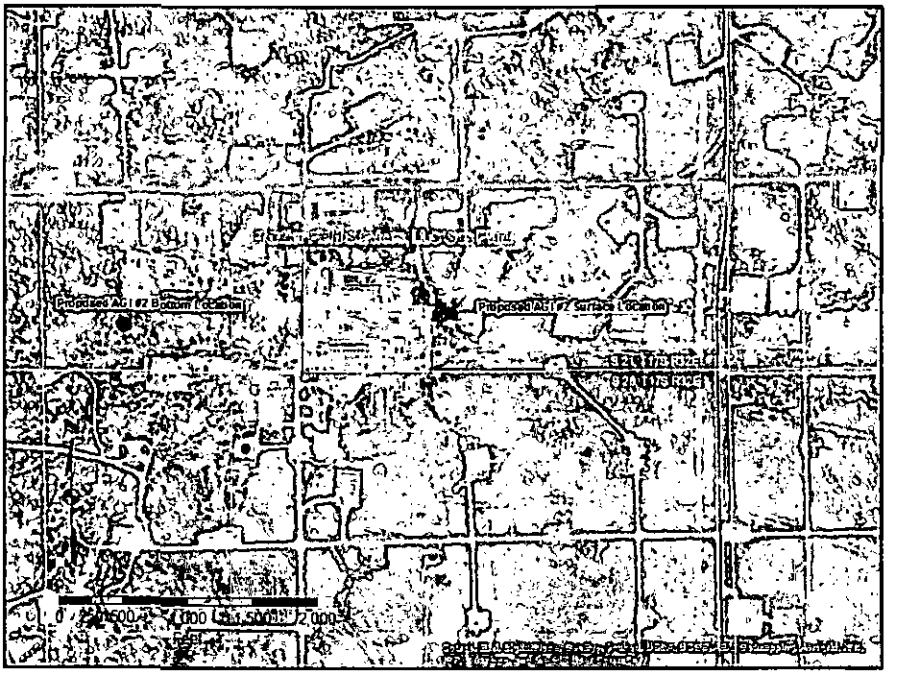
C-108 Application for Authorization to Inject

Frontier Field Services, LLC

Maljamar AGI #2

Surface Location: 400'FSL & 2,100' FEL Section 21, T17S, R32E
Bottom Hole Location: 350' FSL & 650' FWL Section 21, T17S, R32E
Lea County, New Mexico



June 6, 2014

Prepared For:

Frontier Field Services, LLC
4200 E. Skelly Dr., #700
Tulsa, OK 74135

Prepared By:

Geolex, Inc.
500 Marquette Avenue, NW, Suite 1350
Albuquerque, New Mexico 87102
(505)-842-8000

Case No. 15193
Exhibit 1

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 __X__No

II. OPERATOR: **Frontier Field Services, LLC.**
ADDRESS: **4200 Skelly Dr., #700, Tulsa, OK 74135**
CONTACT PARTY: **Alberto A. Gutierrez, R.G.- GEOLEX, INC.** PHONE: **(505)-842-8000**

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. **A CROSS REFERENCE TO THE APPLICABLE SECTIONS OR APPENDICES IN THE ATTACHED C108 APPLICATION FOR EACH ROMAN NUMERAL BELOW IS SPECIFIED BY SECTION AND/OR APPENDIX NUMBERS.**

IV. Is this an expansion of an existing project? __X__Yes ___No **Total Capacity requested 2 MMSCFD**
If yes, give the Division order number authorizing the project: **Order R-13443A**

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. **SECTIONS. 5 and 6; APPENDICES B, C and D.**

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.
SECTIONS 4 and 5; APPENDIX B

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected; **SECTIONS 1 and 3**
2. Whether the system is open or closed; **SECTIONS 1 and 7**
3. Proposed average and maximum injection pressure; **SECTIONS 1 and 3**
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, **SECTIONS 3 and 4 and APPENDIX A**
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.). **SECTION 4; APPENDIX A**

*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. **SECTIONS 4 and 5 and APPENDICES A and B**

IX. Describe the proposed stimulation program, if any. **N/A**

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted). **WELL IS NOT YET DRILLED but twin Maljamar AGI #1 (API 3002540420) logs, core and full data on file with Division**

*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. **SECTION 4 and APPENDIX A.**

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. **SECTION 7**

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

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: Alberto A. Gutierrez, C.P.G. TITLE: President, Geolex, Inc.®; Consultant to Frontier Field Services LLC

SIGNATURE: _____ DATE: 6/6/14

E-MAIL ADDRESS: aag@geolex.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: **SEE ATTACHED APPLICATION**

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.
Surface Location: Section 21, T17S, R32 E, 400' FSL, 2100' FEL - SECTIONS 1, 3 and 4.
Bottom Location: Section 21, T17S, R32 E, 350' FNL, 650' FWL - SECTIONS 1, 3 and 4.

(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. **SEE SECTION 3 FOR PROPOSED WELL DESIGN. FINAL DESIGN WILL BE SUBMITTED WHEN PROPOSED WELL IS DRILLED AND COMPLETED.**

(3) A description of the tubing to be used including its size, lining material, and setting depth. **SECTION 3 AND FIGURE 5 FOR PROPOSED WELL DESIGN**

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used. **SECTION 3**

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. **SECTIONS 1 and 4**

(2) The injection interval and whether it is perforated or open-hole. **SECTION 3**

(3) State if the well was drilled for injection or, if not, the original purpose of the well. **N/A- WELL IS NOT YET DRILLED. See End of Well report dated 1/31/2013 for detailed data on twin Maljamar AGI #1 on file with NMOCD**

(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. **N/A**

(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. **SECTIONS 4 and 5; APPENDIX B**

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. **SECTION 6; APPENDIX C. WE WILL NOTIFY OPERATORS AND LEASEHOLD OWNERS AND SURFACE OWNERS WITHIN THE AREA OF REVIEW PURSUANT TO NMOCD REGULATIONS AND WE WILL SUBMIT AFFIDAVITS OF PUBLICATION OF NOTICE AND CERTIFIED MAIL RETURN RECEIPTS AT HEARING.**

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: **SEE APPENDIX C FOR DRAFT OF PUBLIC NOTICE – AFFIDAVIT OF PUBLICATION OF NOTICE FROM NEWSPAPER WILL BE SUBMITTED AT HEARING.**

(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.

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1.0 EXECUTIVE SUMMARY

On behalf of Frontier Field Services, LLC (Frontier), Geolex®, Inc. (Geolex) has prepared and is hereby submitting a complete C-108 application for approval to drill, complete and operate a redundant Class II acid gas injection (AGI) well (Maljamar AGI #2) located near Maljamar AGI #1 (API # 3002540420) and adjacent to the Frontier Gas Plant which is located on approximately 19 acres in Section 21, T17S, R32E near Maljamar in Lea County, New Mexico (Figure 1).

The proposed well will be drilled 400 feet FSL and 2,100 feet FEL of Section 21, T17S, and R32E. The well will be inclined at approximately 29 degrees in a westerly direction, after kickoff below the intermediate casing at approximately 5,820 feet, and will bottom in the Wolfcamp at approximately 350 feet from the south line and 650 feet from the west line of Section 21, T17S and R32E. The surface location will be located approximately 470 feet NNW of the existing Maljamar AGI #1, and the bottom hole location will be approximately 2,500 feet west of the surface location (Figure 2).

The Maljamar AGI #2 is anticipated to have a total vertical depth of approximately 10,306 feet (approximately 11,000 feet measured depth) in the Wolfcamp series along the northern margin of the Delaware Basin (Permian). The primary proposed injection zone will be within a porous debris and algal mound carbonate facies in the Wolfcamp. This zone is between approximately 9,600 and 10,200 vertical feet. Analysis of the reservoir characteristics of these units confirms that they act as excellent closed-system reservoirs that should accommodate the future needs of Frontier for disposal of acid gas and sequestration of CO_2 from the plant.

Frontier currently has a permitted AGI well (Maljamar AGI #1) in the same zone and the proposed well is a redundant well to act as backup well to prevent shutting end producers and allowing the plant to operate if there are any problems with Maljamar AGI #1. Frontier needs to safely inject up to 2.0 million standard cubic feet (MMSCF) per day of treated acid gas (TAG) for at least 30 years through either Maljamar AGI #1 and/or Maljamar AGI #2. Geologic studies conducted for the selection of this location demonstrate that the proposed injection zone is readily capable of accepting and containing the proposed acid gas and CO_2 injection volumes well within NMOCD's recommended maximum injection pressures. This well is intended to provide a backup injection well for the existing AGI #1, and Frontier seeks a total capacity of 2 MMCFD combined for both wells.

In preparing this C-108 application, Geolex conducted a detailed examination of all of the elements required to be evaluated in order to prepare and obtain approval for this application for injection. The elements of this evaluation include:

- Identification and characterization of all hydrocarbon-producing zones of wells that surround and are present on the plant site.
- The depths of perforated pay intervals in those wells relative to the depth of the target injection zones (Wolfcamp).
- The past and current uses of the proposed intervals.
- Total feet of net porosity in the Wolfcamp.
- The stratigraphic and structural setting of the targeted zones relative to any nearby active or plugged wells, and other wells penetrating the intervals.
- The identification of and sample notification letter that will be sent to all surface owners within a one mile radius of the proposed injection well.
- The identification of all wells within a two mile radius and of all operators within a one mile radius of the proposed injection well.

- Identification and characterization of all plugged and operating wells penetrating the proposed injection zone within a one mile radius of the proposed injection well.
- The details of the proposed injection operation, including general well design and average and maximum daily rates of injection and injection pressures.
- Sources of injection fluid and compatibility with the formation fluid of the injection zone.
- Location and identification of any fresh water bearing zones in the area; the depth and quality of available groundwater in the vicinity of the proposed well, including a determination that there are no structures which could possibly communicate the disposal zone with any known sources of drinking water.
- The existing Rule 11 plan for the facility will be modified to accommodate the proposed changes in operation and the new and redundant AGI well (to be submitted in final form for approval before commencing injection of acid gas).

Based upon this detailed evaluation and data captured from the operation of existing Maljamar AGI #1, Frontier has determined that the proposed redundant injection well is a safe and environmentally-sound project for the disposal of acid gas. The proposed Maljamar AGI #2 would be used in the event of the casing or tubing failure of the existing Maljamar AGI #1 and would be immediately available to continue injection of acid gas and keep the plant running while the Maljamar AGI #1 is repaired or worked over. This project ensures continuation of the additional environmental benefit of permanently sequestering a significant volume of CO_2 which would otherwise continue to be released to the atmosphere and the flaring of H_2S which currently takes place at the Plant. At the expected ratio of 12% H_2S and 88% CO_2, injecting 2.0 MMSCFD will dispose of 13 tons of H_2S and 100 tons of CO_2 per day.

The AGI #1 is currently permitted (under Order R-13443-A) to inject up to 1.8 MMSCFD. Due to changes in the inlet CO_2/H_2S concentrations, Frontier requests that this injection rate be increased to 2.0 MMSCFD for either or both wells combined.

On May 16, 2011, Geolex, on behalf of Frontier, submitted a C-108 Application for Authorization to Inject for an Acid Gas Injection (AGI) Well, to be located near the Frontier Maljamar Gas Plant near Maljamar, New Mexico (Figure 1). The purpose of the existing Maljamar AGI #1 was to replace the existing flare used to incinerate the treated acid gasses (TAG) from the sweetener units. The C-108 Application for Authorization to Inject for Maljamar AGI #1 was approved under Order No. R-14664 on August 11, 2011. Maljamar AGI #1 was completed in June 2012.

In the current Order (R-13443-A) the maximum approved operational pressure (MAOP) for Maljamar AGI #1 was set at 2,973 psi. Following the analyses of step-rate tests and formation pressure characteristics, a request to increase the MAOP to 3,200 psi was sent to NMOCD on September 20, 2013. This request was approved in Administrative Order IPI-454 on October 21, 2013. The same MAOP of 3,200 psi is requested for the AGI #2 since it is in the same zone and depths, approximately 2,650 feet away from the existing well.

At normal operating conditions of 2,200 psi and a compressor outlet temperature of 100 °F, two million standard cubic feet (MMSCFD) of TAG would occupy 4,836 cubic feet, or 861 barrels. At an equilibrated reservoir conditions of 4,800 psi and 132 °F, 2 MMSCFD of TAG would occupy 4,887 cubic feet, or 764 barrels.

Using the anticipated injection rate of 2.0 MMSCFD, after 30 years of plant operations the TAG would occupy a radius of approximately 0.26 miles. Using the 100% safety factor of 4.0 MMSCFD, the TAG would occupy a radius of approximately 0.37 miles.

Our research has identified one primary and two secondary AGI targets in the algal-mound and slope-debris facies of the lower Leonard and Wolfcamp intervals, a series of thick (up to 200 feet) porous deposits formed along the former shelf break of the Delaware Basin isolated within tight mudstones and micrites, located approximately 9,000 to 10,000 feet below the plant.

Our original geological evaluation shows that the most promising zone is the lower Wolfcamp Reservoir. This unit lies between approximately 9,800 to 10,000 feet, has an area of 190 acres, and an estimated net capacity of 24.2 million barrels of TAG. Logging and testing of the Wolfcamp during drilling, completion and operation of Maljamar AGI #1 verified that the Wolfcamp was an acceptable injection reservoir.

As an example of the injectibility of these reservoirs, we have researched the injection capacity of three salt water injection (SWD) wells completed in the lower Wolfcamp located south of the Frontier plant:

- COG Operating LLC Federal BI 001, 0.9 miles south in Section 28 (injected 3,900 BBL/Day in 2010)
- COG Operating LLC Maljamar SWD 29 001, 1.2 miles south in Section 29 (injected 2,500 BBL/Day in 2010)
- Cimarex Energy Co. Pearsall Federal SWD 001, 0.5 miles south in Section 28 (injected 1,700 BBL/Day in 2013)

The performance of these wells clearly demonstrates the capacity of similar, though not connected, units in this formation. Based on these data, we have concluded that the Wolfcamp mounds provide sufficient porosity, permeability and volume to serve Frontier's injection needs.

In addition to providing a safe and adequate reservoir for H_2S and CO_2, the geologic environment is ideal to demonstrate the required capture and sequestration of CO_2 to obtain future credits or offsets.

There are 772 recorded wells within two miles of the proposed injection point, of which only 31 penetrate the Wolfcamp. Of these wells, 20 are active and 11 are plugged and abandoned. There are 262 wells listed within one mile of the proposed AGI injection point, of which 137 are active, 64 are plugged and abandoned, and 61 are permitted but not drilled or completed. Within one half mile there are 56 listed wells. Of these, 36 are active, 7 are plugged and abandoned, and 13 are permitted but not drilled or completed. All of the 13 uncompleted wells are permitted to drill to 7,150 feet or less.

None of the active wells within one mile penetrate the injection zone, and none are deeper than 7,150 feet. Six of the seven plugged wells were completed shallower than 4,150 feet; these are all well above the injection zone. The remaining plugged well (Queen B 036) lies approximately 0.17 miles from the injection point. Review of the plugging records of this well show that the plugging effectively isolates the Wolfcamp interval.

Active oil and gas leases in the one-mile area are held by ConocoPhillips Company and COG Operating LLC. With the exception of plant property owned by Frontier and Mid-America, all of the adjacent lands within one mile are federal lands administrated by the Bureau of Land Management and some minor amount of state land. All surface owners and operators within a ½-mile radius of the proposed injection well will be notified at least 20 days prior to the NMOCD hearing pursuant to the requirements of NMOCD.

There is no permanent body of natural surface water within several miles of the plant. A search of the New Mexico State Engineer's files shows no recorded water wells within one mile of the proposed Maljamar AGI #2 injection point. Available information shows that groundwater occurs at a depth of

approximately 70 to 85 feet, and is hosted by the sandstones in the underlying Triassic Dockum Group. The planned AGI well design will completely isolate the fresh water-bearing zones through the Rustler (source of the deepest groundwater) by surface casing that will be cemented to the surface. The proposed injection zone is a closed system, and there are no open faults, fractures, or other structures that could potentially serve as a pathway between the proposed injection zone and any sources of fresh water.

2.0 INTRODUCTION AND ORGANIZATION OF THIS C-108 APPLICATION

The completed NMOCD Form C-108 is included before the Table of Contents of this document and references appropriate sections where data required to be submitted are included herein.

This application organizes and details all of the information required by NMOCD to evaluate and approve the submitted Form C-108 – Application for Authorization to Inject. This information is presented in the following categories:

- A detailed description of the location, construction and operation of the proposed injection well (Section 3.0)
- A summary of the regional and local geology, the hydrogeology, and the location of drinking water wells within the area of review (Section 4.0)
- The identification, location, status, production zones, and other relevant information on oil and gas wells within the area of review (Section 5.0)
- The identification and required notification for operators and surface land owners that are located within the area of review (Section 6.0)
- An affirmative statement, based on the analysis of geological conditions at the site, that there is no hydraulic connection between the proposed injection zone and any known sources of drinking water (Section 7.0)

In addition, this application includes the following supporting information:

- Appendix A: Wolfcamp Formation Fluid Analyses and Analyses of Frontier Maljamar Gas Plant TAG
- Appendix B: Information on Oil and Gas Wells within Two Miles of Proposed Maljamar AGI #2
- Appendix C: Identification of Operators, Surface Owners, Lessees, and other Interested Parties for Notices; Copies of Notice Letters and Certified Mail Receipts, and Copies of Draft Public Notices for Hearing
- Appendix D: Demonstration of No Recoverable Hydrocarbons, Maljamar AGI #1 (September 25, 2012)

It is anticipated that this application shall be the subject of a NMOCD hearing in Summer 2014.

3.0 PROPOSED CONSTRUCTION AND OPERATION OF MALJAMAR AGI #2 WELL

The proposed well will be drilled 400 feet FSL, 2,100 feet FEL of Section 21, T17S, and R32E. The well will be inclined at approximately 29 degrees in a westerly direction, and after kicking off below the intermediate casing at approximately 5,820 feet will bottom in the Wolfcamp at approximately 350 feet from the south line and 650 feet from the west line of Section 21, T17S and R32E. The surface location will be located 470 feet NNW of the existing Maljamar AGI #1, and the bottom hole location will be approximately 2,500 feet west of the surface well head (Figure 2).

3.1 CALCULATED MAXIMUM INJECTION PRESSURE AND INJECTED AREA

The well will be designed and constructed such that it will serve as the injection conduit for a stream of treated acid gas. The treated acid gas stream (TAG) will be of approximately the following composition:

- 88% CO_2
- 12% H_2S
- Trace Components of $C_1 - C_7$

The total volume of TAG to be injected under this scenario will be approximately 380 barrels per day for each million cubic feet at reservoir conditions. Pressure reduction valves will be incorporated to assure that maximum surface injection pressure allowed by NMOCD will not be exceeded.

The MAOP for the original well Maljamar AGI #1 was calculated using the following method approved by NMOCD to calculate the preliminary proposed MAOP, and the original MAOP of 2,973 psi was calculated as shown below:

$IP_{max} = PG\ (D_{top})$ where: IP_{max}= maximum surface injection pressure (psi)
PG = pressure gradient of mixed injection fluid (psi/foot)
D_{top} = depth at top of perforated interval of injection zone (feet)

and $PG = 0.2 + 0.433\ (1.04 - SG_{tag})$ where:

SG_{tag} = specific gravity of treated acid gas (pressure and temperature dependent; calculated as the average density in the tubing, using surface conditions of 100°F and 1,500 psi, and bottom hole conditions of 100°F and 3,400 psi; see Table 1 for details)

For the maximum requested injection volume (2 MMSCF/Day) it is assumed that:

$SG_{tag} = 0.78$
$D_{top} = 9{,}500$ feet

Therefore:

$$PG = 0.2 + 0.433\ (1.04 - 0.78) = 0.313$$

$$IP_{max} = PG\ (D_{top}) = 0.313 \times 9{,}500 = 2{,}973 \text{ psi}$$

Based on the results of post-completion step rate tests and analysis of formation parting pressure, Frontier requested an Administrative Order to increase the MAOP to 3,200 psi. This request was submitted to NMOCD on September 20, 2013. This request was approved in Administrative Order IPI-454 on October 21, 2013. Frontier therefore requests the new MAOP of 3,200 psi be applied to the proposed

Maljamar AGI #2, which will be completed in the same formation at an equivalent depth approximately 2,500 feet away.

Calculations presented in Table 1a (incorporating the compressibility of the TAG at reservoir conditions) show that, over 30 years, a daily injection volume of 2 MMSCFD of TAG will occupy approximately 47 million cubic feet in the reservoir. As discussed in Section 4.3, a calculated gross net porosity of 10.3 feet in the reservoir is reduced to an effective net porosity of 7.8 feet after correcting for a residual water content of 45%. Based on a net porosity of 7.8 feet, we calculate that the 30-year injection volume will occupy approximately 139 acres of the reservoir, with a radius of 0.26 miles.

Table 1b shows the volume, radius area and radius that would be occupied if the well was injected at a 100% increase in volume, or 4.0 MMSCFD. In this case, the final volume would increase to 94 million cubic feet in the reservoir. Based on the same net porosity of 7.8 feet, we calculate that the 30-year injection volume will occupy approximately 278 acres of the reservoir, with a radius of 0.37 miles. The areas calculated are shown in Figure 3.

Table 1a: Calculations for Area of Injection at Estimated Rate of 2.0 MMSCFD (Anticipated Normal Injection Rate)

PROPOSED INJECTION STREAM CHARACTERISTICS

TAG	H_2S	CO_2	H_2S	CO_2	TAG
Gas vol MMSCFD	conc. mol %	conc. mol %	inject rate lb/day	inject rate lb/day	inject rate lb/day
2	12.00	88.00	22781	215734	238516

CONDITIONS AT WELL HEAD

Well Head Conditions		TAG							
Temp F	Pressure psi	Gas vol MMSCFD	Comp CO_2:H_2S	Inject Rate lb/day	Density[1] kg/m^3	SG[2]	density lb/gal	volume ft^3	volume bbl
100	2200	2	88:12	238516	789.60	0.79	6.59	4836	861

CONDITIONS AT BOTTOM OF WELL

Injection Zone Conditions					TAG				
Temp F	Pressure[3] psi	$Depth_{top}$ ft	$Depth_{bottom}$ ft	Ave. Thick. ft	Density[1] kg/m^3	SG[2]	density lb/gal	volume ft^3	volume bbl
132	5620	9637	10238	137	934.70	0.93	7.80	4086	728

CONDITIONS IN RESERVOIR AT EQUILIBRIUM

Injection Reservoir Conditions					TAG				
Temp[5] F	Pressure[3] psi	Ave. Por. %	Swr	Porosity[6] ft	Density[1] kg/m^3	SG[2]	density lb/gal	volume ft^3	volume bbl
132	4800	10.3	0.45	7.76105	890.75	0.89	7.44	4287	764

CONSTANTS

	SCF/mol	
Molar volume at STD	0.7915	
	g/mol	lb/mol
Molar weight of H_2S	34.0809	0.0751
Molar weight of CO_2	44.0096	0.0970
Molar weight of H_2O	18.015	0.0397

[1] Density calculated using AQUAlibrium software

[2] Specific gravity calculated assuming a constant density for water

[3] PP is extrapolated using successful Drill Stem Tests at nearby wells

[4] Thickness is the ave. total thickness of coarse sand units in the reservoir zone

[5] Reservoir temp. is extrapolated from bottomhole temp. measured at nearby wells

[6] Porosity is estimated using geophysical logs from nearby wells

CALCULATION OF MAXIMUM INJECTION PRESSURE LIMITATION

SG_{TAG}	0.86
PG = 0.2 + 0.433 (1.04-SG_{TAG})	0.277 psi/ft
IP_{max} = PG * Depth	2670 psi

Where: SG_{TAG} is specific gravity of TAG; PG is calculated pressure gradient; and IP_{max} is calculated maximum injection pressure.

CALCULATION OF 30 YEAR AREA OF INJECTION

Cubic Feet/day (5.6146 ft^3/bbl)	4287 ft^3/day
Cubic Feet/30 years	46976938 ft^3/30 years
Area = V/Net Porosity (ft)	6052910 ft^2/30 years
Area = V/Net Porosity (ft) (43560 ft^2/acre)	139.0 acre\/30 years
Radius =	1388 ft
	0.26 miles

Table 1b: Calculations for Area of Injection at Estimated Rate of 4.0 MMSCFD (100% Safety Factor)

PROPOSED INJECTION STREAM CHARACTERISTICS

TAG Gas vol MMSCFD	H_2S conc. mol %	CO_2 conc. mol %	H_2S inject rate lb/day	CO_2 inject rate lb/day	TAG inject rate lb/day
4	12.00	88.00	45563	431469	477032

CONDITIONS AT WELL HEAD

Well Head Conditions		TAG							
Temp F	Pressure psi	Gas vol MMSCFD	Comp CO_2:H_2S	Inject Rate lb/day	Density[1] kg/m^3	SG[2]	density lb/gal	volume ft^3	volume bbl
100	2200	4	88:12	477032	789.60	0.79	6.59	9673	1723

CONDITIONS AT BOTTOM OF WELL

Injection Zone Conditions					TAG				
Temp F	Pressure[3] psi	$Depth_{top}$ ft	$Depth_{bottom}$ ft	Ave. Thick. ft	Density[1] kg/m^3	SG[2]	density lb/gal	volume ft^3	volume bbl
132	5620	9637	10238	137	934.70	0.93	7.80	8171	1455

CONDITIONS IN RESERVOIR AT EQUILIBRIUM

Injection Reservoir Conditions					TAG				
Temp[5] F	Pressure[3] psi	Ave. Por. %	Swr	Porosity[6] ft	Density[1] kg/m^3	SG[2]	density lb/gal	volume ft^3	volume bbl
132	4800	10.3	0.45	7.76105	890.75	0.89	7.44	8574	1527

CONSTANTS

	SCF/mol	
Molar volume at STD	0.7915	
	g/mol	lb/mol
Molar weight of H_2S	34.0809	0.0751
Molar weight of CO_2	44.0096	0.0970
Molar weight of H_2O	18.015	0.0397

CALCULATION OF MAXIMUM INJECTION PRESSURE LIMITATION

SG_{TAG}	0.86
$PG = 0.2 + 0.433 (1.04 \cdot SG_{TAG})$	0.277 psi/ft
$IP_{max} = PG * Depth$	2670 psi

Where: SG_{TAG} is specific gravity of TAG; PG is calculated pressure gradient; and IP_{max} is calculated maximum injection pressure.

CALCULATION OF 30 YEAR AREA OF INJECTION

Cubic Feet/day (5.6146 ft^3/bbl)	8574 ft^3/day
Cubic Feet/30 years	93953876 ft^3/30 years
Area = V/Net Porosity (ft)	12105820 ft^2/30 years
Area = V/Net Porosity (ft) (43560 ft^2/acre)	277.9 acres/30 years
Radius =	1963 ft
	0.37 miles

[1] Density calculated using AQUAlibrium software

[2] Specific gravity calculated assuming a constant density for water

[3] PP is extrapolated using successful Drill Stem Tests at nearby wells

[4] Thickness is the ave. total thickness of coarse sand units in the reservoir zone

[5] Reservoir temp. is extrapolated from bottomhole temp. measured at nearby wells

[6] *Porosity is estimated using geophysical logs from nearby wells*

3.2 WELL DESIGN

While the injected fluid will be dehydrated, the line that will convey the TAG to the well from the existing compression facilities will be a 3 inch steel line (304 or 316) to provide added corrosion protection. The final design for the associated piping and layout of H_2S alarms and other safety equipment will be submitted for NMOCD review prior to commencement of injection operations as part of a revised Rule 11 plan. The schematic of the new AGI facilities and tie-in to the existing Frontier Plant are shown in Figure 4, and the preliminary design for the injection well is shown on Figure 5.

The proposed well (Maljamar AGI #2) will be an deviated well, spudded on property leased from the BLM by Frontier Field Services LLC.

The proposed well (Figure 5) will be drilled vertically to approximately 5,820 feet, and then deviated west northwesterly at approximately 29 degrees from the vertical, reaching a final total vertical depth of approximately 10,300 feet at a point approximately 2,500 feet west of the surface location. The total measured length of the well will be approximately 10,964 feet.

The well will have each string of the telescoping casing cemented to the surface and will include a subsurface safety valve (SSV) on the production tubing to assure that fluid cannot flow back out of the well in the event of a failure of the injection equipment. In addition, the annular space between the injection tubing and the well bore will be filled with an inert fluid such as diesel fuel as a further safety measure which is consistent with injection well designs which have been previously approved by NMOCD for acid gas injection.

Design and materials considerations include: placement of SSV and the packer, double casing through freshwater resources and shallow production zones [Dockum and Rustler Group (groundwater), Artesia Group and San Andres-Grayburg (oil and gas production)], characterization of the zone of injection, and a total depth (TD) ensuring identification of the reservoirs. Three casing strings are proposed (Figure 5):

1. Surface casing to approximately 890 feet, beneath the Triassic "Redbeds", to protect the fresh water.
2. Intermediate casing to approximately 5,700 feet, to isolate the Permian salt units (Salado/Castile) and the productive units in the Artesia Group (Yates and Queen) and the San Andres/Grayburg.
3. Production casing extending down to the final total depth (TVD ~10,306 feet, TMD ~ 10,964 feet). Following logging and analysis, the injection intervals will be determined, and the final depth of the long string, perforation zones and packer location will be selected.

A suitable drilling rig will be chosen for the job that will include a 5,000 psi blowout preventer (minimum) and choke manifold for any unforeseen pressures encountered. The borehole for the surface casing will be drilled with a 17 ½ inch bit to a depth of approximately 890 feet, and 13 $^{3}/_{8}$ inch, 48.0 ppf, H40, STC casing will be installed and cemented to the surface with approximately 1000 sacks of cement (or amount adequate to circulate the cement to the surface).

The intermediate hole will be drilled with a 12 ¼ inch bit to a depth of approximately 5,700 feet. There an 9 $^{5}/_{8}$ inch, 40.0 ppf, J55, LTC surface casing string will be run and cemented to surface with approximately 1,450 sacks of cement. Visual inspections of cement returns to the surface will be noted in both the conductor and surface pipe casing jobs. Casing and cement integrity will be demonstrated by pressure-testing after each cement job.

After verifying the cement integrity of the intermediate casing, the well will be drilled to the projected TMD of 10,964 feet using an 8 $^{3}/_{4}$ inch bit. We anticipate that the kickoff point for the deviated portion of the well will be at a depth of approximately 5,820 feet, or 120 feet below the base of the intermediate casing.

The proposed open hole logging suite for the TD run consists of a Dual Induction, Density-Neutron-Gamma Ray Porosity and Fracture Matrix Identification (FMI) log in the lower Leonard and the Wolfcamp and a portion of the caprock and basal seal formations, with rotary sidewall cores in the Wolfcamp. Since cores and detailed lithological analyses were performed in the AGI #1, similar cores will not be needed in this well.

After the logs have been evaluated, the production casing consisting of approximately 11,000 feet of 7 inch casing will be emplaced in 3 sections, shown in TMD distances, as:

1. 7", 26 ppf HCL-80 Premium to ~9,400' (MD 9,925')
2. 7", 26 ppf CRA SM-2535 Premium or equivalent at 9,622' (10,226 MD) (est.), and
3. 7" 26 ppf HCL-80 Premium at ~10,306' (10,994' MD)

To ensure complete cement bonding and filling throughout the inclined section of the production casing, at least one centralizer suitable for horizontal wells will be placed on each joint of casing.

The exact location of the 300 foot section of Corrosion Resistant Alloy (CRA) material (inserted into the string at the packer setting depth to provide a corrosion resistant seat for the packer) will be determined from log interpretation. The anticipated perforation zones will be between 10,238 to 10,886 feet TMD, but the exact zones will be determined after log analyses.

The production casing will be cemented in two stages to ensure zone isolation. After a diverter valve (DV) is placed in the production casing at approximately 9,624' (MD), acid-resistant cement (CORROSACEM™ or equivalent) will be pumped from the total depth (10,964' MD) to the DV, using approximately 250 sacks of cement. The lead of the second stage will be Class C conventional cement, and approximately 1,300 sacks will be pumped to a measured depth of approximately 1,000 feet MD. The final tail of the second stage will consist of approximately 150 sacks of conventional Class H cement, from 1,000 feet to the surface.

Once the cement has set up, the tubing adaptor for the wellhead will be welded on the wellhead and the rig will be released. A casing integrity (pressure test) will be performed to test the casing just prior to releasing the rig. Following successful testing and the release of the drilling rig, a workover rig will be used and a 360-degree cement bond log will be run to ascertain the quality of the cement bond of the production casing. It is important that a good bond be established around the injection interval as well as below the CRA joint to assure that acid gas mixed with formation water does not travel up the outside of the casing and negatively impact the integrity of the casing job.

Once the integrity of the cement job has been determined, the selected injection intervals will be perforated with approximately four shots per foot. At this location approximately 500 feet of target areas may be perforated. A temporary string of removable packer and tubing will be run, and injection tests (step tests) will be performed to determine the final injection pressures and volumes.

Once the reservoirs have been tested, the final tubing string including a permanent packer, approximately 10,183 feet of $2\ ^{7}/_{8}$ inch, 6.5 ppf, L80 ULTRA FX Premium thread tubing (or equivalent), and an SSV will be run into the well at approximately 295 feet. A ¼ inch Inconel steel line will connect the SSV to a hydraulic panel at the surface. Approximately 2 joints of CRA tubing (SM2535 or equivalent) will be placed immediately above the packer for corrosion prevention.

The National Association of Corrosion Engineers (NACE) issues guidelines for metals exposed to various corrosive gases such as those found in this well. For a H_2S/CO_2 stream of acid gas that is de-watered at the surface through successive stages of compression, downhole components such as the SSV and packer need to be constructed of Inconel 625, 925 or equivalent. The CRA joints will be constructed of a similar alloy from a manufacturer such as Sumitomo. A product such as SM2535 (with 50% nickel content) will likely be used. The gates, bonnets and valve stems within the Christmas tree will be nickel coated as well.

The rest of the Christmas tree will be made of standard carbon steel components and outfitted with annular pressure gauges that report operating pressure conditions in real time to a gas control center located remotely from the wellhead. In the case of abnormal pressures or any other situation requiring immediate action, the acid gas injection process can be stopped at the compressor and the wellhead shut-in using a hydraulically operated wing valve on the Christmas tree. The SSV provides a redundant safety feature to shut in the well in case the wing valve does not close properly.

After the AGI well is drilled and tested to assure that it will be able to accept the volume of injection fluid (without using acid gas), it will be completed with the approved injection equipment for the acid gas stream. The existing Rule 11 Plan will be modified when the compression facility design and well connection design is complete and will be submitted for NMOCD review and approval prior to commencement of TAG injection into the Frontier AGI #2 well. A Rule 11 Plan for the current facility at Maljamar was approved in 2013. This plan will be modified and resubmitted for approval prior to beginning injection in the AGI #2 to accommodate the additional well and surface piping.

4.0 REGIONAL AND LOCAL GEOLOGY AND HYDROGEOLOGY

4.1 GENERAL GEOLOGIC SETTING

The Frontier Gas Plant is located in the southern half of Section 21, T 17 S, R 32 E, in Lea County, New Mexico, approximately three miles southeast of Maljamar (Figure 1). The Plant is located within a physiographic area which has been referred to as the Querecho Plains by various authors including Nicholson & Clebsch (1961). This area is almost entirely covered at the surface by Holocene reddish brown dune sand underlain by a hard caliche surface or calcareous silts which may be found in buried valleys or internally drained Quaternary playas. These dune sands are locally stabilized with shin oak, mesquite and some burr-grass. There are no surface bodies of water or groundwater discharge sites within one mile of the Plant; and where drainages exist in interdunal areas, they are ephemeral, discontinuous, dry washes. A prominent outcrop of the Pliocene Ogallala Formation (Mescalero Ridge) trends to the northwest-southeast, immediately east of Maljamar. Beneath the Holocene and Quaternary deposits lies the underlying Triassic redbeds of the Dockum Group. The Triassic units are in turn underlain by the Rustler Formation and followed by the Ochoa series of evaporites including the Castile and the Salado Formations. Beneath these formations is the Permian sequence of the Delaware Basin described generally below.

4.2 BEDROCK GEOLOGY

Figure 6 is a generalized stratigraphic column showing the Permian Formations that underlie the Plant site. The Plant is located on the northern margin of the Delaware Basin province of the Permian Basin, where Permian rocks generally dip to the south as they transition from a sequence of shelf and shelf-edge carbonates and sandstones to basinal-equivalent shale, sandstones, and limestones to the west. Shallow production in the area is from the Yates, Seven Rivers, Queen, and San Andres Formations. Deeper production has been found in the Permian Paddock, and Yeso/Abo, the Pennsylvanian Cisco, Strawn and Morrow, and other targets in the Devonian and McKee (Ordovician). Please see Appendix C for additional information on oil and gas wells within the area of review. The estimated depths to formation tops based on the existing Maljamar AGI #1 are:

Formation Top	Depth to Top (Vertical Feet)	Depth to Top (Measured Depth)	Resource
Alluvium/Ogallala	0	0	Freshwater
Dockum/Rustler	200	200	Water
Yates	1,267	1,267	None
Seven Rivers	2,207	2,207	Oil/Gas
Queen	3,176	3,176	Oil/Gas
Grayburg	3,537	3,537	Oil/Gas
San Andres	3,931	3,931	Oil/Gas
Glorieta	5,571	5,571	Oil/Gas
Yeso	6,300	6,370	Oil/Gas
Tubbs	7,036	7,214	Oil/Gas
Top Abo	7,667	7,938	Oil/Gas
Top Lower Leonard	9,206	9,703	Barren
Wolfcamp	9,648	10,210	Barren
Cisco	10,238	10,886	Oil/Gas

4.3 LITHOLOGIC AND RESERVOIR CHARACTERISTICS OF THE WOLFCAMP

As seen in Figure 7, the area now underlain by the Plant was near to the shelf-basin topographic break in Wolfcamp time (290-270 million years old). Changes in eustatic and tectonic fluctuations in sea levels lead to the formation of numerous algal mound and associated detrital carbonate deposits along the inflection between the shallower shelf and the deeper basin. Higher sea levels favored the formation of algal mounds in this area, while lower sea levels caused the formation of debris fans between and below the mounds. This system has led to the deposition of similar "reef" and fan bodies throughout the Permian system, in the Abo, San Andres and Capitan formations (Figure 8).

The algal mounds and debris fans are tabular bodies, typically elongated along the paleoshoreline, with thickness up to several hundred feet, and lateral extents of hundreds of feet to several miles. Within these units, porosity can be as high as 20%. In the surrounding muddier carbonate lagoon facies, permeability and porosity are much reduced. This geometry creates discrete reservoirs within surrounding seal rocks. These types of reservoirs have produced hydrocarbons, such as in the Abo Empire field, but also have formed barren reservoirs with good potential for AGI development. Other similar, yet isolated and distinct, Wolfcamp mound and fan facies are the three zones completed by COG Operating LLC for two salt water disposal (SWD) wells approximately one mile south of the Frontier Plant (Figure 8).

4.4 SEISMIC AND LOG INTERPRETATION

An initial evaluation of the reservoirs was conducted during the planning of Maljamar AGI #1. Due to the discontinuous nature of the Wolfcamp mounds, we evaluated 3-D seismic data from a two square-mile area surrounding the Plant to specifically identify and characterize their thickness and lateral extent. Our analyses allowed us to identify three potential AGI reservoirs (lower Wolfcamp #3, lower Leonard #1, and lower Leonard #2) in the vicinity of the Frontier plant, and to provide quantitative estimates of reservoir extent and volume.

To calibrate the seismic velocities with known log data, three synthetic seismic logs were generated from acoustic logs from wells in the study area (Figure 9). This figure also summarizes a seismic structure interpretation of the top of the Wolfcamp. The structure map clearly shows the shelf-basin geometry in this area, and was used as a basic tool in further evaluation of the facies, lithologies and relative porosity of the target units. Seismic analyses, integrated with log data, shows that the Wolfcamp zone has the largest lateral extent and the greatest volume. The lower Leonard units may also have some potential as secondary targets.

Figure 10 shows the net porosity in the Wolfcamp zone. Here, at the location of the proposed AGI #2 injection point, there are 137 feet of reservoir with an average porosity of 10.3%. As seen in Tables 1a and 1b, when corrected for a residual water content of 0.45, this results in an effective net porosity of 7.76 feet.

After analysis of the geophysical and borehole logging of the proposed Maljamar AGI #2 well, specific zones will be selected for completion as AGI reservoirs. The seismic evaluation and log interpretations have given us confidence that:

- Effective AGI reservoirs exist in the area of the Frontier gas plant.
- The reservoirs are effectively isolated from any known or potential production in the area.
- Specific drilling programs, locations and completion targets can be selected in a safe, cost-effective and effective manner.

4.5 CALCULATED AREAS OF FLUID INJECTION

Based on the geology described in Section 4.4, anticipated range of injection volumes, and the injection pressures and temperatures in the reservoir (see Section 3.1 and Table 1a), we have calculated the range of injection areas for the anticipated ranges of injection volume, over an estimated 30-year life of the AGI well. These calculations are shown in Table 2, and shown in Figure 3.

As calculated in Section 3.1, each standard million cubic feet (MMSCF) of TAG at the surface will be compressed to approximately 764 barrels of supercritical fluid at reservoir pressures and temperature. Hence, a 30-year lifetime of injection will result in 8.4 million barrels in the reservoir per MMSCFD of TAG. As shown in the Table below, the Wolfcamp zone alone is capable of holding up to 3 times the anticipated injection rate for 30 years.

As shown in Figure 3, the proposed maximum injection rate of 2.0 MMSCFD will generate a "footprint" with an area of approximately 139 acres after considering the effect of irreducible water. This footprint will not impact any of the nearby active wells.

Table 2: Calculated Volumes and Areas of TAG in Wolfcamp Reservoir

Daily TAG Injection Volume (MMSCF)	Daily Volume of TAG in Reservoir (BBLS/D)	Total TAG Volume in Reservoir after 30 Years (BBLS)	Calculated Reservoir Volume in Wolfcamp (BBLS)	Percentage of Reservoir Occupied	Calculated Radii of Affected Area of Reservoir (Miles)	Affected Area of Reservoir (Acres)
2.0	764	8.4 Million	24 Million	35 %	0.26	139

4.6 FORMATION FLUID CHEMISTRY

Formation fluid chemistry for the Wolfcamp is available from three nearby wells: Baish A 012 (API # 3002520568) located in Sec. 21, T17S, R32E, approximately one mile southwest of the Frontier gas plant, Baish B 001 (API# 3002500637) located in Sec. 22, T17S, R32E, approximately 1.25 miles northeast of the Frontier gas plant, and the Maljamar AGI #1. The reference information for the formation fluids is included in Appendix A.

Parameter	BAISH A 012	BAISH B 001	Maljamar AGI #1
Mg^{++}	972	680	401
Na^{+}	52,298	34,704	84,400
$CO_3^{=}$	ND	ND	ND
$HCO_3^{=}$	1,220	481	195
$SO_4^{=}$	4,400	3,900	3340
Cl^{-}	50,000	33,000	132,000
Fe (free)	11	14	ND
pH	7.6	7.4	7.70
$CaCO_3$	1.4	0.9	ND

Analyses show that the formation waters are sodium/chloride brines.

Drilling data and laboratory analyses of formation fluids from the adjacent Maljamar AGI #1 showed that the Wolfcamp zone employed in this well and proposed for the AGI #2 contains no economical,

recoverable hydrocarbons. A copy of the demonstration of this conclusion is included in Appendix D. The formation fluid analyses for Maljamar AGI #1 are included also in Appendix A.

4.7 GROUNDWATER HYDROLOGY IN THE VICINITY OF THE PROPOSED INJECTION WELL

In the area of the Frontier Gas Plant, the surficial deposits are relatively thin layers of aeolian sands and both active and stabilized dunes. These materials are described in the *Soil Survey-Lea County, New Mexico* (United States Department of Agriculture, 1974) as the Kermit Dune Lands and the Maljamar Fine Sands. Under these sandy deposits lie the "redbeds" of the Triassic Dockum Group, in which ground water locally occurs in sandier beds of the mudrocks characterizing the Dockum. Local depth to groundwater in the Dockum is reported to be approximately 70 feet. The only significant aquifer in the area is the Pliocene Ogallala Formation, which crops out in the Mescalero Ridge, a prominent landform seen near Maljamar, approximately three miles northeast of the Plant (Nicholson and Clebsch, 1961).

The results of a search of the New Mexico State Engineer's online files for registered water wells in this area showed no reported wells within one mile of the injection point. The nearest well listed is in Section 3, T17S, R32E, approximately three miles north of the plant. This well is completed in the Ogallala Formation, and has a Total Dissolved Solids of approximately 500 mg/L (Nicholson and Clebsch, 1961).

5.0 OIL AND GAS WELLS IN THE MALJAMAR AGI #1 AREA OF REVIEW

Appendix B contains a complete list based on NMOCD records of all active, temporarily abandoned, abandoned and plugged oil and gas wells within the initial two mile radius area of review of the injection point (bottom hole location) of the proposed AGI #2 (Figure 11, Table B1). There are 772 recorded wells within this area, of which only 31 penetrate the Wolfcamp. Of these wells, 20 are active and 11 are plugged and abandoned.

Within one half mile of the proposed injection point there are only two wells identified that penetrate the Wolfcamp zone (Figure 12). Of these, one is active (the existing Maljamar AGI #1) and one is plugged (Queen B 036).

5.1 STATUS OF THE WOLFCAMP-PENETRATING WELL WITHIN ONE HALF MILE OF FRONTIER GAS PLANT

The Queen B 036 was plugged and abandoned in September 2004 with all original casing strings in place. The Wolfcamp interval was isolated by squeezed cement plugs at 9,974', 9,330' and 9,080'. Additional squeezed plugs were placed at 8,996', 8,834', 6,653', 5,485', and a cast iron bridge plug at 5,278'. Additional cement plugs were placed at 4,316', 3,586', 1,900', 1,060', and 875' and at the surface.

This well was properly plugged and should not act as a conduit from the injection zone.

A copy of the plugging diagrams and records for the Queen B 036 is included in Appendix B.

6.0 IDENTIFICATION AND REQUIRED NOTIFICATION OF OPERATORS, SUBSURFACE LESSEES, AND SURFACE OWNERS WITHIN THE AREA OF REVIEW

Geolex originally contracted with MBF Land Services in Roswell, New Mexico, to research land records in Lea County to obtain a listing of all operators, oil, gas and mineral lessees, and surface owners within a one mile radius of the proposed AGI well. Appendix C includes the data from that search. Currently we are in the process of having this land data updated and reviewed by an independent company so that all appropriate parties can be notified as required before the hearing.

Table C-1 lists operators within this one-mile radius, and Table C-2 lists the names and addresses of surface owners within the same one mile area of review. As shown in Table C-1, production in the area of review is controlled by two operators as currently listed by the NMOCD internet database. Appendix C also includes Table C-3 which lists the names and addresses of surface lessees of record in the area of review, Table C-4 lists businesses included in the area of review, as extracted from the Lea County land records, and Figure C-1 is a map showing the same data.

All of these operators, oil, gas and mineral lessees and surface owners within the one-mile area of review (confirmed and updated by the current land work) will be provided notice and an opportunity to review this application at least 20 days prior to the OCD Hearing, according to the requirements of Section XIV of the C-108 and NMOCD's current policy on applications for acid gas injection wells. A draft form of this notice to interested parties is included in Appendix C. A proposed public notice to be published at least 20 days prior to the NMOCD Hearing is also included in Appendix C.

7.0 AFFIRMATIVE STATEMENT OF LACK OF HYDRAULIC CONNECTION BETWEEN PROPOSED INJECTION ZONE AND KNOWN SOURCES OF DRINKING WATER

As part of the work performed to support this application, a detailed investigation of the structure, stratigraphy and hydrogeology of the area surrounding the proposed Maljamar AGI #2 injection well has been performed. The investigation included the analysis of available geologic data and hydrogeologic data from wells and literature identified in Sections 3, 4 and 5 above including related appendices. Based on this investigation and analysis of these data, it is clear that there are no open fractures, faults or other structures which could potentially result in the communication of proposed injection zone with any known sources of drinking water in the vicinity as described above in Sections 4 and 5 of this application. The proposed injection zone is a closed system.

