

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.

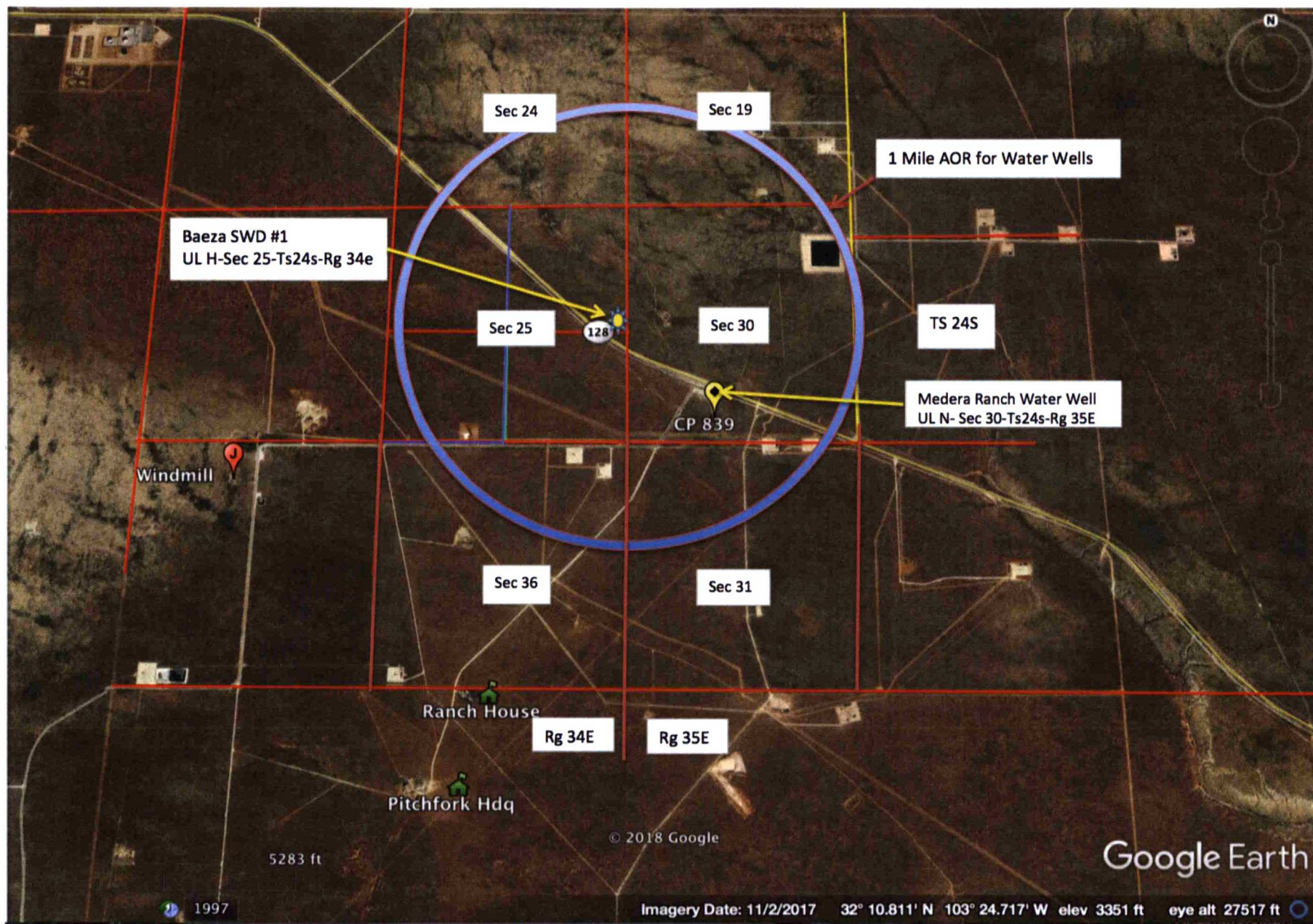
***Milestone performed a field survey and reviewed water well records from the NM State Engineers office. (NMOSE)***

***The only fresh water well found in a one-mile area of review of the proposed SWD well, was the Medera Ranch water well identified by the OSE as CP-839 located in UL N-Sec 30-Ts24s-Rg 35e. The depth of the water is reported at 155 feet below ground level.***

***Attached is an AOR Map, OSE Records for a one-mile radius around the proposed well and a water analysis from the Madera Well.***

-

- One-Mile Area of Review of Water Wells Map.
- One-Mile Area of Review NMOSE Records.
- Water Analysis from the Madera Water Well CP-839.





## New Mexico Office of the State Engineer

# Water Column/Average Depth to Water

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

(R=POD has been replaced,

O=orphaned,


C=the file is closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
CP 00839 POD1		CP	LE	4	3	30	24S	35E		650017	3561833*		175	

Average Depth to Water:

--

Minimum Depth:

--

Maximum Depth:

--

**Record Count:** 1

### Basin/County Search:

**Basin:** Capitan

### PLSS Search:

**Section(s):** 19, 30, 31

**Township:** 24S

**Range:** 35E

\*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.

11/20/18 4:11 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



## New Mexico Office of the State Engineer

# Water Column/Average Depth to Water

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

(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

### Basin/County Search:

**Basin:** Capitan

### PLSS Search:

**Section(s):** 24, 25, 36      **Township:** 24S      **Range:** 34E

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.

11/20/18 4:09 PM

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1809B39

Date Reported: 10/11/2018

**CLIENT:** Milestone Environmental Services LLC

**Client Sample ID:** WW-CP-839

**Project:** 128 Slurry Disposal

**Collection Date:** 9/14/2018 10:55:00 AM

**Lab ID:** 1809B39-001

**Matrix:** AQUEOUS

**Received Date:** 9/18/2018 12:25:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>SPECIFIC GRAVITY</b>							Analyst: JRR
Specific Gravity	0.9943	0			1	9/20/2018 1:32:00 PM	R54288
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: MRA
Fluoride	2.2	0.10		mg/L	1	10/1/2018 10:21:08 PM	R54566
Chloride	24	10		mg/L	20	10/1/2018 10:34:00 PM	R54566
Nitrogen, Nitrite (As N)	ND	0.10	H	mg/L	1	10/1/2018 10:21:08 PM	R54566
Bromide	0.18	0.10		mg/L	1	10/1/2018 10:21:08 PM	R54566
Nitrogen, Nitrate (As N)	1.9	0.10	H	mg/L	1	10/1/2018 10:21:08 PM	R54566
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/1/2018 10:21:08 PM	R54566
Sulfate	81	10		mg/L	20	10/1/2018 10:34:00 PM	R54566
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: KS
Total Dissolved Solids	384	20.0		mg/L	1	9/23/2018 4:30:00 PM	40479
<b>SM4500-H+B / 9040C: PH</b>							Analyst: JRR
pH	8.16		H	pH units	1	9/25/2018 11:14:51 AM	R54446
<b>SM 2540D: TSS</b>							Analyst: KS
Suspended Solids	20	4.0		mg/L	1	9/23/2018 5:18:00 PM	40504
<b>EPA METHOD 200.7: METALS</b>							Analyst: pmf
Calcium	42	1.0		mg/L	1	10/3/2018 1:34:38 AM	40563
Magnesium	28	1.0		mg/L	1	10/3/2018 1:34:38 AM	40563
Potassium	3.7	1.0		mg/L	1	10/3/2018 1:34:38 AM	40563
Sodium	59	5.0		mg/L	5	10/4/2018 10:13:01 PM	40563

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.