Figures

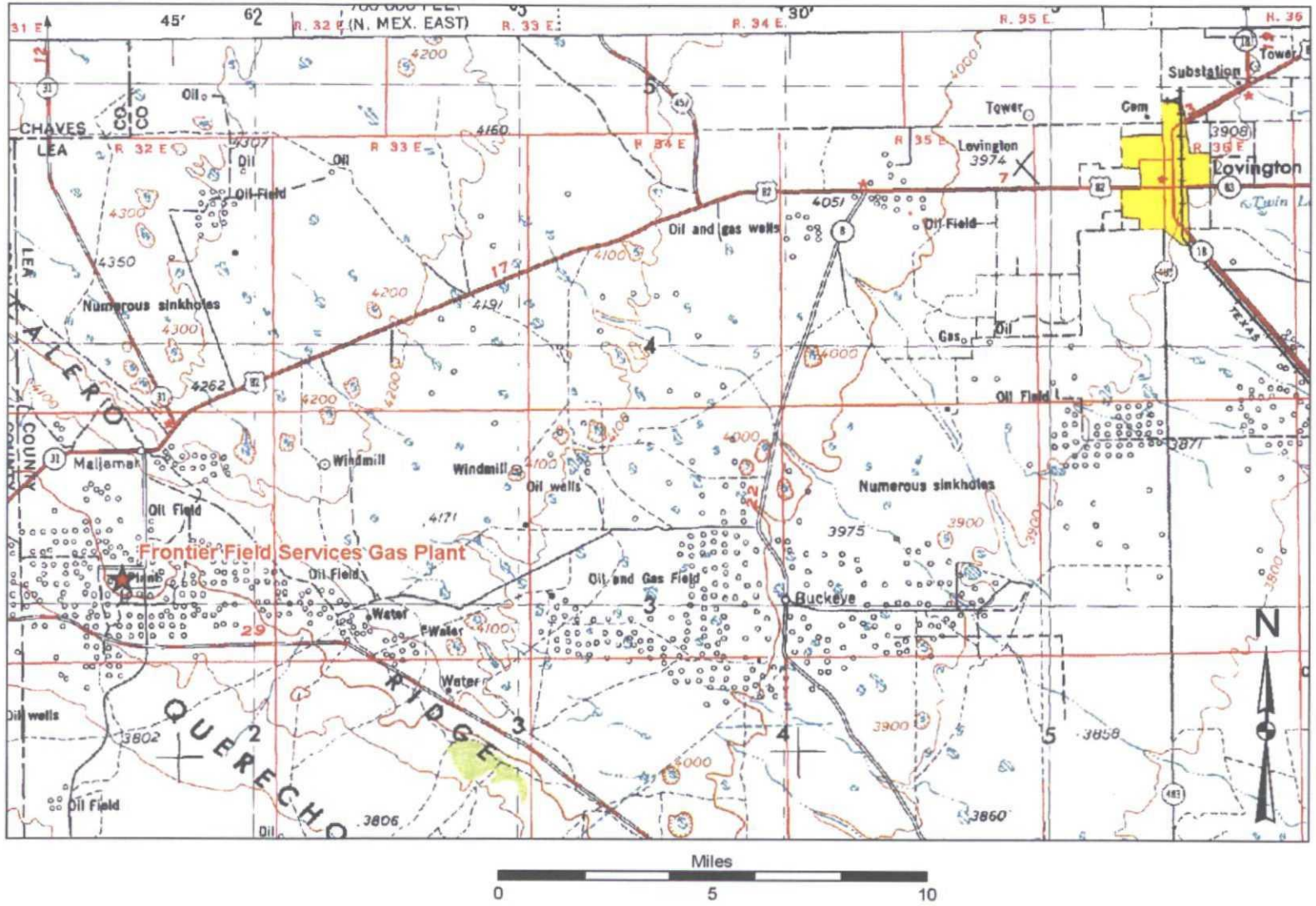


Figure 1: Location of Frontier Field Services Gas Plant

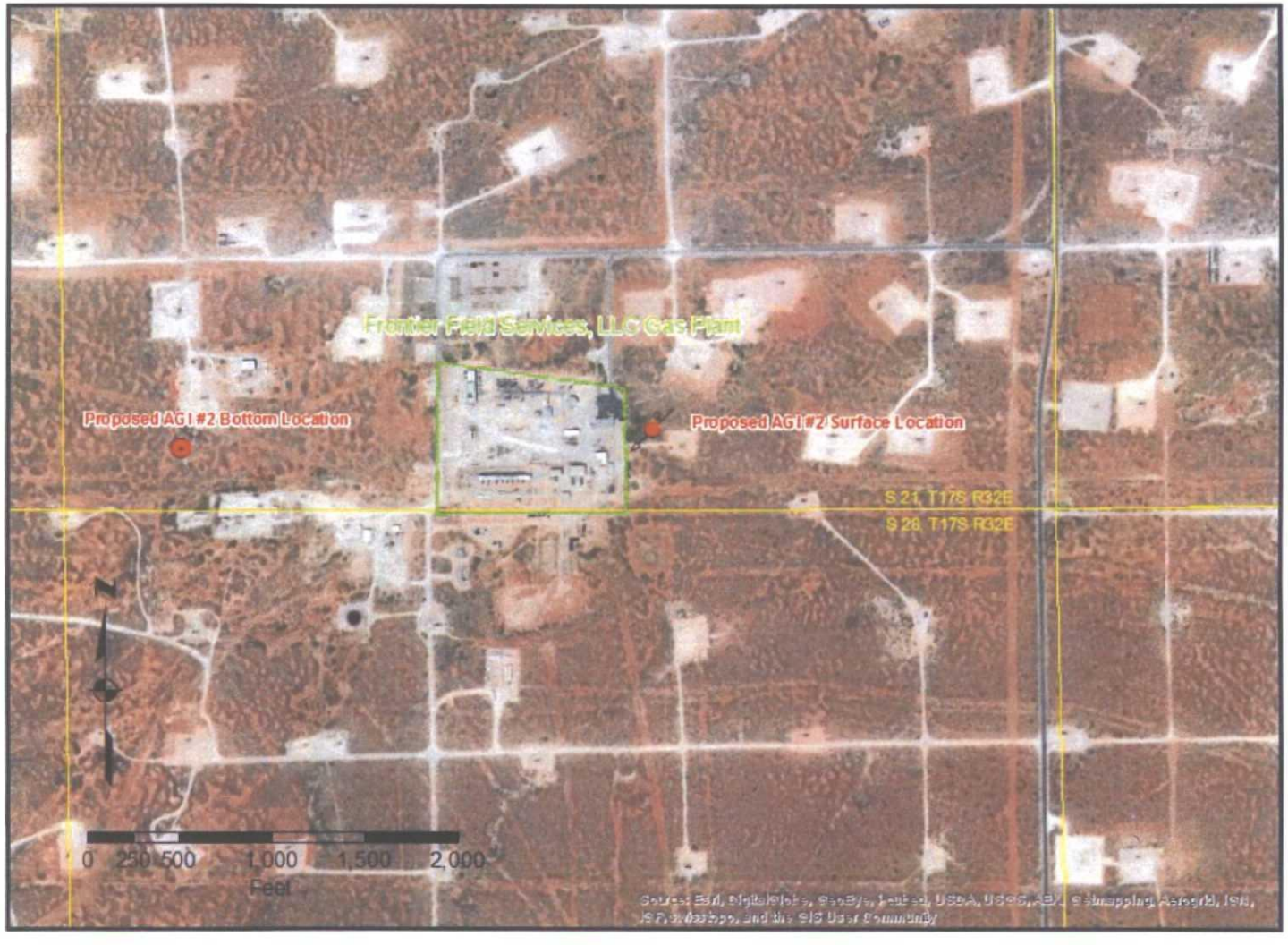


Figure 2: Locations of Surface and Bottomhole Locations of Proposed Maljamar AGI #2

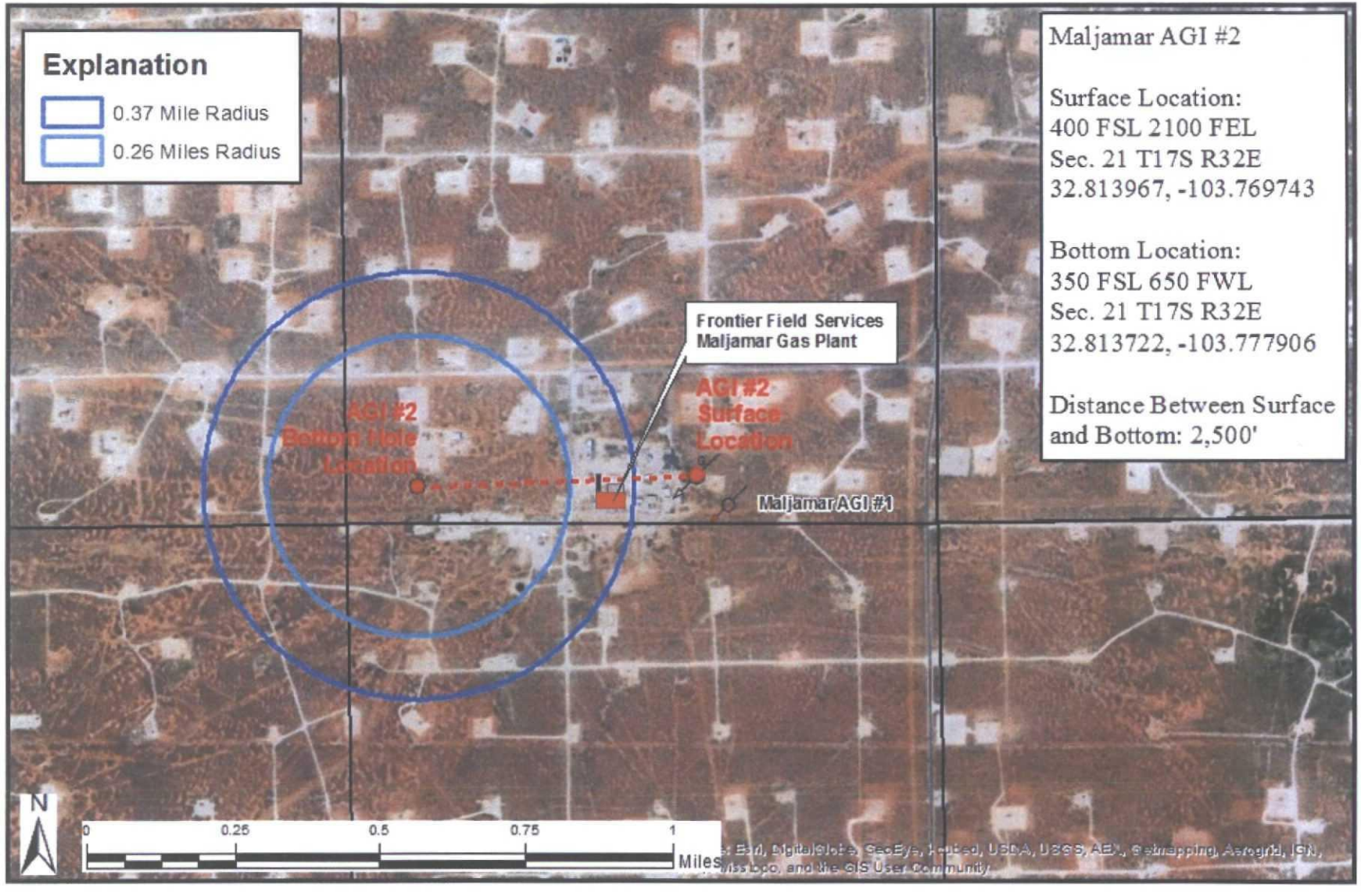


Figure 3: Calculated Radii of Injection after 30 Years at Injection Rates of 2.0 MMSCFD and 4.0 MMSCFD (100% Safety Factor)

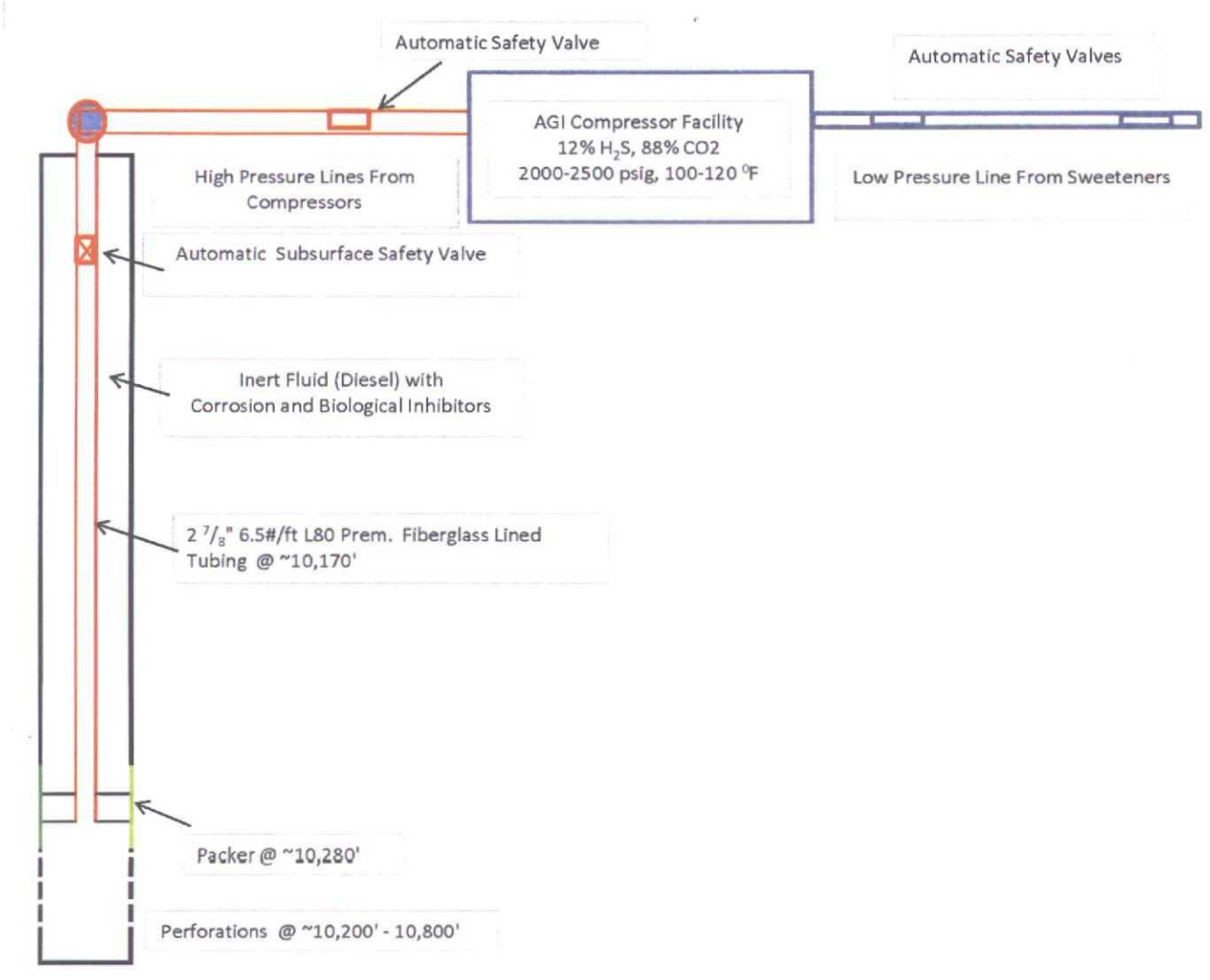


Figure 4: Schematic of Injection System, Maljamar AGI #2

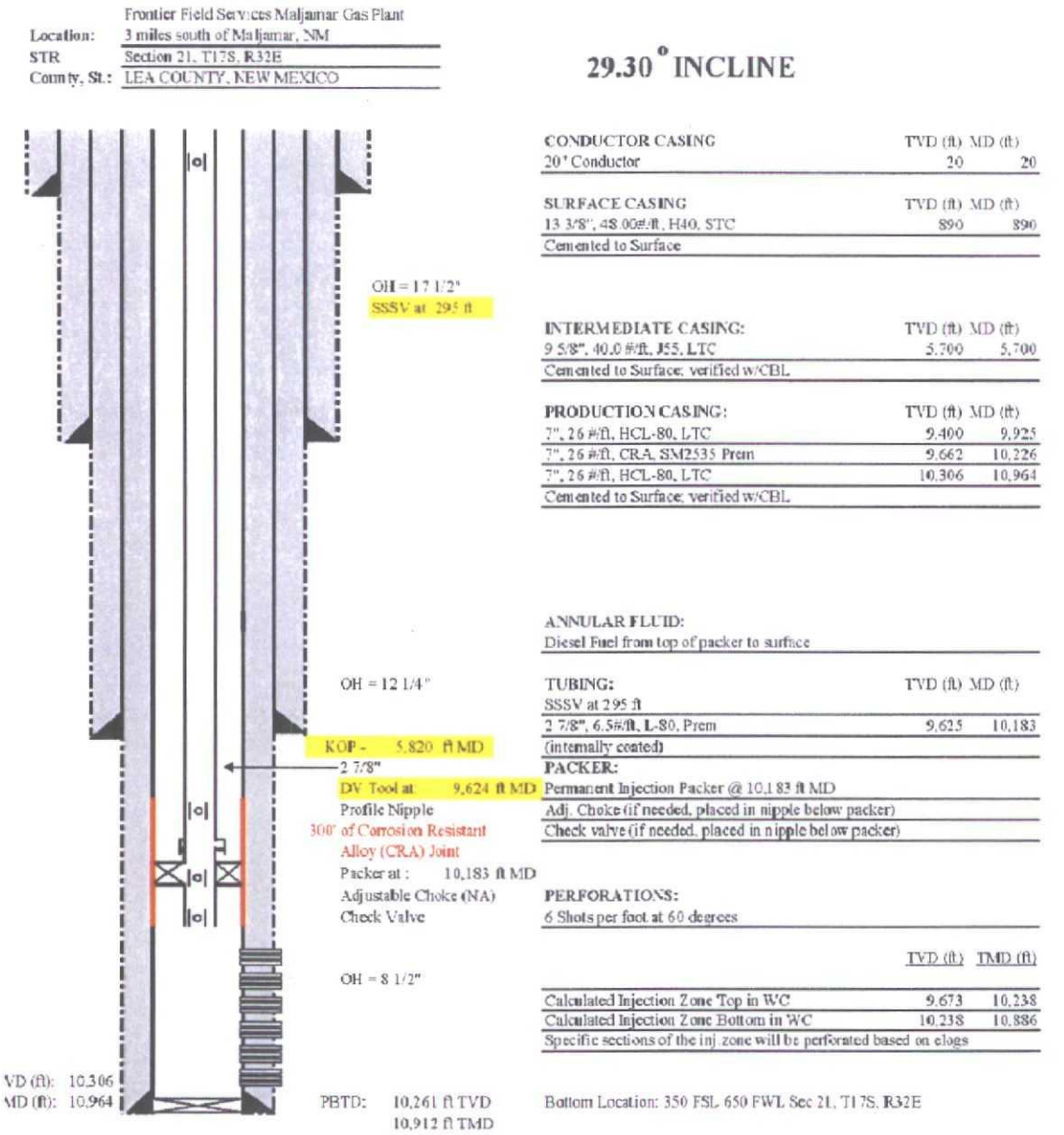


Figure 5: Schematic Diagram of Proposed Maljamar AGI #2

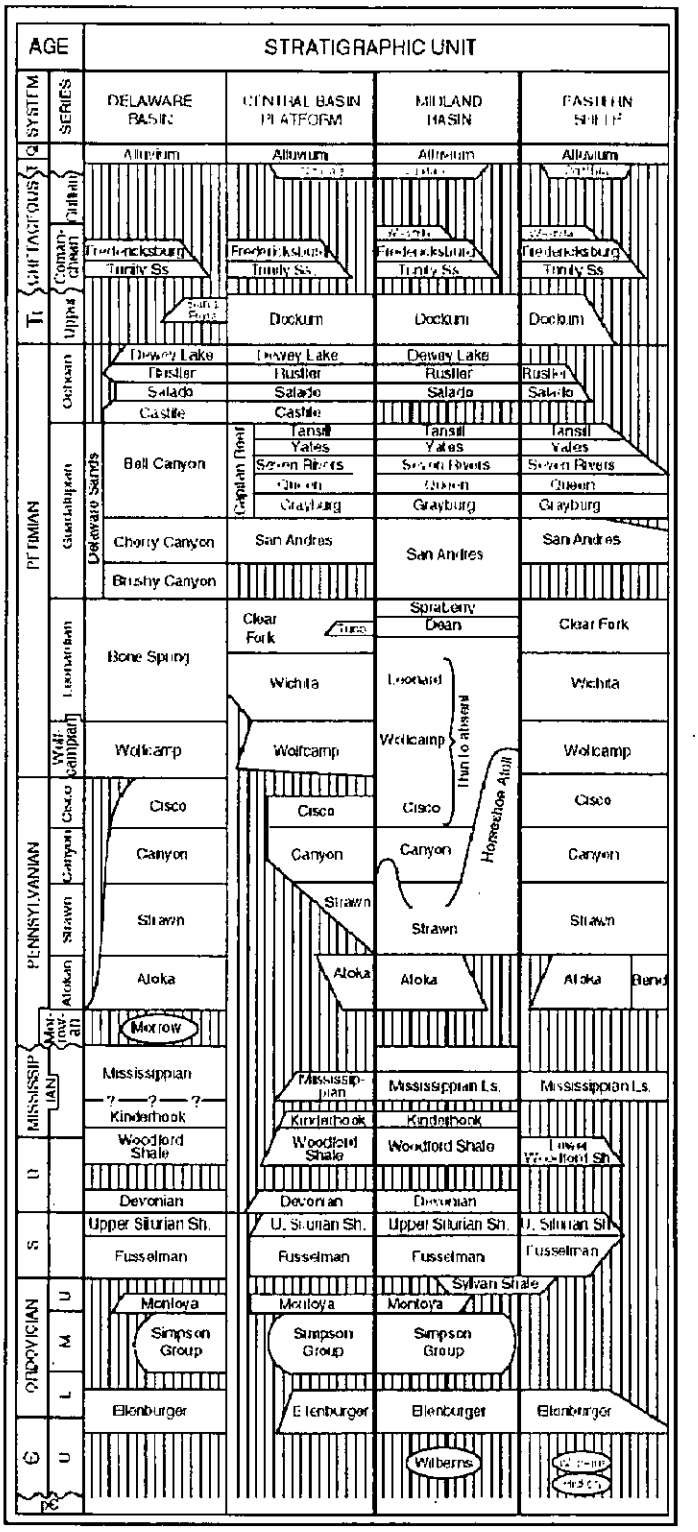


Figure 6: General Stratigraphy of the Maljamar, NM Area

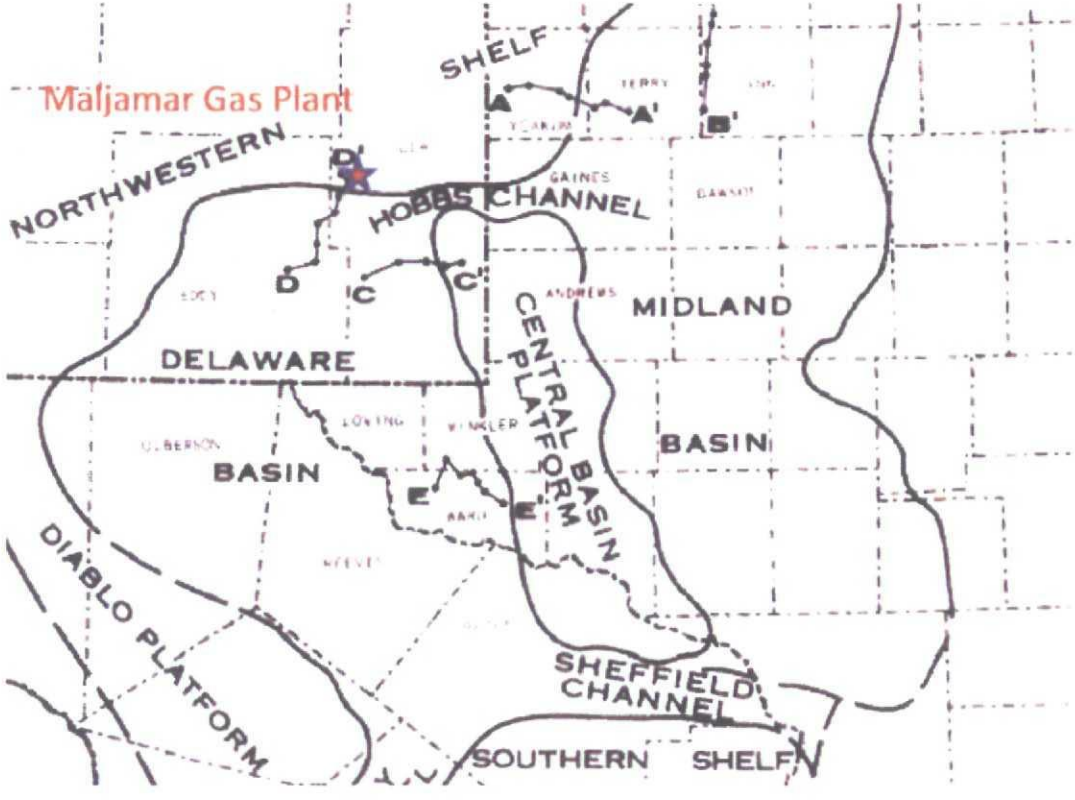
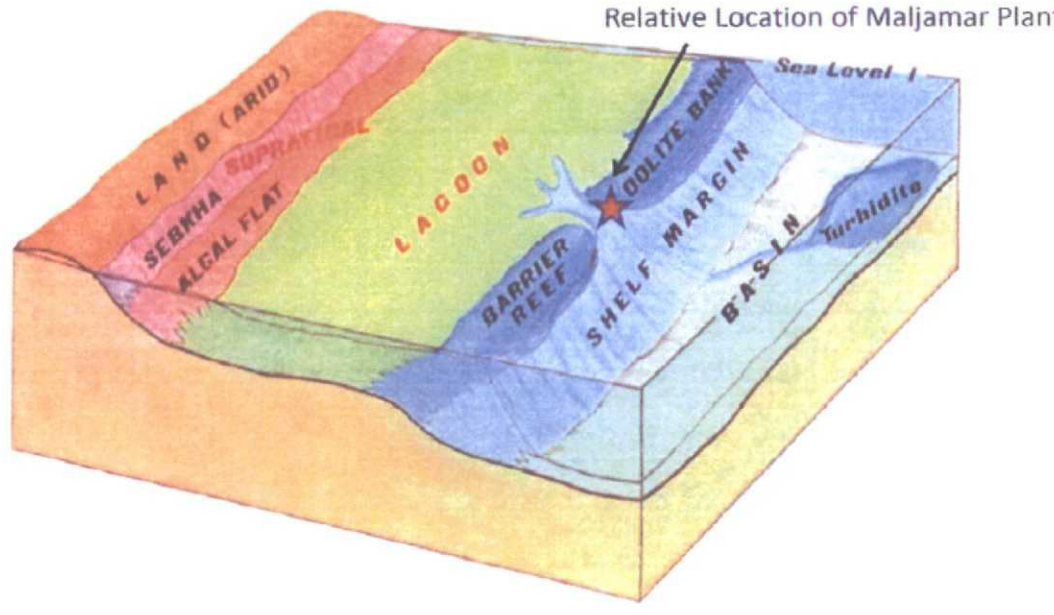


Figure 7: Structural Features of the Permian Basin



Note: Isolated detrital carbonated and reef mounds in general stratigraphic intervals of lower Leonard and Wolfcamp have limited areal extent and are confined by fine-grained deeper basin sediments.

Figure 8: Schematic Wolfcamp Depositional Environments in the Area of the Maljamar Gas Plant

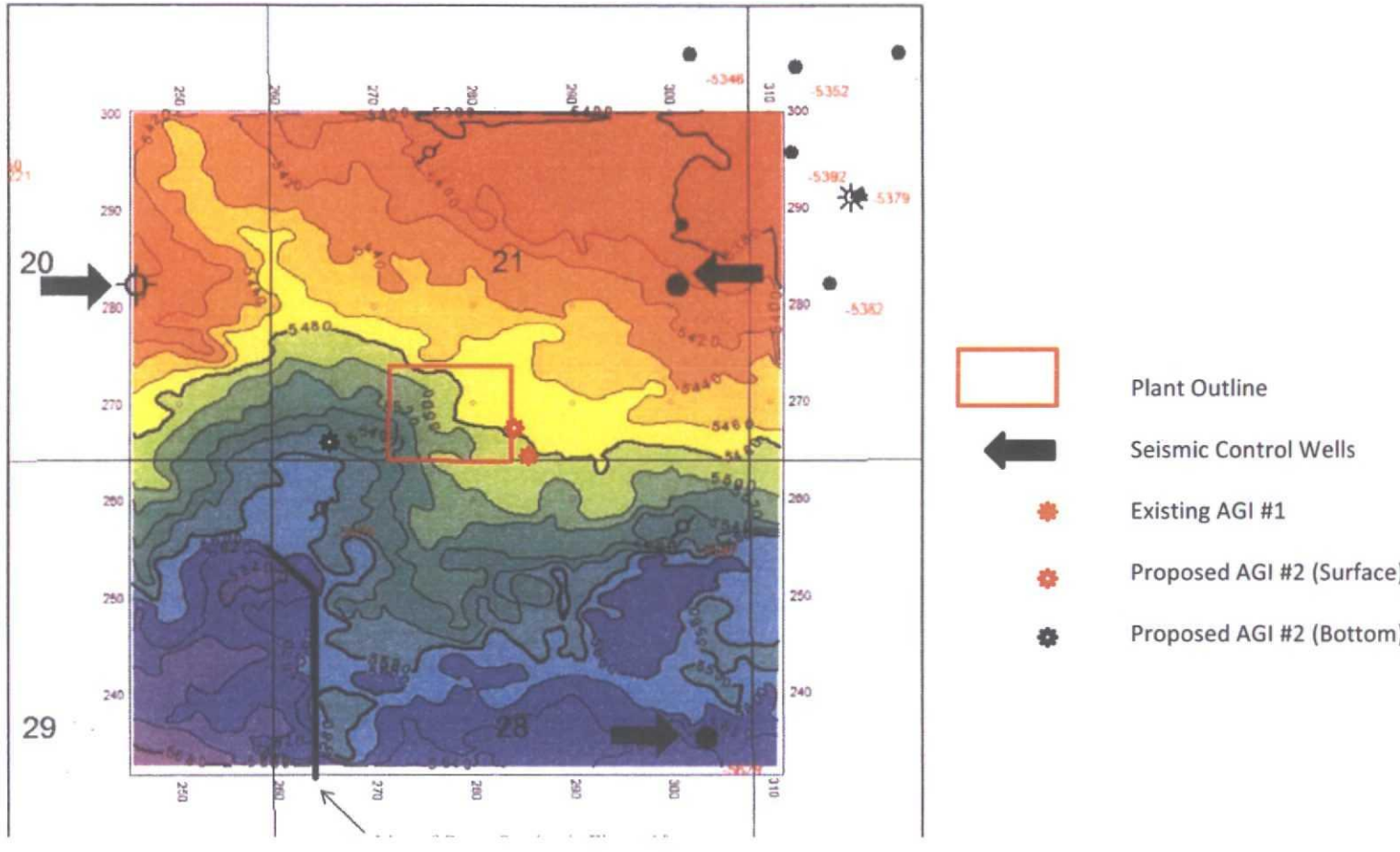


Figure 9: Structure on Top of Wolfcamp from 3-D Seismic Interpretation

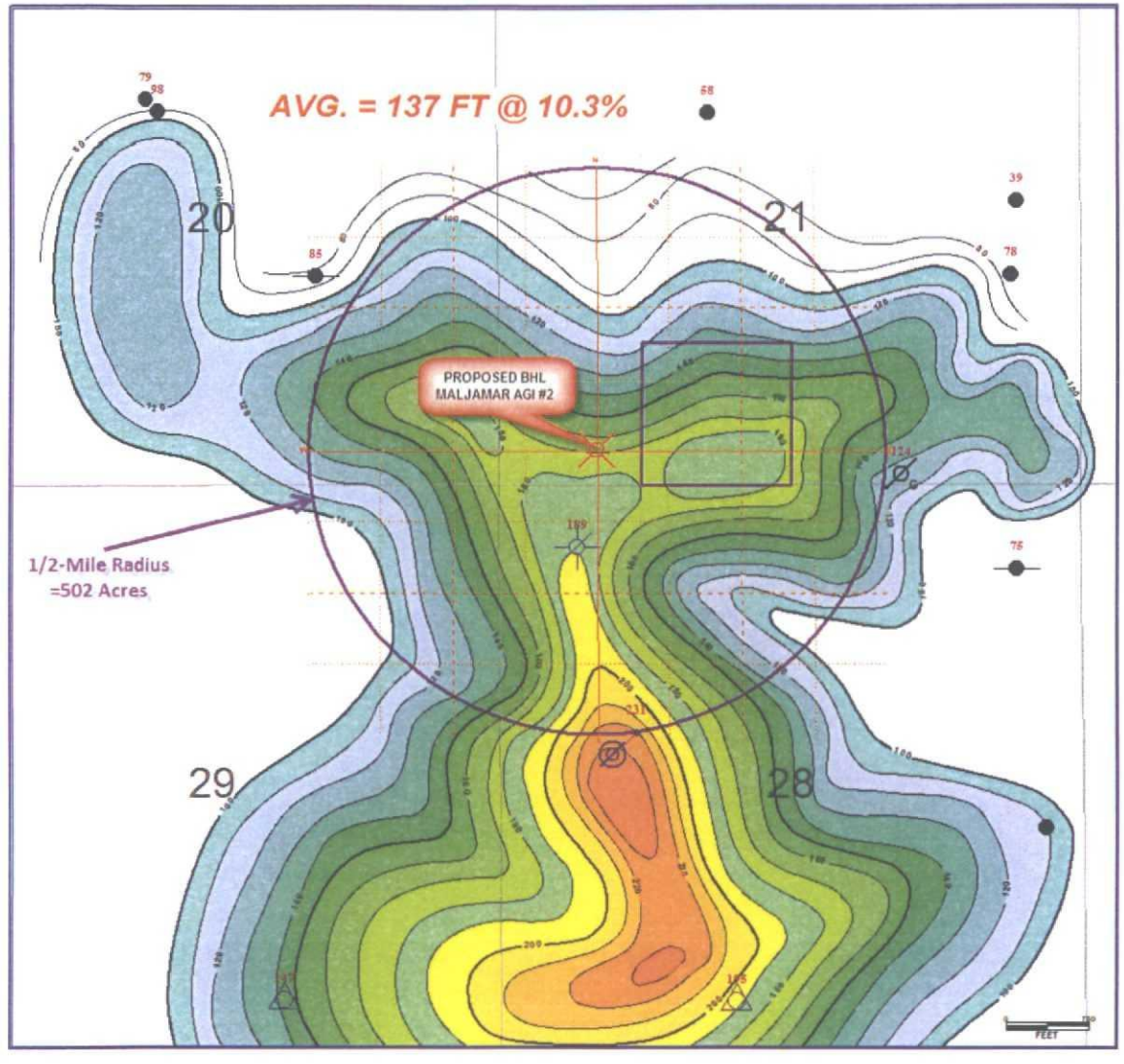


Figure 10: Net Porosity in Wolfcamp Zone

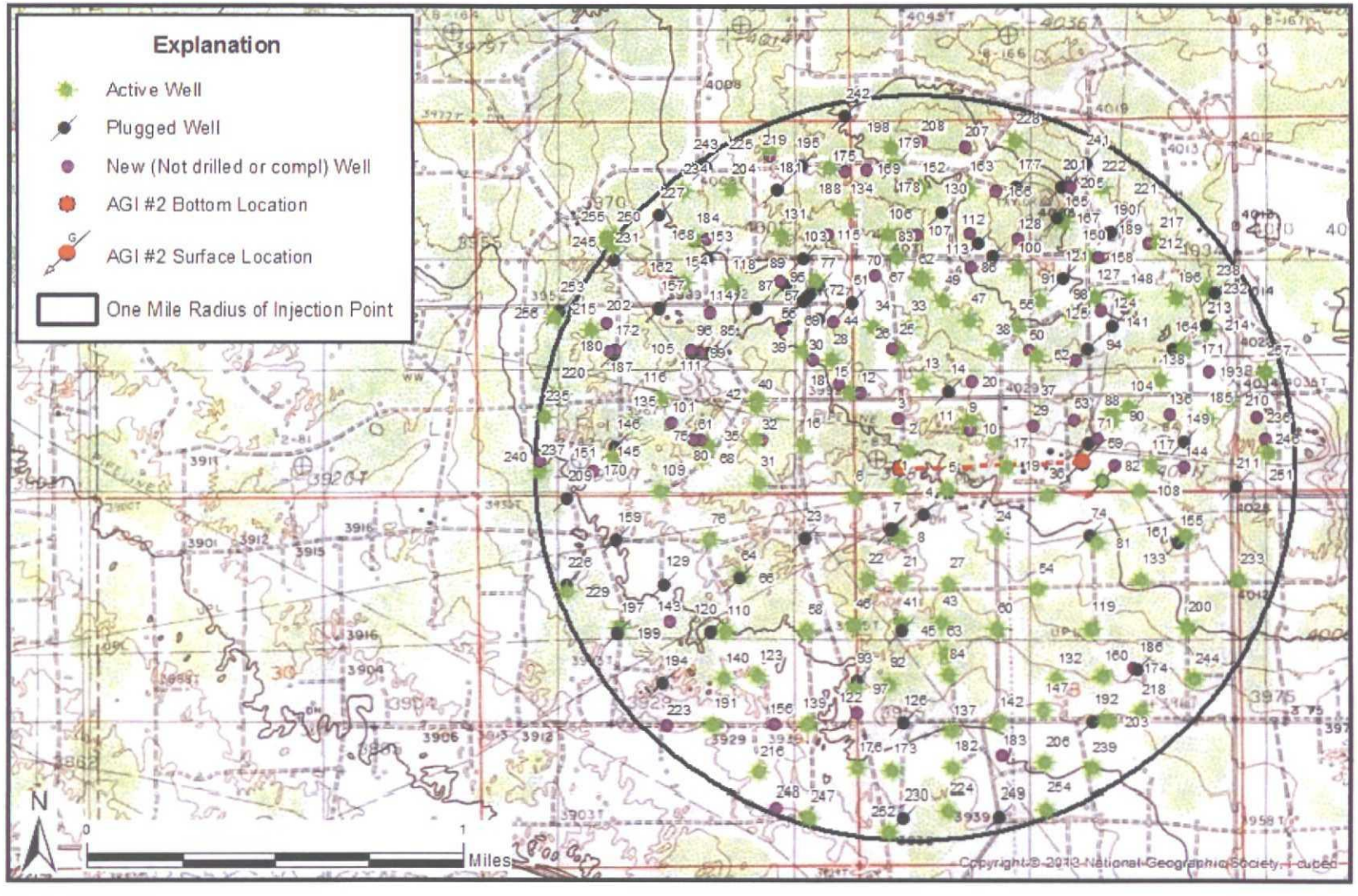


Figure 10: Map Showing Wells Within 2-Miles of AGI #2 Injection Zone

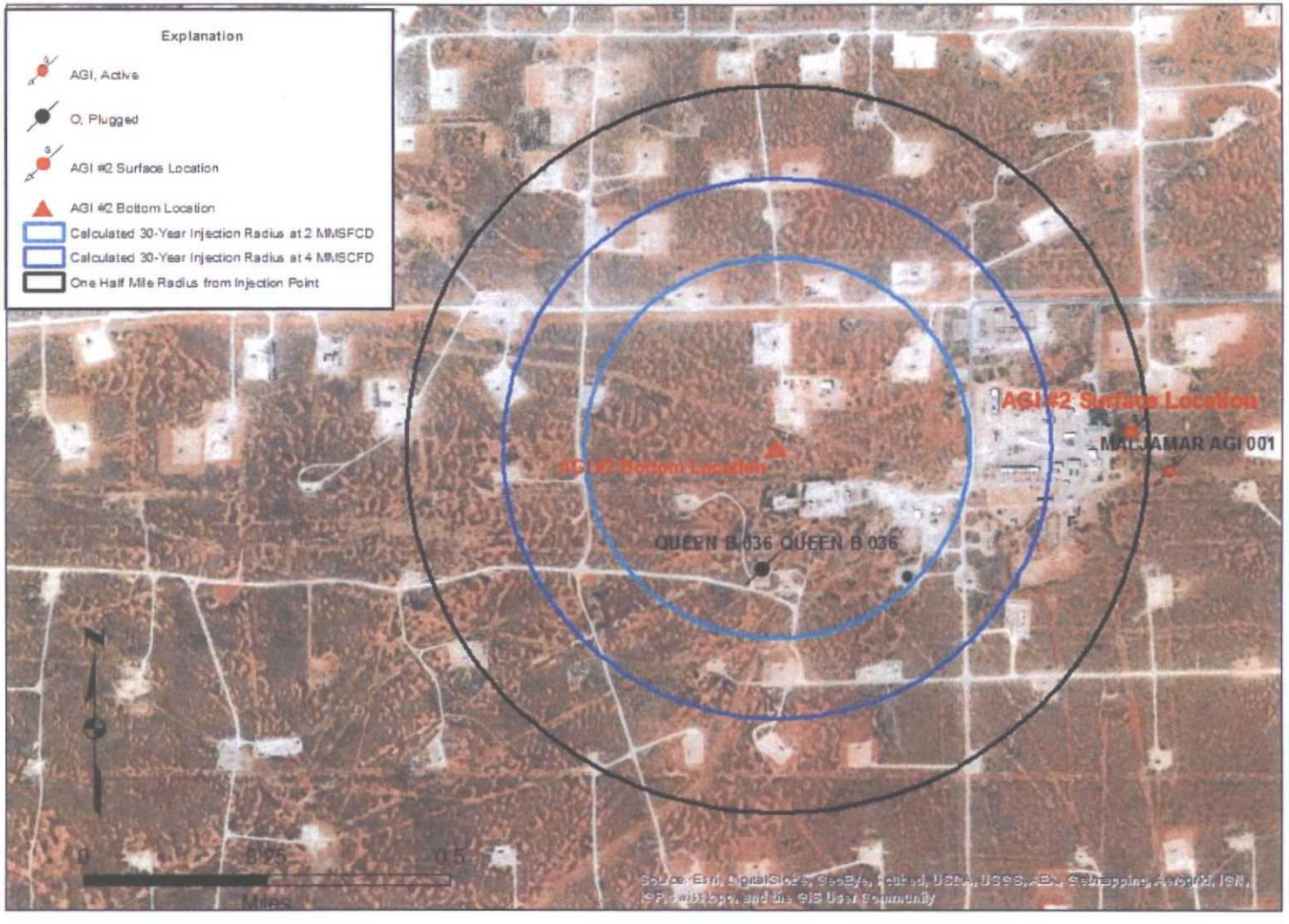


Figure 12: Wells Penetrating Wolfcamp Within One Half Mile of Proposed AGI #2 Injection Point

APPENDIX A

Wolfcamp Formation Fluid Analyses and Analyses of Frontier Maljamar Gas Plant TAG

Formation Fluid Analyses, Nearby Wells

Table A-1. Wolfcamp Formation Fluid Analyses

	Wolfcamp Formation	
Parameter	Baish A - 5/1/81 mg/L	Baish B - 5/1/81 mg/L
Ca^{2+}	972	680
Mg^{2+}	2360	2000
Na^{+} (calc.)	57,298	34,704
CO_3^{2-}	0	0
HCO_3^{2-}	1220	481
SO_4^{2-}	4400	3900
Cl^{-}	50,000	33,000
H_2S	strong	strong
Iron (free)	11	14
pH	7.6	7.4
SG		
O_2 (free)		
$CaCO_3$ S.I.	1.4	0.9
$CaSO_4$ S.I.	neg	neg

Data from SWD C-108 application for API # 30-025-00751, NMOCD files

LOCATION _____ FIELD Wasp - Jenkins WATER ANALYSIS

	mg/L	meq/L	mg/L	meq/L	mg/L	meq/L
(Ca^{++})	772		1080		1507	124
(Mg^{++})	2360		2000		1723	86
(Na^{+}) Calc.	52398		34764		20655	898
($CO_3^{=}$)	0		0		0	
($HCO_3^{=}$)	1220		451		915	15
($SO_4^{=}$)	9400		3900		1050	21.8
(Cl^{-})	82 [illegible]		33000		38,000	1071
H_2S	[illegible]		STR		1190	69.8
IRON (From)	11		14		3.8	
PH @ °F	7.6		7.4		6.25	
Sp. Gr. @ °F					1.04	
O_2 (From)	5				9.3	
$CaCO_3$ S.I.	1.4		.7		-1.6	
$CaSO_4$ S.I.	Neg		neg		-1.9	
BY.... DATED	Champion 5-1-81		Champion 5-1-81		CRD 10-19 81	
	Basin A		Basin B		MCA Blk 2	

Wolfcamp Water Sample - Zone To Be Disposed into

MCA Unit (G-SA) Water to be Injected

Formation Fluid Analyses, Maljamar AGI #1

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 22, 2012

RUSSELL BENTLEY

P B ENERGY

16285 PARK TEN PLACE, SUITE 400

HOUSTON, TX 77084

RE: MALJAMAR AGI #1

Enclosed are the results of analyses for samples received by the laboratory on 10/03/12 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list on accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

P B ENERGY 16285 PARK TEN PLACE, SUITE 400 HOUSTON TX, 77084	Project: MALJAMAR AGI #1 Project Number: NONE GIVEN Project Manager: RUSSELL BENTLEY Fax To: (281) 589-5865	Reported: 22-Oct-12 12:07

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
#1	H202416-01	Water	03-Oct-12 00:00	03-Oct-12 16:55
#2	H202416-02	Water	03-Oct-12 00:00	03-Oct-12 16:55

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

P B ENERGY 16285 PARK TEN PLACE, SUITE 400 HOUSTON TX, 77084	Project: MALJAMAR AGI #1 Project Number: NONE GIVEN Project Manager: RUSSELL BENTLEY Fax To: (281) 589-5865	Reported: 22-Oct-12 12:07

#1

H202416-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories									
Inorganic Compounds									
Alkalinity, Bicarbonate	**195**	5.00	mg/L	1	2091506	HM	17-Oct-12	310.1	
Calcium	**1560**	1.60	mg/L	1	2091504	HM	17-Oct-12	SM3500Ca-D	
Alkalinity, Carbonate	ND	0.00	mg/L	1	2091506	HM	17-Oct-12	310.1	
Chloride*	**132000**	4.00	mg/L	1	2100807	CK	17-Oct-12	4500-Cl-B	
Conductivity*	**376000**	1.00	uS/cm	1	2101702	HM	16-Oct-12	120.1	
Density	**1.145**		g/mL	4	2101719	HM	17-Oct-12	SM 2710F	
Magnesium	**401**	1.00	mg/L	1	2091504	HM	17-Oct-12	SM3500Mg-E	
pH*	**7.70**	0.100	pH Units	1	2101702	HM	16-Oct-12	150.1	
Potassium	**325**	1.00	mg/L	1	2091504	HM	17-Oct-12	HACH 8049	
Sodium	**84400**	1.00	mg/L	1	2091504	HM	17-Oct-12	Calculation	
Sulfate*	**3340**	10.0	mg/L	1	2101204	AP	12-Oct-12	375.4	
TDS*	**225000**	5.00	mg/L	1	2101003	HM	10-Oct-12	160.1	
Alkalinity, Total*	**160**	4.00	mg/L	1	2091506	HM	24-Sep-12	310.1	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

P B ENERGY 16285 PARK TEN PLACE, SUITE 400 HOUSTON TX, 77084	Project: MALJAMAR AGI #1 Project Number: NONE GIVEN Project Manager: RUSSELL BENTLEY Fax To: (281) 589-5865	Reported: 22-Oct-12 12:07

#2

H202416-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories									
Inorganic Compounds									
Alkalinity, Bicarbonate	**317**	5.00	mg/L	1	2091506	HM	17-Oct-12	310.1	
Calcium	**1440**	1.60	mg/L	1	2091504	HM	17-Oct-12	SM3500Ca-D	
Alkalinity, Carbonate	ND	0.00	mg/L	1	2091506	HM	17-Oct-12	310.1	
Chloride*	**126000**	4.00	mg/L	1	2100807	CK	17-Oct-12	4500-Cl-B	
Conductivity*	**365000**	1.00	uS/cm	1	2101702	HM	16-Oct-12	120.1	
Density	**1.135**		g/mL	4	2101719	HM	17-Oct-12	SM 2710F	
Magnesium	**510**	1.00	mg/L	1	2091504	HM	17-Oct-12	SM3500Mg-E	
pH*	**7.51**	0.100	pH Units	1	2101702	HM	16-Oct-12	150.1	
Potassium	**340**	1.00	mg/L	1	2091504	HM	17-Oct-12	HACH 8049	
Sodium	**80700**	1.00	mg/L	1	2091504	HM	17-Oct-12	Calculation	
Sulfate*	**3710**	10.0	mg/L	1	2101204	AP	12-Oct-12	375.4	
TDS*	**213000**	5.00	mg/L	1	2101003	HM	10-Oct-12	160.1	
Alkalinity, Total*	**260**	4.00	mg/L	1	2091506	HM	17-Oct-12	310.1	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

P B ENERGY 16285 PARK TEN PLACE, SUITE 400 HOUSTON TX, 77084	Project: MALJAMAR AGI #1 Project Number: NONE GIVEN Project Manager: RUSSELL BENTLEY Fax To: (281) 589-5865	Reported: 22-Oct-12 12:07