***Milestone Environmental Services, LLC hired two consultants, Wayne Price-Price LLC and Lonquist & Co. LLC to investigate the area geology and engineering data and found no evidence of open faults, or any other hydrologic connection between the disposal zone and any underground sources of drinking water.***

***This determination was made in part, by reviewing public accessible fault maps, looking at the information provided by Delaware Energy in its application for the Moomaw SWD-1 (API# 30-025-44661), and creating a cross-section of the area using available well logs.***

***Milestone hereby certifies this condition by the signature on the application.***

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

***Attached herein is the Public Notice and Affidavit that was published in the Lovington Leader, Lovington NM County Seat of Lea County, NM.***

***A search of available public records was conducted to determine affected parties to be notified. Attached is a lease map with ½ mile AOR and a copy of the certified notification letter sent to all affected parties.***

***Attached herein is a copy of the certified mail receipts sent to surface owner, all offset operators, leaseholder or mineral interest.***

***The return receipt "Green Cards" will be forwarded to OCD.***

**Public Notice for the Lovington Leader.-Amended**

Milestone Environmental Services LLC, 15721 Park Row, Suite 150 Houston, TX 77084, has filed a form C-108 (Application for Authorization to inject) with the Oil Conservation Division seeking administrative approval to drill and utilize a new well as a Salt Water Disposal well.

The proposed Baeza SWD #1 will be located on private land, 160 FEL and 2480 FNL in Unit Letter H, Section 25, Township 24s-Range 34e, Lea County, New Mexico. The well will dispose of fluids generated from oil and gas well drilling, completion and production operations.

The proposed injection zone is the combined Bell and Cherry Canyon formations of the Delaware Mountain Group, at an interval between 5497-7240 feet below the surface at a maximum rate of 20,000 barrels per day with a maximum pressure of 1100 psi.

The only groundwater in the area can be found at approximately ½ mile away at a depth of 155 feet below the surface.

Interested parties may file objections or request for hearing with the Oil Conservation Division, 1220 S. Saint Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

Contact Steve Bills of Milestone Environmental Services LLC, Business Development Manager, at the above Milestone Environmental Services LLC address, or by calling 832-739-6708 if additional information is required.

# CLASSIFIEDS

## For Rent

**For Rent**  
1532 West Birch  
3 bedroom,  
2 bath,  
1 car garage,  
fenced yard.  
575-408-9125



**In Christ's Love,  
Everyone is Someone**  
**Buena Vista  
The Cedars  
Senior  
Apartments**  
62+  
Affordable Housing  
Efficiency  
One Bedroom Units  
Utilities  
Accessible Units  
**Good Samaritan**  
Affordable  
Housing  
397-6338

## RV Spaces

**Buena Vida  
RV Park**  
Lovington  
Conveniently Located  
in the middle of  
town Jefferson & N.  
East  
or  
Love & Ave. H  
CALL  
(575)390-3317  
(575)390-3342  
Full hookups includes Elec-  
trical, Sewer & Water.  
30 amp & 50 amp  
units available.



**ARE LOCAL SHOPPERS!**

## Miscellaneous

I, Ivan White, am not responsible for any debt incurred by Carrie Jo Lee White. -#20MIS

## Help Wanted

Farm/ranch help wanted in Hobbs, NM. Work includes a variety of tasks: working cattle, cutting hay, harvesting pecans. Good pay, housing and health insurance. Send resume to Snyder Ranches, PO Box 2158, Hobbs, NM 88241-2158 or ranches.snyder@gmail.com



## Positions Available

Police Officers- Police Department  
Firefighters- Fire Department  
EMS- Fire Department  
Truck Driver- Street Department

Pick up application  
At City Hall  
214 S. Love Street  
Lovington, N.M.

[www.lovington.org](http://www.lovington.org)  
**EQUAL OPPORTUNITY  
EMPLOYER**  
**A.D.A. COMPLIANCE**



## CAREER OPPORTUNITIES

Seminole Hospital District is seeking to hire Registered Nurses for Memorial Hospital and Memorial Home Health & Hospice in Seminole, Texas

## REGISTERED NURSE Labor & Delivery

Full time with great benefits, great working environment with quality staff. One year experience in Med/Surg and ER/Trauma in addition to Labor & Delivery is preferred. NRP is required. Nurse License Compact (nLIC) or Current Texas State License as a Registered Nurse required.

## REGISTERED NURSE Home Health/Hospice

Full time with great benefits, great working environment with quality staff. One year experience as a Registered Nurse in a clinical care setting preferred. Home Health/Hospice preferred. Nurse License Compact (nLIC) or Current Texas State License as a Registered Nurse required.

**APPLY ONLINE TODAY!**  
[www.seminolehospitaldistrict.com](http://www.seminolehospitaldistrict.com)  
Equal Opportunity Employer

## Legal Notice

### Amended Public Notice

Milestone Environmental Services LLC, 15721 Park Row, Suite 150 Houston, TX 77084, has filed a form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking administrative approval to drill and utilize a new well as a Salt Water Disposal well.

The proposed Baeza SWD #1 will be located on private land, 160 FEL and 2480 FNL in Unit Letter H, Section 25, Township 24S-Range 34E, Lea County, New Mexico. The well will dispose of fluids generated from oil and gas well drilling, completion and production operations.

The proposed injection zone is the combined Bell and Cherry Canyon formations of the Delaware Mountain Group, at an interval between 5497'-7240 feet below the surface at a maximum rate of 20,000 barrels per day with a maximum pressure of 1100 psi.

The only groundwater in the area can be found at approximately 1/2 mile away at a depth of 155 feet below the surface.

Interested parties may file objections or request for hearing with the Oil Conservation Division, 1220 S. Saint Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

Contact Steve Bills of Milestone Environmental Services LLC, Business Development Manager, at the above Milestone Environmental Services LLC address, or by calling 832-739-6708 if additional information is required.

Published in the Lovington Leader December 13, 2018

## Help Wanted

Nor-Lea Hospital District is searching for quality people to fill the following positions:

Apply at [www.nor-lea.org/careers](http://www.nor-lea.org/careers)

Full Time Maintenance Position  
Full Time Certified Pharmacy Tech Position  
Great Pay and Benefits!!



## New Mexico Junior College

### EMPLOYMENT OPPORTUNITIES

Full Time  
Professor of Education  
Resident Hall Supervisor

For more information about qualifications, requirements, and to submit an application online visit our website at [www.nmjcc.edu](http://www.nmjcc.edu)

### EQUAL OPPORTUNITY EMPLOYER

Human Resources Department  
Phone: 575-492-2787  
Email: [moarcia@nmjcc.edu](mailto:moarcia@nmjcc.edu)

### Farmworker: 9 temporary positions.

02/07/2019 thru 11/15/2019

Drive tractors and operate large farm equipment to till soil, plant, & harvest crops. Apply fertilizer & operate sprayer. Drive semi-trailer trucks to transport product to storage elevators. Perform maintenance on irrigation equipment 6 mos. experience. Must have or be able to obtain driver's license within 30 days after hire. Increase or bonus may be possible depending on experience and merit. 48 hr/wk., \$13.64 per/hr., increase/bonus possible based on experience & performance, free housing, 3/4 Work period guaranteed. Tools & Equip. Provided. Transportation to and from place of recruitment will be paid upon completion of 50% of work contract. Job location is at, ILS Farm Partnership, Great Bend, KS. Apply for this job at Kansas Works 1025 Main Street Great Bend, KS 620-793-5445 with job order# 10834823 or nearest workforce office with a copy of this ad.

## Legal Notices

### LEGAL NOTICE

The LEA COUNTY MEMORIAL COMMITTEE will hold a REGULAR MEETING on MONDAY, DECEMBER 17, 2018 AT 5:30 P.M. AT THE LEA COUNTY ANNEX BUILDING, 1019 E. BENDER, HOBBS, NM.

A copy of the agenda can be obtained from the Lea County Website [www.leacounty.net](http://www.leacounty.net) or the County Manager's Office (575-396-8610) seven(7) (72) hours prior to the meeting. If you are an individual with a disability who is in need of a reader, amplifier, qualified sign language interpreter, or any other form of auxiliary aid or service to attend or participate in the hearing or meeting, please contact the Lea County Manager's Office at the Lea County Courthouse in Lovington, New Mexico, at least one week prior to the meeting or as soon as possible. Public documents, including the agenda and minutes, can be provided in various accessible formats. Please contact the Lea County Manager's Office at the Lea County Courthouse if a summary or other type of accessible format is needed.

**APPLY ONLINE TODAY!**  
[www.seminolehospitaldistrict.com](http://www.seminolehospitaldistrict.com)  
Equal Opportunity Employer

### LEGAL NOTICE

FIFTH JUDICIAL DISTRICT COURT COUNTY OF LEA STATE OF NEW MEXICO

THE ESTATE OF ZELMA R. TEAGUE, Plaintiff,

VS.

LEWIS JOHN MILL-SAP III et al Defendants.

NO D-506-CV-2018-01618

SANCHEZ

NOTICE OF SUIT PENDING.

STATE OF NEW MEXICO TO:

The UNKNOWN HEIRS OF GEORGE W. TEAGUE and all unknown claimants of the Plaintiff.

YOU AND EACH OF YOU are hereby notified that there is now in

### LEGAL NOTICE

the District Court of Lea County, New Mexico.

Cause Number NO. D-506-CV-2018-01618 on the Civil Docket of said Court, The action wherein The Estate of Zelma R. Teague, is the Plaintiff and each of you are the Defendants and wherein Plaintiff seeks to obtain constructive service of process upon you.

The general object of this action is the quieting of the title of the following described real estate in Lea County, New Mexico:

Two (2), J.L. Reed Addition Unit One, to the City of Lovington, Lea County, New Mexico

Lot Three (3), Block Two (2), J.L. Reed Addition Unit One, to the City of Lovington, Lea County, New Mexico

YOU and each of you are further notified that unless you enter your appearance in this case on or before January 14, 2019 judgment will be rendered against you and each of you by default and the relief prayed for in the Complaint for Quiet Title will be granted. Plaintiff's attorneys are Templeman and Crutchfield, 113 East Washington Avenue, Lovington, New Mexico.

Witness the hand and seal of the District Court of Lea County, New Mexico on the 14th day of November, 2018.

NELDA CUELLAR District Court Clerk

By: Sandy Long Deputy

Published in the Lovington Leader November 22, 29, December 6 and 13, 2018

LEGAL NOTICE

STATE OF NEW MEXICO

THE NEW MEXICO JUNIOR COLLEGE BOARD will hold a Regular Meeting on Thursday, December 20, 2018 at 1:30 P.M. at the Zia Board Room, Pannell Library on the campus of New Mexico Junior College, 1 Thurber Circle, Hobbs, New Mexico. A copy of the agenda can be ob-

Nor-Lea Hospital District is searching for quality people to fill the following positions:

Apply at [www.nor-lea.org/careers](http://www.nor-lea.org/careers)

Medical Technologist needed for Critical Access medical facility.  
Mail to Nor-Lea Hospital District, 1600 Main St, Lovington, NM 88260.  
Attention Human Resources



### HORTICULTURE

Bonnie Plants, Inc., Howe, OK now hiring 11 temporary Greenhouse Laborers to work in Le Flore County, OK from 1/15/2019 to 6/1/2019. Hourly wage of \$11.87. Perform manual labor to transplant and cultivate vegetables and herbs within an assembly line. Operate equipment and machinery. Walk, sit, stand on concrete or other surfaces, push and pull carts, bend, stoop and crouch for long periods of time. Use of repetitive hand and finger movements. Work outside in inclement weather including hot, cold, wet, and/or humid conditions for extensive periods of time. Lift up to 60 lbs. Three months agricultural work experience required. Three quarters of an average of 40 hrs/wk guaranteed. Tools, supplies and equipment provided at no cost. Housing provided at no cost if outside commuting area. If applicable, transportation and subsistence expense to the job will be paid upon completion of 50% of the employment period, or earlier. Apply for this job by reporting to the nearest SWA in the state in which this ad appeared or contact the Workforce Solutions/Texasoma, 900 North Grand Avenue Suite 103, Gainseville, TX 76240-3522, (940) 665-1121, JO#TX3635458.

### HORTICULTURE

Bonnie Plants, Inc., Whitesboro, TX now hiring 10 temporary Greenhouse Laborers to work in Cooke County, TX from 1/20/2019 to 6/10/2019. Hourly wage of \$11.87. Manually transplant or plant tomato, strawberry, pepper, and cole crop plants, herbs and seeds. Operate equipment to move, load and unload greenhouse grown plants within the greenhouse growing area. Walk, sit, stand on concrete or other surfaces, push and pull carts, bend, stoop, and crouch for long periods of time. Use of repetitive hand and finger movement. Work outside and inside in inclement weather including hot, cold, wet and/or humid conditions. Lift, carry and load up to 50 lbs. Three months of agricultural work experience required. Three quarters of an average of 40 hrs/wk guaranteed. Tools, supplies and equipment provided at no cost. Housing provided at no cost if outside commuting area. If applicable, transportation and subsistence expense to the job will be paid upon completion of 50% of the employment period, or earlier. Apply for this job by reporting to the nearest SWA in the state in which this ad appeared or contact the Workforce Solutions/Texasoma, 900 North Grand Avenue Suite 103, Gainseville, TX 76240-3522, (940) 665-1121, JO#TX3635458.

### LEGAL NOTICE

DECEASED, OR IN THE MATTER BEING LITIGATED IN THE HEREINAFTER MENTIONED HEARING.

Hearing on the Petition filed by the undersigned proposed personal representative, which is hereby given by publication, once each week, for three consecutive weeks.