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2091504 - * DEFAULT PREP *** **										
Blank (2091504-BLK1)				Prepared: 13-Sep-12 Analyzed: 15-Sep-12						
Calcium	ND	1.60	mg/L							
Magnesium	ND	1.00	mg/L							
Potassium	ND	1.00	mg/L							
LCS (2091504-BS1)				Prepared: 13-Sep-12 Analyzed: 15-Sep-12						
Calcium	20.8		mg/L	20.0		104	80-120			
Magnesium	53.5		mg/L	50.0		107	80-120			
Potassium	3.10		mg/L	3.00		103	80-120			
Duplicate (2091504-DUP1)	Source: H202190-01			Prepared: 13-Sep-12 Analyzed: 15-Sep-12						
Magnesium	486	1.00	mg/L		583			18.1	20	
Potassium	800	1.00	mg/L		825			3.08	20	
Calcium	2770	1.60	mg/L		2640			4.81	20	
Batch 2091506 - General Prep - Wet Chem										
Blank (2091506-BLK1)				Prepared & Analyzed: 12-Sep-12						
Alkalinity, Carbonate	ND	0.00	mg/L							
Alkalinity, Bicarbonate	ND	5.00	mg/L							
Alkalinity, Total	ND	4.00	mg/L							
LCS (2091506-BS1)				Prepared & Analyzed: 12-Sep-12						
Alkalinity, Carbonate	ND	0.00	mg/L				80-120			
Alkalinity, Bicarbonate	132	5.00	mg/L				80-120			
Alkalinity, Total	108	4.00	mg/L	100		108	80-120			
LCS Dup (2091506-BSD1)				Prepared & Analyzed: 12-Sep-12						
Alkalinity, Carbonate	ND	0.00	mg/L				80-120		20	
Alkalinity, Bicarbonate	137	5.00	mg/L				80-120	3.72	20	
Alkalinity, Total	112	4.00	mg/L	100		112	80-120	3.64	20	

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*=Accredited Analyte

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CARDINAL Laboratories

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Analytical Results For:

P B ENERGY 16285 PARK TEN PLACE, SUITE 400 HOUSTON TX, 77084	Project: MALJAMAR AGI #1 Project Number: NONE GIVEN Project Manager: RUSSELL BENTLEY Fax To: (281) 589-5865	Reported: 22-Oct-12 12:07

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2100807 - General Prep - Wet Chem										
Blank (2100807-BLK1)				Prepared & Analyzed: 08-Oct-12						
Chloride	ND	4.00	mg/L							
LCS (2100807-BS1)				Prepared & Analyzed: 08-Oct-12						
Chloride	100	4.00	mg/L	100		100	80-120			
LCS Dup (2100807-BSD1)				Prepared & Analyzed: 08-Oct-12						
Chloride	104	4.00	mg/L	100		104	80-120	3.92	20	
Batch 2101003 - Filtration										
Blank (2101003-BLK1)				Prepared & Analyzed: 09-Oct-12						
TDS	ND	5.00	mg/L							
LCS (2101003-BS1)				Prepared & Analyzed: 09-Oct-12						
TDS	251		mg/L	240		105	80-120			
Duplicate (2101003-DUP1)		**Source: H202447-01**		Prepared & Analyzed: 09-Oct-12						
TDS	5320	5.00	mg/L		5380			1.12	20	
Batch 2101204 - General Prep - Wet Chem										
Blank (2101204-BLK1)				Prepared & Analyzed: 12-Oct-12						
Sulfate	ND	10.0	mg/L							
LCS (2101204-BS1)				Prepared & Analyzed: 12-Oct-12						
Sulfate	16.7	10.0	mg/L	20.0		83.6	80-120			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

P B ENERGY 16285 PARK TEN PLACE, SUITE 400 HOUSTON TX, 77084	Project: MALJAMAR AGI #1 Project Number: NONE GIVEN Project Manager: RUSSELL BENTLEY Fax To: (281) 589-5865	Reported: 22-Oct-12 12:07

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2101204 - General Prep - Wet Chem										
LCS Dup (2101204-BSD1)				Prepared & Analyzed: 12-Oct-12						
Sulfate	19.3	10.0	mg/L	20.0		96.6	80-120	14.4	20	
Batch 2101702 - General Prep - Wet Chem										
LCS (2101702-BS1)				Prepared & Analyzed: 16-Oct-12						
Conductivity	496		uS/cm	500		99.2	80-120			
pH	7.08		pH Units	7.00		101	90-110			
Duplicate (2101702-DUP1)		**Source: H202484-01**		Prepared & Analyzed: 16-Oct-12						
pH	7.27	0.100	pH Units		7.23			0.552	20	
Conductivity	5460	1.00	uS/cm		5450			0.183	20	

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*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Parsons / PB Energy	BILL TO	
Project Manager:	Russell Bentley	P.O. #:	
Address:		Company:	
City:	State: Zip:	Attn:	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:	Maljamar AGI #1	State: Zip:	
Project Location:	Maljamar, NM	Phone #:	
Sampler Name:	Russell Bentley	Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWATER / WASTEWATER / SOIL / OIL / SLUDGE / OTHER:	PRESERV: ACID/BASE / ICE / COOL / OTHER	SAMPLING DATE	SAMPLING TIME	ANALYSIS REQUEST: Cation/Anion	NH4 * Not enough sample	NO3 * Not enough sample	TDS	Density
H202416-1	#1		1	✓		10/3/12		✓	✓	✓	✓	✓
-2	#2		1	✓				✓	✓	✓	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 10/3/12 Time: 4:55	Received By: Jodi Henson	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
	Time:		REMARKS: email invoice Bentley RE@pbworld.com
Delivered By: (Circle One)	Sample Condition: Cool ☐ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:	28°C		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

#26

Gas Analyses, Maljamar Gas Plant TAG

MANLEY GAS TESTING, INC.
P.O. DRAWER 193 ODESSA, TEXAS 79760
OFFICE(432)367-3024 FAX(432)367-1166 E-MAIL: MANLEYGAST@AOL.COM

CHARGE..... 150 - 0
REC. NO. 14
TEST NUMBER.. 9693

DATE SAMPLED..... 01-24-11
DATE RUN..... 02-02-11
EFFEC. DATE..... 02-01-11

STATION NO. ... 06311001

PRODUCER ..... FRONTIER FIELD SERVICES

SAMPLE NAME.... ACID GAS FLARE TYPE: SPOT

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE ..... 14.1 PSIA FLOWING TEMPERATURE ..... 87 F

SAMPLED BY: BM CYLINDER NO. ... 037

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)	
HYDROGEN SULFIDE...	11.500		
NITROGEN.....	0.573		
CARBON DIOXIDE.....	85.850		
METHANE.....	1.602		
ETHANE.....	0.296	0.079	H2S PPMV = 115000
PROPANE.....	0.105	0.029	
ISO-BUTANE.....	0.007	0.002	
NOR-BUTANE.....	0.026	0.008	
ISO-PENTANE.....	0.005	0.002	'Z' FACTOR (DRY) = 0.9940
NOR-PENTANE.....	0.007	0.003	'Z' FACTOR (WET) = 0.9936
HEXANES +.....	0.029	0.013	
TOTALS	100.000	0.136	CALC. MOL. WT. = 42.30

..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY 1.4690

REAL, WET 1.4549

..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY 27

BTU/CF - REAL, WET 27

DISTRIBUTION AND REMARKS:

ENTERED

ANALYZED BY: JT
** R **

APPROVED:

APPENDIX B

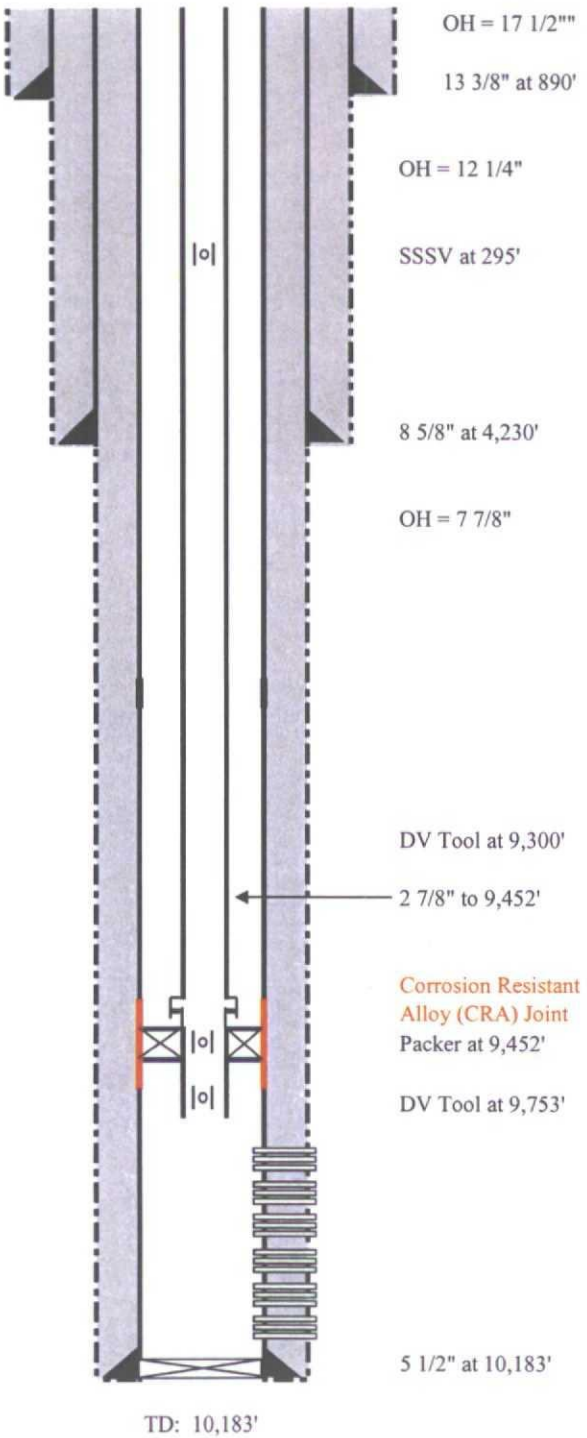
Information on Oil and Gas Wells within Two Miles of Proposed Maljamar AGI #2

GEOLEX INCORPORATED

FIGURE B-1: MALJAMAR AGI #1
AS BUILT WELL SCHEMATIC

FRONTIER

Location: 130' FSL & 1831' FEL
STR S22-T17S-R32E
County, St.: LEA COUNTY, NEW MEXICO



CONDUCTOR CASING
13 3/8", 48.00#/ft, H40, STC at 890"
Cemented to Surface

SURFACE CASING:
8 5/8", 24.0 #/ft, J55, STC at 4,230"
Cemented to Surface; verified w/CBL

PRODUCTION CASING:
5 1/2", 17 #/ft, L80, STC at 10,183'
Cemented to surface: verified w/CBL

ANNULAR FLUID:
Corrosion-inhibited Diesel Fuel
from top of packer to surface

DEVIATION:
Stuck string at ~5,200' required cmt plug 5,157'
to ~5,800', re-drill w/ total deviation ~ 17 feet from
orig. track; returned to track ~6,000'

TUBING:
Subsurface Safety Valve at 295 ft
2 7/8", 6.5#/ft, L80, Premium thread at 9,452"

PACKER:
Permanent Production Packer
Adj. Choke (if needed, placed in nipple below packer)
Check valve (if needed, placed in nipple below packer)

ORIGINAL PERFORATIONS:

Upper Wolfcamp Formation		
9,579'-9,932'	4spf 90°	original
Middle Wolfcamp Formation		
9,768'-9,821'	4spf 90°	original
9,850'-9,917'	4spf 90°	original
9,979'-9,997'	4spf 90°	original
Lower Wolfcamp Formation		
10,009'-10,025'	4spf 90°	original
10,090'-10,130'	4spf 90°	original

NEW PERFORATIONS

9,690'-10,130	6spf 60°	July 2013

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point

MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
1		3002539163	COG OPERATING LLC	OIL	7015	Above Wolfcamp	MC FEDERAL 036	Active	32.81439736	-103.7774972	0.06
2		3002500608	CONTINENTAL OIL CO	OIL	4018	Above Wolfcamp	MCA UNIT 093	Active	32.81301037	-103.7779039	0.06
3		3002520522	CONTINENTAL OIL CO	OIL	4100	Above Wolfcamp	MCA UNIT 234	Active	32.81290857	-103.7757288	0.09
4		3002500750	KEWANEE OIL CO	DHSO	2494	Above Wolfcamp	BAISH B 033	Plugged	32.81193563	-103.776823	0.11
5		3002539500	COG OPERATING LLC	OIL	7025	Above Wolfcamp	MC FEDERAL 066	New (Not drilled or compl)	32.81566298	-103.7779897	0.15
6		3002500751	CONTINENTAL OIL CO	INJ	10747	Deep	QUEEN B 036	Plugged	32.81132361	-103.7782476	0.17
7		3002512804	CONOCO INCORPORATED	INJ	3774	Above Wolfcamp	MCA UNIT 113	Active	32.8126309	-103.7799801	0.18
8		3002512804	CONOCO INCORPORATED	OIL	4050	Above Wolfcamp	MCA UNIT 113	Active	32.8126309	-103.7799801	0.18
9		3002500733	CONOCO INCORPORATED	OIL	4071	Above Wolfcamp	MCA UNIT 114	Active	32.81103136	-103.7779004	0.18
10		3002539108	COG OPERATING LLC	OIL	7197	Above Wolfcamp	MC FEDERAL 037	Active	32.81522882	-103.7748329	0.18
11		3002540595	COG OPERATING LLC	PERMIT	7200	Above Wolfcamp	MC FEDERAL 068	New (Not drilled or compl)	32.81520651	-103.7747118	0.18
12		3002534973	MACK ENERGY CORP	OIL	6010	Above Wolfcamp	MC FEDERAL 005	Active	32.81555822	-103.7746698	0.2
13		3002500609	CONTINENTAL OIL CO	OIL	4062	Above Wolfcamp	MCA UNIT 092	Active	32.81464839	-103.7735891	0.22
14		3002500615	CONTINENTAL OIL CO	OIL	4098	Above Wolfcamp	MCA UNIT 068	Plugged	32.81667398	-103.7756625	0.23
15		3002538703	COG OPERATING LLC	OIL	7027	Above Wolfcamp	MC FEDERAL 020	Active	32.81696558	-103.7768306	0.24
16		3002539107	COG OPERATING LLC	OIL	7050	Above Wolfcamp	MC FEDERAL 035	New (Not drilled or compl)	32.81668442	-103.7797247	0.26
17		3002500734	CONTINENTAL OIL CO	OIL	3805	Above Wolfcamp	MCA UNIT 115	Active	32.81102022	-103.7735838	0.27
18		3002523807	CONTINENTAL OIL CO	OIL	4120	Above Wolfcamp	MCA UNIT 287	Active	32.8166853	-103.7801499	0.28
19		3002539867	COG OPERATING LLC	OIL	7110	Above Wolfcamp	MC FEDERAL 063	New (Not drilled or compl)	32.81706996	-103.7746721	0.28
20		3002537931	CONOCOPHILLIPS CO	OIL	4445	Above Wolfcamp	MCA UNIT 394	Active	32.80928587	-103.7778478	0.3
21		3002508063	CONTINENTAL OIL CO	OIL	3760	Above Wolfcamp	MCA UNIT 094	Active	32.81466574	-103.7822237	0.31
22		3002523482	CONTINENTAL OIL CO	OIL	4080	Above Wolfcamp	MCA UNIT 252	Active	32.80941354	-103.7794013	0.31
23		3002520496	CONTINENTAL OIL CO	OIL	4182	Above Wolfcamp	MCA UNIT 235	Active	32.80919794	-103.775722	0.31
24		3002540165	COG OPERATING LLC	OIL	7160	Above Wolfcamp	GC FEDERAL 047	New (Not drilled or compl)	32.81698782	-103.7807227	0.32
25		3002500610	CONTINENTAL OIL CO	OIL	4125	Above Wolfcamp	MCA UNIT 067	Active	32.81828769	-103.7779119	0.33
26		3002539629	COG OPERATING LLC	OIL	7036	Above Wolfcamp	MC FEDERAL 065	New (Not drilled or compl)	32.81532571	-103.7719188	0.33
27		3002500752	CONTINENTAL OIL CO	OIL	4072	Above Wolfcamp	MCA UNIT 112	Plugged	32.8110376	-103.782217	0.34
28		3002540240	COG OPERATING LLC	OIL	7130	Above Wolfcamp	MC FEDERAL 062	New (Not drilled or compl)	32.81837654	-103.778262	0.34
29		3002512769	CONOCO INCORPORATED	OIL	4119	Above Wolfcamp	MCA UNIT 116	Active	32.81262208	-103.7712399	0.35
30		3002523433	CONTINENTAL OIL CO	OIL	4250	Above Wolfcamp	MCA UNIT 251	Active	32.81585251	-103.7715631	0.36
31		3002539263	COG OPERATING LLC	OIL	7010	Above Wolfcamp	GC FEDERAL 025	Active	32.81794991	-103.7809694	0.38
32		3002539292	COG OPERATING LLC	OIL	7035	Above Wolfcamp	MC FEDERAL 038	Active	32.81919343	-103.7774063	0.39
33		3002500611	CONTINENTAL OIL CO	OIL	4000	Above Wolfcamp	MCA UNIT 069	Active	32.81827655	-103.7735946	0.39
34		3002534933	COG OPERATING LLC	OIL	7044	Above Wolfcamp	MC FEDERAL 004	Active	32.8191975	-103.7789926	0.4
35		3002539471	COG OPERATING LLC	OIL	7129	Above Wolfcamp	GC FEDERAL 038	New (Not drilled or compl)	32.81797767	-103.7818395	0.41
36		3002537939	CONOCOPHILLIPS CO	OIL	4470	Above Wolfcamp	MCA UNIT 397	Active	32.80765056	-103.7778935	0.41
37		3002537900	CONOCOPHILLIPS CO	OIL	4488	Above Wolfcamp	MCA UNIT 395	Active	32.80767334	-103.7760622	0.41
38		3002523706	CONTINENTAL OIL CO	OIL	4130	Above Wolfcamp	MCA UNIT 269	Active	32.8131959	-103.7842984	0.42
39		3002540143	COG OPERATING LLC	OIL	7119	Above Wolfcamp	GC FEDERAL 046	New (Not drilled or compl)	32.81486701	-103.7842191	0.42
40		3002539265	COG OPERATING LLC	OIL	7114	Above Wolfcamp	GC FEDERAL 029	Active	32.81490005	-103.7844154	0.43
41		3002538998	COG OPERATING LLC	OIL	7025	Above Wolfcamp	MC FEDERAL 029	Active	32.81946124	-103.7746757	0.43
42		3002500735	CONTINENTAL OIL CO	OIL	3963	Above Wolfcamp	MCA UNIT 153	Plugged	32.80740319	-103.777893	0.43
43		3002539506	COG OPERATING LLC	OIL	7107	Above Wolfcamp	J C FEDERAL 035	New (Not drilled or compl)	32.81554633	-103.7700703	0.43

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point											
MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
44		3002508062	CONTINENTAL OIL CO	OIL	3721	Above Wolfcamp	MCA UNIT 066	Active	32.81829388	-103.7822292	0.44
45		3002537879	CONOCOPHILLIPS CO	OIL	4450	Above Wolfcamp	MCA UNIT 393	Active	32.80765065	-103.780055	0.44
46		3002539877	COG OPERATING LLC	OIL	7145	Above Wolfcamp	MC FEDERAL 060	New (Not drilled or compl)	32.81825062	-103.772077	0.44
47		3002539000	COG OPERATING LLC	OIL	7042	Above Wolfcamp	MC FEDERAL 032	Active	32.81805174	-103.7716973	0.44
48		3002523569	CONTINENTAL OIL CO	OIL	4110	Above Wolfcamp	MCA UNIT 260	Active	32.80895393	-103.7717156	0.45
49		3002529956	CONOCO INCORPORATED	OIL	4300	Above Wolfcamp	MCA UNIT 372	Active	32.81621936	-103.784352	0.46
50		3002539262	COG OPERATING LLC	OIL	7045	Above Wolfcamp	GC FEDERAL 024	Active	32.81650794	-103.784287	0.46
51		3002539515	COG OPERATING LLC	OIL	7020	Above Wolfcamp	GC FEDERAL 039	New (Not drilled or compl)	32.81947536	-103.780939	0.46
52		3002508031	CONTINENTAL OIL CO	OIL	4101	Above Wolfcamp	MCA UNIT 046	Active	32.82016892	-103.7758378	0.46
53		3002500617	CONTINENTAL OIL CO	DRY	4103	Above Wolfcamp	MCA UNIT 091	Plugged	32.81463744	-103.7693487	0.46
54		3002500619	CONTINENTAL OIL CO	OIL	2458	Above Wolfcamp	BAISH A 005	Active	32.81918079	-103.7725166	0.47
55		3002500736	CONTINENTAL OIL CO	OIL	3810	Above Wolfcamp	MCA UNIT 152	Active	32.80739205	-103.7735763	0.47
56		3002539167	COG OPERATING LLC	OIL	7134	Above Wolfcamp	J C FEDERAL 029	New (Not drilled or compl)	32.8148016	-103.7690547	0.48
57		3002527065	CONOCO INCORPORATED	OIL	4150	Above Wolfcamp	MCA UNIT 362	Plugged	32.81956349	-103.7814854	0.49
58		3002523660	CONOCO INCORPORATED	INJ	4145	Above Wolfcamp	MCA UNIT 262	Plugged	32.82017825	-103.7799916	0.49
59		3002540712	CIMAREX ENERGY OF CO	SWD	10400	Deep	PEARSALL FEDERAL SWD 001	Active	32.80651034	-103.775929	0.51
60		3002540420	FRONTIER FLD SVS LLC	INJ	10183	Deep	MALJAMAR AGI 001	Active	32.81317927	-103.7687992	0.49
61		3002500737	CONTINENTAL OIL CO	OIL	3834	Above Wolfcamp	MCA UNIT 117	Plugged	32.81100927	-103.7693407	0.49
62		3002540125	COG OPERATING LLC	OIL	7120	Above Wolfcamp	MC FEDERAL 064	New (Not drilled or compl)	32.81787688	-103.7699676	0.51
63		3002530337	CONOCO INCORPORATED	INJ	4110	Above Wolfcamp	MCA UNIT 380	Active	32.81071703	-103.7689936	0.51
64		3002500618	CONTINENTAL OIL CO	OIL	2387	Above Wolfcamp	BAISH A 003	Active	32.82100948	-103.7768367	0.51
65		3002500753	CONTINENTAL OIL CO	OIL	3810	Above Wolfcamp	MCA UNIT 154	Active	32.80740945	-103.7822096	0.52
66		3002538717	COG OPERATING LLC	OIL	7042	Above Wolfcamp	MC FEDERAL 024	Active	32.82114691	-103.7768369	0.52
67		3002540239	COG OPERATING LLC	OIL	7136	Above Wolfcamp	J C FEDERAL 037	New (Not drilled or compl)	32.81372763	-103.7682673	0.52
68		3002539268	COG OPERATING LLC	OIL	7015	Above Wolfcamp	GC FEDERAL 022	New (Not drilled or compl)	32.81920125	-103.7833099	0.53
69		3002524267	CONTINENTAL OIL CO	OIL	4200	Above Wolfcamp	MCA UNIT 328	Active	32.81543176	-103.7682712	0.53
70		3002527064	CONOCO INCORPORATED	DRY	4150	Above Wolfcamp	MCA UNIT 361	Plugged	32.8195832	-103.7829866	0.54
71		3002539425	COG OPERATING LLC	OIL	7084	Above Wolfcamp	MC FEDERAL 042	New (Not drilled or compl)	32.82120673	-103.7789957	0.54
72		3002529102	CONOCO INCORPORATED	OIL	4440	Above Wolfcamp	MCA UNIT 365Y	Active	32.80955428	-103.7852225	0.54
73		3002539059	COG OPERATING LLC	OIL	7017	Above Wolfcamp	J C FEDERAL 025	Active	32.81581657	-103.768272	0.54
74		3002508065	CONTINENTAL OIL CO	OIL	3744	Above Wolfcamp	MCA UNIT 095	Active	32.81466704	-103.786541	0.55
75		3002526606	CONOCO INCORPORATED	DRY	4150	Above Wolfcamp	MCA UNIT 358	Plugged	32.82022007	-103.7822321	0.55
76		3002527066	CONOCO INCORPORATED	OBS-O	4285	Above Wolfcamp	MCA UNIT 363	Plugged	32.82041518	-103.7820002	0.55
77		3002528988	CONOCO INCORPORATED	JNK	827	Above Wolfcamp	MCA UNIT 365	Plugged	32.80949931	-103.7852224	0.55
78		3002527067	CONOCO INCORPORATED	OBS-O	4325	Above Wolfcamp	MCA UNIT 364	Plugged	32.82051137	-103.7819185	0.55
79		3002523744	CONTINENTAL OIL CO	OIL	4150	Above Wolfcamp	MCA UNIT 284	Active	32.80565248	-103.7758128	0.55
80		3002539270	COG OPERATING LLC	OIL	7136	Above Wolfcamp	GC FEDERAL 032	Active	32.81418612	-103.7868183	0.56
81		3002527076	CONOCO INCORPORATED	OIL	4150	Above Wolfcamp	MCA UNIT 359	Plugged	32.82086586	-103.7814645	0.56
82		3002512763	CONTINENTAL OIL CO	OIL	4124	Above Wolfcamp	MCA UNIT 044	Active	32.82015913	-103.7715206	0.56
83		3002500604	CONTINENTAL OIL CO	OIL	4129	Above Wolfcamp	MCA UNIT 070	Plugged	32.81826561	-103.7693569	0.56
84		3002500767	CONTINENTAL OIL CO	OIL	4020	Above Wolfcamp	MCA UNIT 111	Active	32.8110389	-103.7865335	0.57
85		3002539931	COG OPERATING LLC	OIL	7110	Above Wolfcamp	MC FEDERAL 056	New (Not drilled or compl)	32.8215186	-103.7746789	0.57
86		3002537976	CONOCOPHILLIPS CO	OIL	4450	Above Wolfcamp	MCA UNIT 396	Active	32.80531428	-103.7784969	0.57

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point											
MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
87		3002539473	COG OPERATING LLC	OIL	7134	Above Wolfcamp	GC FEDERAL 045	New (Not drilled or compl)	32.81491454	-103.7869829	0.58
88		3002538714	COG OPERATING LLC	OIL	7027	Above Wolfcamp	BC FEDERAL 033	Active	32.82101706	-103.7816446	0.58
89		3002500606	CONTINENTAL OIL CO	INJ	4103	Above Wolfcamp	MCA UNIT 047	Active	32.82191895	-103.7779174	0.58
90		3002512794	CONOCO INCORPORATED	OIL	4055	Above Wolfcamp	MCA UNIT 174	Plugged	32.80544727	-103.7799655	0.58
91		3002538387	COG OPERATING LLC	OIL	7015	Above Wolfcamp	MC FEDERAL 011	Active	32.81958687	-103.7701121	0.58
92		3002539001	COG OPERATING LLC	OIL	7138	Above Wolfcamp	MC FEDERAL 033	Active	32.81600712	-103.7675529	0.58
93		3002524196	CONTINENTAL OIL CO	OIL	4200	Above Wolfcamp	MCA UNIT 318	Active	32.81274888	-103.7671033	0.59
94		3002540237	COG OPERATING LLC	OIL	7150	Above Wolfcamp	GC FEDERAL 044	New (Not drilled or compl)	32.81492287	-103.7872805	0.6
95		3002538038	CONOCOPHILLIPS CO	OIL	4450	Above Wolfcamp	MCA UNIT 407	Active	32.80511482	-103.7800138	0.6
96		3002534773	COG OPERATING LLC	OIL	7054	Above Wolfcamp	MC FEDERAL 003	Active	32.82141201	-103.7725201	0.6
97		3002523509	CONOCO INCORPORATED	INJ	4145	Above Wolfcamp	MCA UNIT 256	Plugged	32.81997118	-103.7843576	0.61
98		3002508053	CONTINENTAL OIL CO	TA	13965	Deep	MCA UNIT 303	Plugged	32.81829503	-103.7860559	0.61
99		3002527063	CONOCO INCORPORATED	OIL	4150	Above Wolfcamp	MCA UNIT 360	Plugged	32.82084963	-103.7830147	0.61
100		3002500605	CONTINENTAL OIL CO	OIL	4103	Above Wolfcamp	MCA UNIT 045	Plugged	32.8219092	-103.7736002	0.61
101		3002539168	COG OPERATING LLC	OIL	7135	Above Wolfcamp	J C FEDERAL 030	Active	32.81372321	-103.7665665	0.62
102		3002500739	CONTINENTAL OIL CO	OIL	4112	Above Wolfcamp	MCA UNIT 151	Active	32.8073811	-103.7693351	0.62
103		3002539857	COG OPERATING LLC	OIL	7037	Above Wolfcamp	BC FEDERAL 063	New (Not drilled or compl)	32.82101735	-103.7833126	0.63
104		3002508064	CONTINENTAL OIL CO	INJ	4100	Above Wolfcamp	MCA UNIT 065	Plugged	32.81829518	-103.7865464	0.64
105		3002540152	COG OPERATING LLC	OIL	7014	Above Wolfcamp	MC FEDERAL 052	New (Not drilled or compl)	32.82282408	-103.7770685	0.64
106		3002538739	COG OPERATING LLC	OIL	7021	Above Wolfcamp	MC FEDERAL 016	Active	32.82282694	-103.7783441	0.64
107		3002500614	CONTINENTAL OIL CO	INJ	12778	Deep	MCA UNIT 355	Plugged	32.82246041	-103.7742551	0.64
108		3002500613	CONTINENTAL OIL CO	DRY	2510	Above Wolfcamp	BAISH A 004	Plugged	32.82099506	-103.7704424	0.64
109		3002500620	CONTINENTAL OIL CO	OIL	2395	Above Wolfcamp	BAISH A 006	Plugged	32.81916988	-103.7682796	0.64
110		3002508054	CONOCO INCORPORATED	INJ	4100	Above Wolfcamp	MCA UNIT 048	Plugged	32.8219242	-103.7822347	0.65
111		3002539427	COG OPERATING LLC	OIL	7045	Above Wolfcamp	MC FEDERAL 054	New (Not drilled or compl)	32.82281869	-103.7746809	0.65
112		3002539876	COG OPERATING LLC	OIL	7227	Above Wolfcamp	MC FEDERAL 059	New (Not drilled or compl)	32.8197979	-103.7688011	0.65
113		3002539267	COG OPERATING LLC	OIL	7038	Above Wolfcamp	GC FEDERAL 021	New (Not drilled or compl)	32.8182953	-103.7869716	0.66
114		3002539323	COG OPERATING LLC	OIL	7114	Above Wolfcamp	GC FEDERAL 028	New (Not drilled or compl)	32.81557458	-103.7882758	0.66
115		3002524076	CONTINENTAL OIL CO	OIL	4100	Above Wolfcamp	MCA UNIT 308	Active	32.80741056	-103.7858721	0.66
116		3002538833	COG OPERATING LLC	OIL	7035	Above Wolfcamp	MC FEDERAL 026	Active	32.82030478	-103.7690344	0.66
117		3002521489	CONTINENTAL OIL CO	OIL	4041	Above Wolfcamp	MCA UNIT 177	Active	32.80545123	-103.7709345	0.66
118		3002523731	CONTINENTAL OIL CO	OIL	4190	Above Wolfcamp	MCA UNIT 274	Active	32.80925814	-103.7670979	0.66
119		3002508362	BUFFALO OIL CORP	SUSOIL	5359	Above Wolfcamp	MITCHELL B 023	Plugged	32.81829538	-103.7872431	0.67
120		3002539790	CONOCOPHILLIPS CO	ABDN	4000	Above Wolfcamp	MCA UNIT 495	New (Not drilled or compl)	32.80418304	-103.7800119	0.67
121		3002512755	CONOCO INCORPORATED	OIL	4048	Above Wolfcamp	MCA UNIT 096	Active	32.81292233	-103.7887591	0.68
122		3002540150	COG OPERATING LLC	OIL	7151	Above Wolfcamp	GC FEDERAL 036	New (Not drilled or compl)	32.81838338	-103.787397	0.68
123		3002539470	COG OPERATING LLC	OIL	7099	Above Wolfcamp	BC FEDERAL 059	New (Not drilled or compl)	32.82283104	-103.7811568	0.68
124		3002539058	COG OPERATING LLC	OIL	7030	Above Wolfcamp	MC FEDERAL 030	New (Not drilled or compl)	32.82260765	-103.7725219	0.68
125		3002500741	CONTINENTAL OIL CO	OIL	3864	Above Wolfcamp	MCA UNIT 175	Plugged	32.80376523	-103.7778855	0.68
126		3002539542	COG OPERATING LLC	OIL	6995	Above Wolfcamp	J C FEDERAL 034	New (Not drilled or compl)	32.81568636	-103.7657697	0.68
127		3002539002	COG OPERATING LLC	OIL	7033	Above Wolfcamp	MC FEDERAL 034	Active	32.81702034	-103.7661161	0.68
128		3002500768	CONTINENTAL OIL CO	DRY	4022	Above Wolfcamp	MCA UNIT BATTERY 2 155	Plugged	32.80741075	-103.7865261	0.69
129		3002524213	CONTINENTAL OIL CO	OIL	4125	Above Wolfcamp	MCA UNIT 319	Active	32.80566479	-103.784446	0.69

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point

MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
130		3002539697	COG OPERATING LLC	OIL	7147	Above Wolfcamp	GC FEDERAL 037	New (Not drilled or compl)	32.81986186	-103.7865161	0.7
131		3002523687	CONTINENTAL OIL CO	OIL	4110	Above Wolfcamp	MCA UNIT 266	Active	32.81655044	-103.7886827	0.7
132		3002538829	COG OPERATING LLC	OIL	6900	Above Wolfcamp	BC FEDERAL 032	Active	32.82088024	-103.7854711	0.7
133		3002529959	CONOCO INCORPORATED	OIL	4350	Above Wolfcamp	MCA UNIT 373	Plugged	32.82370099	-103.7758924	0.7
134		3002539403	CONOCOPHILLIPS CO	OIL	4124	Above Wolfcamp	MCA UNIT 485	Active	32.80342971	-103.7756938	0.7
135		3002540096	COG OPERATING LLC	OIL	7112	Above Wolfcamp	MC FEDERAL 057	New (Not drilled or compl)	32.81989953	-103.7677056	0.7
136		3002539614	COG OPERATING LLC	OIL	7146	Above Wolfcamp	J C FEDERAL 036	New (Not drilled or compl)	32.81365057	-103.7650782	0.7
137		3002500742	CONTINENTAL OIL CO	OIL	4032	Above Wolfcamp	MCA UNIT 176	Active	32.80375398	-103.7735689	0.71
138		3002500616	CONTINENTAL OIL CO	DRY	3950	Above Wolfcamp	MCA UNIT 090	Plugged	32.8146262	-103.7650314	0.71
139		3002521951	PAN AMERICAN	TA	13735	Deep	BAISH B FEDERAL 002	Plugged	32.81072403	-103.7653507	0.71
140		3002539354	CONOCOPHILLIPS CO	OIL	4142	Above Wolfcamp	MCA UNIT 484	Active	32.8042434	-103.7715326	0.72
141		3002529854	CONOCO INCORPORATED	OIL	4300	Above Wolfcamp	MCA UNIT 368	Active	32.82013641	-103.7674772	0.72
142		3002523733	CONTINENTAL OIL CO	OIL	4083	Above Wolfcamp	MCA UNIT 277	Plugged	32.80929414	-103.7886066	0.73
143		3002534932	MACK ENERGY CORP	OIL	5975	Above Wolfcamp	BC FEDERAL 003	Active	32.82283139	-103.7831519	0.73
144		3002523715	CONTINENTAL OIL CO	OIL	4163	Above Wolfcamp	MCA UNIT 271	Active	32.82380662	-103.7801608	0.73
145		3002500603	CONTINENTAL OIL CO	OIL	4119	Above Wolfcamp	MCA UNIT 043	Active	32.8218997	-103.7693652	0.73
146		3002500738	CONTINENTAL OIL CO	OIL	3845	Above Wolfcamp	MCA UNIT 118	Active	32.81099803	-103.7650241	0.73
147		3002539356	CONOCOPHILLIPS CO	OIL	4170	Above Wolfcamp	MCA UNIT 487	Active	32.80552826	-103.7688417	0.73
148		3002500762	CONTINENTAL OIL CO	OIL	4250	Above Wolfcamp	MCA UNIT 173	Active	32.80377379	-103.7822021	0.74
149		3002539293	COG OPERATING LLC	OIL	7040	Above Wolfcamp	MC FEDERAL 039	New (Not drilled or compl)	32.82181622	-103.7689071	0.74
150		3002539779	CONOCOPHILLIPS CO	ABDN	4000	Above Wolfcamp	MCA UNIT 435	New (Not drilled or compl)	32.80556553	-103.7859501	0.75
151		3002500622	CONTINENTAL OIL CO	DRY	13670	Deep	BAISH A 008	Plugged	32.81825566	-103.7655302	0.75
152		3002538815	COG OPERATING LLC	OIL	7020	Above Wolfcamp	MC FEDERAL 021	Active	32.82463764	-103.7768424	0.76
153		3002539264	COG OPERATING LLC	OIL	7103	Above Wolfcamp	GC FEDERAL 027	Active	32.81557512	-103.7900385	0.76
154		3002539791	CONOCOPHILLIPS CO	ABDN	4000	Above Wolfcamp	MCA UNIT 496	New (Not drilled or compl)	32.80782359	-103.7884073	0.77
155		3002538776	COG OPERATING LLC	OIL	7039	Above Wolfcamp	MC FEDERAL 017	Active	32.82322143	-103.7704475	0.77
156		3002537940	CONOCOPHILLIPS CO	ABDN	4000	Above Wolfcamp	MCA UNIT 403	New (Not drilled or compl)	32.80583717	-103.7675014	0.77
157		3002539792	CONOCOPHILLIPS CO	ABDN	4000	Above Wolfcamp	MCA UNIT 498	New (Not drilled or compl)	32.80377594	-103.7837554	0.78
158		3002538509	COG OPERATING LLC	OIL	7012	Above Wolfcamp	MC FEDERAL 012	Active	32.82463277	-103.7746837	0.78
159		3002539962	COG OPERATING LLC	OIL	7010	Above Wolfcamp	MC FEDERAL 050	New (Not drilled or compl)	32.82449258	-103.7734668	0.78
160		3002530347	CONOCO INCORPORATED	OIL	4220	Above Wolfcamp	MCA UNIT 379	Plugged	32.82340056	-103.7706605	0.78
161		3002500612	CONTINENTAL OIL CO	OIL	4131	Above Wolfcamp	MCA UNIT 071	Active	32.81825437	-103.7650396	0.78
162		3002539060	COG OPERATING LLC	OIL	7010	Above Wolfcamp	J C FEDERAL 026	Active	32.81553039	-103.7639541	0.78
163		3002539858	COG OPERATING LLC	OIL	7067	Above Wolfcamp	GC FEDERAL 043	New (Not drilled or compl)	32.81389872	-103.7907883	0.79
164		3002539767	CONOCOPHILLIPS CO	OIL	4134	Above Wolfcamp	MCA UNIT 482	New (Not drilled or compl)	32.80246187	-103.7734681	0.79
165		3002523740	CONTINENTAL OIL CO	DRY	4175	Above Wolfcamp	MCA UNIT 280	Plugged	32.80576783	-103.767256	0.79
166		3002508067	CONTINENTAL OIL CO	DRY	3848	Above Wolfcamp	MCA UNIT 097	Plugged	32.81466831	-103.7907568	0.8
167		3002539266	COG OPERATING LLC	OIL	7123	Above Wolfcamp	GC FEDERAL 031	Active	32.81429727	-103.7908216	0.8
168		3002508056	CONTINENTAL OIL CO	OIL	4038	Above Wolfcamp	MCA UNIT 049	Plugged	32.82192484	-103.786552	0.8
169		3002539417	COG OPERATING LLC	OIL	7010	Above Wolfcamp	BC FEDERAL 043	Active	32.82101794	-103.7876299	0.8
170		3002539402	CONOCOPHILLIPS CO	OIL	4153	Above Wolfcamp	MCA UNIT 481	Active	32.80192493	-103.7783722	0.8
171		3002523705	CONTINENTAL OIL CO	OIL	4155	Above Wolfcamp	MCA UNIT 268	Active	32.80201404	-103.7756418	0.8
172		3002512772	CONOCO INCORPORATED	OIL	4039	Above Wolfcamp	MCA UNIT 064	Plugged	32.82004116	-103.7887042	0.81

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point

MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
173		3002500758	CONTINENTAL OIL CO	OIL	4037	Above Wolfcamp	MCA UNIT 110	Plugged	32.81104017	-103.7907527	0.81
174		3002500601	CONTINENTAL OIL CO	OIL	4169	Above Wolfcamp	MCA UNIT 027	Plugged	32.82462787	-103.7725251	0.81
175		3002524235	CONTINENTAL OIL CO	OIL	4170	Above Wolfcamp	MCA UNIT 324	Active	32.80202524	-103.7799584	0.81
176		3002539426	COG OPERATING LLC	OIL	7115	Above Wolfcamp	MC FEDERAL 053	New (Not drilled or compl)	32.82276348	-103.7684514	0.81
177		3002539864	COG OPERATING LLC	OIL	7018	Above Wolfcamp	MC FEDERAL 061	New (Not drilled or compl)	32.81734448	-103.7639582	0.81
178		3002500743	CONTINENTAL OIL CO	DRY	3925	Above Wolfcamp	MCA UNIT 178	Plugged	32.80374293	-103.7693294	0.81
179		3002540236	COG OPERATING LLC	OIL	7044	Above Wolfcamp	BC FEDERAL 030	New (Not drilled or compl)	32.821018	-103.7880453	0.82
180		3002520216	CONTINENTAL OIL CO	DRY	2398	Above Wolfcamp	BAISH A 009	Plugged	32.82280434	-103.7682879	0.82
181		3002535252	MACK ENERGY CORP	OIL	15026	Deep	MC FEDERAL 006	Active	32.82018666	-103.765371	0.82
182		3002500740	CONTINENTAL OIL CO	OIL	4103	Above Wolfcamp	MCA UNIT 150	Active	32.80736986	-103.7650185	0.82
183		3002539423	COG OPERATING LLC	OIL	7010	Above Wolfcamp	MC FEDERAL 040	New (Not drilled or compl)	32.82539909	-103.7793293	0.83
184		3002500607	CONTINENTAL OIL CO	OIL	4145	Above Wolfcamp	MCA UNIT 026	Plugged	32.8255471	-103.7779231	0.83
185		3002539612	COG OPERATING LLC	OIL	7121	Above Wolfcamp	BC FEDERAL 053	New (Not drilled or compl)	32.82533761	-103.7803202	0.83
186		3002520568	CONTINENTAL OIL CO	OIL	13717	Deep	BAISH A 012	Active	32.8255471	-103.7779231	0.83
187		3002539950	COG OPERATING LLC	OIL	7049	Above Wolfcamp	BC FEDERAL 061	New (Not drilled or compl)	32.82270545	-103.7866186	0.84
188		3002520231	CONTINENTAL OIL CO	DRY	5445	Above Wolfcamp	MCA UNIT 258	Plugged	32.82464548	-103.7833183	0.84
189		3002524226	CONTINENTAL OIL CO	INJ	4220	Above Wolfcamp	MCA UNIT 301	Active	32.80374124	-103.7686754	0.84
190		3002524258	CONTINENTAL OIL CO	OIL	4250	Above Wolfcamp	MCA UNIT 326	Active	32.81622887	-103.7630399	0.84
191		3002512796	CONOCO INCORPORATED	OIL	4160	Above Wolfcamp	MCA UNIT 089	Plugged	32.81287485	-103.7627052	0.84
192		3002538746	COG OPERATING LLC	OIL	7033	Above Wolfcamp	BC FEDERAL 028	Active	32.82546966	-103.7809974	0.85
193		3002523790	CONTINENTAL OIL CO	OIL	4180	Above Wolfcamp	MCA UNIT 296	Active	32.80215435	-103.771489	0.85
194		3002538997	COG OPERATING LLC	OIL	7013	Above Wolfcamp	MC FEDERAL 028	Active	32.81902113	-103.763962	0.85
195		3002539928	COG OPERATING LLC	OIL	7140	Above Wolfcamp	GC FEDERAL 042	New (Not drilled or compl)	32.81376162	-103.7918347	0.86
196		3002508066	CONTINENTAL OIL CO	OIL	3822	Above Wolfcamp	MCA UNIT 063	Plugged	32.81829645	-103.7907621	0.86
197		3002539269	COG OPERATING LLC	OIL	7035	Above Wolfcamp	GC FEDERAL 023	New (Not drilled or compl)	32.81843388	-103.7907787	0.86
198		3002538713	COG OPERATING LLC	OIL	7025	Above Wolfcamp	BC FEDERAL 031	Active	32.822722	-103.7871093	0.86
199		3002520149	CONTINENTAL OIL CO	INJ	2436	Above Wolfcamp	BAISH A 011	Plugged	32.82462322	-103.7704507	0.86
200		3002539875	COG OPERATING LLC	OIL	7138	Above Wolfcamp	MC FEDERAL 055	New (Not drilled or compl)	32.82236085	-103.7666189	0.86
201		3002500621	BUFFALO OIL CORP	OIL	2390	Above Wolfcamp	BAISH A 007	Plugged	32.81915856	-103.7639623	0.86
202		3002539476	COG OPERATING LLC	OIL	7110	Above Wolfcamp	GC FEDERAL 063	New (Not drilled or compl)	32.81836524	-103.7910239	0.87
203		3002500764	CONTINENTAL OIL CO	OIL	3940	Above Wolfcamp	MCA UNIT 171	Active	32.80377971	-103.7865187	0.87
204		3002538835	COG OPERATING LLC	OIL	7055	Above Wolfcamp	MC FEDERAL 015	Active	32.82617972	-103.7781203	0.87
205		3002539424	COG OPERATING LLC	OIL	7041	Above Wolfcamp	MC FEDERAL 041	New (Not drilled or compl)	32.82462249	-103.7701237	0.87
206		3002539353	CONOCOPHILLIPS CO	OIL	4208	Above Wolfcamp	MCA UNIT 483	Active	32.80414954	-103.767139	0.87
207		3002512756	CONOCO INCORPORATED	OIL	4136	Above Wolfcamp	MCA UNIT 156	Plugged	32.80543189	-103.7887341	0.88
208		3002508055	CONOCO INCORPORATED	GAS	4110	Above Wolfcamp	MITCHELL A 004	Plugged	32.82555233	-103.7822404	0.88
209		3002539628	COG OPERATING LLC	OIL	7030	Above Wolfcamp	MC FEDERAL 046	New (Not drilled or compl)	32.82621359	-103.7748497	0.88
210		3002538551	COG OPERATING LLC	OIL	7125	Above Wolfcamp	MC FEDERAL 013	Active	32.822357	-103.7661283	0.88
211		3002531100	CONOCO INCORPORATED	INJ	4350	Above Wolfcamp	MCA UNIT 386	Active	32.80757418	-103.7906991	0.89
212		3002539507	COG OPERATING LLC	OIL	7000	Above Wolfcamp	MC FEDERAL 044	New (Not drilled or compl)	32.82645172	-103.7768452	0.89
213		3002500760	CONTINENTAL OIL CO	OIL	3789	Above Wolfcamp	MCA UNIT 157	Plugged	32.80741203	-103.7907479	0.9
214		3002524461	CONTINENTAL OIL CO	DRY	4175	Above Wolfcamp	MCA UNIT 340	Plugged	32.82364045	-103.7672923	0.9
215		3002524186	CONTINENTAL OIL CO	OIL	4200	Above Wolfcamp	MCA UNIT 317	Active	32.80924656	-103.7626178	0.9

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point											
MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
216		3002539861	COG OPERATING LLC	OIL	7112	Above Wolfcamp	J C FEDERAL 052	New (Not drilled or compl)	32.81552569	-103.7617955	0.9
217		3002539475	COG OPERATING LLC	OIL	7130	Above Wolfcamp	GC FEDERAL 062	New (Not drilled or compl)	32.8195197	-103.7911727	0.91
218		3002538539	COG OPERATING LLC	OIL	7015	Above Wolfcamp	BC FEDERAL 015	Active	32.82464581	-103.7854769	0.91
219		3002500766	CONTINENTAL OIL CO	OIL	4050	Above Wolfcamp	MCA UNIT 172	Active	32.80189409	-103.7844383	0.91
220		3002538715	COG OPERATING LLC	OIL	6920	Above Wolfcamp	MC FEDERAL 022	Active	32.82461937	-103.7687173	0.91
221		3002539352	CONOCOPHILLIPS CO	OIL	4150	Above Wolfcamp	MCA UNIT 479	Active	32.80036826	-103.7758837	0.91
222		3002538996	COG OPERATING LLC	OIL	7012	Above Wolfcamp	MC FEDERAL 027	Active	32.8205683	-103.7639655	0.91
223		3002523778	CONTINENTAL OIL CO	OIL	4080	Above Wolfcamp	MCA UNIT 288	Plugged	32.81267629	-103.7929949	0.92
224		3002512797	CONOCO INCORPORATED	OIL	4106	Above Wolfcamp	MCA UNIT 041	Plugged	32.82037506	-103.7635889	0.92
225		3002539766	CONOCOPHILLIPS CO	INJ	4176	Above Wolfcamp	MCA UNIT 480	New (Not drilled or compl)	32.80190149	-103.7693755	0.92
226		3002539930	COG OPERATING LLC	OIL	7122	Above Wolfcamp	J C FEDERAL 054	New (Not drilled or compl)	32.81472795	-103.7614175	0.92
227		3002539355	CONOCOPHILLIPS CO	OIL	4206	Above Wolfcamp	MCA UNIT 486	Active	32.80538	-103.7646884	0.92
228		3002538832	COG OPERATING LLC	OIL	7027	Above Wolfcamp	MC FEDERAL 025	Active	32.82644195	-103.7725279	0.93
229		3002500749	CONTINENTAL OIL CO	DRY	3970	Above Wolfcamp	MCA UNIT 210	Plugged	32.80013705	-103.777878	0.93
230		3002539169	COG OPERATING LLC	OIL	7135	Above Wolfcamp	J C FEDERAL 031	Active	32.81415038	-103.7612036	0.93
231		3002539261	COG OPERATING LLC	OIL	7020	Above Wolfcamp	GC FEDERAL 020	Active	32.81920382	-103.7918428	0.94
232		3002539913	COG OPERATING LLC	OIL	7045	Above Wolfcamp	BC FEDERAL 065	New (Not drilled or compl)	32.82598687	-103.7837488	0.94
233		3002512707	MALJAMAR OIL & GAS	OIL	4121	Above Wolfcamp	MCA UNIT 028	Plugged	32.82552786	-103.7693735	0.94
234		3002538727	COG OPERATING LLC	OIL	7035	Above Wolfcamp	BC FEDERAL 027	Active	32.82626721	-103.7836479	0.95
235		3002539778	CONOCOPHILLIPS CO	ABDN	4000	Above Wolfcamp	MCA UNIT 434	New (Not drilled or compl)	32.80378261	-103.7886443	0.95
236		3002500748	CONTINENTAL OIL CO	DRY	4025	Above Wolfcamp	MCA UNIT 209	Plugged	32.80012581	-103.7735614	0.95
237		3002523686	CONTINENTAL OIL CO	OIL	4100	Above Wolfcamp	MCA UNIT 265	Active	32.81674701	-103.7932324	0.96
238		3002538830	COG OPERATING LLC	OIL	7007	Above Wolfcamp	J C FEDERAL 018	Active	32.81733892	-103.761309	0.96
239		3002500628	CONTINENTAL OIL CO	OIL	3987	Above Wolfcamp	MCA UNIT 088	Active	32.8146168	-103.7607141	0.96
240		3002539409	CONOCOPHILLIPS CO	INJ	4180	Above Wolfcamp	MCA UNIT 472	New (Not drilled or compl)	32.80736329	-103.7623369	0.96
241		3002500726	CONTINENTAL OIL CO	DRY	3994	Above Wolfcamp	MCA UNIT 119	Plugged	32.81247564	-103.7607098	0.96
242		3002523798	CONTINENTAL OIL CO	DRY	4080	Above Wolfcamp	MCA UNIT 290	Plugged	32.80929552	-103.7929905	0.97
243		3002508050	CONTINENTAL OIL CO	OIL	5500	Above Wolfcamp	MCA UNIT 257	Plugged	32.82367047	-103.7886932	0.97
244		3002529853	CONOCO INCORPORATED	OIL	4160	Above Wolfcamp	MCA UNIT 369	Active	32.80902066	-103.7929901	0.97
245		3002500763	CONTINENTAL OIL CO	OIL	4013	Above Wolfcamp	MCA UNIT 211	Active	32.80014563	-103.7821946	0.97
246		3002539789	CONOCOPHILLIPS CO	ABDN	4000	Above Wolfcamp	MCA UNIT 493	New (Not drilled or compl)	32.80056007	-103.7837488	0.97
247		3002525849	CONTINENTAL OIL CO	OIL	4150	Above Wolfcamp	MCA UNIT 357	Active	32.79956163	-103.7785635	0.97
248		3002539351	CONOCOPHILLIPS CO	OIL	4200	Above Wolfcamp	MCA UNIT 478	Active	32.80039514	-103.7714497	0.97
249		3002535988	MACK ENERGY CORP	OIL	5946	Above Wolfcamp	J C FEDERAL 003	Active	32.81915384	-103.7618036	0.97
250		3002508057	CONTINENTAL OIL CO	INJ	4081	Above Wolfcamp	MCA UNIT 050	Plugged	32.82192542	-103.7907675	0.98
251		3002538744	COG OPERATING LLC	OIL	7024	Above Wolfcamp	BC FEDERAL 025	Active	32.82464608	-103.7876356	0.98
252		3002500599	CONTINENTAL OIL CO	OIL	4147	Above Wolfcamp	MCA UNIT 014	Plugged	32.82747599	-103.7802156	0.98
253		3002527068	COG OPERATING LLC	SWD	12992	Deep	FEDERAL BI 001	Active	32.79963105	-103.7735603	0.98
254		3002500744	CONTINENTAL OIL CO	OIL	3925	Above Wolfcamp	MCA UNIT 179	Plugged	32.80373169	-103.7650128	0.98
255		3002500745	CONOCO INCORPORATED	OIL	9680	Deep	MCA UNIT 382	Active	32.80411529	-103.7645523	0.98
256		3002539472	COG OPERATING LLC	OIL	7123	Above Wolfcamp	GC FEDERAL 041	Active	32.81586492	-103.7939474	0.99
257		3002539272	COG OPERATING LLC	OIL	7016	Above Wolfcamp	GC FEDERAL 030	Active	32.81376232	-103.7941896	0.99
258		3002508061	CONTINENTAL OIL CO	OIL	4080	Above Wolfcamp	MCA UNIT 024	Plugged	32.82555298	-103.7865577	0.99

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point											
MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
259		3002538738	COG OPERATING LLC	OIL	7015	Above Wolfcamp	MC FEDERAL 014	Active	32.82643512	-103.7694737	0.99
260		3002539860	COG OPERATING LLC	OIL	7135	Above Wolfcamp	J C FEDERAL 050	New (Not drilled or compl)	32.81722783	-103.7606382	0.99
261		3002539626	COG OPERATING LLC	OIL	7178	Above Wolfcamp	GC FEDERAL 040	New (Not drilled or compl)	32.81417464	-103.7942883	1
262		3002533584	CONOCO INCORPORATED	OIL	13900	Deep	ELVIS 001	Active	32.82247514	-103.7907683	1
263		3002520304	CONTINENTAL OIL CO	INJ	2410	Above Wolfcamp	BAISH A 010	Plugged	32.8246136	-103.7661334	1
264		3002539499	COG OPERATING LLC	OIL	7023	Above Wolfcamp	MC FEDERAL 049	New (Not drilled or compl)	32.82475111	-103.7661664	1
265		3002500602	CONTINENTAL OIL CO	OIL	4093	Above Wolfcamp	MCA UNIT 042	Plugged	32.82279468	-103.7639706	1
266		3002523487	CONTINENTAL OIL CO	OIL	4100	Above Wolfcamp	MCA UNIT 254	Active	32.8005279	-103.7696513	1
267		3002524352	CONTINENTAL OIL CO	OIL	4175	Above Wolfcamp	MCA UNIT 333	Active	32.80185432	-103.7670863	1
268		3002538366	COG OPERATING LLC	OIL	6985	Above Wolfcamp	BC FEDERAL 014	Active	32.82283244	-103.790638	1.01
269		3002512792	KEWANEE OIL CO	OIL	4100	Above Wolfcamp	MCA UNIT 149	Active	32.80565963	-103.7626123	1.01
270		3002500630	CONTINENTAL OIL CO	OIL	4102	Above Wolfcamp	MCA UNIT 072	Plugged	32.81824495	-103.7607223	1.01
271		3002539817	CIMAREX ENERGY OF CO	OIL	7020	Above Wolfcamp	JG STATE 003	New (Not drilled or compl)	32.82837684	-103.7773382	1.02
272		3002539874	COG OPERATING LLC	OIL	7035	Above Wolfcamp	MC FEDERAL 051	New (Not drilled or compl)	32.82246315	-103.7632176	1.02
273		3002538999	COG OPERATING LLC	OIL	7050	Above Wolfcamp	MC FEDERAL 031	New (Not drilled or compl)	32.82070159	-103.7618072	1.02
274		3002530491	CONOCO INCORPORATED	OIL	4200	Above Wolfcamp	MCA UNIT 384	Active	32.80740805	-103.7611892	1.02
275		3002533949	CONOCO INCORPORATED	OIL	12100	Deep	ELVIS 004	Active	32.82280503	-103.7911416	1.03
276		3002540031	CIMAREX ENERGY OF CO	OIL	6890	Above Wolfcamp	JG STATE 016	New (Not drilled or compl)	32.82842181	-103.7790066	1.03
277		3002540026	CIMAREX ENERGY OF CO	OIL	6899	Above Wolfcamp	JG STATE 014	New (Not drilled or compl)	32.82832964	-103.7746885	1.03
278		3002539620	COG OPERATING LLC	OIL	7008	Above Wolfcamp	MC FEDERAL 047	New (Not drilled or compl)	32.82648748	-103.7682963	1.03
279		3002500635	CONTINENTAL OIL CO	OIL	4100	Above Wolfcamp	MCA UNIT 040	Plugged	32.82097645	-103.7618078	1.03
280		3002500747	CONTINENTAL OIL CO	DRY	4000	Above Wolfcamp	MCA UNIT 208	Plugged	32.80011476	-103.7693236	1.03
281		3002539247	COG OPERATING LLC	OIL	7040	Above Wolfcamp	J C FEDERAL 027	New (Not drilled or compl)	32.81620914	-103.7596384	1.03
282		3002523672	CONTINENTAL OIL CO	OIL	4070	Above Wolfcamp	MCA UNIT 263	Plugged	32.81998485	-103.7932372	1.04
283		3002529967	CONOCO INCORPORATED	OIL	4203	Above Wolfcamp	MCA UNIT 374	Active	32.81974029	-103.7934789	1.04
284		3002539415	COG OPERATING LLC	OIL	7050	Above Wolfcamp	BC FEDERAL 041	Active	32.82645999	-103.7863628	1.04
285		3002500754	CONTINENTAL OIL CO	OIL	3964	Above Wolfcamp	MCA UNIT 170	Active	32.80378556	-103.7907432	1.04
286		3002523797	CONTINENTAL OIL CO	OIL	4150	Above Wolfcamp	MCA UNIT 294	Active	32.80203728	-103.7886644	1.04
287		3002539816	CIMAREX ENERGY OF CO	OIL	7035	Above Wolfcamp	JG STATE 001	New (Not drilled or compl)	32.82831322	-103.7735108	1.04
288		3002500634	CONTINENTAL OIL CO	DRY	13936	Deep	BAISH B 005	Plugged	32.81824384	-103.7600681	1.04
289		3002508069	CONTINENTAL OIL CO	DRY	3808	Above Wolfcamp	MCA UNIT 098	Plugged	32.81466961	-103.795074	1.05
290		3002500578	CONTINENTAL OIL CO	OIL	4122	Above Wolfcamp	MCA UNIT 012	Plugged	32.82825602	-103.7725294	1.05
291		3002523559	CONTINENTAL OIL CO	OIL	4135	Above Wolfcamp	MCA UNIT 261	Active	32.79838587	-103.7756343	1.05
292		3002500722	CONTINENTAL OIL CO	OIL	4140	Above Wolfcamp	MCA UNIT 148	Plugged	32.80736049	-103.7607019	1.05
293		3002539856	COG OPERATING LLC	OIL	7120	Above Wolfcamp	BC FEDERAL 058	New (Not drilled or compl)	32.82478379	-103.7896924	1.06
294		3002523707	CONTINENTAL OIL CO	OIL	4130	Above Wolfcamp	MCA UNIT 270	Active	32.80566732	-103.7928221	1.06
295		3002538716	COG OPERATING LLC	OIL	6999	Above Wolfcamp	MC FEDERAL 023	Active	32.82460986	-103.7644654	1.06
296		3002500765	CONTINENTAL OIL CO	OIL	4001	Above Wolfcamp	MCA UNIT 212	Active	32.80015156	-103.7865112	1.07
297		3002538856	CONOCOPHILLIPS CO	OIL	4345	Above Wolfcamp	MCA UNIT 411	Active	32.79828495	-103.7738332	1.07
298		3002538978	CONOCOPHILLIPS CO	OIL	4320	Above Wolfcamp	MCA UNIT 409	Active	32.80413758	-103.76243	1.07
299		3002540098	COG OPERATING LLC	OIL	7168	Above Wolfcamp	BC FEDERAL 062	New (Not drilled or compl)	32.82433042	-103.7906565	1.08
300		3002534713	COG OPERATING LLC	OIL	7055	Above Wolfcamp	BC FEDERAL 002	Active	32.82646015	-103.7876384	1.08
301		3002500579	CONTINENTAL OIL CO	OIL	4150	Above Wolfcamp	MCA UNIT 013	Plugged	32.82917525	-103.7779281	1.08

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point

MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
302		3002538728	COG OPERATING LLC	OIL	6965	Above Wolfcamp	MC FEDERAL 018	Active	32.82642878	-103.7666282	1.08
303		3002538979	CONOCOPHILLIPS CO	OIL	4304	Above Wolfcamp	MCA UNIT 410	Active	32.80010993	-103.7674596	1.08
304		3002523938	CONTINENTAL OIL CO	OIL	4200	Above Wolfcamp	MCA UNIT 299	Active	32.81231817	-103.758633	1.08
305		3002508068	CONTINENTAL OIL CO	OIL	3788	Above Wolfcamp	MCA UNIT 062	Plugged	32.81829775	-103.7950794	1.09
306		3002540139	CONOCOPHILLIPS CO	OIL	6927	Above Wolfcamp	TOURMALINE STATE 003	Active	32.82825138	-103.7704592	1.09
307		3002539087	COG OPERATING LLC	OIL	7048	Above Wolfcamp	J C FEDERAL 020	New (Not drilled or compl)	32.81915015	-103.759645	1.09
308		3002524183	CONTINENTAL OIL CO	OIL	4200	Above Wolfcamp	MCA UNIT 316	Active	32.81635861	-103.7586412	1.09
309		3002522661	CONTINENTAL OIL CO	OIL	4130	Above Wolfcamp	MCA UNIT 245	Active	32.82551705	-103.7645329	1.1
310		3002520647	MACK ENERGY CORP	OIL	9958	Deep	MC FEDERAL 007	Active	32.82243252	-103.761386	1.1
311		3002538988	CONOCOPHILLIPS CO	OIL	4322	Above Wolfcamp	MCA UNIT 421	Active	32.8016141	-103.764568	1.1
312		3002540656	CONOCOPHILLIPS CO	OIL	7072	Above Wolfcamp	EMERALD FEDERAL 001	New (Not drilled or compl)	32.82937257	-103.7805453	1.11
313		3002500623	CONTINENTAL OIL CO	DRY	4110	Above Wolfcamp	BAISH A 002	Plugged	32.82188174	-103.7607306	1.11
314		3002539282	COG OPERATING LLC	OIL	7035	Above Wolfcamp	GC FEDERAL 026	New (Not drilled or compl)	32.8156182	-103.7962038	1.12
315		3002541231	CONOCOPHILLIPS CO	AT-TD	7043	Above Wolfcamp	EMERALD FEDERAL 009	New (Not drilled or compl)	32.82852118	-103.7844696	1.12
316		3002536156	CONTINENTAL OIL CO	INJ	5462	Above Wolfcamp	MCA UNIT 246	Plugged	32.82918046	-103.7822461	1.12
317		3002539519	COG OPERATING LLC	SWD	10482	Deep	MALJAMAR SWD 29 001	Active	32.7996851	-103.7870988	1.12
318		3002512785	CONTINENTAL OIL CO	INJ	4000	Above Wolfcamp	MCA UNIT 222	Active	32.79816765	-103.7710197	1.12
319		3002523920	CONTINENTAL OIL CO	OIL	4200	Above Wolfcamp	MCA UNIT 292	Plugged	32.80923973	-103.7586282	1.12
320		3002538973	CONOCOPHILLIPS CO	OIL	4285	Above Wolfcamp	MCA UNIT 400	Active	32.80516534	-103.7606985	1.12
321		3002508048	CONTINENTAL OIL CO	OIL	5441	Above Wolfcamp	MITCHELL B 015	Active	32.81829794	-103.7957335	1.13
322		3002500761	CONTINENTAL OIL CO	DRY	3992	Above Wolfcamp	MCA UNIT 158	Plugged	32.80741333	-103.7950645	1.13
323		3002508049	CONTINENTAL OIL CO	OIL	5349	Above Wolfcamp	MCA UNIT 255	Plugged	32.82380843	-103.7922748	1.13
324		3002538745	COG OPERATING LLC	OIL	7000	Above Wolfcamp	BC FEDERAL 026	Active	32.82101891	-103.7944947	1.13
325		3002539920	CIMAREX ENERGY OF CO	OIL	7000	Above Wolfcamp	JG STATE 015	New (Not drilled or compl)	32.82980985	-103.7790085	1.13
326		3002540393	CONOCOPHILLIPS CO	OIL	7240	Above Wolfcamp	RUBY FEDERAL 001	New (Not drilled or compl)	32.82852128	-103.7852547	1.13
327		3002528161	KERSEY & COMPANY	OIL	4200	Above Wolfcamp	HOVER STATE 006	Active	32.79742302	-103.7811099	1.13
328		3002538980	CONOCOPHILLIPS CO	OIL	4360	Above Wolfcamp	MCA UNIT 412	Active	32.79827463	-103.7698755	1.13
329		3002539798	CIMAREX ENERGY OF CO	OIL	7032	Above Wolfcamp	JG STATE 004	New (Not drilled or compl)	32.83007986	-103.7768499	1.14
330		3002539820	CONOCOPHILLIPS CO	OIL	7180	Above Wolfcamp	TOURMALINE STATE 001	New (Not drilled or compl)	32.82838401	-103.7683004	1.14
331		3002540228	COG OPERATING LLC	OIL	7010	Above Wolfcamp	MC FEDERAL 069	New (Not drilled or compl)	32.82032097	-103.7592944	1.14
332		3002539497	COG OPERATING LLC	OIL	7026	Above Wolfcamp	BC FEDERAL 057	New (Not drilled or compl)	32.82464669	-103.7918508	1.15
333		3002508060	CONTINENTAL OIL CO	DRY	4052	Above Wolfcamp	MCA UNIT 023	Plugged	32.82555356	-103.7907728	1.15
334		3002539544	COG OPERATING LLC	OIL	7042	Above Wolfcamp	BC FEDERAL 055	New (Not drilled or compl)	32.82646043	-103.7896948	1.15
335		3002500590	CONTINENTAL OIL CO	OIL	5386	Above Wolfcamp	MITCHELL B 010	Active	32.82827408	-103.7865628	1.15
336		3002539797	CIMAREX ENERGY OF CO	OIL	7030	Above Wolfcamp	JG STATE 002	New (Not drilled or compl)	32.83007499	-103.7746909	1.15
337		3002539322	CONOCOPHILLIPS CO	OIL	4338	Above Wolfcamp	MCA UNIT 491	Active	32.79691514	-103.7755506	1.15
338		3002539862	COG OPERATING LLC	OIL	7124	Above Wolfcamp	J C FEDERAL 053	New (Not drilled or compl)	32.81495184	-103.7573493	1.16
339		3002524376	CONTINENTAL OIL CO	OIL	4150	Above Wolfcamp	MCA UNIT 338	Active	32.81998676	-103.7586493	1.16
340		3002524233	CONTINENTAL OIL CO	OIL	4175	Above Wolfcamp	MCA UNIT 321	Active	32.80198023	-103.7626064	1.16
341		3002512764	CONTINENTAL OIL CO	OIL	4010	Above Wolfcamp	MCA UNIT 099	Plugged	32.81292506	-103.7973119	1.17
342		3002540506	CONOCOPHILLIPS CO	OIL	6925	Above Wolfcamp	EMERALD FEDERAL 010	New (Not drilled or compl)	32.83008737	-103.7815113	1.17
343		3002540025	CIMAREX ENERGY OF CO	OIL	6922	Above Wolfcamp	JG STATE 013	New (Not drilled or compl)	32.8300701	-103.7725319	1.17
344		3002500567	CONTINENTAL OIL CO	OIL	4125	Above Wolfcamp	MCA UNIT 011	Plugged	32.82915602	-103.7693808	1.17

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point											
MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
345		3002512748	MALJAMAR OIL & GAS	OIL	4155	Above Wolfcamp	MCA UNIT 029	Plugged	32.82642284	-103.7639789	1.17
346		3002540153	COG OPERATING LLC	OIL	7109	Above Wolfcamp	MC FEDERAL 058	New (Not drilled or compl)	32.8246046	-103.7618161	1.17
347		3002500746	CONTINENTAL OIL CO	OIL	4005	Above Wolfcamp	MCA UNIT 207	Plugged	32.80010352	-103.765007	1.17
348		3002539164	COG OPERATING LLC	OIL	7119	Above Wolfcamp	J C FEDERAL 023	Active	32.81678263	-103.757481	1.17
349		3002539410	CONOCOPHILLIPS CO	AT-TD	4270	Above Wolfcamp	MCA UNIT 473	New (Not drilled or compl)	32.80730177	-103.7585108	1.17
350		3002539170	COG OPERATING LLC	OIL	7315	Above Wolfcamp	J C FEDERAL 032	Active	32.81370335	-103.7569834	1.17
351		3002500728	CONTINENTAL OIL CO	OIL	4170	Above Wolfcamp	MCA UNIT 180	Active	32.80372233	-103.7606962	1.17
352		3002540244	MACK ENERGY CORP	OIL	7062	Above Wolfcamp	BROOK FEDERAL 001	New (Not drilled or compl)	32.81111088	-103.7972604	1.18
353		3002540520	CONOCOPHILLIPS CO	OIL	7273	Above Wolfcamp	EMERALD FEDERAL 002	New (Not drilled or compl)	32.8300875	-103.7822637	1.18
354		3002540505	CONOCOPHILLIPS CO	OIL	6882	Above Wolfcamp	RUBY FEDERAL 049	New (Not drilled or compl)	32.82827421	-103.7876423	1.18
355		3002500798	CONTINENTAL OIL CO	OIL	4283	Above Wolfcamp	MCA UNIT 220	Plugged	32.79650888	-103.7778713	1.18
356		3002540338	MACK ENERGY CORP	OIL	10242	Deep	BROOK FEDERAL 003	Active	32.81069858	-103.7972599	1.19
357		3002523673	CONTINENTAL OIL CO	OIL	4060	Above Wolfcamp	MCA UNIT 264	Active	32.81655321	-103.7973172	1.19
358		3002508058	CONTINENTAL OIL CO	OIL	3990	Above Wolfcamp	MCA UNIT 051	Plugged	32.82192602	-103.7950847	1.19
359		3002500799	CONTINENTAL OIL CO	DRY	3955	Above Wolfcamp	MCA UNIT 221	Plugged	32.79649763	-103.7735554	1.19
360		3002534647	MACK ENERGY CORP	GAS	14914	Deep	MC FEDERAL COM 001	Active	32.82106769	-103.7587401	1.19
361		3002524349	CONTINENTAL OIL CO	OIL	4225	Above Wolfcamp	MCA UNIT 332	Active	32.79836401	-103.7672443	1.19
362		3002523741	CONTINENTAL OIL CO	OIL	4025	Above Wolfcamp	MCA UNIT 281	Active	32.80929672	-103.7971436	1.2
363		3002539821	CONOCOPHILLIPS CO	OIL	7004	Above Wolfcamp	TOURMALINE STATE 002	New (Not drilled or compl)	32.83006545	-103.7704615	1.2
364		3002539619	COG OPERATING LLC	OIL	7010	Above Wolfcamp	MC FEDERAL 045	New (Not drilled or compl)	32.82695882	-103.7639801	1.2
365		3002539863	COG OPERATING LLC	OIL	7130	Above Wolfcamp	J C FEDERAL 055	New (Not drilled or compl)	32.81353764	-103.7565252	1.2
366		3002500592	CONOCO INCORPORATED	OIL	4180	Above Wolfcamp	MITCHELL B 009	Plugged	32.82918111	-103.7865641	1.21
367		3002523767	CONTINENTAL OIL CO	DRY	4185	Above Wolfcamp	MCA UNIT 293	Plugged	32.80204313	-103.7928175	1.21
368		3002534914	KERSEY & COMPANY	OIL	4202	Above Wolfcamp	HOVER STATE 008	Active	32.79742897	-103.7854258	1.21
369		3002500789	KERSEY & COMPANY	OIL	3955	Above Wolfcamp	HOVER STATE 001	Active	32.79651747	-103.7821872	1.21
370		3002539480	COG OPERATING LLC	OIL	7027	Above Wolfcamp	J C FEDERAL 049	Active	32.81914643	-103.7574863	1.21
371		3002500626	CONTINENTAL OIL CO	DRY	3978	Above Wolfcamp	MCA UNIT 087	Plugged	32.81460936	-103.7563968	1.21
372		3002524127	CONOCO INCORPORATED	OIL	4250	Above Wolfcamp	MCA UNIT 314	Active	32.80561157	-103.7586226	1.21
373		3002539162	COG OPERATING LLC	OIL	7022	Above Wolfcamp	GC FEDERAL 019	New (Not drilled or compl)	32.8142873	-103.7981315	1.22
374		3002540006	COG OPERATING LLC	OIL	7017	Above Wolfcamp	GC FEDERAL 052	New (Not drilled or compl)	32.8153865	-103.7980187	1.22
375		3002539416	COG OPERATING LLC	OIL	7006	Above Wolfcamp	BC FEDERAL 042	New (Not drilled or compl)	32.82101912	-103.7961627	1.22
376		3002540097	COG OPERATING LLC	OIL	7153	Above Wolfcamp	BC FEDERAL 060	New (Not drilled or compl)	32.82378121	-103.7942535	1.22
377		3002500757	CONTINENTAL OIL CO	INJ	4170	Above Wolfcamp	MCA UNIT 213	Plugged	32.80015741	-103.7907385	1.22
378		3002540149	CONOCOPHILLIPS CO	OIL	7030	Above Wolfcamp	AQUAMARINE STATE 003	New (Not drilled or compl)	32.82824051	-103.7655851	1.22
379		3002523984	CONTINENTAL OIL CO	OIL	4175	Above Wolfcamp	MCA UNIT 300	Active	32.79611394	-103.7739798	1.22
380		3002530363	CONOCO INCORPORATED	OIL	10000	Deep	BAISH A 014	Active	32.82509845	-103.7612612	1.22
381		3002538262	COG OPERATING LLC	OIL	7011	Above Wolfcamp	MC FEDERAL 010	Active	32.82319932	-103.7596543	1.22
382		3002500720	CONTINENTAL OIL CO	OIL	3955	Above Wolfcamp	MCA UNIT 120	Active	32.81098121	-103.7563909	1.22
383		3002508052	CONTINENTAL OIL CO	DRY	5350	Above Wolfcamp	MCA UNIT 253	Plugged	32.8219261	-103.7957389	1.23
384		3002540357	MACK ENERGY CORP	OIL	9770	Deep	BROOK FEDERAL 005	Active	32.80818361	-103.7972565	1.23
385		3002539481	COG OPERATING LLC	OIL	7130	Above Wolfcamp	J C FEDERAL 051	New (Not drilled or compl)	32.81657437	-103.7562606	1.23
386		3002538814	COG OPERATING LLC	OIL	7041	Above Wolfcamp	BC FEDERAL 029	Active	32.82244833	-103.7956742	1.24
387		3002536194	MACK ENERGY CORP	OIL	6598	Above Wolfcamp	BC FEDERAL 008	Active	32.82464698	-103.7940094	1.24

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point											
MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
388		3002500755	CONTINENTAL OIL CO	OIL	3935	Above Wolfcamp	MCA UNIT 169	Active	32.80379154	-103.7950598	1.24
389		3002534733	COG OPERATING LLC	OIL	7008	Above Wolfcamp	BC FEDERAL 001	Active	32.82646079	-103.7920988	1.24
390		3002540140	CONOCOPHILLIPS CO	OIL	7000	Above Wolfcamp	TOURMALINE STATE 004	New (Not drilled or compl)	32.83006174	-103.7687931	1.24
391		3002539166	COG OPERATING LLC	OIL	7123	Above Wolfcamp	J C FEDERAL 028	Active	32.81551578	-103.7560391	1.24
392		3002512771	CONOCO INCORPORATED	INJ	4024	Above Wolfcamp	MCA UNIT 061	Plugged	32.82004371	-103.7971588	1.25
393		3002540222	CONOCOPHILLIPS CO	OIL	6960	Above Wolfcamp	RUBY FEDERAL 003	New (Not drilled or compl)	32.8282745	-103.7896964	1.25
394		3002539019	COG OPERATING LLC	OIL	6960	Above Wolfcamp	EDWARD STATE 007	New (Not drilled or compl)	32.83175651	-103.7768522	1.25
395		3002539321	CONOCOPHILLIPS CO	OIL	4300	Above Wolfcamp	MCA UNIT 490	Active	32.79628341	-103.7704606	1.25
396		3002538831	COG OPERATING LLC	OIL	7046	Above Wolfcamp	J C FEDERAL 017	Active	32.82096944	-103.7574905	1.25
397		3002500631	CONTINENTAL OIL CO	OIL	4112	Above Wolfcamp	MCA UNIT 073	Active	32.81823752	-103.756405	1.25
398		3002538986	CONOCOPHILLIPS CO	OIL	4380	Above Wolfcamp	MCA UNIT 418	Active	32.80188076	-103.7606933	1.25
399		3002533854	CONOCO INCORPORATED	OIL	14000	Deep	ELVIS 002	Active	32.82948359	-103.7876309	1.26
400		3002538730	COG OPERATING LLC	OIL	7025	Above Wolfcamp	EDWARD STATE 004	Active	32.83147203	-103.7725993	1.26
401		3002539849	CONOCOPHILLIPS CO	OIL	6955	Above Wolfcamp	AQUAMARINE STATE 001	New (Not drilled or compl)	32.8282734	-103.764316	1.26
402		3002535989	MACK ENERGY CORP	OIL	6918	Above Wolfcamp	MC FEDERAL 008	Active	32.82641867	-103.7618203	1.26
403		3002500624	CONTINENTAL OIL CO	DRY	4104	Above Wolfcamp	MCA UNIT 030	Plugged	32.82550989	-103.7607389	1.26
404		3002500800	CONTINENTAL OIL CO	OIL	4051	Above Wolfcamp	MCA UNIT 223	Active	32.79648658	-103.7693166	1.26
405		3002538987	CONOCOPHILLIPS CO	OIL	4375	Above Wolfcamp	MCA UNIT 419	Active	32.80009705	-103.7623746	1.26
406		3002538972	CONOCOPHILLIPS CO	OIL	4348	Above Wolfcamp	MCA UNIT 399	Active	32.80413087	-103.7585058	1.26
407		3002541019	CONOCOPHILLIPS CO	OIL	6999	Above Wolfcamp	RUBY FEDERAL 051	New (Not drilled or compl)	32.82827457	-103.7902035	1.27
408		3002539683	COG OPERATING LLC	OIL	7020	Above Wolfcamp	EDWARD STATE 011	New (Not drilled or compl)	32.83189878	-103.7790114	1.27
409		3002539836	COG OPERATING LLC	OIL	7005	Above Wolfcamp	EDWARD STATE 010	New (Not drilled or compl)	32.83188907	-103.7746934	1.27
410		3002512747	MALIAMAR OIL & GAS	DRY	4114	Above Wolfcamp	MCA UNIT 010	Plugged	32.82801644	-103.7637203	1.27
411		3002539616	COG OPERATING LLC	OIL	7124	Above Wolfcamp	J C FEDERAL 045	New (Not drilled or compl)	32.82270235	-103.7582794	1.27
412		3002538740	COG OPERATING LLC	OIL	6952	Above Wolfcamp	MC FEDERAL 019	Active	32.82460111	-103.7596575	1.27
413		3002500577	MACK ENERGY CORP	GAS	4169	Above Wolfcamp	EDWARD STATE 003	Active	32.83208634	-103.7768527	1.28
414		3002500719	CONTINENTAL OIL CO	OIL	4100	Above Wolfcamp	QUEEN B 006	Plugged	32.80735305	-103.7563853	1.28
415		3002538989	CONOCOPHILLIPS CO	OIL	4385	Above Wolfcamp	MCA UNIT 420	Active	32.79826079	-103.7645624	1.28
416		3002540221	CONOCOPHILLIPS CO	OIL	6995	Above Wolfcamp	EMERALD FEDERAL 003	New (Not drilled or compl)	32.83190145	-103.7816611	1.29
417		3002500790	KERSEY & COMPANY	OIL	4022	Above Wolfcamp	HOVER STATE 002	Active	32.7965234	-103.7865031	1.29
418		3002508041	CONTINENTAL OIL CO	OIL	3968	Above Wolfcamp	MCA UNIT 100	Plugged	32.81467469	-103.7993913	1.3
419		3002500576	CONTINENTAL OIL CO	OIL	4350	Above Wolfcamp	EDWARD STATE 002	Active	32.83207709	-103.7727637	1.3
420		3002529955	CONOCO INCORPORATED	OIL	4250	Above Wolfcamp	MCA UNIT 371	Plugged	32.7945929	-103.7756773	1.31
421		3002538994	COG OPERATING LLC	OIL	6817	Above Wolfcamp	GC FEDERAL 011	Active	32.81712095	-103.7993949	1.32
422		3002512798	CONOCO INCORPORATED	OIL	3995	Above Wolfcamp	MCA UNIT 168	Active	32.8055408	-103.7976781	1.32
423		3002539414	COG OPERATING LLC	OIL	7036	Above Wolfcamp	BC FEDERAL 040	New (Not drilled or compl)	32.82646105	-103.7940121	1.32
424		3002540394	CONOCOPHILLIPS CO	OIL	7240	Above Wolfcamp	RUBY FEDERAL 002	New (Not drilled or compl)	32.83050056	-103.7876454	1.32
425		3002530679	MACK ENERGY CORP	OIL	6060	Above Wolfcamp	LEAKER CC STATE 009	Active	32.83187952	-103.7704637	1.32
426		3002539764	CONOCOPHILLIPS CO	OIL	4365	Above Wolfcamp	MCA UNIT 467	New (Not drilled or compl)	32.79451969	-103.7739606	1.32
427		3002539431	CONOCOPHILLIPS CO	AT-TD	4274	Above Wolfcamp	MCA UNIT 477	New (Not drilled or compl)	32.80533686	-103.7565784	1.32
428		3002508059	CONTINENTAL OIL CO	DRY	4023	Above Wolfcamp	MCA UNIT 022	Plugged	32.82555416	-103.7950901	1.33
429		3002500575	CONTINENTAL OIL CO	DRY	4216	Above Wolfcamp	GULF STATE E 001	Plugged	32.8328034	-103.7779332	1.33
430		3002526720	ARROWHEAD OIL CORP	OIL	4230	Above Wolfcamp	WALLINGFORD 002	Plugged	32.79743478	-103.7896603	1.33

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point											
MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
431		3002539850	CONOCOPHILLIPS CO	OIL	6979	Above Wolfcamp	AQUAMARINE STATE 002	New (Not drilled or compl)	32.830054	-103.7653257	1.33
432		3002539432	CONOCOPHILLIPS CO	OIL	4334	Above Wolfcamp	MCA UNIT 489	Active	32.79647919	-103.766472	1.33
433		3002512795	CONOCO INCORPORATED	OIL	4100	Above Wolfcamp	MCA UNIT 086	Active	32.81286042	-103.7543257	1.33
434		3002500729	CONTINENTAL OIL CO	OIL	4002	Above Wolfcamp	MCA UNIT 206	Active	32.80009417	-103.7606904	1.33
435		3002508035	CONTINENTAL OIL CO	OIL	3725	Above Wolfcamp	MCA UNIT 060	Plugged	32.81830285	-103.7993967	1.34
436		3002540151	COG OPERATING LLC	OIL	7042	Above Wolfcamp	GC FEDERAL 058	New (Not drilled or compl)	32.81937433	-103.7991693	1.34
437		3002538742	COG OPERATING LLC	OIL	6944	Above Wolfcamp	BC FEDERAL 023	Plugged	32.82124055	-103.7983217	1.34
438		3002540387	MACK ENERGY CORP	PERMIT	7000	Above Wolfcamp	BROOK FEDERAL 006	New (Not drilled or compl)	32.80791272	-103.7991856	1.34
439		3002500586	CONTINENTAL OIL CO	DRY	4079	Above Wolfcamp	MCA UNIT 015	Plugged	32.82918169	-103.7907774	1.34
440		3002500584	PHILLIPS PETRLM CO	DHSO	4075	Above Wolfcamp	MALJAMAR 002	Plugged	32.83279365	-103.7736152	1.34
441		3002500632	CONTINENTAL OIL CO	DRY	4075	Above Wolfcamp	MCA UNIT 039	Plugged	32.82187471	-103.7564133	1.34
442		3002524274	CONTINENTAL OIL CO	OIL	4200	Above Wolfcamp	MCA UNIT 327	Active	32.8161586	-103.7542558	1.34
443		3002539088	COG OPERATING LLC	OIL	7015	Above Wolfcamp	J C FEDERAL 021	Active	32.81934856	-103.7551712	1.34
444		3002524128	CONTINENTAL OIL CO	DRY	4260	Above Wolfcamp	MCA UNIT 315	Plugged	32.80197341	-103.7586169	1.34
445		3002540310	COG OPERATING LLC	SWD	10285	Deep	MALJAMAR SWD 30 002	Active	32.80915074	-103.7997431	1.35
446		3002539618	COG OPERATING LLC	OIL	7028	Above Wolfcamp	MC FEDERAL 043	New (Not drilled or compl)	32.82641518	-103.7596616	1.35
447		3002538836	COG OPERATING LLC	OIL	6961	Above Wolfcamp	J C FEDERAL 016	Active	32.82440559	-103.7577437	1.35
448		3002512782	CONOCO INCORPORATED	OIL	4139	Above Wolfcamp	MCA UNIT 225	Active	32.79821493	-103.762764	1.35
449		3002512749	MALJAMAR OIL & GAS	DRY	515	Above Wolfcamp	PEARSALL LM 001	Plugged	32.79759876	-103.7636621	1.35
450		3002500815	CONOCO INCORPORATED	OIL	9486	Deep	MCA UNIT 383	Plugged	32.79737956	-103.7639233	1.35
451		3002500809	COCKBURN BARNEY	OIL	4188	Above Wolfcamp	MCA UNIT 230	Plugged	32.79460916	-103.7713896	1.35
452		3002539111	COG OPERATING LLC	OIL	7037	Above Wolfcamp	GC FEDERAL 015	Active	32.81558395	-103.800472	1.36
453		3002500784	CONTINENTAL OIL CO	OIL	3757	Above Wolfcamp	MCA UNIT 159	Plugged	32.80741838	-103.7993811	1.36
454		3002508051	CONTINENTAL OIL CO	OIL	5370	Above Wolfcamp	MCA UNIT 331	Active	32.82555424	-103.7957442	1.36
455		3002500589	CONTINENTAL OIL CO	OIL	5397	Above Wolfcamp	MITCHELL B 011	Active	32.82918179	-103.7914316	1.36
456		3002500598	CONTINENTAL OIL CO	OIL	4240	Above Wolfcamp	MCA UNIT 008	Active	32.83280859	-103.7822512	1.36
457		3002538838	COG OPERATING LLC	OIL	7000	Above Wolfcamp	LEAKER CC STATE 015	Active	32.83187472	-103.7683047	1.36
458		3002500801	CONTINENTAL OIL CO	DRY	4209	Above Wolfcamp	MCA UNIT 224	Plugged	32.7967502	-103.7650012	1.36
459		3002523846	CONTINENTAL OIL CO	OIL	4185	Above Wolfcamp	MCA UNIT 282	Active	32.80923224	-103.7543116	1.36
460		3002523825	CONOCO INCORPORATED	INJ	4085	Above Wolfcamp	MCA UNIT 298	Plugged	32.82367174	-103.7973277	1.37
461		3002508032	CONTINENTAL OIL CO	OIL	5288	Above Wolfcamp	MCA UNIT 259	Plugged	32.81830419	-103.8000508	1.37
462		3002540138	CONOCOPHILLIPS CO	OIL	7034	Above Wolfcamp	AQUAMARINE STATE 004	New (Not drilled or compl)	32.83005099	-103.7639845	1.37
463		3002534772	MACK ENERGY CORP	OIL	5950	Above Wolfcamp	J C FEDERAL 002	Active	32.8209659	-103.7553318	1.37
464		3002500797	MALJAMAR OIL & GAS	DHSO	4339	Above Wolfcamp	PEARSALL PERMIT 003	Plugged	32.79647534	-103.7650007	1.37
465		3002500730	CONTINENTAL OIL CO	OIL	4205	Above Wolfcamp	MCA UNIT 183	Active	32.80923213	-103.7542431	1.37
466		3002540007	COG OPERATING LLC	OIL	7036	Above Wolfcamp	GC FEDERAL 055	New (Not drilled or compl)	32.81734306	-103.8004746	1.38
467		3002539433	CONOCOPHILLIPS CO	OIL	4373	Above Wolfcamp	MCA UNIT 492	Plugged	32.79464501	-103.7693135	1.38
468		3002500759	CONTINENTAL OIL CO	OIL	3981	Above Wolfcamp	MCA UNIT 109	Active	32.80016339	-103.7950551	1.39
469		3002539422	COG OPERATING LLC	OIL	6925	Above Wolfcamp	GC FEDERAL 049	New (Not drilled or compl)	32.81392226	-103.8010582	1.39
470		3002540339	MACK ENERGY CORP	OIL	10134	Deep	BROOK FEDERAL 004	Active	32.81080226	-103.8008899	1.39
471		3002540523	CONOCOPHILLIPS CO	OIL	6965	Above Wolfcamp	RUBY FEDERAL 004	New (Not drilled or compl)	32.83008875	-103.7909588	1.39
472		3002500756	CONTINENTAL OIL CO	OIL	4125	Above Wolfcamp	MCA UNIT 214	Plugged	32.80016339	-103.7950551	1.39
473		3002539835	COG OPERATING LLC	OIL	7020	Above Wolfcamp	EDWARD STATE 009	New (Not drilled or compl)	32.83370801	-103.776855	1.39

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point											
MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
474		3002538621	COG OPERATING LLC	OIL	7040	Above Wolfcamp	EDWARD STATE 005	Active	32.83371286	-103.7790139	1.39
475		3002500724	CONTINENTAL OIL CO	OIL	4011	Above Wolfcamp	MCA UNIT 181	Active	32.80371484	-103.7563796	1.39
476		3002538842	COG OPERATING LLC	OIL	6815	Above Wolfcamp	GC FEDERAL 008	Active	32.8195603	-103.8000527	1.4
477		3002540337	MACK ENERGY CORP	OIL	7105	Above Wolfcamp	BROOK FEDERAL 002	New (Not drilled or compl)	32.81187462	-103.8010875	1.4
478		3002541009	CONOCOPHILLIPS CO	AT-TD	6964	Above Wolfcamp	RUBY FEDERAL 013	New (Not drilled or compl)	32.83190231	-103.787402	1.4
479		3002538834	COG OPERATING LLC	OIL	7012	Above Wolfcamp	EDWARD STATE 006	Active	32.83370314	-103.774696	1.4
480		3002500569	MACK ENERGY CORP	OIL	4318	Above Wolfcamp	LEAKER CC STATE 003	Active	32.83278416	-103.7693853	1.4
481		3002530116	CONOCO INCORPORATED	OIL	4250	Above Wolfcamp	MCA UNIT 378	Plugged	32.81978131	-103.7542932	1.4
482		3002500794	KERSEY & COMPANY	DRY	4041	Above Wolfcamp	WALLINGFORD 001	Plugged	32.79652925	-103.7907348	1.41
483		3002539682	COG OPERATING LLC	OIL	7016	Above Wolfcamp	EDWARD STATE 008	New (Not drilled or compl)	32.83369824	-103.772537	1.41
484		3002500808	CONTINENTAL OIL CO	OIL	4165	Above Wolfcamp	MCA UNIT 233	Active	32.79315556	-103.7778654	1.41
485		3002531092	KERSEY & COMPANY	OIL	4245	Above Wolfcamp	HOVER STATE 007	Active	32.79332759	-103.7811026	1.41
486		3002500637	CONTINENTAL OIL CO	DRY	13657	Deep	BAISH B 001	Plugged	32.82550463	-103.7575009	1.41
487		3002512780	CONTINENTAL OIL CO	SRV	4102	Above Wolfcamp	MCA UNIT 038	Plugged	32.82029086	-103.7543327	1.41
488		3002538985	CONOCOPHILLIPS CO	OIL	4466	Above Wolfcamp	MCA UNIT 417	Active	32.79852746	-103.7606879	1.41
489		3002523732	CONTINENTAL OIL CO	OIL	4030	Above Wolfcamp	MCA UNIT 276	Active	32.81293361	-103.8014656	1.42
490		3002508037	CONTINENTAL OIL CO	DRY	3999	Above Wolfcamp	MCA UNIT 052	Plugged	32.82192911	-103.799402	1.42
491		3002539625	COG OPERATING LLC	OIL	7015	Above Wolfcamp	BC FEDERAL 054	New (Not drilled or compl)	32.82646133	-103.7961708	1.42
492		3002523824	CONTINENTAL OIL CO	OIL	4160	Above Wolfcamp	MCA UNIT 295	Active	32.80204929	-103.7972976	1.42
493		3002541011	CONOCOPHILLIPS CO	AT-TD	7028	Above Wolfcamp	RUBY FEDERAL 015	New (Not drilled or compl)	32.83223214	-103.7874025	1.42
494		3002539389	COG OPERATING LLC	OIL	7018	Above Wolfcamp	LEAKER CC STATE 029	New (Not drilled or compl)	32.8318699	-103.7661457	1.42
495		3002500805	CONTINENTAL OIL CO	DRY	3406	Above Wolfcamp	PEARSALL A 001	Plugged	32.7928807	-103.7778649	1.42
496		3002537656	COG OPERATING LLC	OIL	10200	Deep	J C FEDERAL 004	Active	32.82277998	-103.755336	1.42
497		3002523739	CONTINENTAL OIL CO	DRY	4050	Above Wolfcamp	MCA UNIT 279	Plugged	32.81642433	-103.8014708	1.43
498		3002539467	COG OPERATING LLC	OIL	7044	Above Wolfcamp	BC FEDERAL 049	New (Not drilled or compl)	32.82405786	-103.7983258	1.43
499		3002527292	ARROWHEAD OIL CORP	OIL	4301	Above Wolfcamp	WALLINGFORD 003	Active	32.79562069	-103.7896546	1.43
500		3002529852	CONOCO INCORPORATED	OIL	4396	Above Wolfcamp	MCA UNIT 370	Plugged	32.7943795	-103.7676194	1.43
501		3002538984	CONOCOPHILLIPS CO	OIL	4465	Above Wolfcamp	MCA UNIT 416	Active	32.80009042	-103.7584994	1.43
502		3002500593	CONTINENTAL OIL CO	DRY	4200	Above Wolfcamp	MITCHELL B 008	Plugged	32.83280923	-103.7865691	1.44
503		3002538733	COG OPERATING LLC	OIL	7016	Above Wolfcamp	LEAKER CC STATE 012	New (Not drilled or compl)	32.83369359	-103.7704658	1.44
504		3002500558	CONTINENTAL OIL CO	DRY	4002	Above Wolfcamp	MCA UNIT BATTERY 2 009	Plugged	32.82913803	-103.7607449	1.44
505		3002500804	CONTINENTAL OIL CO	DRY	3396	Above Wolfcamp	PEARSALL A 003	Plugged	32.79286945	-103.773549	1.44
506		3002521226	CONTINENTAL OIL CO	OIL	9950	Deep	HUDSON 001	Active	32.82944091	-103.7610724	1.44
507		3002500807	CONTINENTAL OIL CO	DRY	4327	Above Wolfcamp	MCA UNIT 232	Plugged	32.79284196	-103.773549	1.44
508		3002523789	CONTINENTAL OIL CO	OIL	4025	Above Wolfcamp	MCA UNIT 289	Plugged	32.8096631	-103.8016241	1.45
509		3002538992	COG OPERATING LLC	OIL	6918	Above Wolfcamp	BC FEDERAL 036	Active	32.8210235	-103.80048	1.45
510		3002539611	COG OPERATING LLC	OIL	6910	Above Wolfcamp	BC FEDERAL 046	New (Not drilled or compl)	32.82464881	-103.7983267	1.45
511		3002540358	CONOCOPHILLIPS CO	OIL	7230	Above Wolfcamp	EMERALD FEDERAL 012	New (Not drilled or compl)	32.83391091	-103.7830999	1.45
512		3002500793	KERSEY & COMPANY	OIL	4150	Above Wolfcamp	HOVER FRITSCHI STATE 005	Plugged	32.79288931	-103.7821808	1.45
513		3002539478	COG OPERATING LLC	OIL	7025	Above Wolfcamp	J C FEDERAL 039	New (Not drilled or compl)	32.82641167	-103.757503	1.45
514		3002530731	CONOCO INCORPORATED	OIL	4420	Above Wolfcamp	MCA UNIT 385	Plugged	32.81446462	-103.7521768	1.45
515		3002500640	CONTINENTAL OIL CO	OIL	3997	Above Wolfcamp	MCA UNIT 085	Plugged	32.81460205	-103.7521769	1.45
516		3002512793	CONOCO INCORPORATED	OIL	4070	Above Wolfcamp	MCA UNIT 182	Plugged	32.80545618	-103.7540884	1.45