Pursuant to 45-1-401, N.M.S.A., 1978, notice of the time and place of hearing on said Petition is hereby given by publication, once each week, for three consecutive weeks.

WITNESS our hands and the seal of this Court.

DATED: December 06, 2018.

Nelda Cuellar CLERK OF THE DISTRICT COURT

By Cory Hagedorn Deputy

(SEAL)

Robert W. Webb, Petitioner and Proposed Personal Representative of the Estate of Robert D. Webb, Deceased

JOEL CARSON II LAW OFFICES LLC

By: Joel M. Carson II P.O. Box 1720 Artesia, New Mexico 88211-1720

Attorneys for Petitioner, Robert W. Webb

Published in the Lovington Leader December 13, 20, and 27, 2018.

LEGAL NOTICE

FIFTH JUDICIAL DISTRICT COURT COUNTY OF LEA STATE OF NEW MEXICO

THE ESTATE OF ROBERT D. WEBB, DECEASED

IN THE MATTER OF THE ESTATE OF ROBERT D. WEBB, DECEASED

NO. D-506-PB-2018-00120

NOTICE OF HEARING BY PUBLICATION

THE STATE OF NEW MEXICO TO: UNKNOWN HEIRS OF ROBERT D. WEBB, DECEASED, AND ALL UNKNOWN PERSONS WHO HAVE OR CLAIM ANY INTEREST IN THE ESTATE OF ROBERT D. WEBB,


# Affidavit of Publication

STATE OF NEW MEXICO     )  
  ) ss.  
COUNTY OF LEA            )

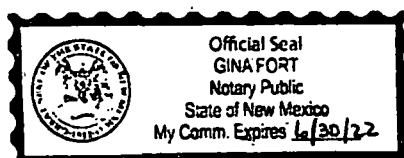
Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Manager of THE LOVINGTON LEADER, a once a week newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled Legal Notice was published in a regular and entire issue of THE LOVINGTON LEADER and not in any supplement thereof, for one (1) day(s), beginning with the issue of December 13, 2018 and ending with the issue of December 13, 2018.

And that the cost of publishing said notice is the sum of \$ 44.59 which sum has been (Paid) as Court Costs.

  
Joyce Clemens, Advertising Manager  
Subscribed and sworn to before me this 14th day of December, 2018.

  
Gina Fort  
Notary Public, Lea County, New Mexico  
My Commission Expires June 30, 2022



## Amended Public Notice

Milestone Environmental Services LLC, 15721 Park Row, Suite 150 Houston, TX 77084, has filed a form C-108 (Application for Authorization to inject) with the Oil Conservation Division seeking administrative approval to drill and complete a new well as a Salt Water Disposal well.

The proposed Baeza SWD #1 will be located on private land, 160 FEET NW 1/4, 2480 FNL in Unit Letter H, Section 25, Township 24s-Range 34e, Lea County, New Mexico. The well will dispose of fluids generated from oil and gas drilling, completion and production operations.

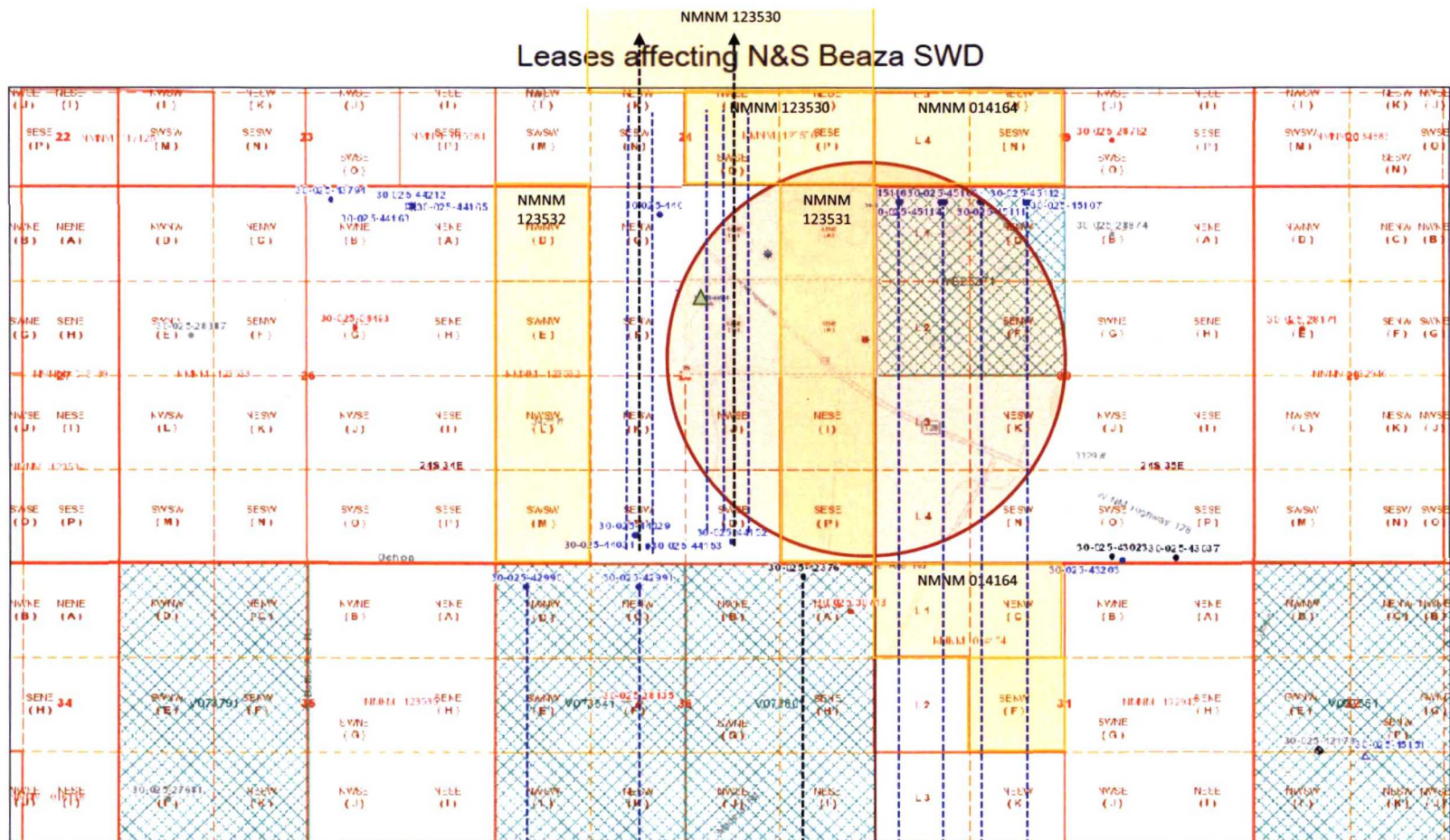
The proposed injection zone is the combined Bell and Cherry Canyon formations of the Delaware Mountain Group, at an interval between 5497-7241 feet below the surface at a maximum rate of 20,000 barrels per day with a maximum pressure of 1100 psi.

The only groundwater in the area can be found at approximately 1/2 mile at a depth of 155 feet below the surface.

Interested parties may file objections or request for hearing with the Oil Conservation Division, 1220 S. Saint Francis Dr., Santa Fe, New Mexico 87505 within 15 days.

Contact Steve Bills of Milestone Environmental Services LLC, Business Development Manager, at the above Milestone Environmental Services LLC address, or by calling 832-739-6708 if additional information is required.

Published in the Lovington Leader December 13, 2018



11/14/2018, 11:23:09 AM

Well Locations - Small Scale

- Active
- New
- Plugged
- Cancelled
- Temporary/Abandoned
- CO2 Active
- CO2 Cancelled
- CO2 New
- CO2 Plugged
- CO2 Temporary/Abandoned

Well Locations - Large Scale

- Miscellaneous
- CO2 Active
- CO2 Cancelled
- CO2 New
- CO2 Plugged
- CO2 Temporary/Abandoned

• Gas Active

• Gas, Cancelled, Never Drilled

• Gas, New

• Gas, Plugged

• Gas, Temporary/Abandoned

• Injection, Active

• Injection, Cancelled

• Injection, New

• Injection, Plugged

• Injection, Temporary/Abandoned

• Oil, Active

• Oil, Cancelled

• Oil, New

• Oil, Plugged

• Oil, Temporary/Abandoned

• Salt Water Injection, Active

• Salt Water Injection, Cancelled

• Salt Water Injection, New

• Salt Water Injection, Plugged

• Salt Water Injection, Temporary/Abandoned

• Water, Active

• Water, Cancelled

• Water, New

• Water, Plugged

1:18,056

0 0.17 0.35 0.7 mi  
0 0.3 0.6 1.05 mi

Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METANASA, EPA, USDA, OCO, BLM

New Mexico Oil Conservation Division  
NM OGD Oil and Gas Map. <http://nm-emrmd.maps.arcgis.com/apps/webappviewer/> New Mexico Oil Conservation Division

Certified/Return Receipt

December 7, 2018

To: Surface Owner/Offset Operator

Re: Notification of Applicant for Authorization to Inject into the Proposed Baeza SWD #1 well.

Ladies and Gentlemen:

Milestone Environmental Services, LLC is seeking administrative approval to utilize the Baeza SWD #1 well (New Drill) as a UIC Class II Salt Water Disposal Well.

As required by the New Mexico Oil Conservation Division ("NMOCD") Rules, we are notifying you of the following proposed UIC Class II Salt Water Disposal Well. This letter is for notification only and no action is required unless you have questions or an objection.

Well Name:	Baeza SWD #1
Proposed Injection Zone:	Bell & Cherry Canyon Formations From 5497'-7240'
Location:	160 FEL & 2480 FNL Section 25-T24S-R 34E Lea County, NM

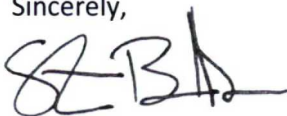
Applicant Name:	Milestone Environmental Services, LLC 15721 Park Row, Suite 150, Houston, Tx 77084
-----------------	---

This application is for authorization to dispose of RCRA exempt fluids generated from oil and gas drilling, completion and production operations, and has been filed with the NMOCD. If the NMOCD determines that the application complies with the applicable regulations, then it will be approved administratively if there were no objections.

If you have an objection to the application, you must file a written objection with the NMOCD, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, 505-476-3460, within 15 days.

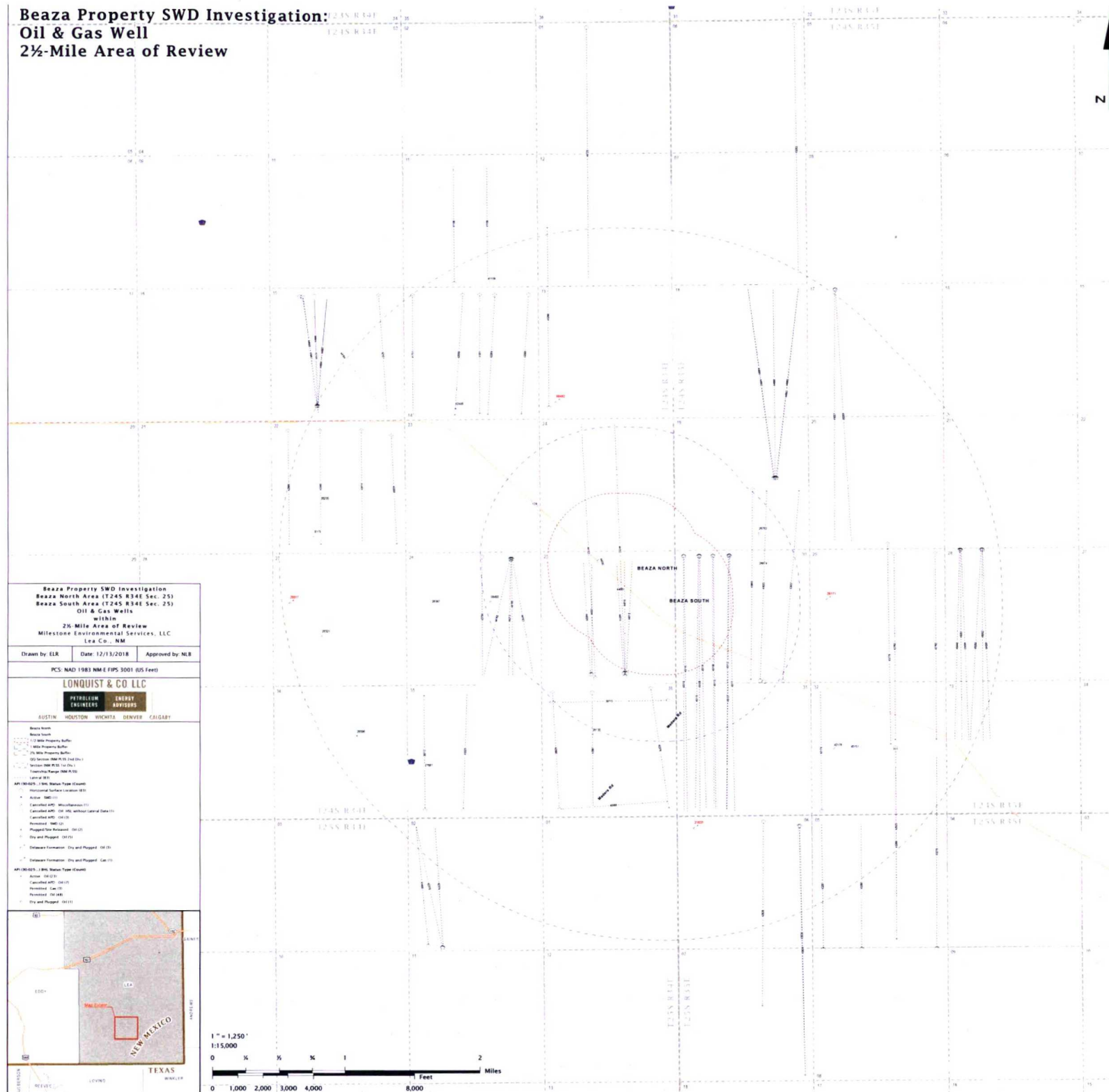
If you would like a copy of the application or have questions about it, you can contact me at 832-739-6708 or [stevebills@milestone-es.com](mailto:stevebills@milestone-es.com).