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point											
MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
517		3002500775	CONTINENTAL OIL CO	OIL	3912	Above Wolfcamp	MCA UNIT 167	Active	32.80379894	-103.7993763	1.46
518		3002500625	CONOCO INCORPORATED	GAS	4159	Above Wolfcamp	BAISH B 002	Plugged	32.82550286	-103.7564216	1.46
519		3002500715	CONTINENTAL OIL CO	INJ	4099	Above Wolfcamp	MCA UNIT 121	Active	32.81097389	-103.75217	1.46
520		3002538860	CONOCOPHILLIPS CO	OIL	4531	Above Wolfcamp	MCA UNIT 406	Active	32.79647155	-103.7623196	1.46
521		3002538983	CONOCOPHILLIPS CO	OIL	4412	Above Wolfcamp	MCA UNIT 415	Active	32.80187284	-103.7561314	1.46
522		3002540524	CONOCOPHILLIPS CO	OIL	6975	Above Wolfcamp	RUBY FEDERAL 005	New (Not drilled or compl)	32.82937457	-103.7941797	1.47
523		3002538993	COG OPERATING LLC	OIL	6805	Above Wolfcamp	GC FEDERAL 010	Active	32.8173054	-103.8022243	1.48
524		3002523743	CONTINENTAL OIL CO	OIL	4075	Above Wolfcamp	MCA UNIT 283	Active	32.81991505	-103.8014759	1.48
525		3002539113	COG OPERATING LLC	OIL	7050	Above Wolfcamp	GC FEDERAL 018	Active	32.81418656	-103.8026286	1.48
526		3002540223	CONOCOPHILLIPS CO	OIL	6925	Above Wolfcamp	RUBY FEDERAL 053	New (Not drilled or compl)	32.82827534	-103.7957645	1.48
527		3002526835	ARROWHEAD OIL CORP	DRY	4250	Above Wolfcamp	HOVER 001	Plugged	32.7974408	-103.7939729	1.48
528		3002539761	COG OPERATING LLC	OIL	7135	Above Wolfcamp	LEAKER CC STATE 031	New (Not drilled or compl)	32.8336888	-103.7683069	1.48
529		3002538619	COG OPERATING LLC	OIL	7025	Above Wolfcamp	LEAKER CC STATE 010	Active	32.83186506	-103.7639867	1.48
530		3002539775	CONOCOPHILLIPS CO	ABDN	4000	Above Wolfcamp	MCA UNIT 430	New (Not drilled or compl)	32.79258905	-103.7714353	1.48
531		3002540597	COG OPERATING LLC	PERMIT	7100	Above Wolfcamp	SC FEDERAL 010	New (Not drilled or compl)	32.81537109	-103.7518509	1.48
532		3002539498	COG OPERATING LLC	OIL	7120	Above Wolfcamp	GC FEDERAL 054	New (Not drilled or compl)	32.81517606	-103.80263	1.49
533		3002539543	COG OPERATING LLC	OIL	6924	Above Wolfcamp	BC FEDERAL 047	New (Not drilled or compl)	32.81558835	-103.8026306	1.49
534		3002541010	CONOCOPHILLIPS CO	OIL	6986	Above Wolfcamp	RUBY FEDERAL 014	New (Not drilled or compl)	32.83330408	-103.7874105	1.49
535		3002500627	CONTINENTAL OIL CO	INJ	4112	Above Wolfcamp	MCA UNIT 074	Active	32.81823019	-103.7521816	1.49
536		3002538995	COG OPERATING LLC	OIL	7042	Above Wolfcamp	J C FEDERAL 019	Active	32.82137488	-103.7532649	1.49
537		3002537964	COG OPERATING LLC	OIL	7100	Above Wolfcamp	J C FEDERAL 005	Active	32.8257909	-103.7560788	1.49
538		3002523738	CONTINENTAL OIL CO	OIL	4230	Above Wolfcamp	MCA UNIT 275	Active	32.79459253	-103.7649975	1.49
539		3002539684	COG OPERATING LLC	OIL	7112	Above Wolfcamp	J C FEDERAL 042	New (Not drilled or compl)	32.82429088	-103.7548325	1.49
540		3002524513	CONTINENTAL OIL CO	OIL	4425	Above Wolfcamp	MCA UNIT 346	Active	32.79842824	-103.7589219	1.49
541		3002500803	KEWANEE OIL CO	OIL	4288	Above Wolfcamp	MCA UNIT 231	Active	32.7928584	-103.7693105	1.5
542		3002500585	CONTINENTAL OIL CO	DRY	4074	Above Wolfcamp	MCA UNIT 016	Plugged	32.82918229	-103.7950954	1.5
543		3002500571	CONTINENTAL OIL CO	OIL	4224	Above Wolfcamp	LEAKER CC STATE 005	Active	32.83277452	-103.7650673	1.5
544		3002535652	MACK ENERGY CORP	OIL	7562	Above Wolfcamp	BC FEDERAL 006	Active	32.82298896	-103.8006464	1.51
545		3002539165	COG OPERATING LLC	OIL	7148	Above Wolfcamp	J C FEDERAL 024	Active	32.81732219	-103.7516244	1.51
546		3002539873	COG OPERATING LLC	OIL	7090	Above Wolfcamp	J C FEDERAL 048	New (Not drilled or compl)	32.81963198	-103.7521834	1.51
547		3002540599	COG OPERATING LLC	PERMIT	7100	Above Wolfcamp	SC FEDERAL 012	New (Not drilled or compl)	32.81425945	-103.751156	1.51
548		3002539765	CONOCOPHILLIPS CO	OIL	4618	Above Wolfcamp	MCA UNIT 470	New (Not drilled or compl)	32.79326501	-103.7671205	1.51
549		3002538164	COG OPERATING LLC	OIL	6720	Above Wolfcamp	BC FEDERAL 013	Active	32.82646288	-103.7983294	1.52
550		3002523930	CONTINENTAL OIL CO	DRY	4040	Above Wolfcamp	MCA UNIT 278	Plugged	32.80567762	-103.8016188	1.52
551		3002539938	CIMAREX ENERGY OF CO	OIL	7031	Above Wolfcamp	JG STATE 024	New (Not drilled or compl)	32.83552354	-103.7790165	1.52
552		3002500792	KERSEY & COMPANY	OIL	4150	Above Wolfcamp	HOVER STATE 004	Active	32.79289523	-103.7864967	1.52
553		3002500717	CONTINENTAL OIL CO	OIL	3885	Above Wolfcamp	MCA UNIT 146	Active	32.80734573	-103.7521628	1.52
554		3002539350	CONOCOPHILLIPS CO	OIL	4270	Above Wolfcamp	MCA UNIT 476	New (Not drilled or compl)	32.80549526	-103.7528131	1.52
555		3002500817	CONTINENTAL OIL CO	OIL	4270	Above Wolfcamp	MCA UNIT 226	Plugged	32.796466	-103.7606848	1.52
556		3002500727	CONTINENTAL OIL CO	OIL	4195	Above Wolfcamp	MCA UNIT 205	Plugged	32.80008668	-103.7563738	1.52
557		3002539474	COG OPERATING LLC	OIL	7112	Above Wolfcamp	GC FEDERAL 056	New (Not drilled or compl)	32.81458134	-103.8034893	1.53
558		3002500596	CONTINENTAL OIL CO	OIL	5405	Above Wolfcamp	MCA UNIT 267	Active	32.82918237	-103.7957496	1.53
559		3002540525	CONOCOPHILLIPS CO	OIL	7270	Above Wolfcamp	EMERALD FEDERAL 005	New (Not drilled or compl)	32.83552565	-103.7811755	1.53

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point

MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
560		3002539935	CIMAREX ENERGY OF CO	OIL	7010	Above Wolfcamp	JG STATE 007	New (Not drilled or compl)	32.83579487	-103.7768579	1.53
561		3002539799	CIMAREX ENERGY OF CO	OIL	7026	Above Wolfcamp	JG STATE 005	New (Not drilled or compl)	32.83551427	-103.77339	1.53
562		3002538735	COG OPERATING LLC	OIL	7020	Above Wolfcamp	LEAKER CC STATE 014	Active	32.83368398	-103.7661479	1.53
563		3002527929	LYNX PET CONSLT INC	OIL	4212	Above Wolfcamp	LYNX FEDERAL 003	Active	32.82822574	-103.7575053	1.53
564		3002539291	COG OPERATING LLC	OIL	7015	Above Wolfcamp	J C FEDERAL 033	New (Not drilled or compl)	32.82277666	-103.7532667	1.53
565		3002508030	CONTINENTAL OIL CO	OIL	4030	Above Wolfcamp	MCA UNIT 021	Active	32.82555726	-103.7994074	1.54
566		3002508043	CONTINENTAL OIL CO	OIL	3632	Above Wolfcamp	MCA UNIT 101	Plugged	32.81468348	-103.8037086	1.55
567		3002500769	CONTINENTAL OIL CO	INJ	4010	Above Wolfcamp	MCA UNIT 107	Plugged	32.81105532	-103.8037025	1.56
568		3002538741	COG OPERATING LLC	OIL	7040	Above Wolfcamp	BC FEDERAL 022	Active	32.82465164	-103.8004854	1.56
569		3002535813	MACK ENERGY CORP	OIL	6620	Above Wolfcamp	BC FEDERAL 007	Active	32.82075142	-103.8026382	1.56
570		3002539759	COG OPERATING LLC	OIL	7112	Above Wolfcamp	LEAKER CC STATE 028	New (Not drilled or compl)	32.83550939	-103.770468	1.56
571		3002500633	CONTINENTAL OIL CO	DRY	4139	Above Wolfcamp	MCA UNIT 037	Plugged	32.82186793	-103.7521862	1.56
572		3002539089	COG OPERATING LLC	OIL	7025	Above Wolfcamp	J C FEDERAL 022	Active	32.81913536	-103.7511034	1.56
573		3002524095	CONTINENTAL OIL CO	OIL	4075	Above Wolfcamp	MCA UNIT 309	Plugged	32.82353977	-103.8014813	1.57
574		3002500791	KERSEY & COMPANY	DRY	4150	Above Wolfcamp	HOVER 003	Plugged	32.79653523	-103.7950507	1.57
575		3002539800	CIMAREX ENERGY OF CO	OIL	7000	Above Wolfcamp	JG STATE 017	New (Not drilled or compl)	32.83623108	-103.7746995	1.57
576		3002539627	COG OPERATING LLC	OIL	7110	Above Wolfcamp	J C FEDERAL 056	New (Not drilled or compl)	32.81732043	-103.7506105	1.57
577		3002500731	CONTINENTAL OIL CO	DRY	3357	Above Wolfcamp	QUEEN B 001	Plugged	32.80170179	-103.7541984	1.57
578		3002500814	KEWANEE OIL CO	OIL	4400	Above Wolfcamp	PEARSALL AX 007	Plugged	32.79313942	-103.7653416	1.57
579		3002508042	CONTINENTAL OIL CO	OIL	3995	Above Wolfcamp	MCA UNIT 059	Plugged	32.81831163	-103.803714	1.58
580		3002500580	CONTINENTAL OIL CO	OIL	3690	Above Wolfcamp	MCA UNIT 005	Active	32.83642881	-103.7779383	1.58
581		3002539760	COG OPERATING LLC	OIL	7125	Above Wolfcamp	LEAKER CC STATE 030	New (Not drilled or compl)	32.83367913	-103.7639889	1.58
582		3002538697	COG OPERATING LLC	OIL	7035	Above Wolfcamp	J C FEDERAL 013	Active	32.82459073	-103.753269	1.58
583		3002539110	COG OPERATING LLC	OIL	7025	Above Wolfcamp	GC FEDERAL 014	Active	32.81489122	-103.8045004	1.59
584		3002500781	CONTINENTAL OIL CO	DRY	4015	Above Wolfcamp	MCA UNIT 215	Plugged	32.80017078	-103.7993717	1.59
585		3002541012	CONOCOPHILLIPS CO	AT-TD	6969	Above Wolfcamp	RUBY FEDERAL 016	New (Not drilled or compl)	32.83357942	-103.7907845	1.59
586		3002500581	CONTINENTAL OIL CO	DRY	3762	Above Wolfcamp	STATE O 001	Plugged	32.83642168	-103.7736203	1.59
587		3002524058	CONTINENTAL OIL CO	OIL	4140	Above Wolfcamp	MCA UNIT 307	Plugged	32.81223697	-103.7498507	1.59
588		3002500802	KEWANEE OIL CO	OIL	4075	Above Wolfcamp	PEARSALL A FEDERAL 007	Plugged	32.79284716	-103.7649946	1.59
589		3002540359	CONOCOPHILLIPS CO	OIL	7246	Above Wolfcamp	RUBY FEDERAL 007	New (Not drilled or compl)	32.82827695	-103.7983324	1.6
590		3002500770	CONTINENTAL OIL CO	OIL	3994	Above Wolfcamp	MCA UNIT 160	Plugged	32.80742716	-103.8036977	1.6
591		3002540395	CONOCOPHILLIPS CO	OIL	6860	Above Wolfcamp	RUBY FEDERAL 006	New (Not drilled or compl)	32.83010049	-103.7964838	1.6
592		3002520280	CONTINENTAL OIL CO	OIL	5460	Above Wolfcamp	MITCHELL B 019	Plugged	32.83371685	-103.7907847	1.6
593		3002500597	CONTINENTAL OIL CO	OIL	3660	Above Wolfcamp	MCA UNIT 006	Plugged	32.83643299	-103.7822563	1.6
594		3002539029	COG OPERATING LLC	OIL	7025	Above Wolfcamp	LEAKER CC STATE 018	New (Not drilled or compl)	32.83550575	-103.768309	1.6
595		3002524236	CONTINENTAL OIL CO	OIL	4175	Above Wolfcamp	MCA UNIT 325	Active	32.81648095	-103.7499389	1.6
596		3002539929	COG OPERATING LLC	OIL	7117	Above Wolfcamp	J C FEDERAL 047	New (Not drilled or compl)	32.8209592	-103.7511058	1.6
597		3002500718	CONTINENTAL OIL CO	OIL	4009	Above Wolfcamp	MCA UNIT 184	Active	32.80370756	-103.7521554	1.6
598		3002540005	COG OPERATING LLC	OIL	7041	Above Wolfcamp	GC FEDERAL 051	New (Not drilled or compl)	32.81377861	-103.8047866	1.61
599		3002536364	MACK ENERGY CORP	OIL	5100	Above Wolfcamp	PEARSALL AX 008	Active	32.7901479	-103.7767811	1.61
600		3002539430	CONOCOPHILLIPS CO	INJ	4301	Above Wolfcamp	MCA UNIT 466	New (Not drilled or compl)	32.81091454	-103.7496519	1.61
601		3002524369	CONTINENTAL OIL CO	OIL	4136	Above Wolfcamp	MCA UNIT 335	Active	32.80908721	-103.7499262	1.61
602		3002539468	COG OPERATING LLC	OIL	6920	Above Wolfcamp	BC FEDERAL 050	Active	32.82301077	-103.8026416	1.62

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point											
MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
603		3002539421	COG OPERATING LLC	OIL	6920	Above Wolfcamp	GC FEDERAL 035	New (Not drilled or compl)	32.81832691	-103.804476	1.62
604		3002539418	COG OPERATING LLC	OIL	7030	Above Wolfcamp	BC FEDERAL 044	New (Not drilled or compl)	32.82646571	-103.800488	1.62
605		3002541013	CONOCOPHILLIPS CO	AT-TD	6920	Above Wolfcamp	RUBY FEDERAL 017	New (Not drilled or compl)	32.8321781	-103.7940207	1.62
606		3002524009	CONTINENTAL OIL CO	OIL	4175	Above Wolfcamp	MCA UNIT 304	Active	32.80205785	-103.8014507	1.62
607		3002539348	CONOCOPHILLIPS CO	OIL	4260	Above Wolfcamp	MCA UNIT 471	New (Not drilled or compl)	32.8073425	-103.7502988	1.62
608		3002538982	CONOCOPHILLIPS CO	OIL	4510	Above Wolfcamp	MCA UNIT 414	Active	32.80008299	-103.7542736	1.62
609		3002539780	CONOCOPHILLIPS CO	ABDN	4000	Above Wolfcamp	MCA UNIT 438	New (Not drilled or compl)	32.79462443	-103.7606817	1.62
610		3002538859	CONOCOPHILLIPS CO	OIL	4566	Above Wolfcamp	MCA UNIT 405	Active	32.79783308	-103.7565151	1.62
611		3002539776	CONOCOPHILLIPS CO	ABDN	4000	Above Wolfcamp	MCA UNIT 431	New (Not drilled or compl)	32.79646139	-103.7580037	1.62
612		3002539937	CIMAREX ENERGY OF CO	PERMIT	7000	Above Wolfcamp	JG STATE 023	New (Not drilled or compl)	32.83719665	-103.7768599	1.63
613		3002500559	CONTINENTAL OIL CO	DRY	4000	Above Wolfcamp	LYNX FEDERAL 007	Active	32.83276628	-103.7608147	1.63
614		3002524499	CONTINENTAL OIL CO	OIL	4122	Above Wolfcamp	MCA UNIT 345	Plugged	32.81969709	-103.7501066	1.63
615		3002539934	CIMAREX ENERGY OF CO	OIL	7014	Above Wolfcamp	JG STATE 006	New (Not drilled or compl)	32.83733051	-103.7747011	1.64
616		3002500570	CONTINENTAL OIL CO	OIL	4293	Above Wolfcamp	LEAKER CC STATE 004	Active	32.8364146	-103.7693896	1.64
617		3002539758	COG OPERATING LLC	OIL	7115	Above Wolfcamp	LEAKER CC STATE 027	New (Not drilled or compl)	32.83550209	-103.76615	1.64
618		3002538261	COG OPERATING LLC	OIL	7020	Above Wolfcamp	J C FEDERAL 009	Active	32.82277327	-103.751108	1.64
619		3002508038	CONTINENTAL OIL CO	OIL	3987	Above Wolfcamp	MCA UNIT 053	Plugged	32.82193469	-103.8037193	1.65
620		3002540892	CONOCOPHILLIPS CO	OIL	6814	Above Wolfcamp	EMERALD FEDERAL 006	New (Not drilled or compl)	32.83692805	-103.7833365	1.65
621		3002527443	GULF OIL CORP	OIL	4200	Above Wolfcamp	LEA LL STATE 001	Active	32.79257126	-103.7907295	1.65
622		3002539479	COG OPERATING LLC	OIL	7036	Above Wolfcamp	J C FEDERAL 040	Active	32.82640481	-103.7532712	1.65
623		3002527291	ARROWHEAD OIL CORP	DRY	4168	Above Wolfcamp	HOVER 002	Plugged	32.79562966	-103.7961284	1.66
624		3002539801	CIMAREX ENERGY OF CO	OIL	7027	Above Wolfcamp	JG STATE 018	New (Not drilled or compl)	32.83732692	-103.7725421	1.66
625		3002535814	MACK ENERGY CORP	OIL	7085	Above Wolfcamp	GC FEDERAL 001	Active	32.81898784	-103.8051083	1.67
626		3002512762	CONTINENTAL OIL CO	OIL	3975	Above Wolfcamp	MCA UNIT 106	Plugged	32.81273639	-103.8059011	1.67
627		3002500594	CONTINENTAL OIL CO	OIL	4208	Above Wolfcamp	MITCHELL B 003	Plugged	32.83643419	-103.7865742	1.67
628		3002541017	CONOCOPHILLIPS CO	PERMIT	7000	Above Wolfcamp	RUBY FEDERAL 025	New (Not drilled or compl)	32.83640679	-103.7869177	1.67
629		3002536362	MACK ENERGY CORP	OIL	5125	Above Wolfcamp	PEARSALL AX 006	Active	32.78953508	-103.7732488	1.67
630		3002500636	CONTINENTAL OIL CO	OIL	4160	Above Wolfcamp	BAISH B 003	Active	32.82549608	-103.7521908	1.67
631		3002540586	COG OPERATING LLC	PERMIT	7100	Above Wolfcamp	SC FEDERAL 002	New (Not drilled or compl)	32.81731721	-103.7487789	1.67
632		3002524275	CONTINENTAL OIL CO	OIL	4215	Above Wolfcamp	MCA UNIT 329	Active	32.80544943	-103.7500824	1.67
633		3002523745	CONTINENTAL OIL CO	OIL	4060	Above Wolfcamp	MCA UNIT 285	Active	32.81657045	-103.8057883	1.68
634		3002500776	CONOCO INCORPORATED	INJ	4066	Above Wolfcamp	MCA UNIT 166	Plugged	32.80380772	-103.8036929	1.68
635		3002500595	RUTLEDGE WJ JR	JNK	860	Above Wolfcamp	PPEARSALL A 001	Plugged	32.7892433	-103.7778584	1.68
636		3002500811	CONTINENTAL OIL CO	DRY	3490	Above Wolfcamp	PEARSALL AX 001	Plugged	32.7892433	-103.7778584	1.68
637		3002538734	COG OPERATING LLC	OIL	6975	Above Wolfcamp	LEAKER CC STATE 013	New (Not drilled or compl)	32.83732346	-103.7704702	1.68
638		3002524583	CONTINENTAL OIL CO	OIL	4350	Above Wolfcamp	MCA UNIT 353	Active	32.79874996	-103.7542952	1.68
639		3002508034	CONTINENTAL OIL CO	DRY	5362	Above Wolfcamp	MCA UNIT 272	Plugged	32.82193551	-103.8043734	1.69
640		3002524057	CONTINENTAL OIL CO	OIL	4020	Above Wolfcamp	MCA UNIT 306	Active	32.80931414	-103.8057768	1.69
641		3002508023	CONTINENTAL OIL CO	DRY	4200	Above Wolfcamp	MITCHELL B 012	Plugged	32.8291854	-103.7994133	1.69
642		3002500591	CONTINENTAL OIL CO	DRY	4336	Above Wolfcamp	MITCHELL B 007	Plugged	32.83281041	-103.7951012	1.69
643		3002521840	CONTINENTAL OIL CO	INJ	3538	Above Wolfcamp	PEARSALL AX 004	Plugged	32.78923341	-103.7735425	1.69
644		3002539028	COG OPERATING LLC	OIL	6988	Above Wolfcamp	LEAKER CC STATE 017	New (Not drilled or compl)	32.8354984	-103.7639911	1.69
645		3002540596	COG OPERATING LLC	PERMIT	7100	Above Wolfcamp	SC FEDERAL 009	New (Not drilled or compl)	32.81606578	-103.7483194	1.69

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point

MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
646		3002539786	CONOCOPHILLIPS CO	ABDN	4000	Above Wolfcamp	MCA UNIT 445	New (Not drilled or compl)	32.79242834	-103.7623128	1.69
647		3002500818	CONTINENTAL OIL CO	OIL	4171	Above Wolfcamp	MCA UNIT 227	Plugged	32.79645852	-103.7563689	1.69
648		3002539624	COG OPERATING LLC	OIL	7032	Above Wolfcamp	BC FEDERAL 052	New (Not drilled or compl)	32.82192203	-103.8045762	1.7
649		3002538743	COG OPERATING LLC	OIL	6926	Above Wolfcamp	BC FEDERAL 024	Active	32.82256757	-103.8042763	1.7
650		3002540508	CONOCOPHILLIPS CO	OIL	6820	Above Wolfcamp	RUBY FEDERAL 055	New (Not drilled or compl)	32.82827978	-103.8004914	1.7
651		3002500795	LARUE & MUNCY	OIL	3490	Above Wolfcamp	PEARSALL QUEEN SAND UNIT 001	Plugged	32.7892532	-103.7821744	1.7
652		3002528372	LYNX PET CONSLT INC	OIL	4200	Above Wolfcamp	LYNX FEDERAL 004	Active	32.83185388	-103.7575097	1.7
653		3002540587	COG OPERATING LLC	PERMIT	7100	Above Wolfcamp	SC FEDERAL 007	New (Not drilled or compl)	32.81885627	-103.7486991	1.7
654		3002536503	MACK ENERGY CORP	OIL	6025	Above Wolfcamp	PEARSALL A 002	Active	32.79012736	-103.7678182	1.7
655		3002539952	COG OPERATING LLC	OIL	7045	Above Wolfcamp	LEAKER CC STATE 026	New (Not drilled or compl)	32.83732064	-103.7688019	1.71
656		3002500639	CONTINENTAL OIL CO	OIL	4015	Above Wolfcamp	MCA UNIT 084	Active	32.81459447	-103.7478596	1.71
657		3002500716	CONTINENTAL OIL CO	OIL	4001	Above Wolfcamp	MCA UNIT 122	Active	32.81096631	-103.7478534	1.71
658		3002520425	FOREST OIL CORPORATN	DHSO	9220	Deep	CARPER 001	Plugged	32.80471693	-103.8047733	1.72
659		3002540521	CONOCOPHILLIPS CO	OIL	7221	Above Wolfcamp	RUBY FEDERAL 008	New (Not drilled or compl)	32.83011975	-103.799284	1.72
660		3002500566	CONTINENTAL OIL CO	GAS	4202	Above Wolfcamp	LEAKER CC STATE 002	Active	32.83731982	-103.7683112	1.72
661		3002512558	CONTINENTAL OIL CO	JNK	254	Above Wolfcamp	STATE B 007	Plugged	32.83640728	-103.7650716	1.72
662		3002538699	COG OPERATING LLC	OIL	7017	Above Wolfcamp	J C FEDERAL 015	Active	32.82095577	-103.7489471	1.72
663		3002539408	CONOCOPHILLIPS CO	OIL	4350	Above Wolfcamp	MCA UNIT 468	New (Not drilled or compl)	32.8089876	-103.748013	1.72
664		3002500820	CONTINENTAL OIL CO	INJ	4440	Above Wolfcamp	MCA UNIT BATTERY 2 229	Plugged	32.79283784	-103.7606787	1.72
665		3002540246	COG OPERATING LLC	OIL	6935	Above Wolfcamp	BC FEDERAL 017	New (Not drilled or compl)	32.82490304	-103.8036223	1.73
666		3002512770	CONOCO INCORPORATED	OIL	4016	Above Wolfcamp	MCA UNIT 058	Plugged	32.8200476	-103.8058752	1.73
667		3002538724	COG OPERATING LLC	OIL	7017	Above Wolfcamp	BC FEDERAL 016	Active	32.8264685	-103.8026467	1.73
668		3002500574	CONTINENTAL OIL CO	DRY	4147	Above Wolfcamp	LEAKER CC 007	Plugged	32.83640716	-103.7650062	1.73
669		3002500723	CONTINENTAL OIL CO	OIL	4132	Above Wolfcamp	MCA UNIT 204	Active	32.8000794	-103.752148	1.73
670		3002512711	CONTINENTAL OIL CO	OIL	4055	Above Wolfcamp	MCA UNIT 075	Active	32.81822261	-103.7478643	1.73
671		3002541014	CONOCOPHILLIPS CO	AT-TD	6912	Above Wolfcamp	RUBY FEDERAL 018	New (Not drilled or compl)	32.83331899	-103.7958544	1.74
672		3002536361	MACK ENERGY CORP	OIL	5110	Above Wolfcamp	PEARSALL AX 005	Active	32.78832887	-103.7746199	1.74
673		3002500806	COCKBURN BARNEY	DHSO	4643	Above Wolfcamp	PEARSALL A 011	Plugged	32.7892237	-103.7693043	1.74
674		3002538731	COG OPERATING LLC	OIL	6999	Above Wolfcamp	J C FEDERAL 010	Active	32.8258517	-103.7511119	1.74
675		3002539320	CONOCOPHILLIPS CO	OIL	4390	Above Wolfcamp	MCA UNIT 474	Active	32.80403296	-103.74954	1.74
676		3002508029	CONTINENTAL OIL CO	OIL	4015	Above Wolfcamp	MCA UNIT 020	Plugged	32.82556283	-103.8037247	1.75
677		3002512781	CONOCO INCORPORATED	OIL	4034	Above Wolfcamp	MCA UNIT 161	Plugged	32.80555727	-103.8057717	1.75
678		3002535935	MACK ENERGY CORP	OIL	6280	Above Wolfcamp	GC FEDERAL 004	Active	32.81775472	-103.80697	1.76
679		3002527776	GULF OIL CORP	DRY	4262	Above Wolfcamp	LEA LL STATE 002	Plugged	32.79290707	-103.7950459	1.76
680		3002500796	LARUE & MUNCY	OIL	4700	Above Wolfcamp	PEARSALL QUEEN SAND UNIT 002	Active	32.78926309	-103.7864903	1.76
681		3002538589	COG OPERATING LLC	OIL	7020	Above Wolfcamp	LEAKER CC STATE 001	Active	32.83731615	-103.7661522	1.76
682		3002527861	LYNX PET CONSLT INC	OIL	4200	Above Wolfcamp	LYNX FEDERAL 001	Active	32.82926335	-103.753278	1.76
683		3002539615	COG OPERATING LLC	OIL	7018	Above Wolfcamp	J C FEDERAL 044	New (Not drilled or compl)	32.82276984	-103.7489494	1.76
684		3002500714	CONTINENTAL OIL CO	OIL	4100	Above Wolfcamp	MCA UNIT 145	Active	32.80733815	-103.7478462	1.76
685		3002541015	CONOCOPHILLIPS CO	AT-TD	6934	Above Wolfcamp	RUBY FEDERAL 019	New (Not drilled or compl)	32.83190508	-103.7983382	1.77
686		3002530438	MACK ENERGY CORP	OIL	4200	Above Wolfcamp	BROWN FEDERAL 003	Plugged	32.79713578	-103.8004464	1.77
687		3002539936	CIMAREX ENERGY CO	PERMIT	7000	Above Wolfcamp	JG STATE 011	New (Not drilled or compl)	32.83914458	-103.7747037	1.77
688		3002500732	CONTINENTAL OIL CO	OIL	4274	Above Wolfcamp	MCA UNIT 185	Active	32.8019587	-103.7500753	1.77

Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point											
MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
689		3002539349	CONOCOPHILLIPS CO	OIL	4405	Above Wolfcamp	MCA UNIT 475	Active	32.80535016	-103.7483327	1.77
690		3002520588	ASHMUN & HILLIARD	DRY	8176	Above Wolfcamp	SOUTH MALJAMAR DEEP 001	Plugged	32.79927035	-103.802608	1.78
691		3002540893	CONOCOPHILLIPS CO	OIL	7032	Above Wolfcamp	EMERALD FEDERAL 007	New (Not drilled or compl)	32.83915377	-103.7811807	1.78
692		3002536502	MACK ENERGY CORP	OIL	5360	Above Wolfcamp	PEARSALL A 001	Active	32.7883191	-103.7703818	1.78
693		3002536546	MACK ENERGY CORP	OIL	5200	Above Wolfcamp	PEARSALL A 003	Plugged	32.79011873	-103.7640745	1.78
694		3002540598	COG OPERATING LLC	PERMIT	7100	Above Wolfcamp	SC FEDERAL 011	New (Not drilled or compl)	32.8138773	-103.746436	1.79
695		3002525107	V-F PETROLEUM INC	OIL	11700	Deep	HUDSON FEDERAL 001	Active	32.83275914	-103.7564313	1.79
696		3002540593	COG OPERATING LLC	PERMIT	7100	Above Wolfcamp	SC FEDERAL 008	New (Not drilled or compl)	32.81731348	-103.7466857	1.79
697		3002500782	CONTINENTAL OIL CO	OIL	4000	Above Wolfcamp	MCA UNIT 216	Plugged	32.80017956	-103.8036883	1.8
698		3002512579	CONTINENTAL OIL CO	INJ	3975	Above Wolfcamp	MCA UNIT 102	Plugged	32.81469221	-103.8080448	1.8
699		3002500568	CONTINENTAL OIL CO	OIL	4160	Above Wolfcamp	MCA UNIT 007	Plugged	32.83734205	-103.7897112	1.8
700		3002500629	CONTINENTAL OIL CO	OIL	4002	Above Wolfcamp	MCA UNIT 036	Plugged	32.82186106	-103.7478689	1.8
701		3002524462	CONTINENTAL OIL CO	OIL	4150	Above Wolfcamp	MCA UNIT 341	Active	32.81305228	-103.7461896	1.8
702		3002500783	CONTINENTAL OIL CO	OIL	3958	Above Wolfcamp	MCA UNIT 108	Active	32.81106405	-103.8080406	1.81
703		3002540360	CONOCOPHILLIPS CO	OIL	6935	Above Wolfcamp	RUBY FEDERAL 009	New (Not drilled or compl)	32.82869486	-103.802651	1.81
704		3002540227	COG OPERATING LLC	OIL	7095	Above Wolfcamp	GC FEDERAL 061	New (Not drilled or compl)	32.81762173	-103.8078104	1.81
705		3002500778	CONTINENTAL OIL CO	OIL	3934	Above Wolfcamp	MCA UNIT 105	Plugged	32.81106405	-103.8080406	1.81
706		3002539109	COG OPERATING LLC	OIL	6922	Above Wolfcamp	GC FEDERAL 013	Active	32.814459	-103.8082571	1.81
707		3002539838	COG OPERATING LLC	OIL	7035	Above Wolfcamp	LEAKER CC STATE 024	New (Not drilled or compl)	32.83913752	-103.7704723	1.81
708		3002539932	COG OPERATING LLC	OIL	7030	Above Wolfcamp	LEAKER CC STATE 025	New (Not drilled or compl)	32.83731247	-103.7639932	1.81
709		3002525418	PED OIL CORP	OIL	11652	Deep	HUDSON FEDERAL 001	Plugged	32.82912422	-103.7521982	1.81
710		3002538696	COG OPERATING LLC	OIL	7000	Above Wolfcamp	J C FEDERAL 012	Plugged	32.82458391	-103.7489517	1.81
711		3002538981	CONOCOPHILLIPS CO	OIL	4620	Above Wolfcamp	MCA UNIT 413	Active	32.79823728	-103.7518162	1.81
712		3002539788	CONOCOPHILLIPS CO	ABDN	4000	Above Wolfcamp	MCA UNIT 450	New (Not drilled or compl)	32.7960417	-103.753773	1.82
713		3002524515	CONTINENTAL OIL CO	OIL	4175	Above Wolfcamp	MCA UNIT 347	Active	32.80935547	-103.7462151	1.82
714		3002508044	CONTINENTAL OIL CO	OIL	3970	Above Wolfcamp	MCA UNIT 057	Plugged	32.81832036	-103.8080501	1.83
715		3002500582	CONTINENTAL OIL CO	OIL	4146	Above Wolfcamp	MCA UNIT 003	Plugged	32.84005695	-103.7779435	1.83
716		3002540592	COG OPERATING LLC	PERMIT	7100	Above Wolfcamp	SC FEDERAL 001	New (Not drilled or compl)	32.81922332	-103.7464429	1.83
717		3002535481	MACK ENERGY CORP	OIL	5600	Above Wolfcamp	BC FEDERAL 004	Active	32.82647123	-103.8048053	1.84
718		3002540238	COG OPERATING LLC	OIL	7025	Above Wolfcamp	GC FEDERAL 057	New (Not drilled or compl)	32.81752382	-103.808327	1.84
719		3002524056	CONTINENTAL OIL CO	OIL	4100	Above Wolfcamp	MCA UNIT 305	Active	32.80206654	-103.8057672	1.84
720		3002500583	CONTINENTAL OIL CO	DRY	4154	Above Wolfcamp	MCA UNIT 004	Plugged	32.84004982	-103.7736255	1.84
721		3002539030	COG OPERATING LLC	OIL	7016	Above Wolfcamp	LEAKER CC STATE 019	New (Not drilled or compl)	32.83913389	-103.7683133	1.84
722		3002527857	LYNX PET CONSLT INC	GAS	4161	Above Wolfcamp	LYNX FEDERAL 002	Active	32.8364006	-103.7607537	1.84
723		3002539617	COG OPERATING LLC	OIL	7140	Above Wolfcamp	J C FEDERAL 046	New (Not drilled or compl)	32.82095228	-103.7467885	1.84
724		3002500721	CONTINENTAL OIL CO	OIL	4265	Above Wolfcamp	MCA UNIT 186	Plugged	32.80370014	-103.7478388	1.84
725		3002500780	CONTINENTAL OIL CO	OIL	3979	Above Wolfcamp	MCA UNIT 162	Plugged	32.80743589	-103.8080353	1.85
726		3002538726	COG OPERATING LLC	OIL	6908	Above Wolfcamp	BC FEDERAL 021	Active	32.82075863	-103.8077921	1.85
727		3002537023	WISER OIL CO	DRY	5000	Above Wolfcamp	LEA LL STATE 004	Plugged	32.7920015	-103.7961237	1.85
728		3002500600	CONTINENTAL OIL CO	OIL	4052	Above Wolfcamp	MCA UNIT 002	Plugged	32.84006112	-103.7822615	1.85
729		3002508026	CONOCO INCORPORATED	DRY	4196	Above Wolfcamp	MITCHELL B 006	Plugged	32.83281353	-103.7994192	1.86
730		3002508033	CONTINENTAL OIL CO	SUSOIL	14246	Deep	MITCHELL B 017	Plugged	32.8178268	-103.8086381	1.86
731		3002538904	COG OPERATING LLC	OIL	7020	Above Wolfcamp	BC FEDERAL 020	Active	32.82486514	-103.8061627	1.86

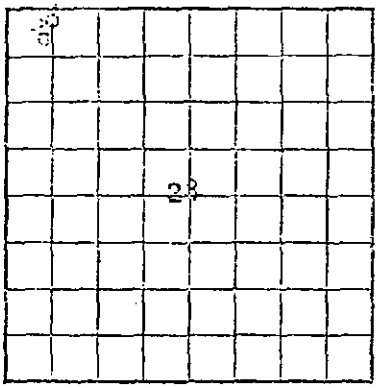
Table B1: Wells Within Two Miles of Proposed AGI #2 Injection Point											
MapID		API	Operator	Status	TD	Zone	WellName	Status	Lat	Long	Miles
732		3002538737	COG OPERATING LLC	OIL	7046	Above Wolfcamp	GC FEDERAL 007	Active	32.81779128	-103.808746	1.86
733		3002541018	CONOCOPHILLIPS CO	PERMIT	6987	Above Wolfcamp	RUBY FEDERAL 028	New (Not drilled or compl)	32.83734276	-103.7923609	1.86
734		3002539477	COG OPERATING LLC	OIL	7110	Above Wolfcamp	J C FEDERAL 038	New (Not drilled or compl)	32.82639798	-103.748954	1.86
735		3002524109	CONTINENTAL OIL CO	OIL	4250	Above Wolfcamp	MCA UNIT 312	Active	32.82025031	-103.7461171	1.86
736		3002524370	CONTINENTAL OIL CO	DRY	4200	Above Wolfcamp	MCA UNIT 336	Plugged	32.81647268	-103.7452946	1.86
737		3002539837	COG OPERATING LLC	OIL	7020	Above Wolfcamp	LEAKER CC STATE 023	New (Not drilled or compl)	32.83913022	-103.7661544	1.88
738		3002500572	CONTINENTAL OIL CO	DRY	4196	Above Wolfcamp	LEAKER CC 006	Plugged	32.84004274	-103.7693939	1.88
739		3002538698	COG OPERATING LLC	OIL	7004	Above Wolfcamp	J C FEDERAL 014	Plugged	32.82276635	-103.7467908	1.88
740		3002540683	COG OPERATING LLC	PERMIT	7100	Above Wolfcamp	VC FEDERAL 004	New (Not drilled or compl)	32.8169533	-103.7450826	1.88
741		3002539469	COG OPERATING LLC	OIL	7049	Above Wolfcamp	BC FEDERAL 051	New (Not drilled or compl)	32.82308082	-103.8075665	1.89
742		3002508039	CONTINENTAL OIL CO	OIL	3814	Above Wolfcamp	MCA UNIT 054	Plugged	32.82194095	-103.8080554	1.89
743		3002536443	COG OPERATING LLC	ABDN	7229	Above Wolfcamp	GC FEDERAL 002	Active	32.81863862	-103.8091299	1.89
744		3002500638	CONOCO INCORPORATED	OIL	4109	Above Wolfcamp	BAISH B 004	Plugged	32.82548921	-103.7478735	1.89
745		3002508028	CONTINENTAL OIL CO	OIL	4024	Above Wolfcamp	MCA UNIT 019	Active	32.82466028	-103.8069613	1.9
746		3002500587	CONTINENTAL OIL CO	OIL	4123	Above Wolfcamp	MCA UNIT 001	Plugged	32.83997986	-103.7865793	1.9
747		3002528679	LYNX PET CONSLT INC	OIL	4250	Above Wolfcamp	LYNX FEDERAL 005	Active	32.83548843	-103.7570888	1.91
748		3002527165	CONOCO INCORPORATED	OIL	4200	Above Wolfcamp	MITCHELL B 020	Active	32.82932923	-103.8043858	1.92
749		3002500772	CONTINENTAL OIL CO	OIL	3965	Above Wolfcamp	MCA UNIT 165	Active	32.80381661	-103.80803	1.92
750		3002539031	COG OPERATING LLC	OIL	7032	Above Wolfcamp	LEAKER CC STATE 020	New (Not drilled or compl)	32.83912653	-103.7639954	1.92
751		3002539859	COG OPERATING LLC	OIL	7140	Above Wolfcamp	J C FEDERAL 041	New (Not drilled or compl)	32.82458043	-103.746793	1.92
752		3002523848	CONTINENTAL OIL CO	OIL	4070	Above Wolfcamp	MCA UNIT 286	Active	32.81295134	-103.8102827	1.93
753		3002539290	COG OPERATING LLC	OIL	6832	Above Wolfcamp	BC FEDERAL 039	New (Not drilled or compl)	32.82089823	-103.8091332	1.93
754		3002540894	CONOCOPHILLIPS CO	OIL	6950	Above Wolfcamp	RUBY FEDERAL 020	New (Not drilled or compl)	32.83372164	-103.8002385	1.93
755		3002538620	COG OPERATING LLC	OIL	7015	Above Wolfcamp	LEAKER CC STATE 011	Active	32.84095077	-103.7699837	1.93
756		3002500786	CARTER DRILLING	DHSO	4009	Above Wolfcamp	SIMON B 008	Plugged	32.7965514	-103.8036825	1.94
757		3002524108	CONTINENTAL OIL CO	OIL	4025	Above Wolfcamp	MCA UNIT 310	Active	32.80932273	-103.8100491	1.94
758		3002523836	CONTINENTAL OIL CO	OIL	4070	Above Wolfcamp	MCA UNIT 291	Plugged	32.81657949	-103.810288	1.94
759		3002540895	CONOCOPHILLIPS CO	OIL	6930	Above Wolfcamp	RUBY FEDERAL 021	New (Not drilled or compl)	32.8319107	-103.8026562	1.95
760		3002530362	ARROWHEAD OIL CORP	OIL	4165	Above Wolfcamp	BROWN FEDERAL 002	Active	32.79746061	-103.8047627	1.95
761		3002539695	COG OPERATING LLC	OIL	7121	Above Wolfcamp	LEAKER CC STATE 022	New (Not drilled or compl)	32.84074101	-103.7678409	1.95
762		3002540657	CONOCOPHILLIPS CO	OIL	6947	Above Wolfcamp	RUBY FEDERAL 057	New (Not drilled or compl)	32.82828665	-103.8058655	1.96
763		3002500573	CONTINENTAL OIL CO	OIL	4080	Above Wolfcamp	LEAKER CC STATE 008	Active	32.84003541	-103.7650759	1.96
764		3002500561	HUDSON WM A&HUDSON E	OIL	4202	Above Wolfcamp	LYNX FEDERAL 008	Active	32.83275236	-103.7522062	1.96
765		3002537021	MACK ENERGY CORP	OIL	6710	Above Wolfcamp	BC FEDERAL 010	Active	32.82284973	-103.8091361	1.97
766		3002540522	CONOCOPHILLIPS CO	AT-TD	6946	Above Wolfcamp	RUBY FEDERAL 011	New (Not drilled or compl)	32.82861649	-103.8058725	1.97
767		3002529272	LYNX PET CONSLT INC	OIL	4150	Above Wolfcamp	LYNX FEDERAL 006	Active	32.8391232	-103.7618364	1.97
768		3002540507	CONOCOPHILLIPS CO	OIL	6902	Above Wolfcamp	RUBY FEDERAL 010	New (Not drilled or compl)	32.83051166	-103.8048129	1.99
769		3002539112	COG OPERATING LLC	OIL	7116	Above Wolfcamp	GC FEDERAL 016	Active	32.81457495	-103.8112826	1.99
770		3002523855	CONTINENTAL OIL CO	DRY	4030	Above Wolfcamp	MCA UNIT 297	Plugged	32.80569451	-103.8100112	1.99
771		3002524214	CONTINENTAL OIL CO	OIL	4050	Above Wolfcamp	MCA UNIT 320	Active	32.81979599	-103.8106198	1.99
772		3002538841	COG OPERATING LLC	OIL	7026	Above Wolfcamp	LEAKER CC STATE 016	New (Not drilled or compl)	32.84094429	-103.7661564	1.99

Plugging Information on Queen B 036
(API #3002500751)

Budget Bureau No. 42-R355.4.
Approval expires 12-31-49.

Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 057219
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Kewanee Oil Company Address P.O. Box 2239, Tulsa, Oklahoma

Lessor or Tract Baish "B" Field Wildcat State New Mexico

Well No. 35 Sec. 28 T. 17S R. 32E Meridian N.M.P.M. County Lea

Location 554 ft. {N.} of N Line and 554 ft. {E.} of W Line of Section 28 Elevation 3935.3'
{S.} {W.} (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed W.O. Albert

Date June 3, 1942 Title Production Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling September 20, 1941 Finished drilling February 15, 1942

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2090 to 2110 No. 4, from 5420 to 5480

No. 2, from 3010 to 3070 No. 5, from 6915 to 6930

No. 3, from 3760 to 3805 No. 6, from 7605 to 7620

IMPORTANT WATER SANDS

No. 1, from ... to ... No. 3, from ... to ...

No. 2, from ... to ... No. 4, from ... to ...

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
13"	50		Cl	836	Casing		See Reverse Side		
8-5/8"	20&32	8 rd.	S&T&S	4234	Guide				
5-1/2"	17	8 rd.	S&T&S	30842	Guide				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13"	836	475	Halliburton		9 sacks aquagel
8-5/8"	4200	200	"		
5-1/2"	30745	1100	"		

PLUGS AND ADAPTERS

Cont'd on next page

Heaving plug—Material ... Length ... Depth set ...

Adapters—Material ... Size

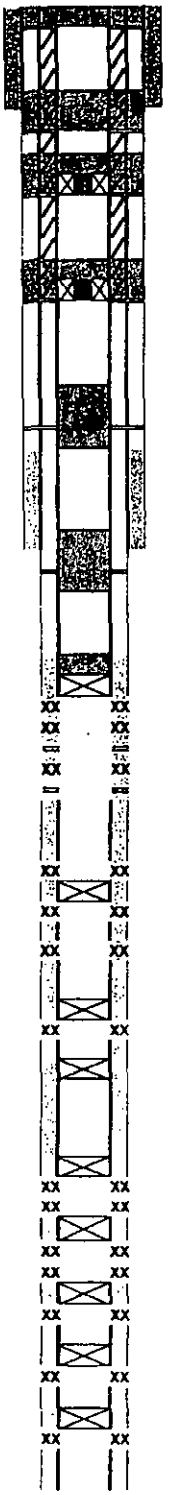
FOLD | MARK

PLUGGED WELLBORE SKETCH

ConocoPhillips Company – Permian Basin Business Unit

Date: September 26, 2004

RKB @ _____
DF @ _____
GL @ 3985.3'



30 sx C cmt sqz'd 50' - surface

12-1/4" Hole

13" 50# @ 825' w/ 175 sx, circ.