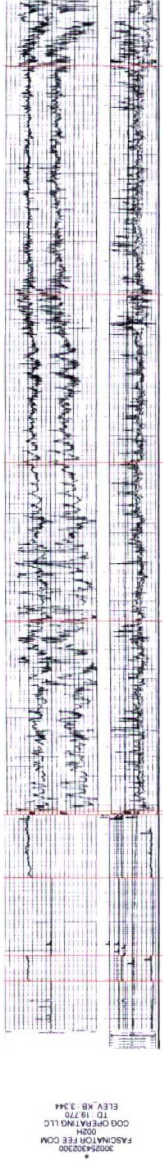
Sincerely,



Steve Bills  
Business Development Associate

**Beaza Property SWD Investigation:**  
Oil & Gas Well  
2½-Mile Area of Review





024

300254244800  
MADERA SWD  
001

S

022

023

024

019

300254302300  
FASCINATOR FEE COM  
002H

034

300252823500  
BUFF UNIT 22  
-1,914

300253017900  
NADERA "B" 8706 JV-P  
-1,899

E

300252991700  
8706 JV-P  
001  
-1,905

027

026

025

030

Beaza SWD #1  
-2,082 ??

034

035

036

300252800200  
PITCHFORK 34 FEDERAL COM  
001  
-1,932

300254008800  
BLACK RAIDER BOK STATE  
001H

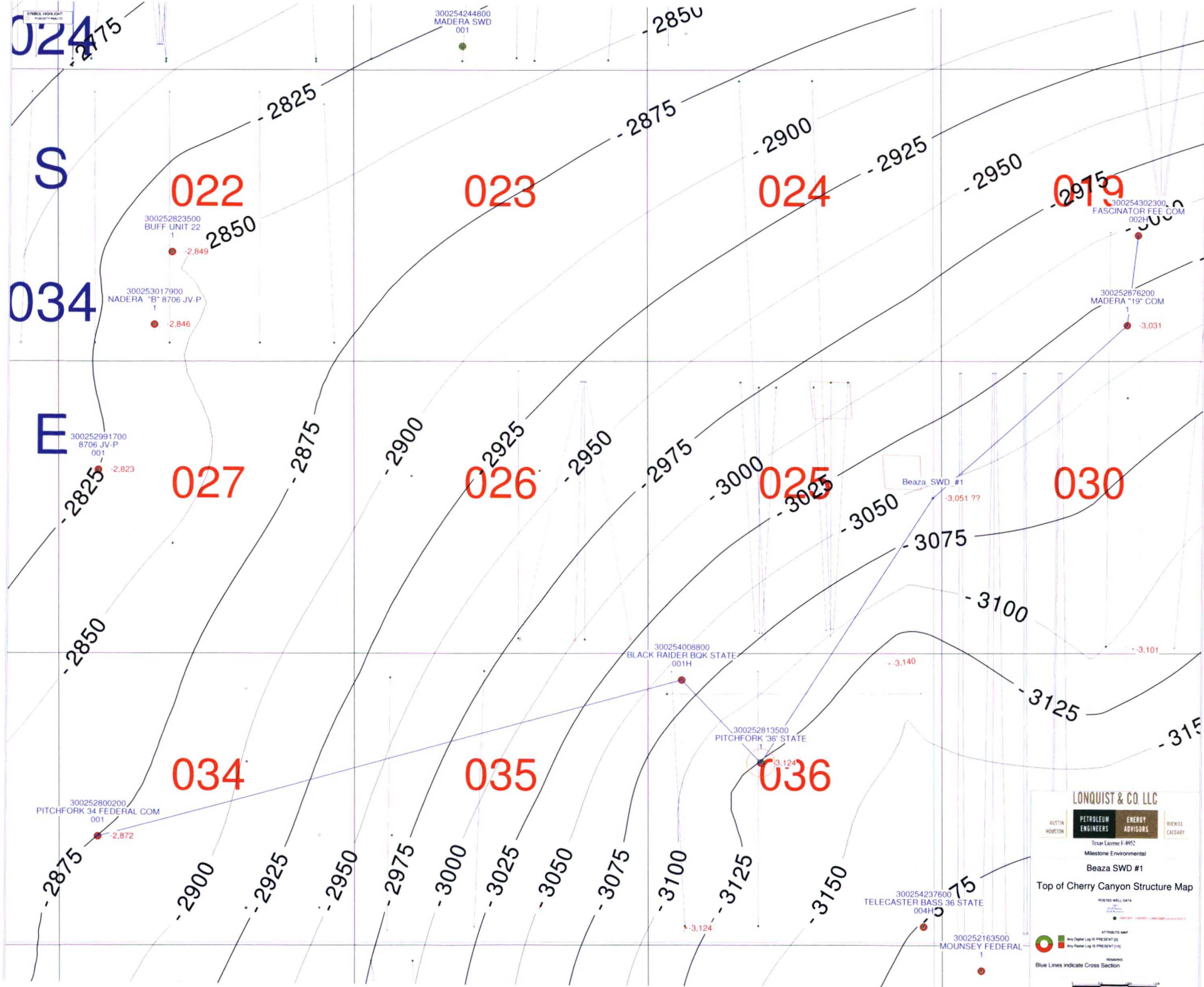
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PITCHFORK '36' STATE  
1