80 sx C cmt sqz'd 875 - 732' TAGGED

Top of Salt @ 1060'

65 sx C cmt sqz'd 1,060 - 960' - CICR w/ 30'
Csg Lks 90'-2699'

Base of Salt @ 1910'

70 sx C cmt sqz'd 1,910 - 1,800' - CICR w/ 30'

25 sx C cmt 3,850 - 3,586' TAGGED
unable to establish rate at 1,500 psi

11" Hole

8-5/8" @ 4198' w/ 200 sx, TOC 3391' TS

25 sx C cmt 4,316 - 4,067' TAGGED
unable to establish rate at 1,500 psi

25 sx C cmt on CIBP 5,278 - 5,024'
CIBP @ 5,278'
5335'-5353' - Sqz'd
5372'-5384' - Sqz'd
5378'-5384' 5394'-5400'
5394'-5400' Sqz'd w/75 sx
5410'-5422' 5422'-5428' - 120 shots

5460'-5478' - 72 shots - Sqz'd w/150 sx
Cmt Retainer @ +/- 5485'
5502' - 6 shots - Sqz'd w/75 sx (3/49)

5825' - 3 shots - Sqz'd w/275 sx; TOC @ 5765'

Cmt Retainer @ +/- 6548' (3/49)
6653'-6665' 6678'-6690' - 96 shots - Sqz'd w/50 sx

LaneWells Type 'D' Bridge Plug @ +/- 6900' (3/49)

Cmt Retainer @ +/- 8834'
8914'-8920' 8954'-8960'
8972'-8978' - 72 shots - Sqz'd w/50 sx
Retainer @ 8996'
9020'-9026' 9042'-9048'
9070'-9076' - 72 shots - Sqz'd w/100 sx (3/49)
Cmt Retainer @ +/- 9080'
9098'-9110' - 48 shots - Sqz'd w/75 sx (3/49)

Cmt Retainer @ +/- 9170'
9330'-9350' - 72 shots - Sqz'd w/100 sx (3/49)

Cmt Retainer @ +/- 9811'
9974-9980 - 24 shots - Sqz'd w/75 sx (2/49)

PBTD: 5485'
TD: 10747'

7-7/8" Hole
5-1/2" 17# N-80 & J-55 @ 10745'
Cmt w/1100 sx
TOC @ 5890' (T.S.)

3996' N-80 on btm
4021' J-55
2717' N-80 on top

Subarea : Maljamar
Lease & Well No. : Queen-B No. 36
Legal Description : 554' FNL & 554' FWL, NW/4 NW/4 Section 28, T-17-S, R-32-E N.M.P.M. Meridian
County : Lea State : New Mexico
Field : Baish, Wolfcamp
Date Spudded : 9/20/48 IPP:
API Number : 30-025-00751
Status: PLUGGED
Drilled as Baish "B" No. 36

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
	2/25/49	**Perf 4 JSPF 9974'-9980' - 24 shots - Sqz w/75 sx**						
	3/1/49	**Perf 9330'-9350' w/72 shots**						
9330-9350	3/2/49	Mud Acid (MA)	500		2400		0.7	
9330-9350	3/3/49	20% Low Tension Acid	1,000		2600		1.2	
	3/5/49	**Sqz pkr @ 9170'; sqz w/100 sx**						
	3/6/49	**Perf 9098-9110 - 48 shots**						
	3/7/49	**Sqz pkr @ 9080'; sqz w/75 sx**						
	3/9/49	**Perf 9070-9076 - 24 shots**						
	3/10/49	**Perf 9020-9026 (24 shots) and 9042-9048 (24 shots)**						
9020-9026	3/13/49	Mud Acid (MA)	500		2700		0.6	
	3/13/49	**Set Retainer @ 8996'; sqz w/100 sx**						
	3/14/49	**Perf 8914-8920 (24 shots) and 8954-8960 (24 shots)**						
8914-8960	3/16/49	20% Low Tension Acid	1,000		3,000			
	3/18/49	**Perf 8972-8978 (24 shots)**						
8914-8978	3/19/49	20% Low Tension Acid	500					
	3/20/49	**Bridging pkr @ 8834'; sqz w/50 sx**						
	3/22/49	**Bridging plug @ 6900'**						
		perf 6653-6665 (48 shots) & 6678-6690 (48 shots)						
6653-6690	3/22/49	20% Low Tension Acid	500		3,000		1.2	
	3/23/49	**Retrievable pkr @ 6548'; sqz w/50 sx; perf 5825' sqz w/275 sx**						
	3/27/49	**Perf 5335-5353 (72 shots), 5372-5384 (48 shots) and 5394-5400 (24 shots)**						
	3/29/49	**Sqz 5335-5400 w/75 sx**						
	3/31/49	**5502' shoot 6 holes and sqz w/75 sx**						
	4/2/49	**Perf 5460-5478 (72 shots)**						
	4/4/49	**Sqz 5460-5478 w/150 sx**						
	4/9/49	**Perf 540-5422 (48 shots)**						
5410-5422	4/9/49	20% Low Tension Acid	500	Unable to inject acid				
	4/10/49	**Perf 5378-5384 (24 shots, 5394-5400 (24 shots) and 5422-5428 (24 shots)**						
5378-5428	4/10/49	20% Low Tension Acid	500		2700			
	4/11/49	**Mix 58 sacks Aquagel, pmp hole full of mud**						
	4/12/49	Cap well - Temporarily Abandoned						
	4/28/61	Change name to Queen-B No. 36						
	9/19/81	Run csg insp log - numerous csg lks 90'-2699'						
	10/81	Recommended to convert to water disposal in Lower Wolfcamp (9965'-10040')						
	3/31/82	Administrative Order # SWD-241						
	3/13/92	Run Temp Survey 4200'-2000', CPNL 2700'-4200' - 3 passes						
	2/23/93	Sundry Notice - Being used as CO2 observation well to evaluate CO2 advance in Stage 1 Area						
	7/6/04	**BLM advised that well is to be put into operations or submit P&A plans for approval by 8/29/04.**						
	8/9/04	Prepare Application for Abandonment of Well						

TRIPLE N SERVICES INC
MIDLAND, TX

ACTUAL PLUGGING PROCEDURE

1) set CIBP @ 5,278'
2) 25 sx C cmt on CIBP 5,278 - 5,024'
3) 25 sx C cmt 4,316 - 4,067' TAGGED
4) 25 sx C cmt 3,850 - 3,586' TAGGED
5) 70 sx C cmt sqz'd 1,910 - 1,800' - CICR w/ 30'
6) 65 sx C cmt sqz'd 1,060 - 960' - CICR w/ 30'
7) 80 sx C cmt sqz'd 875 - 732' TAGGED
8) 30 sx C cmt sqz'd 50' - surface

Formation Tops:

San Andres	3800'
6th Zone	3948'
9th Zone	3975' +/-
9th M Zone	4080' +/-

New Mexico Oil Conservation Division, District I
1625 N. French Drive
Hobbs, NM 88240

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

5. Lease Serial No.
LC 057210

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
Queen B # 036

2. Name of Operator **ConocoPhillips Company ATTN: Celeste Dale**

9. API Well No.
30-025-00751

3a. Address
4001 Penbrook, Odessa, Texas 79762

3b. Phone No. *(include area code)*
432-368-1244

10. Field and Pool, or Exploratory Area
Baish, Wolfcamp

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
554 FNL & 554 FWL, Section 28, T-17-S, R-32-E, Unit Letter D

11. County or Parish, State
Lea, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☑ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☑ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

See attached plugged wellbore diagram.

08/25/04 thru 08/31/04: Notified BLM, Steve Caffey. MIRU Triple N rig #25 and plugging equipment. NU hydraulic BOP & RIH w/ gauge ring on wireline to 5,300', POOH w/ gauge ring. Notified BLM, Steve Caffey, on location. Set CIBP @ 5,278'. Circulated hole w/ mud and pumped 25 sx C cmt on CIBP 5,278 – 5,024'. Perforated casing @ 4,250', unable to establish rate at 1,500 psi. Pumped 25 sx C cmt 4,316 – 4,062'. Notified BLM, Steve Caffey, on location. Tagged cmt @ 4,067'. Perforated casing @ 3,800', pressured-up to 1,500 psi, no rate. Pumped 25 sx C cmt 3,850 – 3,596'. Notified BLM, Steve Caffey, on location. Tagged cmt @ 3,586'. Perforated casing @ 1,910', established rate of ½ BPM @ 1,500 psi. Set CICR @ 1,800' and squeezed 70 sx C cmt 1,910 – 1,800', dumped 30' cmt on retainer. Perforated casing @ 1,060', set retainer @ 960', squeezed 65 sx C cmt 1,060 – 960', dumped 30' on top of retainer 960 - 930'. Perforated casing @ 875', squeezed 80 sx C cmt 875 – 775'. Tagged cmt @ 732'. Perforated casing @ 50', squeezed 30 sx C cmt 50' to surface. RDMO.

09/17/04 Cut off wellhead & anchors, installed dryhole marker, leveled cellar.

Approved as to plugging of the well bore. Liability under bond is retained until surface restoration is completed.

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
James F. Newman, P.E. Title **Engineer, Triple N Services, Inc. 432-687-1994**

Signature Date **09/26/2004**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (ORIG. SGD.) DAVID R. GLASS Title Date SEP 28 2004

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GWW

APPENDIX C

Land information on Tracts within one-half Mile of Proposed Maljamar AGI #2

Table of Contents

TABLE C-1
SURFACE AND MINERAL OWNERS

FRONTIER FIELD SERVICES MALJAMAR AGI #2
SURFACE AND MINERAL OWNERS WITHIN ½ MILE OF PROPOSED AGI #2

SURFACE OWNERS

Frontier Field Services, LLC
1900 Dalrock Road
Rowlett, TX 75088

Mid-American Pipeline Company, LLC
P.O. Box 4018
Houston, TX 77210

United States of America
Bureau of Land Management
620 E. Greene St.
Carlsbad, NM 88220

MINERAL OWNERS

United States of America
Bureau of Land Management
620 E. Greene St.
Carlsbad, NM 88220

TABLE C-2
OPERATORS

FRONTIER FIELD SERVICES MALJAMAR AGI #2
OPERATORS WITHIN ½ MILE OF AGI #2

Cimarex Energy Company
600 North Marienfield Street #600
Midland, TX 79701

ConocoPhillips Co.
P.O. Box 7500
Bartlesville, OK 74005

COG Oil & Gas LP
550 W. Texas Ave. #1300
Midland, TX 79701

COG Operating, LLC
One Concho Center
600 W. Illinois Ave.
Midland, TX 79701

Frontier Field Services, LLC
1900 Dalrock Rd.
Rowlett, TX 75088

Mack Energy Corporation
P.O. Box 960
11352 Lovington Hwy
Artesia, NM 88210

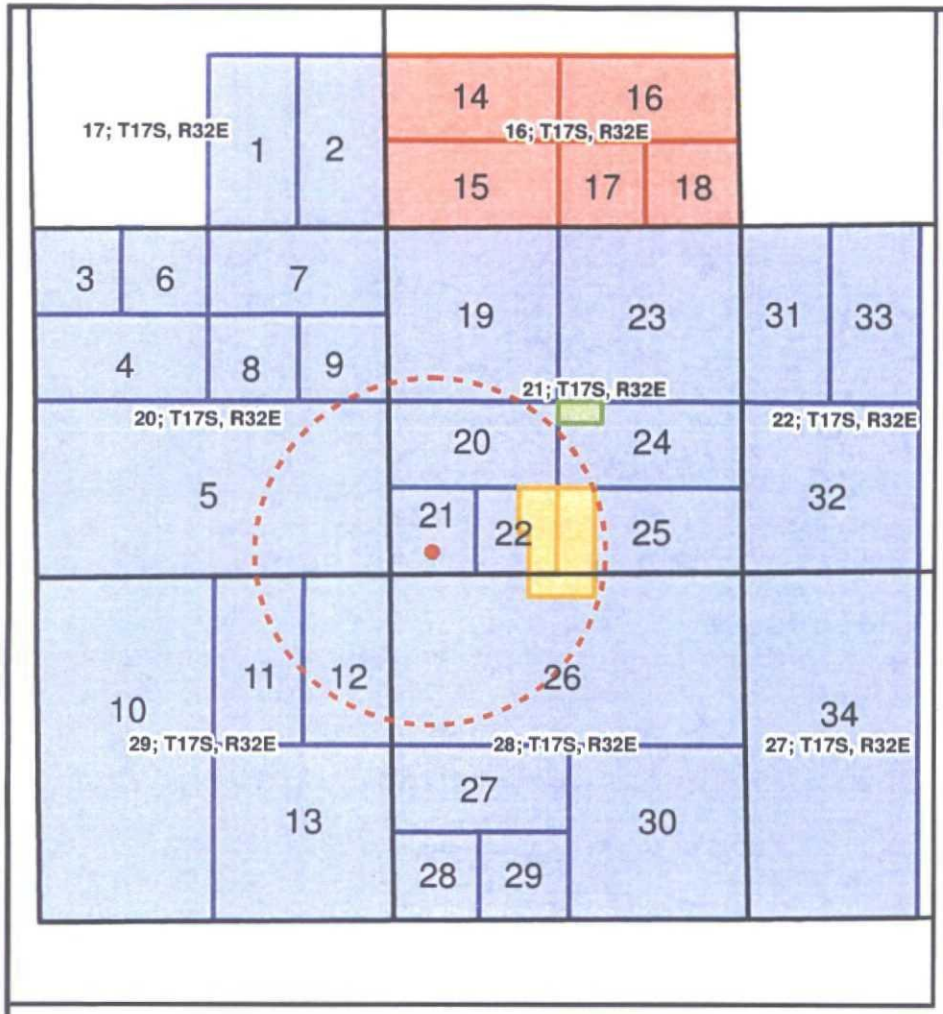


Figure C-1a: Surface Ownership by Tract

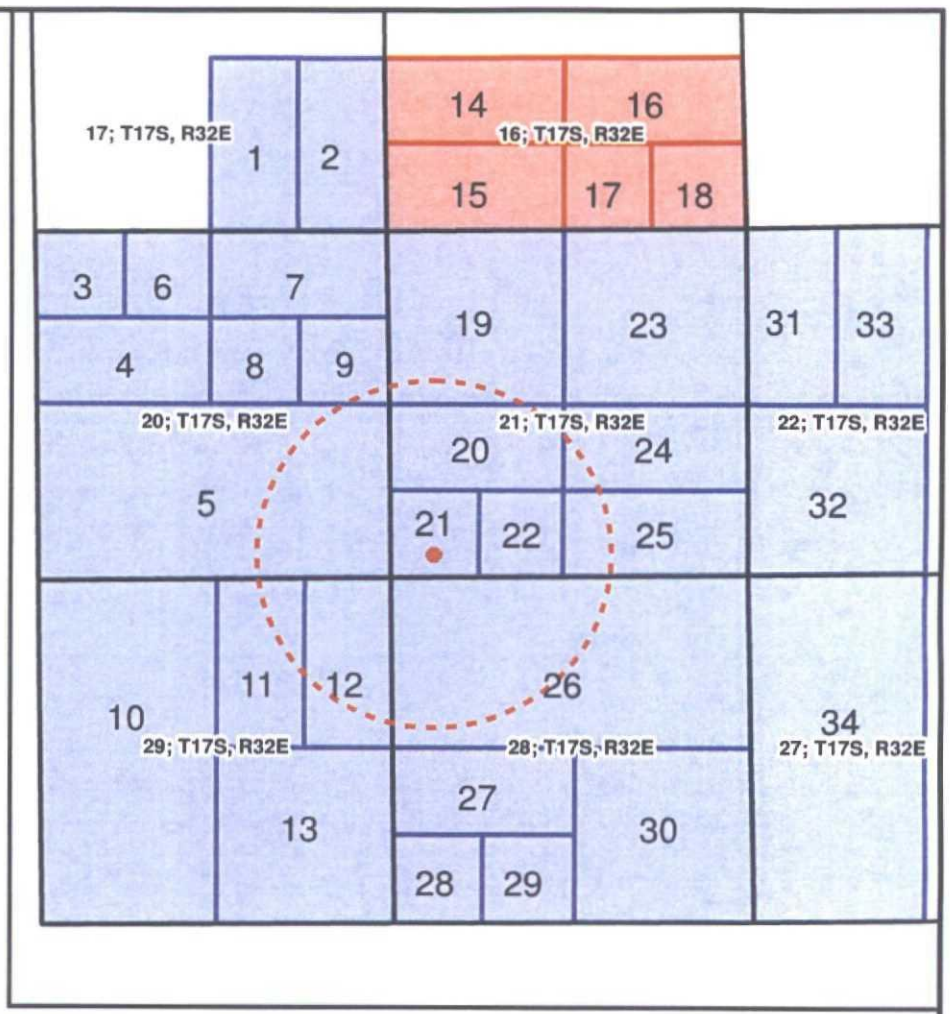


Figure C-1b: Mineral Ownership by Tract

Legend

- 0.5 Mile Radius
- AGI Bottom Location
- Bureau of Land Management
- Frontier Field Services, LLC
- Mid-American Pipeline Company, LLC
- State of New Mexico

0 0.25 0.5 0.75 1 Miles

N

GEOLEX INCORPORATED

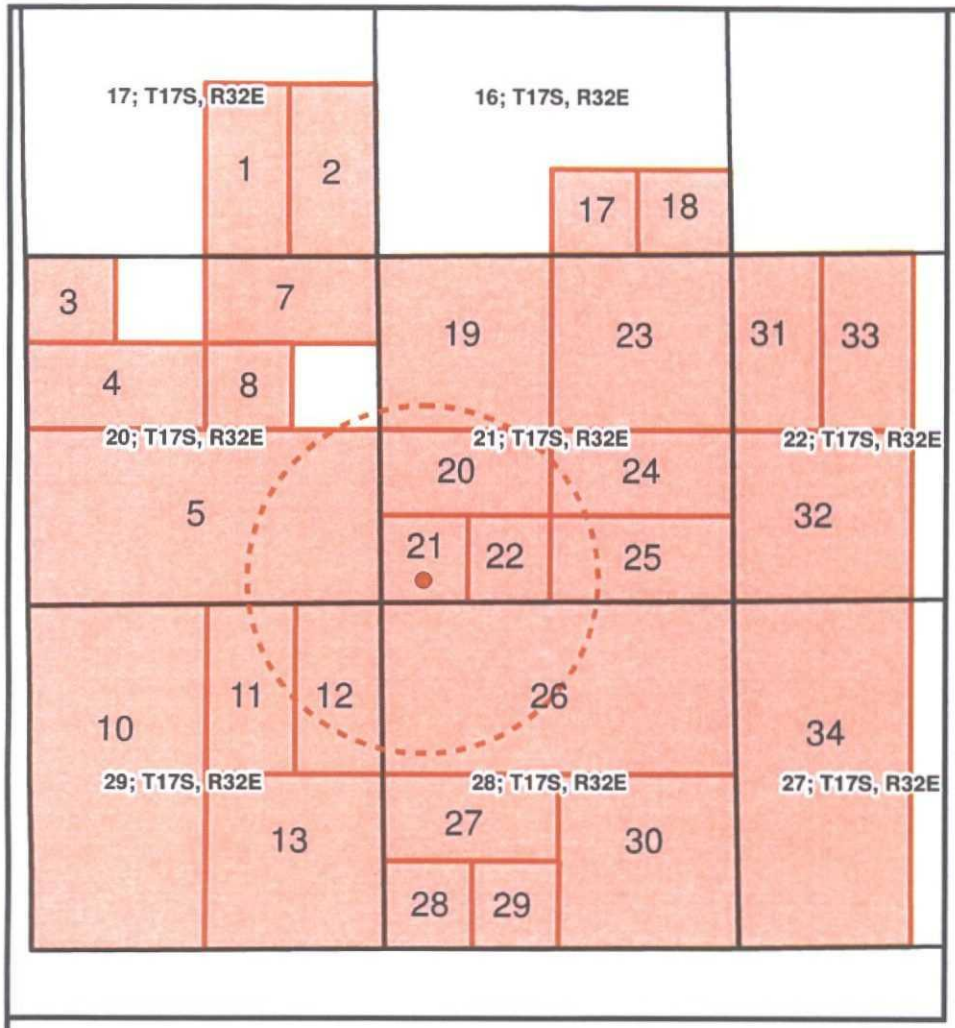


Figure C-2a: Operators by Tract

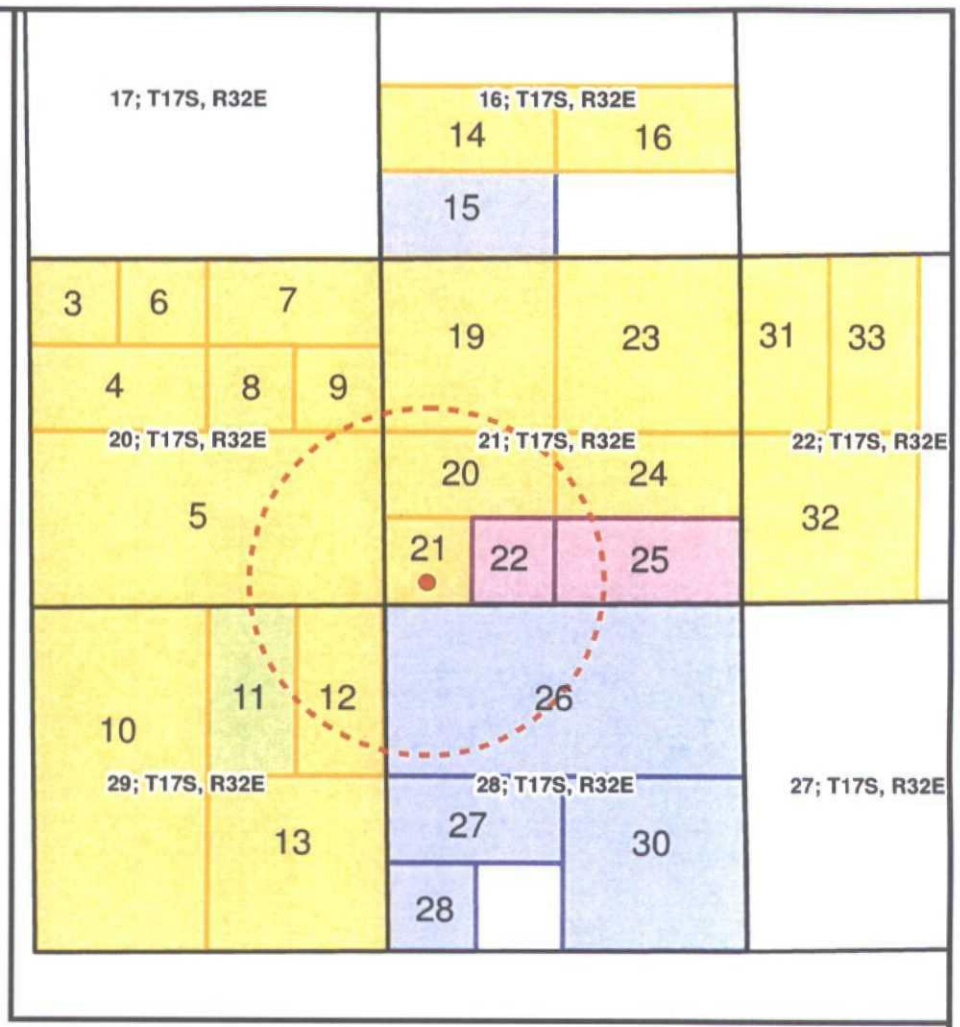


Figure C-2b: Operators by Tract

Legend

- 0.5 Mile Radius
- AGI Bottom Location
- Cimarex Energy Company
- ConocoPhillips Co.
- COG Oil & Gas LP
- Frontier Field Services & COG Oil & Gas LP
- Mack Energy Corporation

0 0.25 0.5 0.75 1 Miles

N

GEOLEX INCORPORATED

Land Status Reports

(Basis for Tables and Figures)

LAND STATUS REPORT OF SURFACE OWNERS
(BASIS FOR TABLES AND FIGURES)

Land	T.	R	S	Legal	Tract #	Acres	Surface Owner	Address	Grazing Lease / Parcel #	Business / Residence	BLM ✓	Assessor ✓	SLO ✓	Comments
State	17S	32E	16	S2	14, 15, 16, 17, 18	320	Ladoyce Caswell	1702 Gillhan Dr. Brownfield, TX 79316	GR1834				✓	
BLM	17S	32E	17	All	1,2	640	Caswell Ranches	1702 Gillham Dr., Brownfield, TX 79316	76006 "Pump Jack South"		✓			
BLM	17S	32E	20	All	3, 4, 5, 6, 7, 8, 9	640	Caswell Ranches	1702 Gillham Dr., Brownfield, TX 79316	76006 "Pump Jack South"		✓			
Fee	17S	32E	21	CAB# 410-014 5.0 AC LOC N2NW4NW4SE4 CWIP, PIPELINES	24	5	Mid-American Pipeline Company, LLC	P.O. Box 4018, Houston, TX 77210	4000900210002 (90021)	P.O. Box 4018, Houston, TX 77210 (713-880-6500)		✓		
BLM	17S	32E	21	All	19, 20, 21, 22, 23, 24, 25	640	Caswell Ranches	1702 Gillham Dr., Brownfield, TX 79316	76006 "Pump Jack South"		✓			***Grazing leases lists "All 640", however this contradicts assessor
BLM	17S	32E	22	All	31, 32, 33	640	Caswell Ranches	1702 Gillham Dr., Brownfield, TX 79316	76006 "Pump Jack South"		✓			
BLM	17S	32E	27	All s/a/e portion of land starting and NE corner moving SWerly to middle point of south section line	34	430	Caswell Ranches	1702 Gillham Dr., Brownfield, TX 79316	76006 "Pump Jack South"		✓			
BLM	17S	32E	28	All s/a/e portion of fee lands	26, 27, 28, 29, 30	605	Caswell Ranches	1702 Gillham Dr., Brownfield, TX 79316	76006 "Pump Jack South"		✓			
BLM	17S	32E	29	All	10, 11, 12, 13	640	Caswell Ranches	1702 Gillham Dr., Brownfield, TX 79316	76006 "Pump Jack South"		✓			***BLM lists 35 Acres of Fee lands ; this may contradict assesor acreage
Fee	17S	32E	21, 28	19.08 AC LOC SEC 21 & SEC 28 TR BEG S89D51'42"W 669.26' & S00D39'24"E 329.79' FROM THE QUARTER COMMON TO SEC 21 & 28, TH N00D39'24"W 986.99', N89D45'42"W 165', N00D10'14"E 658.70', S89D40'12"E 1155.10', S00D79'02"E 530.51', N57D20'W 125', S40D00'W 218', N85D48'W 649', S00D54'W 748', N89D00'E 82.50', S03D00'E 144', S53D57'02"E 202.18', S03D00'W 53', N89D22'14"W 330' TO BEG 5/19/03-REDESCRIBED PRT TO #202106, FRONTIER FIELD SERVICES B-1226 P-75	22, 25, 26	19.08	Frontier Field Service, LLC	1900 Dalrock Rd., Rowlett, TX 75088	4000339910001(205519)	1900 Dalrock Rd., Rowlett, TX 75088 (AKA Energy Corporate Headquarters # 970-764-6650)		✓		***BLM Error; Section 29 omitted on grazing lease
Fee	17S	32E	21, 28	20.97 AC LOC NE4 & NW4 TR BEG S89D31'42"W 585.84' & S00D54'W 20.77' FROM THE COMMON CORNER SEC 21 & SEC 28, TH N00D54'E 748', S85D48'E 649', N40D00'E 218', S57D20'E 125', S00D79'02"E 1120', N89D22'74"W 659.93', N03D00'E 53', N53D57'02"W 202.18', N03D00'W 144', S88D00'W 82.50' TO BEG 5/19/03-CONOCOPHILLIPS COMPANY PRT #33991	22, 25, 26	20.97	Frontier Field Service, LLC	1900 Dalrock Rd., Rowlett, TX 75088	4000202106001(205519)	1900 Dalrock Rd., Rowlett, TX 75088 (AKA Energy Corporate Headquarters # 970-764-6650)		✓		

LAND STATUS REPORT OF WORKING INTEREST OWNERS
(BASIS FOR TABLES AND FIGURES)

Land	T	R	S	Legal	Tract #	Acres	Depths	Working Interest Owner	Address	%	Mineral Lease	Un-Leased	BLM ✓	Lea County	State ✓	OCD ✓
State	17S	32E	16	S2SW	15	80	All	Cimarex Energy Company	600 North Marienfeld Street, Suite 600, Midland, TX 79701	100.00%	B-155-5	N/A		✓	✓	✓
State	17S	32E	16	N2SE	16	80	All	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701	100.00%	B-2366-17	N/A		✓	✓	✓
State	17S	32E	16	N2SW	14	80	All	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701	100.00%	V-3555-2	N/A		✓	✓	✓
State	17S	32E	16	SWSE	17	40	All	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	B-2366-111	N/A		✓	✓	✓
State	17S	32E	16	SESE	18	40	All	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	B-4062-3	N/A		✓	✓	✓
BLM	17S	32E	17	W2SE	1	80	All Depths	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029405-B	N/A	✓	✓		✓
BLM	17S	32E	17	E2SE	2	80	Surface to the base of the San Andres formation	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 060329	N/A	✓	✓		✓
BLM	17S	32E	17	E2SE	2	80	Below the base of the San Andres Formation	Kewanee Industries, Inc.	100 W. 10th Street, Wilmington, DE 19801	100.00%	NMLC 060329	N/A	✓	✓		✓
BLM	17S	32E	20	SENE	9	40	Surface to the base of the Grayburg/San Andres formation	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029405-A	N/A	✓	✓		✓
BLM	17S	32E	20	SENE	9	40	Below the base of San Andres formation to the base of the Paddock formation	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	100.00%	NMLC 029405-A	N/A	✓	✓		✓
BLM	17S	32E	20	SENE	9	40	Below the base of the Paddock Formation	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029405-A	N/A	✓	✓		✓
BLM	17S	32E	20	NENW	6	40	Surface to the base of the Grayburn/San Andres	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029405-A	N/A	✓	✓		✓
BLM	17S	32E	20	NENW	6	40	Base of the Grayburg/San Andres Formation to the Paddock formation	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	75.00%	NMLC 029405-A	N/A	✓	✓		✓
BLM	17S	32E	20	NENW	6	40	Base of the Grayburg/San Andres Formation to the Paddock formation	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	25.00%	NMLC 029405-A	N/A	✓	✓		✓
BLM	17S	32E	20	NENW	6	40	Below the base of the Paddock Formation	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029405-A	N/A	✓	✓		✓
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8,	240	All Depths	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029405-A	N/A	✓	✓		✓
BLM	17S	32E	20	S2	5	320	All Depths	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029405-B	N/A	✓	✓		✓
BLM	17S	32E	21	SESW	22	40	Surface to the base of the San Andres formation	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029509-A	N/A	✓	✓		✓
BLM	17S	32E	21	SESW	22	40	Base of the Grayburg/San Andres Formation to the Paddock formation	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	100.00%	NMLC 029509-A	N/A	✓	✓		✓
BLM	17S	32E	21	SESW	22	40	Below the base of the Paddock Formation	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029509-A	N/A	✓	✓		✓
BLM	17S	32E	21	NE	23	160	Surface to the base of the Wolfcamp formation	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029509-A	N/A	✓	✓		✓
BLM	17S	32E	21	NE	23	160	Below the base of the Wolfcamp formation to 15,126'	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	100.00%	NMLC 029509-A	N/A	✓	✓		✓

LAND STATUS REPORT OF WORKING INTEREST OWNERS
(BASIS FOR TABLES AND FIGURES)

Land	T	R	S	Legal	Tract #	Acres	Depths	Working Interest Owner	Address	%	Mineral Lease	Un-Leased	BLM ✓	Lea County	State ✓	OCD ✓
BLM	17S	32E	21	NE	23	160	Below 15,126'	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029509-A	N/A	✓	✓		✓
BLM	17S	32E	21	N2SE	24	80	Surface to the base of the Wolfcamp formation	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029509-A	N/A	✓	✓		✓
BLM	17S	32E	21	N2SE	24	80	Below the base of the Wolfcamp formation to 15,126'	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	25.00%	NMLC 029509-A	N/A	✓	✓		✓
BLM	17S	32E	21	N2SE	24	80	Below the base of the Wolfcamp formation to 15,126'	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	75.00%	NMLC 029509-A	N/A	✓	✓		✓
BLM	17S	32E	21	N2SE	24	80	Below 15,126'	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029509-A	N/A	✓	✓		✓
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	All Depths	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029509-A	N/A	✓	✓		✓
BLM	17S	32E	21	S2SE	25	80	Surface to the top of the Wolfcamp formation	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	25.00%	NMLC 029509-B	N/A	✓	✓		✓
BLM	17S	32E	21	S2SE	25	80	Surface to the top of the Wolfcamp formation	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	75.00%	NMLC 029509-B	N/A	✓	✓		✓
BLM	17S	32E	21	S2SE	25	80	Below the top of the Wolcamp formation	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029509-B	N/A	✓	✓		✓
BLM	17S	32E	22	W2NW	31	80	Surface to the base of the Wolfcamp formation	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029509-A	N/A	✓	✓		✓
BLM	17S	32E	22	W2NW	31	80	Below the base of the Wolfcamp formation	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	100.00%	NMLC 029509-A	N/A	✓	✓		✓
BLM	17S	32E	22	SW, E2NW	32, 33	240	Surface to the top of the Wolfcamp formation	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 029509-B	N/A	✓	✓		✓
BLM	17S	32E	22	SW, E2NW	32, 33	240	Below the top of the Wolcamp formation	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	100.00%	NMLC 029509-B	N/A	✓	✓		✓
BLM	17S	32E	27	W2	34	320	Below the subsea depth as datum of minus 700'	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 057210	N/A	✓	✓		✓
BLM	17S	32E	27	W2	34	320	Below 700'	Occidental Permian LP	5 E. Greenway Plaza #110 Houston, TX 77046	100.00%	NMLC 057210	N/A	✓	✓		✓
BLM	17S	32E	28	SESW	29	40	All Depths	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 057210	N/A	✓	✓		✓
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Below the subsea depth as datum of minus 700'	Conoco Phillips Co	P.O. Box 7500, Bartlesville, OK 74005	100.00%	NMLC 057210	N/A	✓	✓		✓
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Below 700'	Occidental Permian LP	5 E. Greenway Plaza #110 Houston, TX 77046	100.00%	NMLC 057210	N/A	✓	✓		✓
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	All Depths	Oxy USA WTP LP	6 Desta Dr., # 6000 Midland, TX 79705	100.00%	NMLC 029410-A	N/A	✓	✓		✓
BLM	17S	32E	29	W2NE	11	80	Surface to 700', limited in depth to the Grayburg San Andres Formation, from the top thereof to a depth of -700' subsea (base of the San Adres formation)	Emily Flint Boyd	101 S. 4th St. Artesia, NM 88210	12.50%	NMLC 060199-A	N/A	✓	✓		✓
BLM	17S	32E	29	W2NE	11	80	Surface to 700', limited in depth to the Grayburg San Andres Formation, from the top thereof to a depth of -700' subsea (base of the San Adres formation)	Rosemary Flint-Wayte	1422 Glenbrook Terrace, Oklahoma City, OK 73116	12.50%	NMLC 060199-A	N/A	✓	✓		✓
BLM	17S	32E	29	W2NE	11	80	Surface to 700', limited in depth to the Grayburg San Andres Formation, from the top thereof to a depth of -700' subsea (base of the San Adres formation)	Mary Katherine Fowles Trust	415 Crocker Rd., Sacramento, CA 95825	25.00%	NMLC 060199-A	N/A	✓	✓		✓

LAND STATUS REPORT OF WORKING INTEREST OWNERS
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Land	T	R	S	Legal	Tract #	Acres	Depths	Working Interest Owner	Address	%	Mineral Lease	Un-Leased	BLM ✓	Lea County	State ✓	OCD ✓
BLM	17S	32E	29	W2NE	11	80	Surface to 700', limited in depth to the Grayburg San Andres Formation, from the top thereof to a depth of -700' subsea (base of the San Adres formation)	Shirley Runyan Rich	P.O. Box 517, Artesia, NM 88210	12.50%	NMLC 060199-A	N/A	✓	✓		✓
BLM	17S	32E	29	W2NE	11	80	Surface to 700', limited in depth to the Grayburg San Andres Formation, from the top thereof to a depth of -700' subsea (base of the San Adres formation)	Tom Woods Runyan	P.O. Box 517, Artesia, NM 88210	12.50%	NMLC 060199-A	N/A	✓	✓		✓
BLM	17S	32E	29	W2NE	11	80	Surface to 700', limited in depth to the Grayburg San Andres Formation, from the top thereof to a depth of -700' subsea (base of the San Adres formation)	Virginia Woods Shaw	111 W. Main St., Artesia, NM 88210	25.00%	NMLC 060199-A	N/A	✓	✓		✓
BLM	17S	32E	29	W2NE	11	80	Below the base of the San Andres	Jack B. Shaw and Virginia W. Shaw R/T, dated 5/21/1996	111 W. Main St., Artesia, NM 88210	25.00%	NMLC 060199-A	N/A	✓	✓		✓
BLM	17S	32E	29	W2NE	11	80	Below the base of the San Andres	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	12.50%	NMLC 060199-A	N/A	✓	✓		✓
BLM	17S	32E	29	W2NE	11	80	Below the base of the San Andres	Emily Flint Boyd	101 S. 4th St. Artesia, NM 88210	12.50%	NMLC 060199-A	N/A	✓	✓		✓
BLM	17S	32E	29	W2NE	11	80	Below the base of the San Andres	Rosemary Flint-Wayte	1422 Glenbrook Terrace, Oklahoma City, OK 73116	12.50%	NMLC 060199-A	N/A	✓	✓		✓
BLM	17S	32E	29	W2NE	11	80	Below the base of the San Andres	Mary Katherine Fowles Trust	415 Crocker Rd., Sacramento, CA 95825	25.00%	NMLC 060199-A	N/A	✓	✓		✓
BLM	17S	32E	29	W2NE	11	80	Below the base of the San Andres	Shirley Runyan Rich	P.O. Box 517, Artesia, NM 88210	12.50%	NMLC 060199-A	N/A	✓	✓		✓

LAND STATUS REPORT OF OPERATORS
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Land	T	R	S	Legal	Tract #	Acres	Operator	Address	BLM ✓	Lea County	State ✓	OCD ✓	API #	Well Name	Unit Letter	Proposed/Total Depth
State	17S	32E	16	S2SW	15	80	Cimarex Energy Company	600 North Marienfeld Stree, Suite 600, Midland, TX 79701		✓	✓	✓	30-025-39816	JG STATE #001	N	7100
State	17S	32E	16	S2SW	15	80	Cimarex Energy Company	600 North Marienfeld Stree, Suite 600, Midland, TX 79701		✓	✓	✓	30-025-39797	JG STATE #002	N	7100
State	17S	32E	16	S2SW	15	80	Cimarex Energy Company	600 North Marienfeld Stree, Suite 600, Midland, TX 79701		✓	✓	✓	30-025-39817	JG STATE #003	M	7100
State	17S	32E	16	S2SW	15	80	Cimarex Energy Company	600 North Marienfeld Stree, Suite 600, Midland, TX 79701		✓	✓	✓	30-025-39798	JG STATE #004	M	7100
State	17S	32E	16	S2SW	15	80	Cimarex Energy Company	600 North Marienfeld Stree, Suite 600, Midland, TX 79701		✓	✓	✓	30-025-40025	JG STATE #013	N	7000
State	17S	32E	16	S2SW	15	80	Cimarex Energy Company	600 North Marienfeld Stree, Suite 600, Midland, TX 79701		✓	✓	✓	30-025-40026	JG STATE #014	N	7000
State	17S	32E	16	S2SW	15	80	Cimarex Energy Company	600 North Marienfeld Stree, Suite 600, Midland, TX 79701		✓	✓	✓	30-025-39920	JG STATE #015	M	7000
State	17S	32E	16	S2SW	15	80	Cimarex Energy Company	600 North Marienfeld Stree, Suite 600, Midland, TX 79701		✓	✓	✓	30-025-40031	JG STATE #016	M	7000
State	17S	32E	16	N2SE	16	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-00569	LEAKER CC STATE #003	J	4300
State	17S	32E	16	N2SE	16	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-00571	LEAKER CC STATE #005	I	4300
State	17S	32E	16	N2SE	16	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-30679	LEAKER CC STATE #009	J	6060
State	17S	32E	16	N2SE	16	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-38619	LEAKER CC STATE #010	I	7000
State	17S	32E	16	N2SE	16	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-38733	LEAKER CC STATE #012	J	7000
State	17S	32E	16	N2SE	16	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-38735	LEAKER CC STATE #014	I	7000
State	17S	32E	16	N2SE	16	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-38838	LEAKER CC STATE #015	J	7000
State	17S	32E	16	N2SE	16	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-39389	LEAKER CC STATE #029	I	7000
State	17S	32E	16	N2SE	16	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-39760	LEAKER CC STATE #030	I	7100
State	17S	32E	16	N2SE	16	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-39761	LEAKER CC STATE #031	J	7100
State	17S	32E	16	N2SW	14	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-00576	EDWARD STATE #002	K	4350
State	17S	32E	16	N2SW	14	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-00577	EDWARD STATE #003	L	4168
State	17S	32E	16	N2SW	14	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-38730	EDWARD STATE #004	K	7000
State	17S	32E	16	N2SW	14	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-38621	EDWARD STATE #005	L	7000

LAND STATUS REPORT OF OPERATORS
(BASIS FOR TABLES AND FIGURES)

Land	T	R	S	Legal	Tract #	Acres	Operator	Address	BLM ✓	Lea County	State ✓	OCD ✓	API #	Well Name	Unit Letter	Proposed/Total Depth
State	17S	32E	16	N2SW	14	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-38834	EDWARD STATE #006	K	7000
State	17S	32E	16	N2SW	14	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-39019	EDWARD STATE #007	L	7000
State	17S	32E	16	N2SW	14	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-39682	EDWARD STATE #008	K	7000
State	17S	32E	16	N2SW	14	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-39835	EDWARD STATE #009	L	7000
State	17S	32E	16	N2SW	14	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-39836	EDWARD STATE #010	K	7000
State	17S	32E	16	N2SW	14	80	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701		✓	✓	✓	30-025-39683	EDWARD STATE #011	L	7000
State	17S	32E	16	SWSE	17	40	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005		✓	✓	✓	30-025-39820	TOURMALINE STATE #001	O	7200
State	17S	32E	16	SWSE	17	40	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005		✓	✓	✓	30-025-39821	TOURMALINE STATE #002	O	7200
State	17S	32E	16	SWSE	17	40	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005		✓	✓	✓	30-025-40139	TOURMALINE STATE #003	O	7200
State	17S	32E	16	SWSE	17	40	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005		✓	✓	✓	30-025-40140	TOURMALINE STATE #004	O	7200
State	17S	32E	16	SESE	18	40	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005		✓	✓	✓	30-025-39849	AQUAMARINE STATE #001	P	7200
State	17S	32E	16	SESE	18	40	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005		✓	✓	✓	30-025-39850	AQUAMARINE STATE #002	P	7200
State	17S	32E	16	SESE	18	40	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005		✓	✓	✓	30-025-40149	AQUAMARINE STATE #003	P	7200
State	17S	32E	16	SESE	18	40	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005		✓	✓	✓	30-025-40138	AQUAMARINE STATE #004	P	7200
BLM	17S	32E	17	W2SE	1	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-33854	ELVIS #002	O	14000
BLM	17S	32E	17	W2SE	1	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-41231	EMERALD FEDERAL #009	O	7044
BLM	17S	32E	17	W2SE	1	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00590	MITCHELL B #010	O	4160
BLM	17S	32E	17	W2SE	1	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-40393	RUBY FEDERAL #001	O	6906
BLM	17S	32E	17	W2SE	1	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-40394	RUBY FEDERAL #002	O	6969
BLM	17S	32E	17	W2SE	1	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-41009	RUBY FEDERAL #013	J	6990
BLM	17S	32E	17	W2SE	1	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-41010	RUBY FEDERAL #014	J	6977
BLM	17S	32E	17	W2SE	1	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-41011	RUBY FEDERAL #015	J	6957
BLM	17S	32E	17	W2SE	1	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-40505	RUBY FEDERAL #049	O	6884
BLM	17S	32E	17	E2SE	2	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-40656	EMERALD FEDERAL #001	P	7290
BLM	17S	32E	17	E2SE	2	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-40520	EMERALD FEDERAL #002	P	7277
BLM	17S	32E	17	E2SE	2	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-40221	EMERALD FEDERAL #003	I	6995

LAND STATUS REPORT OF OPERATORS
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Land	T	R	S	Legal	Tract #	Acres	Operator	Address	BLM ✓	Lea County	State ✓	OCD ✓	API #	Well Name	Unit Letter	Proposed/Total Depth
BLM	17S	32E	17	E2SE	2	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-40506	EMERALD FEDERAL #010	P	6938
BLM	17S	32E	17	E2SE	2	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-40358	EMERALD FEDERAL #012	I	7002
BLM	17S	32E	17	E2SE	2	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00598	MCA UNIT #008	I	4240
BLM	17S	32E	20	SENE	9	40	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-34932	BC FEDERAL #003	H	6000
BLM	17S	32E	20	SENE	9	40	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38714	BC FEDERAL #033	H	7200
BLM	17S	32E	20	SENE	9	40	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39470	BC FEDERAL #059	H	7100
BLM	17S	32E	20	SENE	9	40	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39857	BC FEDERAL #063	H	7000
BLM	17S	32E	20	NENW	6	40	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-34733	BC FEDERAL #001	C	6000
BLM	17S	32E	20	NENW	6	40	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39544	BC FEDERAL #055	C	7000
BLM	17S	32E	20	NENW	6	40	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39497	BC FEDERAL #057	C	7000
BLM	17S	32E	20	NENW	6	40	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39856	BC FEDERAL #058	C	7000
BLM	17S	32E	20	NENW	6	40	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-40098	BC FEDERAL #062	C	7149
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-33584	ELVIS #001	F	13900
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-33949	ELVIS #004	F	12100
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23715	MCA UNIT #271	A	4160
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-08051	MCA UNIT #331	D	5370
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-34713	BC FEDERAL #002	B	6000
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-36194	BC FEDERAL #008	D	7000
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38366	BC FEDERAL #014	F	7000
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38539	BC FEDERAL #015	B	7000
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38744	BC FEDERAL #025	B	7250
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38745	BC FEDERAL #026	E	7250
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38727	BC FEDERAL #027	A	7300
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38746	BC FEDERAL #028	A	7300
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38814	BC FEDERAL #029	E	7200
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-40236	BC FEDERAL #030	G	7000
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38713	BC FEDERAL #031	G	7200
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38829	BC FEDERAL #032	G	7200

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Land	T	R	S	Legal	Tract #	Acres	Operator	Address	BLM ✓	Lea County	State ✓	OCD ✓	API #	Well Name	Unit Letter	Proposed/Total Depth
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39414	BC FEDERAL #040	D	7000
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39415	BC FEDERAL #041	B	7000
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39416	BC FEDERAL #042	E	7000
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39417	BC FEDERAL #043	G	7000
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39612	BC FEDERAL #053	A	7134
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39625	BC FEDERAL #054	D	7000
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-40097	BC FEDERAL #060	D	7122
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39950	BC FEDERAL #061	G	7000
BLM	17S	32E	20	N2NE, SWNE, NWNW, S2NW	3, 4, 7, 8	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39913	BC FEDERAL #065	A	7000
BLM	17S	32E	20	S2	5	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-08062	MCA UNIT #066	I	4072
BLM	17S	32E	20	S2	5	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-08063	MCA UNIT #094	P	4090
BLM	17S	32E	20	S2	5	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-08065	MCA UNIT #095	O	4090
BLM	17S	32E	20	S2	5	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-12755	MCA UNIT #096	N	4048
BLM	17S	32E	20	S2	5	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23686	MCA UNIT #265	L	4100
BLM	17S	32E	20	S2	5	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23687	MCA UNIT #266	K	4110
BLM	17S	32E	20	S2	5	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23706	MCA UNIT #269	P	4130
BLM	17S	32E	20	S2	5	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23807	MCA UNIT #287	I	4120
BLM	17S	32E	20	S2	5	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-29956	MCA UNIT #372	P	4300
BLM	17S	32E	20	S2	5	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-29967	MCA UNIT #374	L	4200
BLM	17S	32E	20	S2	5	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-08048	MITCHELL B #015	L	5442
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39261	GC FEDERAL #020	K	7000
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39267	GC FEDERAL #021	J	7000
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39268	GC FEDERAL #022	I	7000
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39269	GC FEDERAL #023	K	7000
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39262	GC FEDERAL #024	I	7000
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39263	GC FEDERAL #025	I	7000
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39282	GC FEDERAL #026	M	7100
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39264	GC FEDERAL #027	N	7100

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Land	T	R	S	Legal	Tract #	Acres	Operator	Address	BLM ✓	Lea County	State ✓	OCD ✓	API #	Well Name	Unit Letter	Proposed/Total Depth
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39323	GC FEDERAL #028	O	7100
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39265	GC FEDERAL #029	O	7100
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39272	GC FEDERAL #030	M	7100
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39266	GC FEDERAL #031	N	7100
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39270	GC FEDERAL #032	O	7100
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-40150	GC FEDERAL #036	J	7100
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39697	GC FEDERAL #037	J	7100
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39471	GC FEDERAL #038	I	7100
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39515	GC FEDERAL #039	I	7000
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39626	GC FEDERAL #040	M	7100
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39472	GC FEDERAL #041	M	7100
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39928	GC FEDERAL #042	N	6900
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39858	GC FEDERAL #043	N	7100
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-40237	GC FEDERAL #044	O	7100
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39473	GC FEDERAL #045	O	7100
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-40143	GC FEDERAL #046	P	7119
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-40165	GC FEDERAL #047	I	7135
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39475	GC FEDERAL #062	K	7100
BLM	17S	32E	20	S2	5	320	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39476	GC FEDERAL #063	K	7000
BLM	17S	32E	21	SESW	22	40	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00609	MCA UNIT #092	N	10475
BLM	17S	32E	21	SESW	22	40	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-20522	MCA UNIT #234	N	4100
BLM	17S	32E	21	SESW	22	40	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23433	MCA UNIT #251	N	4250
BLM	17S	32E	21	SESW	22	40	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-34973	MC FEDERAL #005	N	7200
BLM	17S	32E	21	SESW	22	40	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39108	MC FEDERAL #037	N	7000
BLM	17S	32E	21	SESW	22	40	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39629	MC FEDERAL #065	N	7000
BLM	17S	32E	21	SESW	22	40	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-40595	MC FEDERAL #068	N	7200
BLM	17S	32E	21	SESW	22	40	Frontier Field Services, LLC	1900 Dulrock Rd., Rowlett, TX 75088	✓	✓		✓	30-025-37268	FRONTIER CATHODIC PROTECTION #00	N	400
BLM	17S	32E	21	NE	23	160	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00618	BAISH A #003	H	2386

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Land	T	R	S	Legal	Tract #	Acres	Operator	Address	BLM ✓	Lea County	State ✓	OCD ✓	API #	Well Name	Unit Letter	Proposed/Total Depth
BLM	17S	32E	21	NE	23	160	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-20568	BAISH A #012	A	13717
BLM	17S	32E	21	NE	23	160	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00603	MCA UNIT #043	G	4119
BLM	17S	32E	21	NE	23	160	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-22661	MCA UNIT #245	A	4130
BLM	17S	32E	21	NE	23	160	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-29854	MCA UNIT #368	G	4300
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-35252	MC FEDERAL #006	H	15500
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38551	MC FEDERAL #013	H	7100
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38738	MC FEDERAL #014	B	7400
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38776	MC FEDERAL #017	G	7400
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38728	MC FEDERAL #018	A	7350
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38715	MC FEDERAL #022	B	7400
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38716	MC FEDERAL #023	A	7400
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38833	MC FEDERAL #026	G	7000
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38996	MC FEDERAL #027	H	7000
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39293	MC FEDERAL #039	G	7000
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39424	MC FEDERAL #041	B	7050
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39619	MC FEDERAL #045	A	7000
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39620	MC FEDERAL #047	B	7100
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39499	MC FEDERAL #049	A	7000
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39874	MC FEDERAL #051	H	7212
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39426	MC FEDERAL #053	G	7100
BLM	17S	32E	21	NE	23	160	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39875	MC FEDERAL #055	H	7200
BLM	17S	32E	21	N2SE	24	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00612	MCA UNIT #071	I	4145
BLM	17S	32E	21	N2SE	24	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38387	MC FEDERAL #011	J	7000
BLM	17S	32E	21	N2SE	24	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38997	MC FEDERAL #028	I	7100
BLM	17S	32E	21	N2SE	24	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39002	MC FEDERAL #034	J	7000
BLM	17S	32E	21	N2SE	24	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-40096	MC FEDERAL #057	J	7247
BLM	17S	32E	21	N2SE	24	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39876	MC FEDERAL #059	J	7200
BLM	17S	32E	21	N2SE	24	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39864	MC FEDERAL #061	I	7000

LAND STATUS REPORT OF OPERATORS
(BASIS FOR TABLES AND FIGURES)

Land	T	R	S	Legal	Tract #	Acres	Operator	Address	BLM ✓	Lea County	State ✓	OCD ✓	API #	Well Name	Unit Letter	Proposed/Total Depth
BLM	17S	32E	21	N2SE	24	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-40125	MC FEDERAL #064	J	7100
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00619	BAISH A #005	K	2442
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-12763	MCA UNIT #044	F	4109
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	Conoco Phillips Co.	P O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-08031	MCA UNIT #046	E	4102
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00606	MCA UNIT #047	E	4096
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00610	MCA UNIT #067	L	4125
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00611	MCA UNIT #069	K	4000
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00608	MCA UNIT #093	M	4064
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-34773	MC FEDERAL #003	F	7200
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-34933	MC FEDERAL #004	L	7200
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38509	MC FEDERAL #012	C	7100
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38835	MC FEDERAL #015	D	7300
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38739	MC FEDERAL #016	E	7300
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38703	MC FEDERAL #020	L	7400
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38815	MC FEDERAL #021	D	7400
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38717	MC FEDERAL #024	E	7400
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38832	MC FEDERAL #025	C	7000
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38998	MC FEDERAL #029	K	7000
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39058	MC FEDERAL #030	F	7000
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39000	MC FEDERAL #032	K	7000
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39107	MC FEDERAL #035	L	7000
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39163	MC FEDERAL #036	M	7000
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39292	MC FEDERAL #038	L	7000
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39423	MC FEDERAL #040	D	7000
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39425	MC FEDERAL #042	E	7050
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39507	MC FEDERAL #044	D	7000
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39628	MC FEDERAL #046	C	7100
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39962	MC FEDERAL #050	C	7000

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Land	T	R	S	Legal	Tract #	Acres	Operator	Address	BLM ✓	Lea County	State ✓	OCD ✓	API #	Well Name	Unit Letter	Proposed/Total Depth
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-40152	MC FEDERAL #052	E	7000
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39427	MC FEDERAL #054	F	7100
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39931	MC FEDERAL #056	F	7100
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39877	MC FEDERAL #060	K	7200
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-40240	MC FEDERAL #062	L	7100
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39867	MC FEDERAL #063	K	7100
BLM	17S	32E	21	N2SW, SWSW, NW	19, 20, 21	280	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39500	MC FEDERAL #066	M	7200
BLM	17S	32E	21	S2SE	25	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24258	MCA UNIT #326	P	4250
BLM	17S	32E	21	S2SE	25	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24267	MCA UNIT #328	O	4200
BLM	17S	32E	21	S2SE	25	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39059	J C FEDERAL #025	O	7000
BLM	17S	32E	21	S2SE	25	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39060	J C FEDERAL #026	P	7000
BLM	17S	32E	21	S2SE	25	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39167	J C FEDERAL #029	O	7100
BLM	17S	32E	21	S2SE	25	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39168	J C FEDERAL #030	P	7100
BLM	17S	32E	21	S2SE	25	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39542	J C FEDERAL #034	P	7000
BLM	17S	32E	21	S2SE	25	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39506	J C FEDERAL #035	O	7100
BLM	17S	32E	21	S2SE	25	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39614	J C FEDERAL #036	P	7100
BLM	17S	32E	21	S2SE	25	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-40239	J C FEDERAL #037	O	7100
BLM	17S	32E	21	S2SE	25	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39001	MC FEDERAL #033	O	4029
BLM	17S	32E	21	S2SE	25	80	Frontier Field Services, LLC	1900 Dalrock Rd., Rowlett, TX 75088	✓	✓		✓	30-025-40420	MALJAMAR AGI #001	O	10100
BLM	17S	32E	22	W2NW	31	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-30363	BAISH A #014	D	10000
BLM	17S	32E	22	W2NW	31	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-20647	MC FEDERAL #007	E	6000
BLM	17S	32E	22	W2NW	31	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-35989	MC FEDERAL #008	D	7000
BLM	17S	32E	22	W2NW	31	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38262	MC FEDERAL #010	E	7400
BLM	17S	32E	22	W2NW	31	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38740	MC FEDERAL #019	D	7000
BLM	17S	32E	22	W2NW	31	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38999	MC FEDERAL #031	E	7000
BLM	17S	32E	22	W2NW	31	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39618	MC FEDERAL #043	D	7100
BLM	17S	32E	22	W2NW	31	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-40153	MC FEDERAL #058	D	7100
BLM	17S	32E	22	W2NW	31	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-40228	MC FEDERAL #069	E	15500

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Land	T	R	S	Legal	Tract #	Acres	Operator	Address	BLM ✓	Lea County	State ✓	OCD ✓	API #	Well Name	Unit Letter	Proposed/Total Depth
BLM	17S	32E	22	W2NW	31	80	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-34647	MC FEDERAL COM #001	E	14912
BLM	17S	32E	22	SW, E2NW	32, 33	240	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00631	MCA UNIT #073	K	4108
BLM	17S	32E	22	SW, E2NW	32, 33	240	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-12795	MCA UNIT #086	N	4100
BLM	17S	32E	22	SW, E2NW	32, 33	240	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00628	MCA UNIT #088	M	4145
BLM	17S	32E	22	SW, E2NW	32, 33	240	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24183	MCA UNIT #316	M	4200
BLM	17S	32E	22	SW, E2NW	32, 33	240	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24376	MCA UNIT #338	L	4150
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-34772	J C FEDERAL #002	F	7200
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-35988	J C FEDERAL #003	L	7020
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-37964	J C FEDERAL #005	C	10500
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38836	J C FEDERAL #016	C	7100
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38831	J C FEDERAL #017	F	7100
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-38830	J C FEDERAL #018	L	7100
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39087	J C FEDERAL #020	L	7000
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39088	J C FEDERAL #021	K	7000
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39164	J C FEDERAL #023	K	7100
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39247	J C FEDERAL #027	M	7300
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39166	J C FEDERAL #028	N	7350
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39169	J C FEDERAL #031	M	7300
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39170	J C FEDERAL #032	N	7000
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39478	J C FEDERAL #039	C	7000
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39684	J C FEDERAL #042	C	7000
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39616	J C FEDERAL #045	F	7100
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39480	J C FEDERAL #049	K	7100
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39860	J C FEDERAL #050	L	7150
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39481	J C FEDERAL #051	K	7100
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39861	J C FEDERAL #052	M	7200
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39862	J C FEDERAL #053	N	7200
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39930	J C FEDERAL #054	M	7100

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Land	T	R	S	Legal	Tract #	Acres	Operator	Address	BLM ✓	Lea County	State ✓	OCD ✓	API #	Well Name	Unit Letter	Proposed/Total Depth
BLM	17S	32E	22	SW, E2NW	32, 33	240	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-39863	J C FEDERAL #055	N	7000
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00720	MCA UNIT #120	C	4146
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-12792	MCA UNIT #149	E	4204
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00728	MCA UNIT #180	L	3879
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00724	MCA UNIT #181	K	4011
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00729	MCA UNIT #206	M	4002
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23846	MCA UNIT #282	C	4185
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23938	MCA UNIT #299	D	4200
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24127	MCA UNIT #314	E	4250
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24186	MCA UNIT #317	D	4200
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24233	MCA UNIT #321	L	4175
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24513	MCA UNIT #346	M	4425
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24583	MCA UNIT #353	N	4350
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-30491	MCA UNIT #384	E	4200
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-38972	MCA UNIT #399	K	4455
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-38973	MCA UNIT #400	L	4450
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-38978	MCA UNIT #409	L	4470
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-38983	MCA UNIT #415	N	4385
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-38984	MCA UNIT #416	N	4575
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-38985	MCA UNIT #417	M	4600
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-38986	MCA UNIT #418	M	4485
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-38987	MCA UNIT #419	M	4495
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-39409	MCA UNIT #472	E	4183
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-39410	MCA UNIT #473	F	4187
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-39431	MCA UNIT #477	K	4207
BLM	17S	32E	27	W2	34	320	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-41398	MCA UNIT #512	K	4375
BLM	17S	32E	28	SESW	29	40	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23559	MCA UNIT #261	N	4135
BLM	17S	32E	28	SESW	29	40	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-39352	MCA UNIT #479	N	4300

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BLM	17S	32E	28	SESW	29	40	COG Oil & Gas L.P.	550 W. Texas Ave., Suite 1300 Midland, TX 79701	✓	✓		✓	30-025-27068	FEDERAL B1 #001	N	11500
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-12804	MCA UNIT #113	D	4050
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00733	MCA UNIT #114	D	4071
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00734	MCA UNIT #115	C	4100
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-12769	MCA UNIT #116	B	4119
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00738	MCA UNIT #118	A	4145
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00740	MCA UNIT #150	H	4103
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00739	MCA UNIT #151	G	4112
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00736	MCA UNIT #152	F	4125
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00742	MCA UNIT #176	K	4100
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-21489	MCA UNIT #177	J	4041
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-20496	MCA UNIT #235	F	4182
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23482	MCA UNIT #252	D	4080
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23487	MCA UNIT #254	O	4100
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23569	MCA UNIT #260	F	4110
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23705	MCA UNIT #268	K	4155
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23731	MCA UNIT #274	A	4190
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23744	MCA UNIT #284	E	4150
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23790	MCA UNIT #296	K	4180
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24226	MCA UNIT #301	J	4220
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24196	MCA UNIT #318	A	4200
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24235	MCA UNIT #324	L	4170
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24349	MCA UNIT #332	O	4225
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24352	MCA UNIT #333	P	4175
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-25849	MCA UNIT #357	M	4150
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-30337	MCA UNIT #380	B	4130
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00745	MCA UNIT #382	J	9680
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-37931	MCA UNIT #394	D	3800

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BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-37900	MCA UNIT #395	E	4426
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-37976	MCA UNIT #396	L	9999
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-37939	MCA UNIT #397	E	4200
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-37940	MCA UNIT #403	G	4200
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-38038	MCA UNIT #407	L	4306
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-38979	MCA UNIT #410	O	3944
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-38988	MCA UNIT #421	P	4430
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-39351	MCA UNIT #478	O	4317
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-39766	MCA UNIT #480	O	4298
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-39402	MCA UNIT #481	M	4142
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-39767	MCA UNIT #482	K	4150
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-39353	MCA UNIT #483	I	4278
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-39354	MCA UNIT #484	K	4255
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-39403	MCA UNIT #485	K	4128
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-39355	MCA UNIT #486	I	4273
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-39356	MCA UNIT #487	J	4242
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	600	Cimarex Energy Company	600 North Marienfeld Street, Suite 600, Midland, TX 79701	✓	✓		✓	30-025-40712	PEARSALL FEDERAL SWD #001	E	10500
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	COG Operating, LLC	One Concho Center, 600 W. Illinois Ave., Midland, TX 79701	✓	✓		✓	30-025-39519	MALJAMAR SWD 29 #001	O	10500
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00759	MCA UNIT #109	D	3968
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00753	MCA UNIT #154	H	4060
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00755	MCA UNIT #169	L	4062
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00754	MCA UNIT #170	K	4157
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00764	MCA UNIT #171	J	4140
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00766	MCA UNIT #172	O	4050
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00762	MCA UNIT #173	I	4250
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00763	MCA UNIT #211	P	4250
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00765	MCA UNIT #212	O	4001

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BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23707	MCA UNIT #270	F	4130
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23741	MCA UNIT #281	D	4025
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-23797	MCA UNIT #294	K	4130
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-29853	MCA UNIT #369	E	4160
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-31100	MCA UNIT #386	F	4350
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	560	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-37879	MCA UNIT #393	H	4450
BLM	17S	32E	29	W2NE	11	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-00767	MCA UNIT #111	B	4020
BLM	17S	32E	29	W2NE	11	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24076	MCA UNIT #308	G	4100
BLM	17S	32E	29	W2NE	11	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-24213	MCA UNIT #319	G	4125
BLM	17S	32E	29	W2NE	11	80	Conoco Phillips Co.	P.O. Box 7500, Bartlesville, OK 74005	✓	✓		✓	30-025-29102	MCA UNIT #365Y	B	4400
BLM	17S	32E	29	W2NE	11	80	Mack Energy Corporation	P.O. Box 960, 11352 Lovington Hwy, Artesia, NM 88210	✓	✓		✓	30-025-41557	CUTTHROAT FEDERAL #005	G	10500

LAND STATUS REPORT OF LEASEHOLD OWNERS
(BASIS FOR TABLES AND FIGURES)

Land	T	R	S	Legal	Tract #	Leasehold Owner	Address	Lea County
State	17S	32E	16	N2SW	14	Bank of Texas, National Association	Frank T. Smith Jr., Trustee, and Bank of Texas National Assoc. 5956 Sherry Lane, Suite 110 Dallas, TX 75225	✓
State	17S	32E	16	S2SW	15	Bulldog Energy Corporation	P.O. Box 658 Artesia, NM 88211	✓
State	17S	32E	16	S2SW	15	Burr, Steven M.	3207 Hanover Avenue Dallas, TX 75225	✓
State	17S	32E	16	N2SE, N2SW	14, 16	Chase Oil Corporation	P.O. Box 1767 Artesia, NM 88211	✓
State	17S	32E	16	S2SW, N2SW	14, 15	Chase, Robert C.	2306 Sierra Vista Artesia, NM 88211	✓
State	17S	32E	16	N2SW	14	City of Carlsbad	101 North Halagueno Carlsbad, NM 88221	✓
State	17S	32E	16	S2SW, N2SW	14, 15	Crouch, Gerene Dianne Chase	P.O. Box 693 Artesia, NM 88211	✓
State	17S	32E	16	SESE	18	Forest Oil Company (formerly Wiser Oil Company)	707 Seventeenth Street, Suite 3600 Denver, CO 80202	✓
State	17S	32E	16	S2SW	15	Highland (Texas) Energy Company	7557 Rambler Road, Suite 918 Dallas, TX 75231	✓
State	17S	32E	16	S2SW, N2SW	14, 15	Mack C. and Marilyn Y. Chase Trust	P.O. Box 693 Artesia, NM 88211	✓
State	17S	32E	16	SESE	18	Maljamar Development Partnership	8115 Preston Road, Suite 400 Dallas, TX 75225	✓
State	17S	32E	16	S2SW, N2SW	14, 15	Marbob Energy Corporation	P.O. Drawer 217 Artesia, NM 88210	✓
State	17S	32E	16	S2SW	15	Matthews, Truitt F.	9337 Loma Vista Drive Dallas, TX 75243	✓

LAND STATUS REPORT OF LEASEHOLD OWNERS
(BASIS FOR TABLES AND FIGURES)

Land	T	R	S	Legal	Tract #	Leasehold Owner	Address	Lea County
State	17S	32E	16	S2SW	15	Penroc Oil Corporation	P.O. Box 2769 Hobbs, NM 96241	✓
State	17S	32E	16	SESE	18	Ventana Exploration, Inc.	7557 Rambler Road, Suite 918 Dallas, TX 75231	✓
BLM	17S	32E	17	SWSE	1	Adina Taubman Trust	Adina Taubman, Trustee c/o Jassoy, Graff & Douglas 7777 Fay Avenue, Suite 100 La Jolla, CA 92037	✓
BLM	17S	32E	17	SWSE	1	Andrea Taubman Quijano Revocable Trust	Andrea M. Taubman, Trustee c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	SWSE	1	Barbara Taubman Living Trust	Barbara Taubman, Trustee c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	SWSE	1	Bella Daniel Trust	David E. Boyle, Anne C. Taubman, and/or Wayne Hagendorf, Trustees c/o Bank of Oklahoma, NA (Agent) P.O. Box 3499 Tulsa, OK 74101	✓
BLM	17S	32E	17	SWSE	1	Charles Taubman Revocable Trust	Charles Taubman, Trustee c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	SWSE	1	Claudia Paulette Taubman Revocable Trust	Claudia Paulette Taubman, Trustee c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	SWSE	1	Debra Anne Taubman Trust	Deborah Anne Taubman & Beatriz Foster, Trustees c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓

LAND STATUS REPORT OF LEASEHOLD OWNERS
(BASIS FOR TABLES AND FIGURES)

Land	T	R	S	Legal	Tract #	Leasehold Owner	Address	Lea County
BLM	17S	32E	17	NWSE	1	Geronimo Holding Corporation	1801 West Texas Midland, TX 79701	✓
BLM	17S	32E	17	SWSE	1	Herman P. & Sophia Taubman Foundation	Louis Taubman & David L. Fist, Trustees c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	SWSE	1	Hilary Lu Taubman Revocable Trust	Hilary Lu Taubman, Trustee c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	SWSE	1	Janice L. Taubman Revocable Trust	Janice L. Taubman, Trustee c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	SWSE	1	Jonathan Zachary Shalom Management Trust	Rosalei Taubman, and Jonathan Zachary Shalom, Trustees c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	SWSE	1	Kaaren Paula Shalom Management Trust	Rosalie Taubman and Kaaren Paula Shalom, Trustees c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	SWSE	1	L.N. Taubman Revocable Trust	Lawrence Nathan Taubman, Trustee c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	SWSE	1	Louis Taubman Trust	Louis Taubman and Ruthe S. Taubman, Trustees c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	SWSE	1	Maurine Taubman Revocable Management Trust	Bank of Oklahome and Maurine Taubman, Co-Trustees c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓

LAND STATUS REPORT OF LEASEHOLD OWNERS
(BASIS FOR TABLES AND FIGURES)

Land	T	R	S	Legal	Tract #	Leasehold Owner	Address	Lea County
BLM	17S	32E	17	NWSE	1	Norwest Bank Texas, NA	500 W. Texas Midland, TX 79701	✓
BLM	17S	32E	17	SWSE	1	Rebecca Melanie Taubman Revocable Trust	Rebecca Melanie Taubman, Trustee c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	SWSE	1	Richard J. Taubman Trust	Richard J. Taubman, Trustee c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	SWSE	1	Robert M. Taubman Marital Exempt Trust	Marilyn F. Taubman, Trustee 50 Mounds Road 601 San Mateo, CA 94402	✓
BLM	17S	32E	17	SWSE	1	Robert M. Taubman Revocable Trust	Robert M. Taubman, Trustee c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	SWSE	1	Rosalie Taubman Management Trust	Theodore S. Hochstim & Brown Brothers Harriman Trust Company of Texas, Trustees c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	SWSE	1	Survivors Trust, Marilyn F. Taubman	Marilyn F. Taubman, Trustee 50 Mounds Road 601 San Mateo, CA 94402	✓
BLM	17S	32E	17	SWSE	1	Taubman, Charles	P.O. Box 8784 Rancho Santa Fe, CA 92067	✓
BLM	17S	32E	17	SWSE	1	Taubman, Mary Saxon	c/o J.H. Morris, Agent 1701 First Place Building 15 East 5th Street Tulsa, OK 74103	✓
BLM	17S	32E	17	NESE	2	Xeric Oil & Gas Company	1801 West Texas Midland, TX 79701	✓

LAND STATUS REPORT OF LEASEHOLD OWNERS
(BASIS FOR TABLES AND FIGURES)

Land	T	R	S	Legal	Tract #	Leasehold Owner	Address	Lea County
BLM	17S	32E	20	N2SE, NE, W2	3, 4, 5, 6, 7, 8, 9	Baish Limited Partnership	2210 Mockingbird Road Harrisburg, PA 17112	✓
BLM	17S	32E	20	N2SE, NE, W2	3, 4, 5, 6, 7, 8, 9	Baish, Mary Elizabeth	102 Logan Avenue Altoona, PA 16602	✓
BLM	17S	32E	20	N2SE, NE, W2	3, 4, 5, 6, 7, 8, 9	Bank of America	901 Main Street Dallas, TX 75202	✓
BLM	17S	32E	20	SENE, SWNE	8, 9	Bartek, Bradley D.	P.O. Box 100625 Fort Worth, TX 76185	✓
BLM	17S	32E	20	SENE	9	Devon Energy Production Company	ATTN: Teresa Mendiaz 20 North Broadway, Suite 1500 Oklahoma City, OK 73102	✓
BLM	17S	32E	20	SENE	9	Giant Pipeline Company	23733 N. Scottsdale Road Scottsdale, AZ 85255	✓
BLM	17S	32E	20	N2SE, NE, W2	3, 4, 5, 6, 7, 8, 9	Hondo Oil & Gas Company	410 East College Blvd. Roswell, NM 88201	✓
BLM	17S	32E	20	S2SW	5	Mitchell, Helen M.	Filing Attorney: William A. McBee, Attorney at Law P.O. Box 5292 Hobbs, NM 88241	✓
BLM	17S	32E	20	N2SE, NE, W2	3, 4, 5, 6, 7, 8, 9	PHN Trimble Investments, LLC	2727 North Ocean Blvd. Delray Beach, FL 33483	✓
BLM	17S	32E	20	N2SE, NE, W2	3, 4, 5, 6, 7, 8, 9	Southwest Royalties Institutional Income Fund VIII-D, LP	P.O. Box 11390 Midland, TX 79702	✓
BLM	17S	32E	20	N2SE, NE, W2	3, 4, 5, 6, 7, 8, 9	Standard Chartered Bank	1285 Avenue of the Americas, 14th Floor New York, NY 10019	✓
BLM	17S	32E	20	NWNW, S2NW	3, 4	Western Oil Producers, Inc.	P.O. Box 2800 Midland, TX 79702	✓
BLM	17S	32E	21	S2SW	21, 22	American Gathering, LP	333 Clay Street, Suite 2000 Houston, TX 77002	✓

LAND STATUS REPORT OF LEASEHOLD OWNERS
(BASIS FOR TABLES AND FIGURES)

Land	T	R	S	Legal	Tract #	Leasehold Owner	Address	Lea County
BLM	17S	32E	21	N2SE, NE, W2	19, 20, 21, 22, 23, 24	Austin Family Trust	Irving Graham Austin & Margaret A. Austin, Trustees 24992 Nellie Gall Road Laguna Hills, CA 92653	✓
BLM	17S	32E	21	N2SE, NE, W2	19, 20, 21, 22, 23, 24	Austin, Margaret	26716 Honey Creek Road Rancho Palos Verdes, CA 90274	✓
BLM	17S	32E	21	N2SE, NE, W2	19, 20, 21, 22, 23, 24	Carter, Nancy	1306 13th Street Imperial Beach, CA 92032	✓
BLM	17S	32E	21	N2SE, NE, W2	19, 20, 21, 22, 23, 24	Charles, Karen Elizabeth	110 Hudson Avenue Altoona, PA 16602	✓
BLM	17S	32E	21	SESW	22	DCP Midstream (acquired as Duke Energy Field Services)	370 17th Street, Suite 2500 Denver, CO 80202	✓
BLM	17S	32E	21	N2SE	24	Enterprise Field Services, LLC	ATTN: Land Department P.O. Box 4735 Houston, TX 77210	✓
BLM	17S	32E	21	S2SE	25	Fina Oil & Chemical Company	P.O. Box 2159 Dallas, TX 75221	✓
BLM	17S	32E	21	N2SE, NE, W2	19, 20, 21, 22, 23, 24	Masters, Margaret Baish	R.D. #4, Box 848 Harrisburg, PA 17112	✓
BLM	17S	32E	21	N2SE, NE, W2	19, 20, 21, 22, 23, 24	McCarley, Lucy	4027 Dorcas Court Nashville, TN 37215	✓
BLM	17S	32E	21	N2SE, NE, W2	19, 20, 21, 22, 23, 24	Scott, Katherine Mary	809 Sheridan Street Altoona, PA 16602	✓
BLM	17S	32E	21	N2SE, NE, W2	19, 20, 21, 22, 23, 24	Strohmeyer, Betty Baish	5362 East Rosewood Tuscon, AZ 85711	✓
BLM	17S	32E	21	N2SE, NE, W2	19, 20, 21, 22, 23, 24	William Lawrence King Jr. Revocable Trust	William Lawrence King Jr., and Marcia Tencate King, Trustees P.O. Box 278 Dorset, VT 05251	✓
BLM	17S	32E	22	SESW	32	Brown, James D., Jr.	6515 Mimms Drive Dallas, TX 75252	✓

LAND STATUS REPORT OF LEASEHOLD OWNERS
(BASIS FOR TABLES AND FIGURES)

Land	T	R	S	Legal	Tract #	Leasehold Owner	Address	Lea County
BLM	17S	32E	22	S2SW	32	Chaparral Pipeline Company	P.O. Box 2521 Houston, TX 77252	✓
BLM	17S	32E	22	N2NW	31, 33	Elliott, Cynthia S.	P.O. Box 143 (590 Upper Hollow Rd.) Dorset, VT 05251	✓
BLM	17S	32E	22	N2NW	31, 33	Elliott, Harry B., Jr.	19 Andy Lane Guilford, CT 06437	✓
BLM	17S	32E	22	W2NW	31	Henrik Perry Taubman Family Trust	c/o Jassoy, Graff & Douglas 7777 Fay Avenue, Suite 100 La Jolla, CA 92037	✓
BLM	17S	32E	22	E2NW	33	Iverson, Anne E.	20 Pineridge Drive Westfield, MA 01085	✓
BLM	17S	32E	27	W2	34	Chevron PBC, Inc.	11111 S. Wilcrest Houston, TX 77099	✓
BLM	17S	32E	27	W2	34	JCL Family, LP	15 Greenway Plaza, Suite 4G Houston, TX 77046	✓
BLM	17S	32E	27	W2	34	Sonic Oil & Gas, LP	P.O. Box 1240 505 Fifth Street Graham, TX 76450	✓
BLM	17S	32E	28	N2SW, SWSW	27, 28	Altura Energy, LTD	P.O. Box 4292 Houston, TX 77210	✓
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	Bank of New York Mellon Trust Company	601 Travis Street, 16th Floor Houston, TX 77002	✓
BLM	17S	32E	28	N2, SE, N2SW, SWSW	26, 27, 28, 30	Citicorp North America, Inc.	399 Park Avenue New York, NY 10043	✓
BLM	17S	32E	28	N2SW, SWSW	27, 28	Costaplenty Energy Corporation	P.O. Box 1182 Artesia, NM 88211	✓
BLM	17S	32E	28	N2	26	Leaco Rural Telephone Coop., Inc.	P.O. Box 337 Tatum, NM 88267	✓

LAND STATUS REPORT OF LEASEHOLD OWNERS
(BASIS FOR TABLES AND FIGURES)

Land	T	R	S	Legal	Tract #	Leasehold Owner	Address	Lea County
BLM	17S	32E	28	SESW	29	Petrus Management Corporation	12201 Merit Drive, Suite 900 Dallas, TX 75231	✓
BLM	17S	32E	28	SESW	29	Petrus Oil Company, LP	12201 Merit Drive, Suite 900 Dallas, TX 75231	✓
BLM	17S	32E	28	N2SW	27	Phillips 66 Texas Pipeline Company	P.O Box 4428 Houston, TX 77210	✓
BLM	17S	32E	29	E2NE, SE, W2	10, 12, 13	Angell, Darr & Pamela	P.O. Box 190 Lovington, NM 88260	✓
BLM	17S	32E	29	W2NE	11	Johnson, Robin	119 Broken Bridge Land Platte City, MO 64079	✓
BLM	17S	32E	29	W2NE	11	Keplinger, Julie Anne	3191 Wallingford Lane Keswick, VA 22947	✓
BLM	17S	32E	29	W2NE	11	Margaret K. Hunker Trust	Margaret K. Hunker, Trustee 1710 W. Third Street Roswell, NM 88201	✓
BLM	17S	32E	29	W2NE	11	McCollum, Lurae	P.O. Box 2243 Gallup, NM 87305	✓
BLM	17S	32E	29	W2NE	11	Pierce, Lynn	P.O. Box 6027 Chandler, AZ 85246	✓
BLM	17S	32E	29	W2NE	11	Plains Marketing, LP	ATTN: L. Richard Gilbert 333 Clay Street, Suite 1600 Houston, TX 77002	✓
BLM	17S	32E	29	W2NE	11	Plains Pipeline, LP	333 Clay Street, Suite 2000 Houston, TX 77002	✓
BLM	17S	32E	29	W2NE	11	Sandridge Exploration & Production, LLC	123 Robert S. Kerr Avenue Oklahoma City, OK 75201	✓
BLM	17S	32E	29	W2NE	11	Shaw, Helen M.	1111 West Main Artesia, NM 88210	✓

LAND STATUS REPORT OF LEASEHOLD OWNERS
(BASIS FOR TABLES AND FIGURES)

Land	T	R	S	Legal	Tract #	Leasehold Owner	Address	Lea County
BLM	17S	32E	29	W2NE	11	Shaw, Jacqueline J.	1111 West Main Artesia, NM 88210	✓
BLM	17S	32E	29	W2NE	11	Smithson, David	626 W. 6th Ave. Mesa, AZ 85210	✓
BLM	17S	32E	29	W2NE	11	Tecklenburg, James A.	P.O. Box 768 Zuni, NM 87327	✓
BLM	17S	32E	29	W2NE	11	XTO Energy, Inc.	810 Houston Street Fort Worth, TX 76102	✓
BLM	17S	32E	29	W2NE	11	Skipper, Mary Frances	160 Duchess Lane Clarksville, GA 30523	✓
BLM	17S	32E	21, 22	N2SE, NE, W2	19, 20, 21, 22, 23, 24, 31, 33, 32	American Royalty Partnership	Petro-Lewis Tower 717 Seventeenth Street Denver, CO 80202	✓
BLM	17S	32E	21, 22	N2SE, NE, W2	19, 20, 21, 22, 23, 24, 31, 33, 32	American Royalty Producing Company	Petro-Lewis Tower 717 Seventeenth Street Denver, CO 80202	✓
BLM	17S	32E	21, 22	N2SE, NE, W2	19, 20, 21, 22, 23, 24, 31, 33, 32	Conoco, Inc.	726 East Michigan Hobbs, NM 88240	✓
BLM	17S	32E	21, 22	N2SE, NE, W2	19, 20, 21, 22, 23, 24, 31, 33, 32	Conoco, Inc.	10 Desta Drive, Suite 100W Midland, TX 79705	✓
BLM	17S	32E	21, 22	N2SE, NE, W2	19, 20, 21, 22, 23, 24, 31, 33, 32	Conoco Oil & Gas Associates, LP	P.O. Box 2197 Houston, TX 77252	✓
BLM	17S	32E	21, 22	N2SE, NE, W2	19, 20, 21, 22, 23, 24, 31, 33, 32	ConocoPhillips	600 North Dairy Ashford P.O. Box 2197 Houston, TX 77252	✓
BLM	17S	32E	21, 22	N2SE, NE, W2	19, 20, 21, 22, 23, 24, 31, 33, 32	COG Oil & Gas, LP	550 West Texas Avenue, Suite 1300 Midland, TX 79701	✓
BLM	17S	32E	21, 22	N2SE, NE, W2	19, 20, 21, 22, 23, 24, 31, 33, 32	Partnership Properties Co.	Petro-Lewis Tower 717 Seventeenth Street Denver, CO 80202	✓

APPENDIX D

Demonstration of No Reasonable Hydrocarbons, Maljamar AGI #1 (September 25, 2012)

Form 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Operator Copy

FORM APPROVED
OM B No 1004-0135
Expires: January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

5. Lease Serial No.
LC 029509BB

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No
N/A

1. Type of Well
☐ Oil Well ☐ Gas Well ☑ Other

8. Well Name and No.
Maljamar AGI#1

2 Name of Operator
Frontier Field Services

9. API Well No
30-025-40420

3a Address
4200Skelly Dr , St. 700, Tulsa OK 7413N/A5

3b Phone No. *(include area code)*
918-384-8408

10. Field and Pool, or Exploratory Area
Exploratory (Lower Wolfcamp)

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
130'FSL, 1813'FEL Sec 2N/A1, T 17 S, R 32 E, NMPM, Lea Co. NM
Acid Gas Injection Well, Unorthodox Location

11 County or Parish, State
Lea

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other demonstration of no recoverable hydrocarbons
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The above-referenced AGI well (Maljamar AGI #1 (AGI # 30-025-40420) was drilled in March-June, 2012 at the approved location pursuant to an approved APD dated 1/3/2012 and NMOCD Order R-13443 The final perforation and completion of the well is scheduled to take place over the next three weeks in September-October 2012. After the well is perforated it will be tested and a sample of the formation fluid in the injection zone will be collected It is anticipated that injection operations will commence prior to year end.

The summary formation evaluation for the purpose of establishing that the zone is void of recoverable hydrocarbons is included as Attachment A As per your request, we have also included a copy of the log suite that was run across for the well including the mud log (Attachment B). Based on all of the attached information we are confident you will concur with our assessment that the pore space in the Lower Wolfcamp Formation at this location is wet and completely void of recoverable hydrocarbons

I hereby certify that the analysis of the NMOCD-approved injection zone within the Lower Wolfcamp in this well contains no recoverable hydrocarbons and that completion into this zone for acid gas injection is appropriate and should be permitted.

Operator to provide an analysis of the formation fluids to the BLM.

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Alberto A Gutierrez, RG

Title Consultant to Frontier Field Services LLC and AkA Energy

Signature Digitally signed by Alberto A. Gutierrez DN: cn=Alberto A. Gutierrez, o=Geolex, ou, email=aag@geolex.com, c=US Date: 2012.08.24 10:28:56 -06'00'

Date 9/24/12 9/24/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED
SEP 25 2012
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Approved by _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

SEP 26 2012

ATTACHMENT A

EVALUATION OF GEOPHYSICAL LOGS, SIDEWALL CORE AND FORMATION MICROIMAGING RESULTS, AND INJECTION POTENTIALS: AKA ENERGY GROUP MALJAMAR AGI #1

Sec. 21-Twp. 17S-32E

Lea County, New Mexico

Prepared for
AKA Energy Group
Frontier Field Services, LLC

by
Geolex, Inc.
500 Marquette Avenue NW Suite 1350
Albuquerque, NM 87102

August 8, 2012

SUMMARY OF FACTORS TO CONSIDER IN RESERVOIR AND CAP ROCK EVALUATION

- The successful evaluation of reservoir and cap rock characteristics using sidewall cores requires the careful consideerations oof the limitations of the samples obtained since each actual sidewall is only representative of 1- 1 ½ inches of the sampled formation. The overall evaluation of the cap rock and reservoir requires the simultaneous consideration of various data types and sources in order to arrive at a reasonable conceptual model of predicted injection performance. These additional data types are evaluated and considered in this analysis and include the complete geophysical log suite for the well including the triple combo, porosity, resistivity and formation microimager (FMI) logs, mudlogs, drilling condition reports and on-site observations. The overall evaluation and recommendations included herein for completion is the result of the analyses and evaluation of these multiple data types.

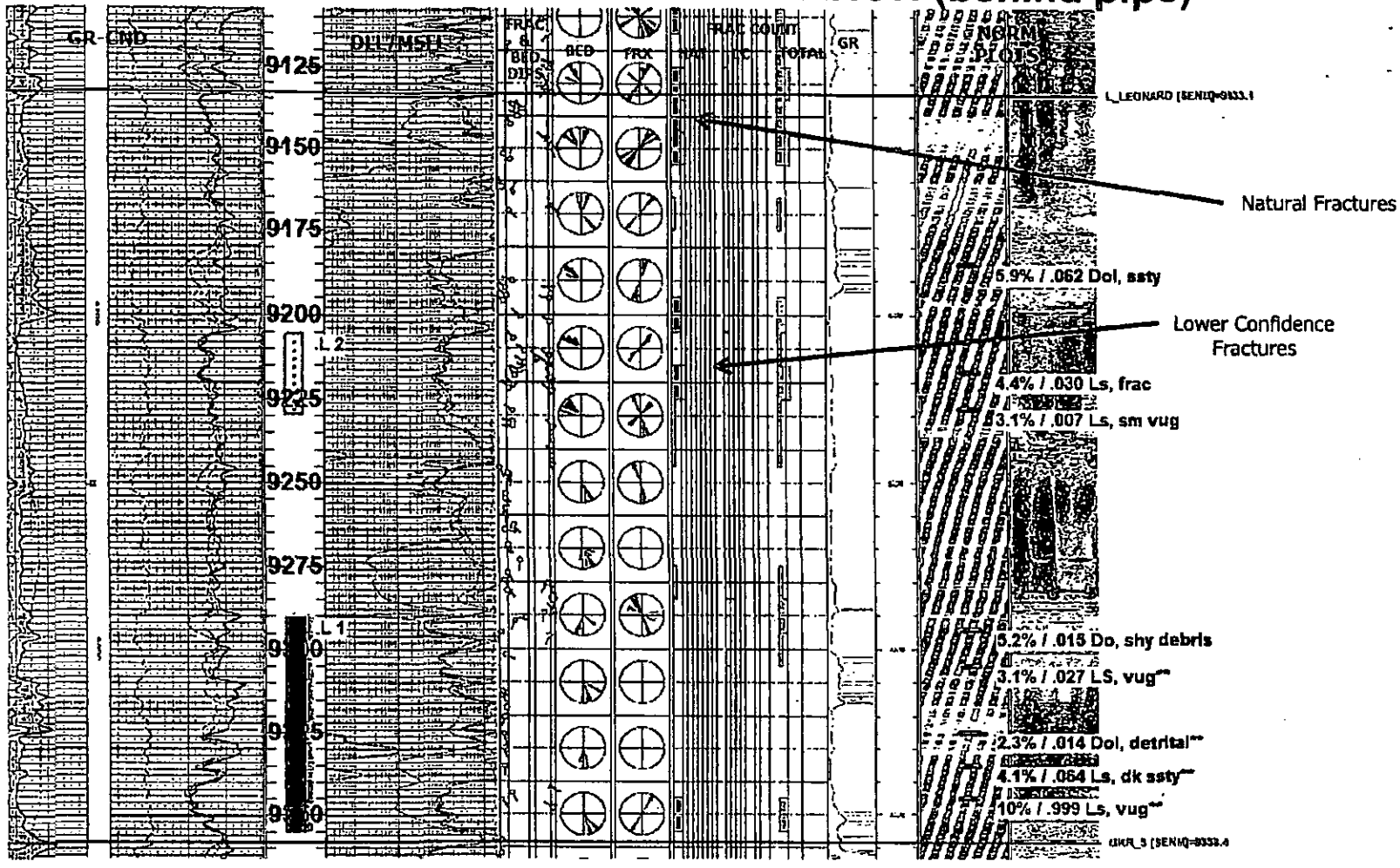
- The facies that were sampled in the lower Leonard to Wolfcamp are dominated by shelf margin detrital carbonates, which are variously composed of lithoclasts and bioclasts in either a carbonate or, more typically, shaley or silty matrix.

- Because of the nature of the facies being sampled, it is not always certain whether the sidewall core has sampled tighter clasts, the matrix, or a combination of both. Some of these detrital carbonates contain lithoclasts that are larger than the size of the sampled core, and porosity is more commonly found in the interparticle matrix.

- Therefore, porosity-permeability measurements of sidewall cores do not always "see" the true parameters of the rock being sampled, and generally result in pessimistically low porosity and permeability measurements when considered in isolation. For this reason it is equally important to consider the corresponding log signatures and drilling notes and experience. In addition, log-indicated porosity may be influenced by the directional nature of some porosity, like isolated vugs or fractures, and may not always read true on a single logging pass. This is aided by the utilization of the FMI log to evaluate strike and dip and fracture orientation.

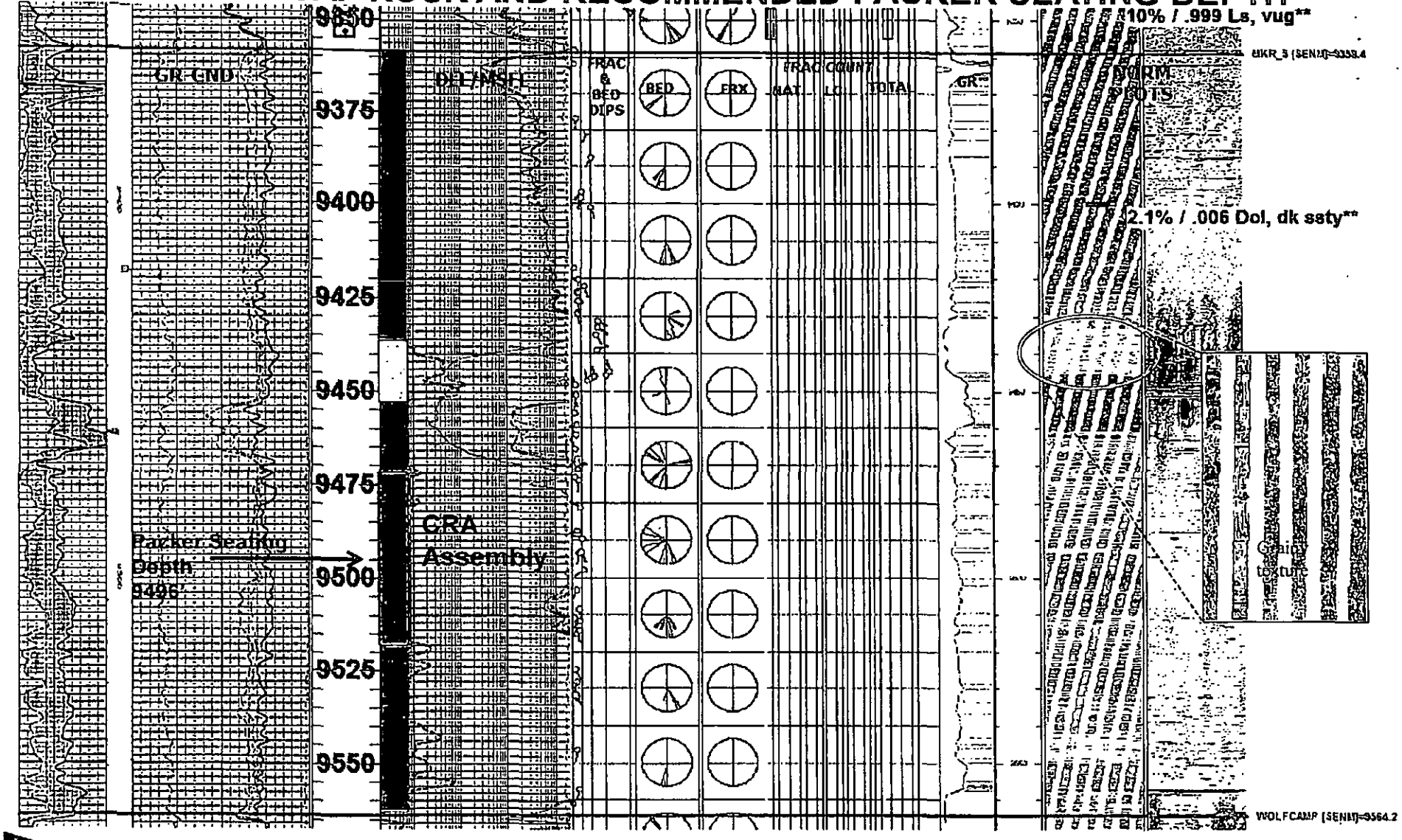
- In the following slides, I have indicated which core samples sampled obvious detrital carbonate, based upon the white and blue-light core photographs, direct examination and (to a lesser extent), the lithologic descriptions provided by Weatherford Labs. It is critical to note that this does not rule out the fact that other cores may include detrital carbonate since any particular sidewall core may have simply sampled only the tighter, clastic fraction of the rock, or perhaps, a locally tighter slope facies. The borehole image processed log is also included on each log composite, to identify major fractured zones. Its value in identifying rock textures is possible in most cases by examining the normalized image tracks.

ANALYSES OF LOWER LEONARD FORMATION (behind pipe)



On this and subsequent slides, yellow shading denotes porosity >5% in carbonates; the numbers and notations on the right refer to measured sidewall core porosity / permeability (% and md, respectively) and a brief lithologic description. Core points with double asterisks calculated Sws of greater than 40%, which is generally considered water productive in this area. The solid blue bars denote the preferred injection intervals. The lower part of the lower Leonard section (L1) reads almost consistently wet, with porosity up to 10%. Anything with porosity over 4% should be adequate for injection purposes. Some of the lower porosity rock may be in the clastic fraction of these detrital carbonates. This portion of the section will be behind pipe and not perforated. The CRA joint was set at 9474' and initial injection intervals will be below this level.

ANALYSIS OF CAP ROCK AND RECOMMENDED PACKER SEATING DEPTH



The intervals indicated by the brown bars appear to be dominated by dark, silty and shaley slope facies, with very low to trace permeability. The green bar denotes a tight lime grainstone, which can be seen on the image plot (green circle) This interval will make an excellent caprock for injection zones below which is why CRA assembly was set here and packer will be set at 9496'.