300254237600  
TELECASTER BASS 36 STATE  
004H

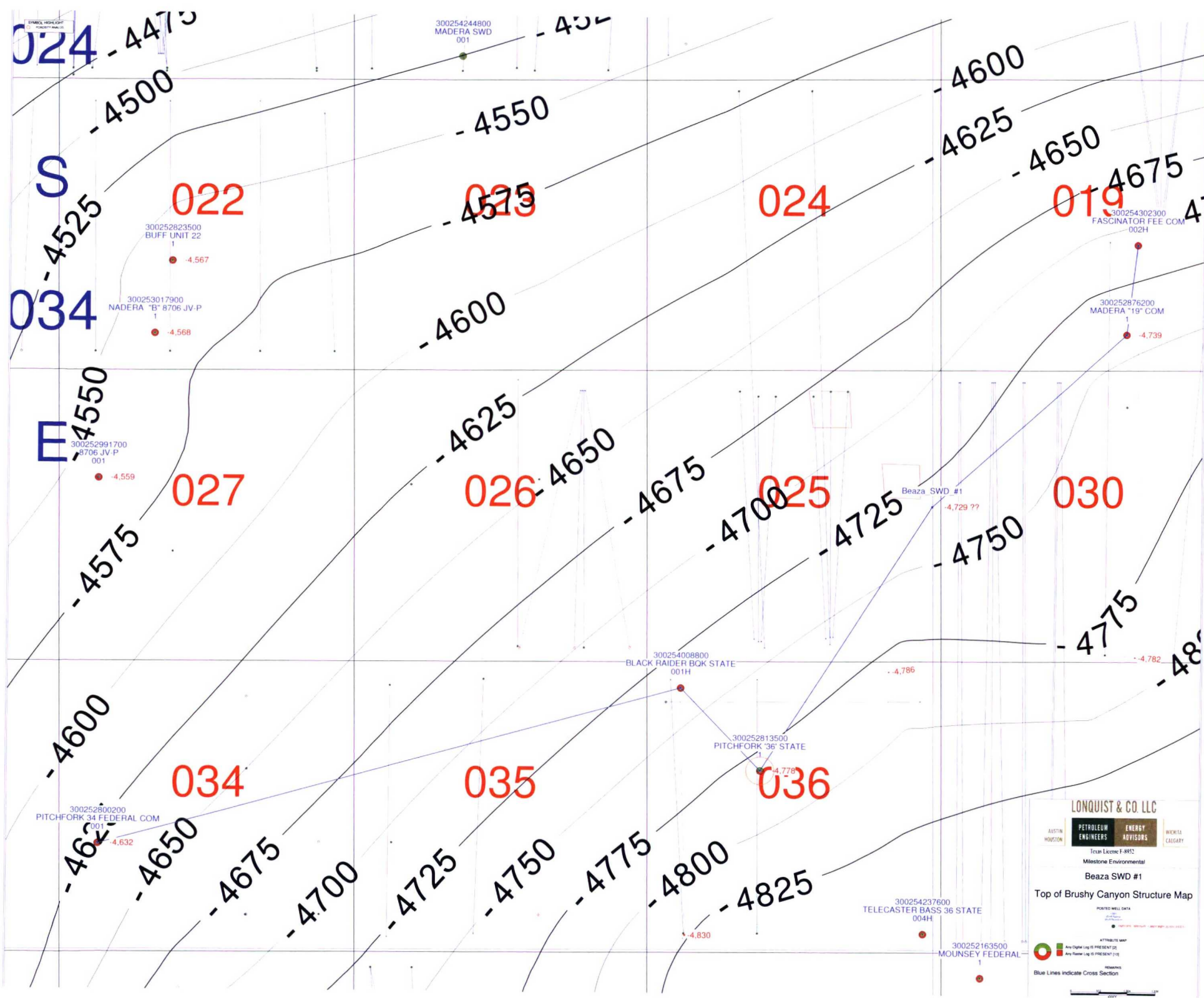
300252163500  
MOUNSEY FEDERAL  
1

-2,202

**LONGST & CO. LLC**  
AUSTIN HOUSTON PETROLEUM ENGINEERS ENERGY ADVISORS WICKED CALGARY  
Texas License F-8952  
Milestone Environmental  
Beaza SWD #1  
Top of Bell Canyon Structure Map  
PRINTED WELL DATA  
ATTRIBUTION MAP  
Any Digital Log is PRESENT [X]  
Any Paper Log is PRESENT [X]  
Blue Lines indicate Cross Section  
0 20 40 FEET



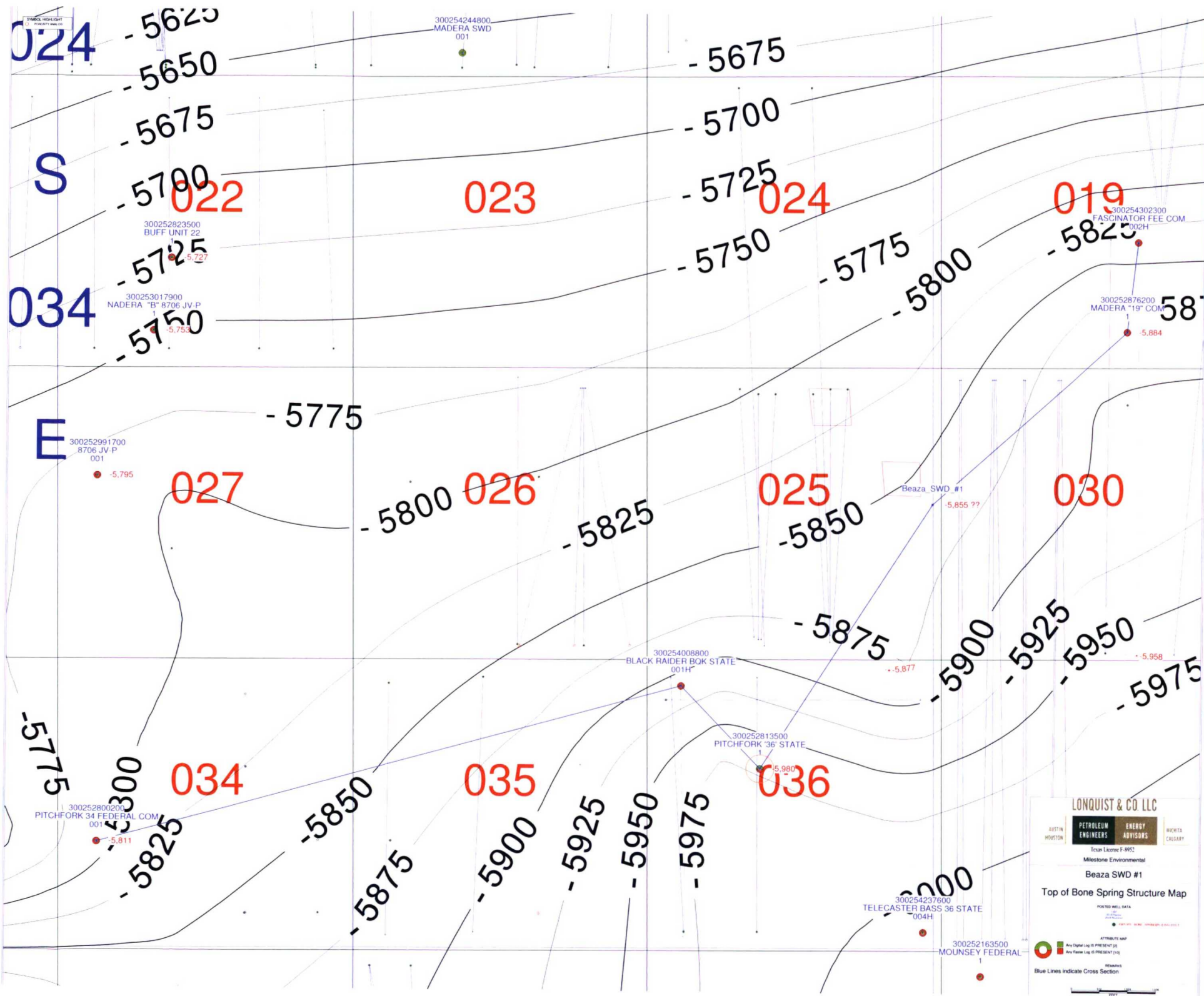
**LONQUIST & CO. LLC**  
PETROLEUM ENGINEERS ENERGY ADVISORS  
AUSTIN HOUSTON WICHITA FALLS  
Texas License F-9952  
Milestone Environmental  
Beaza SWD #1  
Top of Cherry Canyon Structure Map  
PORTER HILL DATA  
ATTRIBUTES MAP  
Any Other Log is PRESENT (P)  
Any Other Log is PRESENT (P)  
Blue Lines indicate Cross Section  
Scale: 0 10 20 Feet



**LONQUIST & CO. LLC**  
PETROLEUM ENGINEERS ENERGY ADVISORS  
AUSTIN HOUSTON WICHITA CALGARY  
Texas License F-8912  
Milestone Environmental  
Beaza SWD #1  
Top of Brushy Canyon Structure Map

POINTED WELL DATA  
ATTRIBUTES MAP  
Any Depth Log is PRESENT (2)  
Any Name Log is PRESENT (10)  
Blue Lines indicate Cross Section

0 20 40 60 80 100  
Feet



**LONGST & CO LLC**  
PETROLEUM ENGINEERS ENERGY ADVISORS  
AUSTIN HOUSTON ARLINGTON CALGARY  
Evan Loefer F-WRZ  
Milestone Environmental  
Beaza SWD #1  
Top of Bone Spring Structure Map  
POINTED WELL DATA  
ATTRIBUTES MAP  
Any Depth Log is PRESENT (S)  
Any Name Log is PRESENT (S)  
Blue Lines indicate Cross Section



Will George  
Lonquist Field Services  
12912 Hill Country Blvd, Suite F-200  
Austin, Texas 78738

December 13<sup>th</sup>, 2018

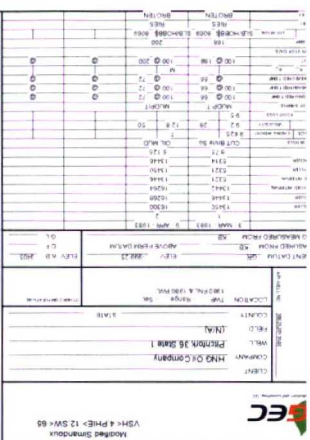
Dear Mr. George,

I have evaluated the evaluated the Pitchfork 36 State #1 well located in T24S R 34E section 36 to determine if there are any hydrocarbons present in the Bell Canyon and the Cherry Canyon formation in the Delaware section. Standard petrophysical analysis was used and the logs show that all of the sands in the above mentioned interval calculate wet with no indications of hydrocarbons.

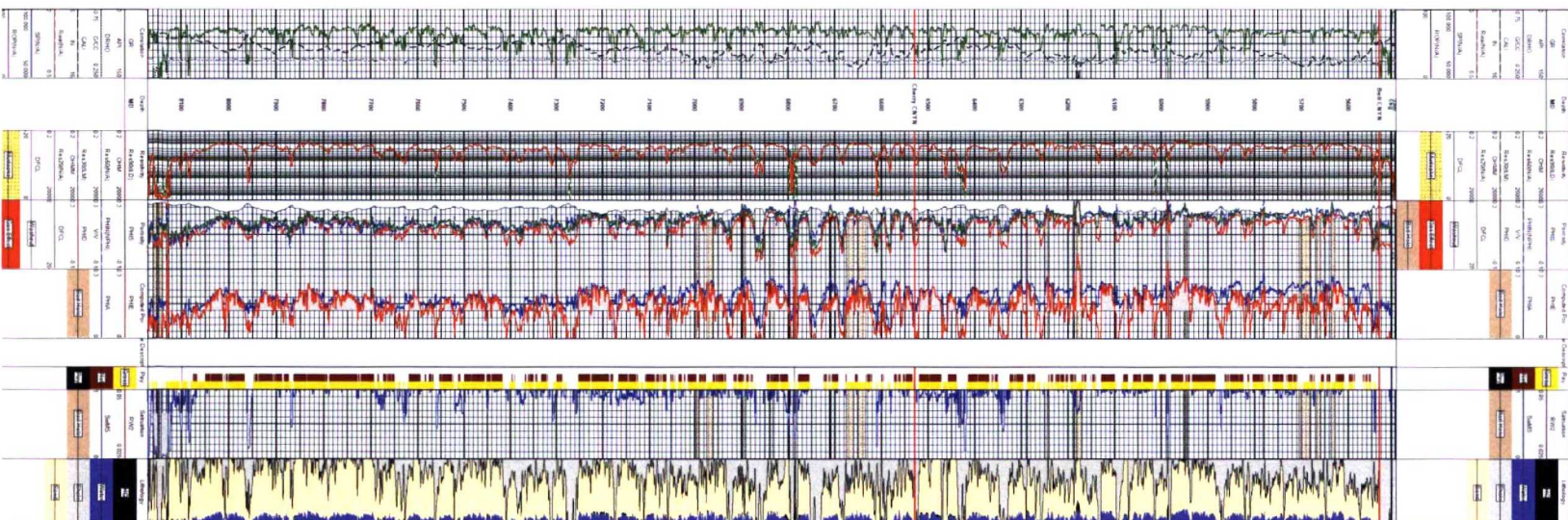
An interpreted log is attached with the calculations.

Regards,

Brian Davis  
Oil and Gas Evaluations and Consulting, L.L.C.  
P.O. Box 126436  
Benbrook, Texas 76126



COMPUTATION PARAMETERS					
CALCULATION	SOURCE FILE: C:\PROG\BIN\H2O-70.DAT	TO DATA: 17	FROM DATA:		NUMBER OF POINTS
	STARTING NUMBER IS:				N
ZONES					
	STARTING INTERVAL	#POINTS TO			
(NAME)	1.50E+1	9000.0			
CORR. PARAMETER	9.81E-1	10000.0			



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.

*Wells were downloaded from OCD/NMTECH websites and placed in an Excel spreadsheet. Attached are the Maps that outlined the AOR to determine legal locations.*

*Milestone extended the 2 miles to 2.5 miles for the comprehensive area of review. There are 102 wells within this AOR. A one-half mile AOR was also constructed where any well that the ½ mile AOR radius included a partial unit letter, was included. This was done to make sure all offset operators and leaseholders would be identified. A total of 19 wells are shown in an excel spreadsheet attached herein and 18 of the wells are proposed by COG Operating LLC and one well is a Delaware Energy proposed Devonian SWD well. Pursuant to the OCD files, no wells currently are completed in the ½ mile AOR. The exception may be the Delaware well, but no completion records were found.*

*AOR Map explanation: The AOR map included herein actually included two wells, and the radius was taken from the property boundary line which actually expanded the map areas. This application is for the South Baeza SWD #1 Well located in UL H (160 FEL & 2480 FNL), Section 25-Ts24s\_Rg 34E.*

*The spreadsheets provide pertinent information such as API#, Company/Operator, Well Name, Location, Formation, OGRID #'s, Spud Dates, Lat-Long GPS Coordinates, Pool Names, Production Type, Vertical or Horizontal completions, depths, etc.*

*Another ½ mile AOR was constructed using exact footages to determine the number of wells that were actually included in this AOR. This AOR actually tabulated proposed construction information. Please refer to the next Section VI for this Map and Tabulation.*

*Maps and Spreadsheets Included herein:*

- *2.5 mile, 1 mile, and ½ mile AOR Map.*
- *Excel Spreadsheet listing all wells within the 2.5 mile AOR.*
- *Excel Spreadsheet listing all wells within the ½ mile AOR that intersect all ¼ units.*

# **Beaza Property SWD Investigation: Oil & Gas Well 2½-Mile Area of Review**