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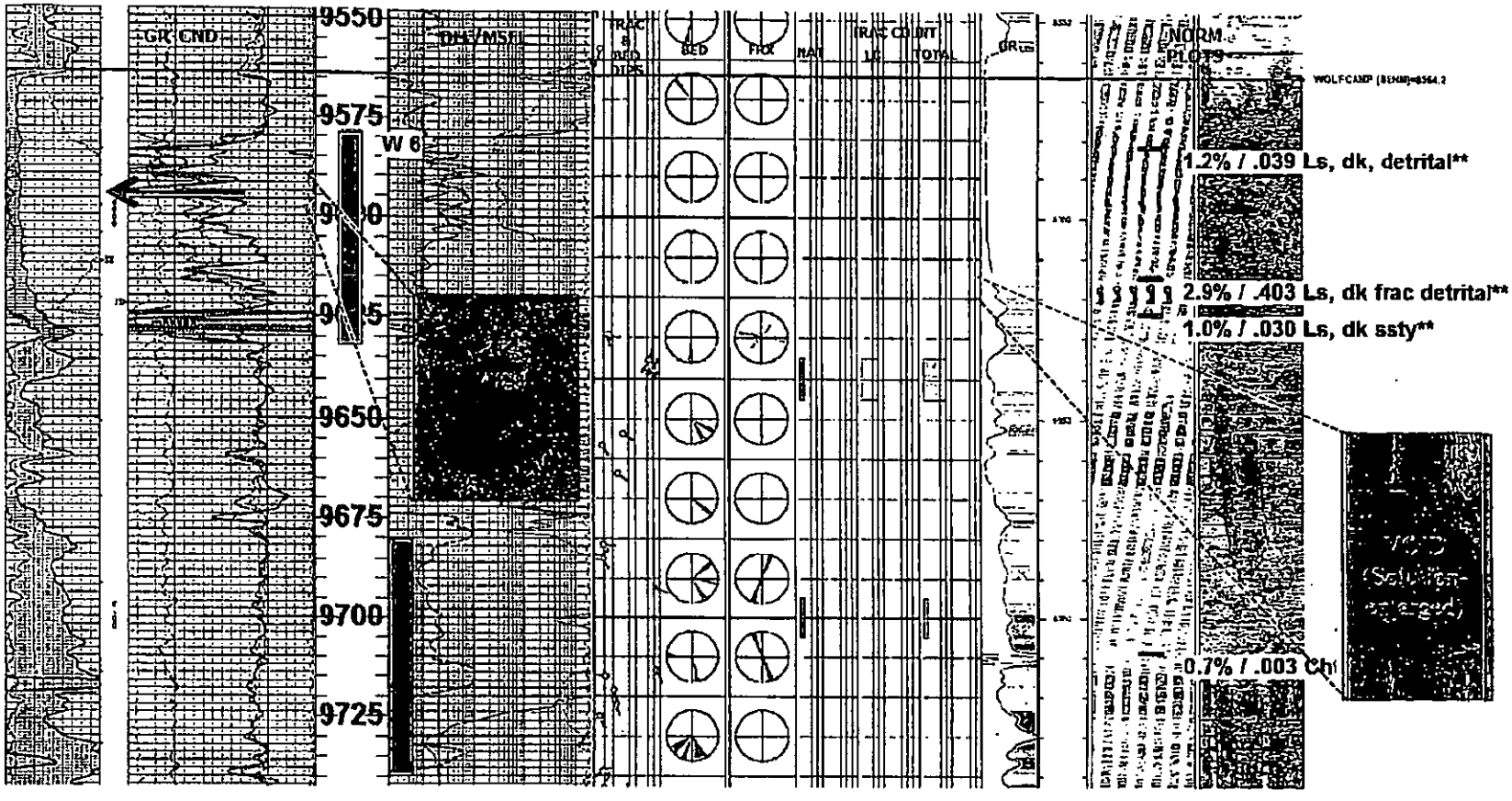
ANALYSIS OF UPPERMOST RECOMMENDED INJECTION ZONE – W 6



Upper Wolfcamp zone W6 is the uppermost recommended injection zone. This zone was washed out (see caliper log-blue arrow). The FMI image here indicates large voids (black) in the rock which could have caused it to slough. Tracking of the density and neutron curves support that interpretation because a simple washout would not cause the neutron log to go off-scale with the density log. One core sample through this interval recovered fractured (large fracture), detrital carbonate with good permeability, The image log there shows up as a large void, probably a solution-enlarged vug or small sinkhole. All the core samples calculated wet. The cherty zone below (brown bar) represents another caprock interval separating W6 from the underlying Wolfcamp zones.

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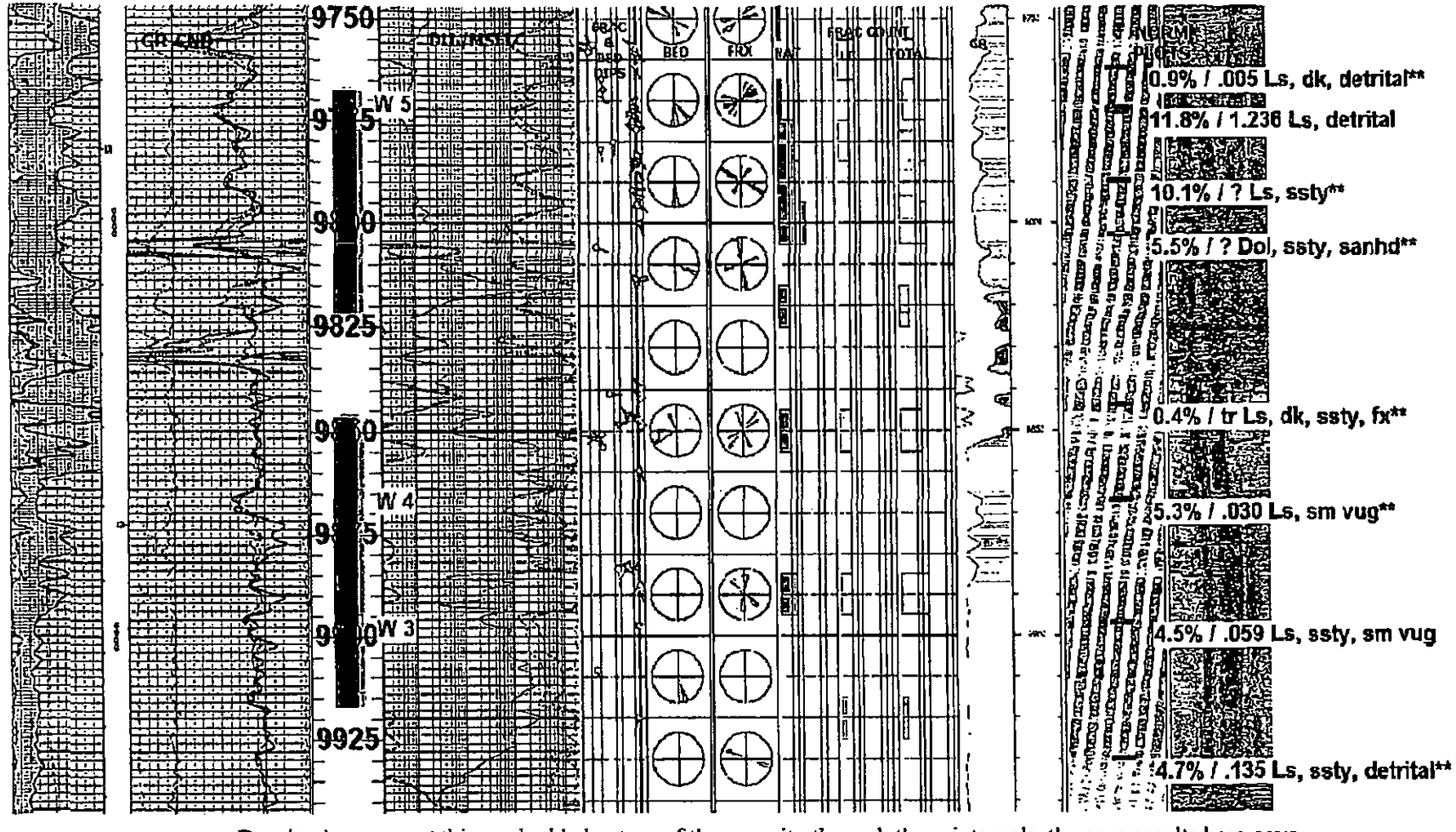
FRONTIER

ANALYSIS OF MIDDLE RECOMMENDED INJECTION ZONES – W 5, W 4 AND W 3



Despite the apparent thinner-bedded nature of the porosity through these intervals, the core results here gave the best, consistent porosity readings over 4%. The FMI shows pervasive fracturing that ties the porous beds together. Zones W5, W4 and W3 should all be perforated by shooting across the entire intervals indicated in blue.

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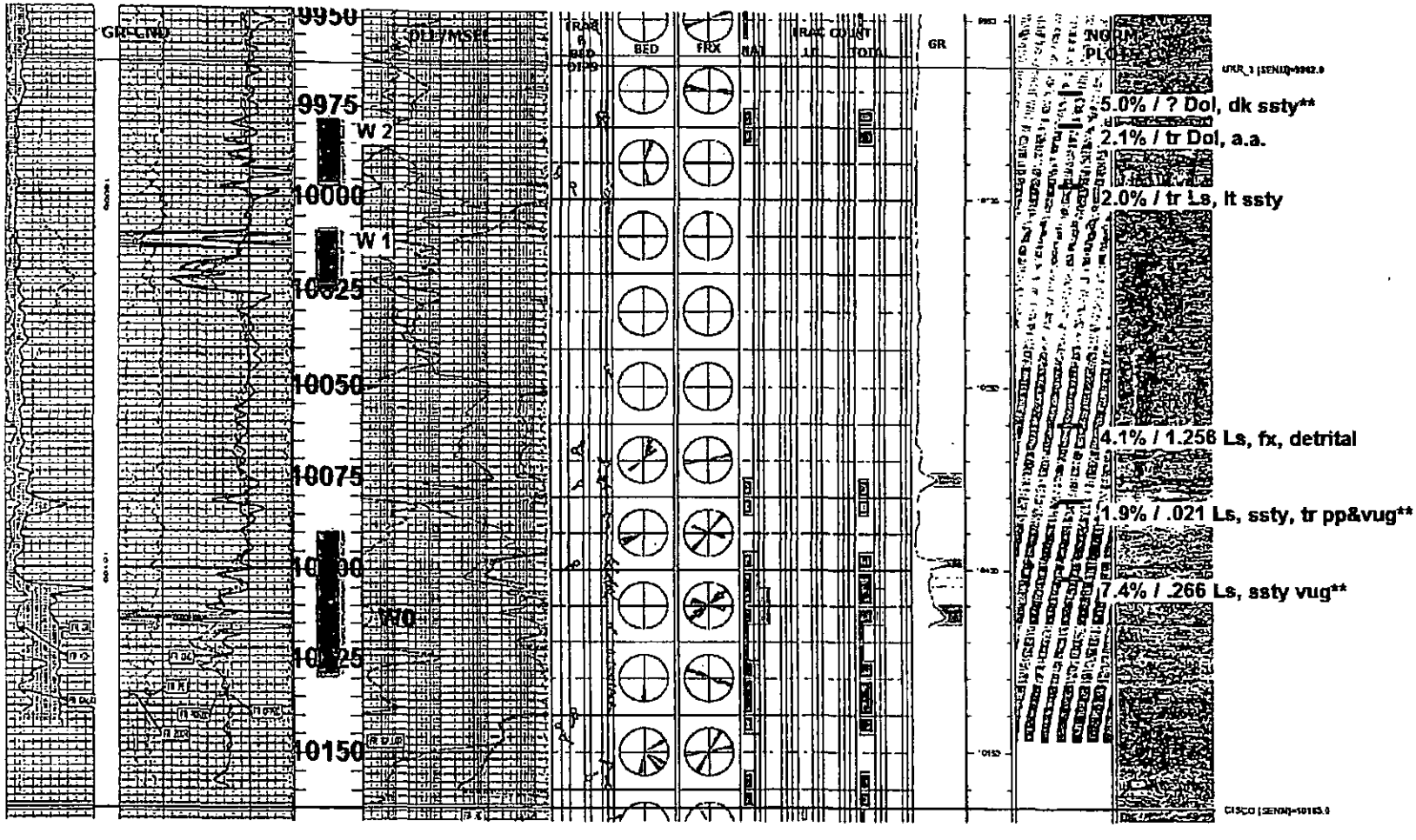
FRONTIER

ANALYSIS OF LOWERMOST RECOMMENDED INJECTION ZONES – W 2, W 1, AND W 0



Similarly, these lower Wolfcamp zones should be perforated across the three intervals with the blue bars. The lowest recommended perforation interval (W0) has been added on the basis of the density of fracturing, and primary porosities in core up to 7.4%. The fractures would serve to effectively inter-connect porosity across the interval.

SUMMARY OF RECOMMENDED PERFORATIONS

9579'-9632'	Upper Wolfcamp (W 6); good caprock
9768'-9821'	Middle Wolfcamp (W 5); good fracturing
9850'-9917'	Middle Wolfcamp (W 3, W 4); some fracturing
9979'-9997'	Middle Wolfcamp (W 2); some fracturing
10009'-10025'	Lower Wolfcamp (W 1); good primary porosity
10090'-10130'	Lowest Wolfcamp; (W 0); heavily fractured

All zones perforated 4spf at 90°

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FRONTIER

CONCLUSIONS AND RECOMMENDATIONS

- Sidewall core results are expectedly mixed, but indicate that the predominant facies types over the intervals of interest are detrital carbonates with locally high matrix porosity and permeability and significant fracture porosity and permeability.
- Core measurements, compared with log-indicated porosity and permeability and FMI-measured fractures, indicate the following perforating and testing priority for the various units of the Wolfcamp. The lower Leonard will be left behind pipe as a potential injection zone if needed in the future:

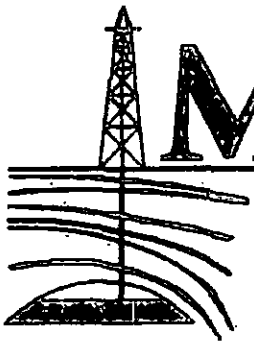
1. The W3 through W5 intervals are the best overall, potential injection zones, and are capped by at least 75-85 feet of tight, shaley and cherty facies.

2. The lower Wolfcamp section, which includes zones W1 and W2 and W 0, could be added to the first intervals, and collectively perforated and tested.

3. Zone W6 is probably a sequence of solution-enlarged porosity, and should be perforated and used even if the first lower Wolfcamp zones test adequately for injection purposes in order to comply with OCD's requirement that the uppermost perforations be no more than 100' below the packer. It is capped by a suitably thick section of tight, shaley and silty carbonates.

END OF ATTACHMENT A

ATTACHMENT B MUDLOG 9000'-TD



McNEESE
FIELD SERVICES, INC.

Office 432-682-0990

Scale: 5" / 100'
Measured Depth Log

Well Name	MALJAMAR AGI #1A		
Location	130' FSL & 1813' FEL, SEC 21, T17S, R32E		
State	NM	**County**	LEA
Country	USA	**Rig**	UNITED DRILLING #41
API Number	30-025-40420		
		Field	WILDCAT
		Drilling Completed	06/09/2012
Ground Elevation	4016'	**K.B. Elevation**	4031'
Logged Interval	5461' To 10183'	**Total Depth**	10183'

Operator

Company PB ENERGY

Geologist

Name TOM SHARP

Company GEOLEX

Other

LOGGER - DJ JONES

JOB #805

djones@mfsinc-us.com
(361)728-4874

Dates Logged:
04/28/12 - 06/09/12

Rock Types

- UNKNOWN
- ANHYDRITE
- GYPSUM
- SALT
- SIDERITE or LIMONITE
- LIMESTONE
- DOLOMITE
- CHERT
- COAL
- MARLSTONE
- CLAYSTONE
- SHALE
- SHALE GRAY
- SHALE COLORED
- SILTSTONE
- SANDSTONE
- CONGLOMERATE
- BRECCIA
- TILL
- BENTONITE
- TUFF
- IGNEOUS
- METAMORPHIC

Accessories

Fossils

- ALGAE
- AMPHIPORA
- BELEMNITE
- BIOCLASTIC
- BRACHOPOD
- BRYOZOA
- CEPHALOPOD
- CORAL
- CRINOID
- ECHINOID
- FISH
- FORAMINIFERA
- FOSSIL
- GASTROPOD
- OOLITE
- OSTRACOD
- PELECYPOD
- PELLET
- PISOLITE
- PLANT REMAINS
- PLANT SPORES
- SCAPHOPOD
- STROMATOPOROID

Minerals

- ANHYDRITIC
- ARGILLACEOUS
- ARGILLITE GRAIN
- BENTONITE
- BITUMENOUS SUBSTANCE
- BRECCIA FRAGMENTS
- CALCAREOUS
- CARBONACEOUS FLAKES
- CHTDK
- CHTLT
- COAL - THIN BEDS
- DOLOMITIC
- FELDSPAR
- FERRUGINOUS PELLET
- FERRUGINOUS
- GLAUCONITE
- GYPSIFEROUS
- HEAVY MINERAL
- KAOLIN
- MARLSTONE
- MINERAL CRYSTALS
- NODULES
- PHOSPHATE PELLETS
- PYRITE
- SALT CAST
- SANDY
- SILICEOUS
- SILTY
- TUFFACEOUS

Stringer

- ANHYDRITE STRINGER
- BENTONITE STRINGER
- COAL STRINGER
- DOLOMITE STRINGER
- GYPSUM STRINGER
- LIMESTONE STRINGER
- MARLSTONE (CALC) STRG
- MARLSTONE (DOL) STRG
- SANDSTONE STRINGER
- SHALE STRINGER
- SILTSTONE STRINGER

Other Symbols

Oil Show

- DEAD
- EVEN
- QUESTIONABLE
- SPOTTED STAINING

Porosity

- EARTHY
- FENESTRAL
- FRACTURE
- INTERCRYSTALLINE
- INTEROOLITIC
- MOLDIC
- ORGANIC
- PINPOINT
- VUGGY

Engineering

- BIT
- CONNECTION (LEFT)
- CONNECTION (RIGHT)
- CONNECTION GAS
- CORE - LOST
- CORE - RECOVERED
- DST INTERVAL
- FAULT
- FORMATION TOP
- GAS SHOW
- MN DEPTH
- NORMAL FAULT
- OIL SHOW
- OVERTURNED STRATA
- REVERSE FAULT
- SIDEWALL CORE (LEFT)
- SIDEWALL CORE (RIGHT)
- SLIDE
- SURVEY
- TRIP GAS
- WIRELINE TESTED - LEFT
- WIRELINE TESTED - RT

Rounding

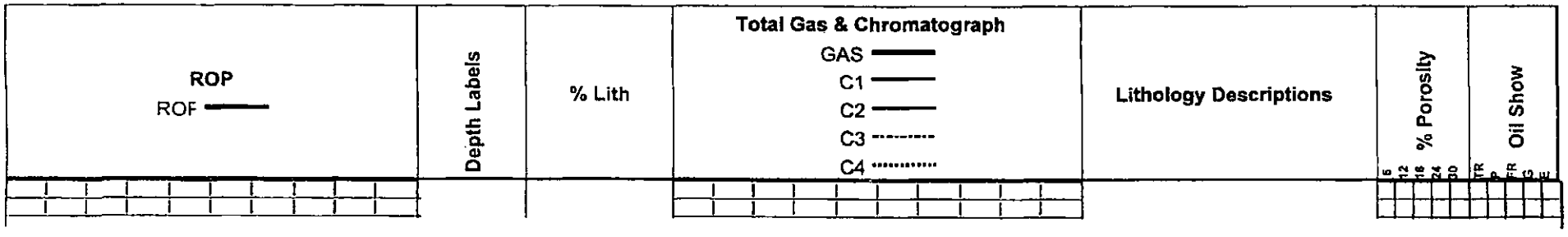
- ANGULAR
- ROUNDED
- SUBANG
- SUBRND

Textures

- BOUNDSTONE
- CHALKY
- CRYPTOXLN
- EARTHY
- FINELYXLN
- GRAINSTONE
- LITHOGRAPHIC
- MICROXLN
- MUDSTONE
- PACKSTONE
- WACKESTONE

Sorting

- MODERATE
- POOR
- WELL


ROP
ROF
Depth Labels
% Lith
Total Gas & Chromatograph
GAS
C1
C2
C3
C4
Lithology Descriptions
% Porosity
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12
18
24
30
Oil Show
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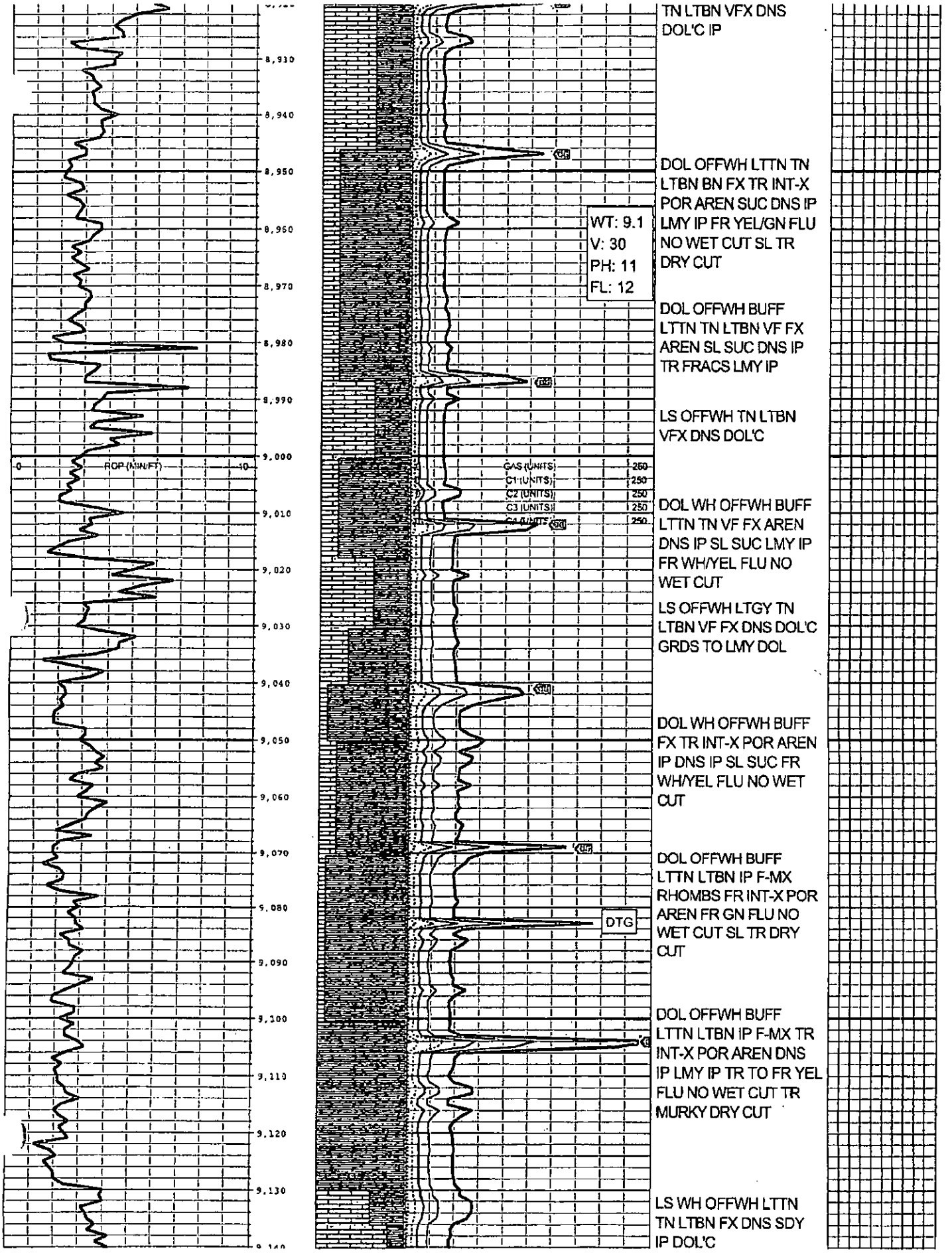
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9,060
9,070
9,080
9,090
9,100
9,110
9,120
9,130
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GAS (UNITS)
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C1 (UNITS)
250
C2 (UNITS)
250
C3 (UNITS)
250
WT: 9.1
V: 30
PH: 11
FL: 12
DTG
TN LTBN VFX DNS DOL'C IP
DOL OFFWH LTTN TN LTBN BN FX TR INT-X POR AREN SUC DNS IP LMY IP FR YEL/GN FLU NO WET CUT SL TR DRY CUT
DOL OFFWH BUFF LTTN TN LTBN VF FX AREN SL SUC DNS IP TR FRACS LMY IP
LS OFFWH TN LTBN VFX DNS DOL'C
DOL WH OFFWH BUFF LTTN TN VF FX AREN DNS IP SL SUC LMY IP FR WH/YEL FLU NO WET CUT
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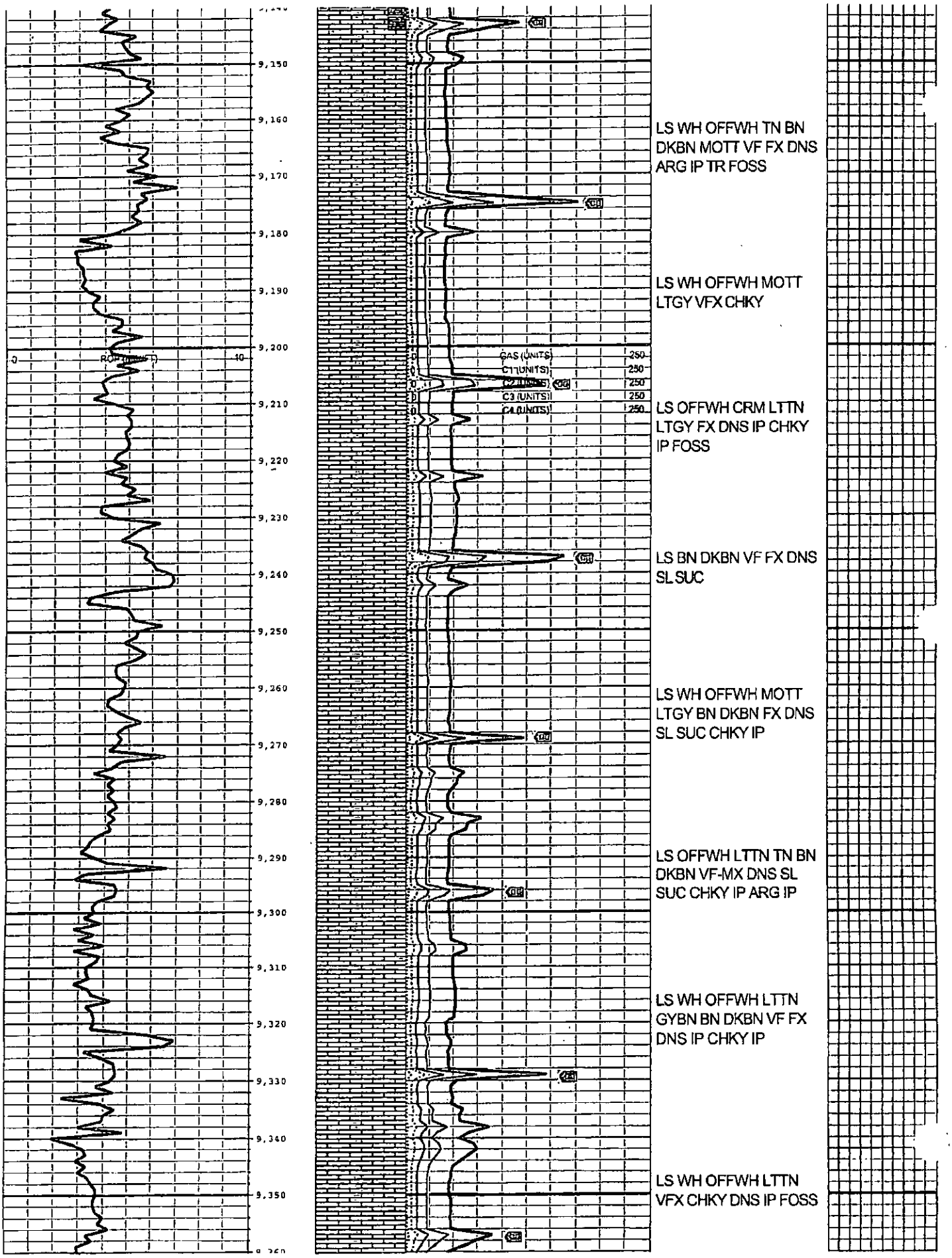
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GAS (UNITS)
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C4 (UNITS)
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LS WH OFFWH TN BN DKBN MOTT VF FX DNS ARG IP TR FOSS
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LS OFFWH CRM LTTN LTGY FX DNS IP CHKY IP FOSS
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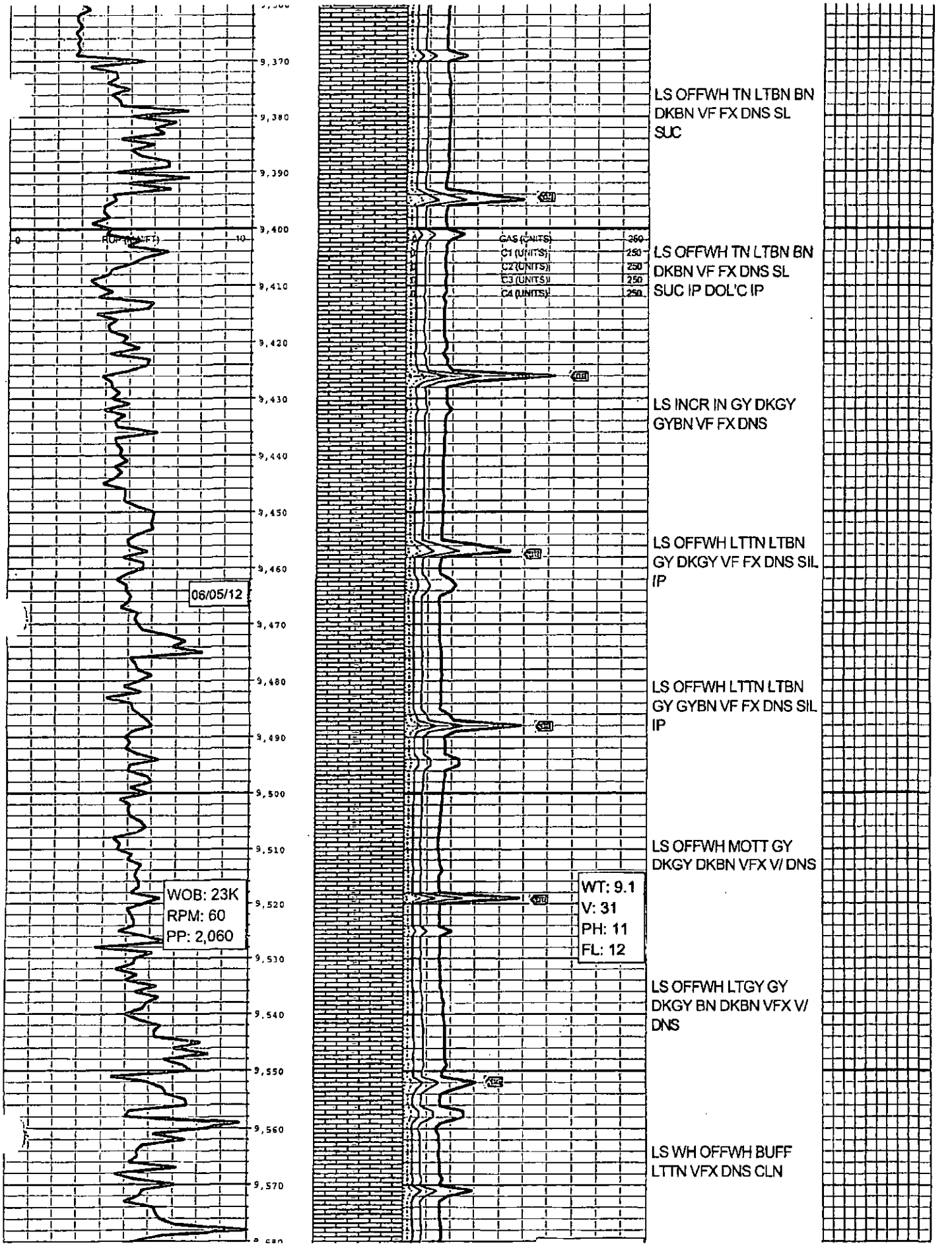
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9,510
9,520
9,530
9,540
9,550
9,560
9,570
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06/05/12
WOB: 23K
RPM: 60
PP: 2,060
GAS (UNITS)
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C2 (UNITS)
C3 (UNITS)
C4 (UNITS)
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V: 31
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FL: 12
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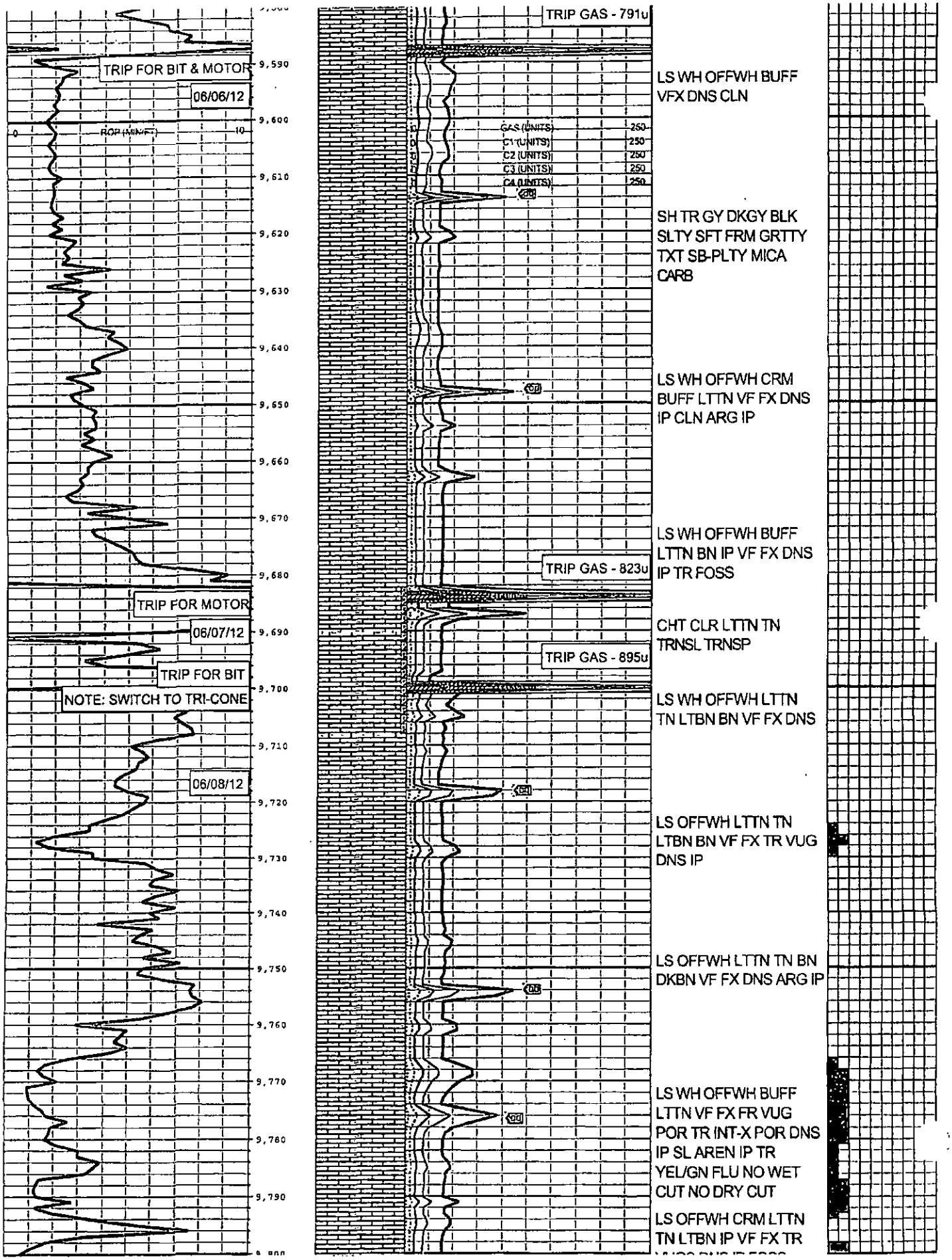
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9,660
9,670
9,680
TRIP FOR MOTOR
06/07/12
TRIP FOR BIT
NOTE: SWITCH TO TRI-CONE
9,690
9,700
9,710
06/08/12
9,720
9,730
9,740
9,750
9,760
9,770
9,780
9,790
TRIP GAS - 791u
GAS (UNITS)
C1 (UNITS)
C2 (UNITS)
C3 (UNITS)
C4 (UNITS)
250
LS WH OFFWH BUFF VFX DNS CLN
SH TR GY DKGY BLK SLTY SFT FRM GRTTY TXT SB-PLTY MICA CARB
LS WH OFFWH CRM BUFF LTTN VF FX DNS IP CLN ARG IP
TRIP GAS - 823u
LS WH OFFWH BUFF LTTN BN IP VF FX DNS IP TR FOSS
CHT CLR LTTN TN TRNSL TRNSP
TRIP GAS - 895u
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LS OFFWH LTTN TN BN DKBN VF FX DNS ARG IP
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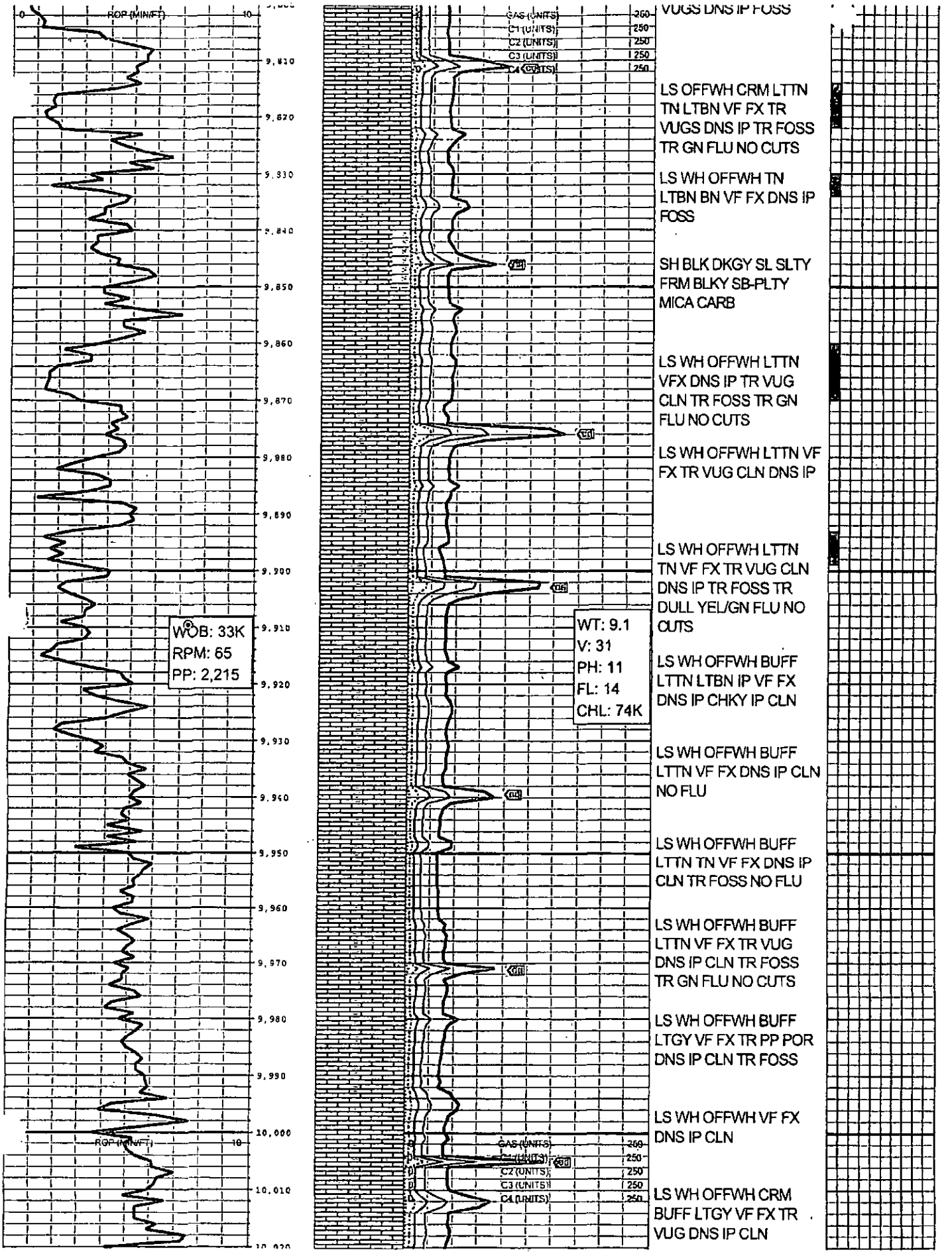
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WOB: 33K
RPM: 65
PP: 2,215
GAS (UNITS)
C1 (UNITS)
C2 (UNITS)
C3 (UNITS)
C4 (UNITS)
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250
250
250
WT: 9.1
V: 31
PH: 11
FL: 14
CHL: 74K
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LS WH OFFWH TN LTBN BN VF FX DNS IP FOSS
SH BLK DKGY SL SLTY FRM BLKY SB-PLTY MICA CARB
LS WH OFFWH LTTN VFX DNS IP TR VUG CLN TR FOSS TR GN FLU NO CUTS
LS WH OFFWH LTTN VF FX TR VUG CLN DNS IP
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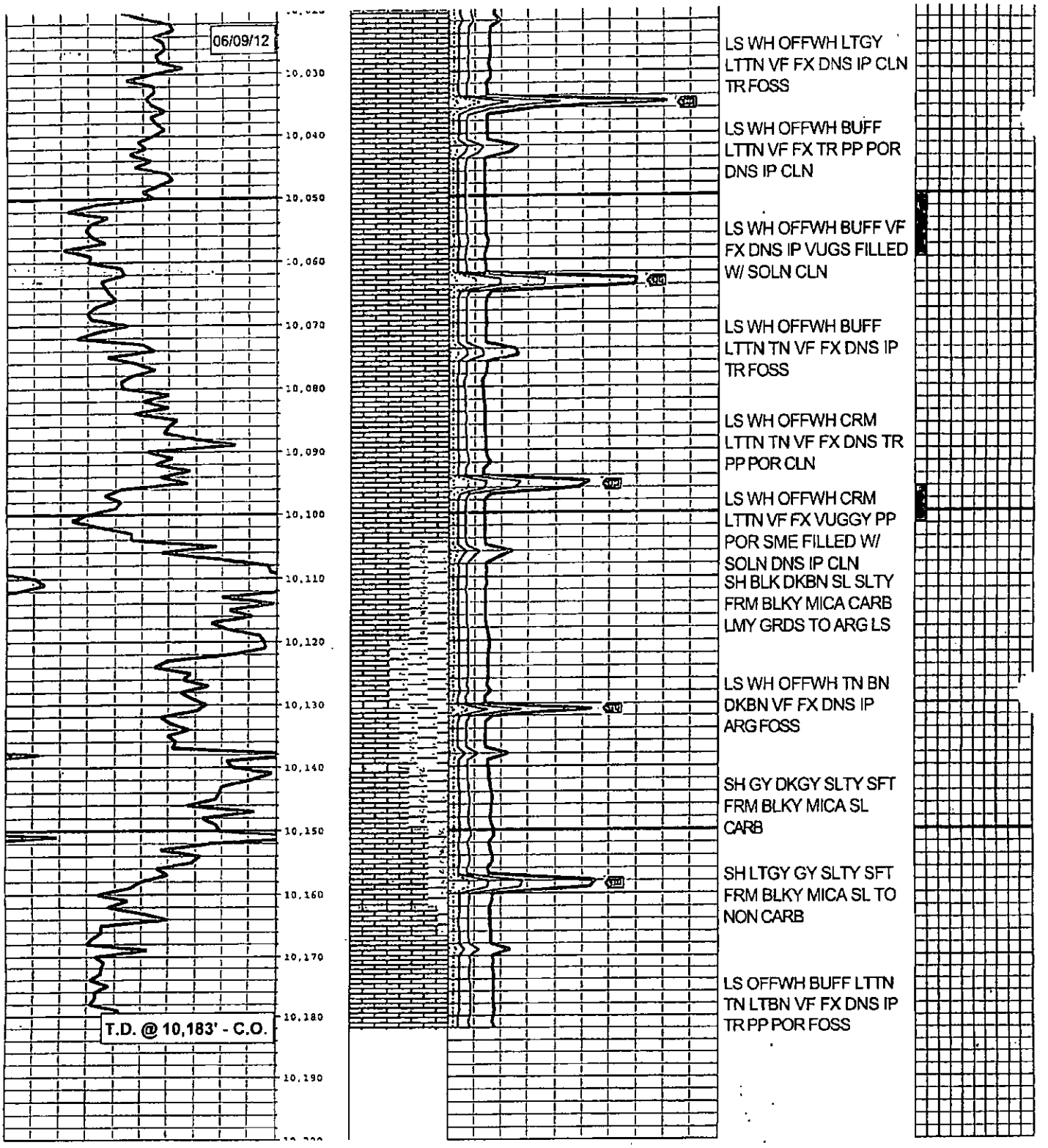
LS WH OFFWH BUFF LTTN LTBN IP VF FX DNS IP CHKY IP CLN
LS WH OFFWH BUFF LTTN VF FX DNS IP CLN NO FLU
LS WH OFFWH BUFF LTTN TN VF FX DNS IP CLN TR FOSS NO FLU
LS WH OFFWH BUFF LTTN VF FX TR VUG DNS IP CLN TR FOSS TR GN FLU NO CUTS
LS WH OFFWH BUFF LTGY VF FX TR PP POR DNS IP CLN TR FOSS
LS WH OFFWH VF FX DNS IP CLN
LS WH OFFWH CRM BUFF LTGY VF FX TR VUG DNS IP CLN



END OF ATTACHMENT B MUDLOG 9000'-TD

Form 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Operator Copy

FORM APPROVED
OMB No 1004-0135
Expires: January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

5. Lease Serial No.
LC 029509BB

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No
N/A

1. Type of Well
☐ Oil Well ☐ Gas Well ☑ Other

8. Well Name and No.
Maljamar AGI#1

2 Name of Operator
Frontier Field Services

9. API Well No
30-025-40420

3a Address
4200 Skelly Dr , St. 700, Tulsa OK 7413N/A5

3b Phone No. *(include area code)*
918-384-8406

10. Field and Pool, or Exploratory Area
Exploratory (Lower Wolfcamp)

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
130' FSL, 1813' FEL Sec 2N/A1, T 17 S, R 32 E, NMPM, Lea Co. NM
Acid Gas Injection Well, Unorthodox Location

11 County or Parish, State
Lea

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other demonstration of no recoverable hydrocarbons
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The above-referenced AGI well (Maljamar AGI #1 ÖAGI # 30-025-40420) was drilled in March-June, 2012 at the approved location pursuant to an approved APD dated 1/3/2012 and NMOCD Order R-13443 The final perforation and completion of the well is scheduled to take place over the next three weeks in September-October, 2012. After the well is perforated it will be tested and a sample of the formation fluid in the injection zone will be collected It is anticipated that injection operations will commence prior to year end.

The summary formation evaluation for the purpose of establishing that the zone is void of recoverable hydrocarbons is included as Attachment A As per your request, we have also included a copy of the log suite that was run across for the well including the mud log (Attachment B). Based on all of the attached Information we are confident you will concur with our assessment that the pore space in the Lower Wolfcamp Formation at this location is wet and completely void of recoverable hydrocarbons

I hereby certify that the analysis of the NMOCD-approved injection zone within the Lower Wolfcamp in this well contains no recoverable hydrocarbons and that completion into this zone for acid gas injection is appropriate and should be permitted.

Operator to provide an analysis of the formation fluids to the BLM.

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Alberto A Gutierrez, RG

Title Consultant to Frontier Field Services, LLC and AkA Energy

Signature

Digitally signed by Alberto A Gutierrez
DN: cn=Alberto A Gutierrez, o=Geolex Inc., ou, email=aag@geolex.com, c=US
Date: 2012.09.24 10:28:56 -06'00'

Date 9/24/12 9/24/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED
SEP 25 2012
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

SEP 26 2012

ATTACHMENT A

EVALUATION OF GEOPHYSICAL LOGS, SIDEWALL CORE AND FORMATION MICROIMAGING RESULTS, AND INJECTION POTENTIALS: AKA ENERGY GROUP MALJAMAR AGI #1

Sec. 21-Twp. 17S-32E

Lea County, New Mexico

Prepared for
AKA Energy Group
Frontier Field Services, LLC

by
Geolex, Inc.
500 Marquette Avenue NW Suite 1350
Albuquerque, NM 87102

August 8, 2012

SUMMARY OF FACTORS TO CONSIDER IN RESERVOIR AND CAP ROCK EVALUATION

- The successful evaluation of reservoir and cap rock characteristics using sidewall cores requires the careful consideerations oof the limitations of the samples obtained since each actual sidewall is only representative of 1- 1 ½ inches of the sampled formation. The overall evaluation of the cap rock and reservoir requires the simultaneous consideration of various data types and sources in order to arrive at a reasonable conceptual model of predicted injection performance. These additional data types are evaluated and considered in this analysis and include the complete geophysical log suite for the well including the triple combo, porosity, resistivity and formation microimager (FMI) logs, mudlogs, drilling condition reports and on-site observations. The overall evaluation and recommendations included herein for completion is the result of the analyses and evaluation of these multiple data types.

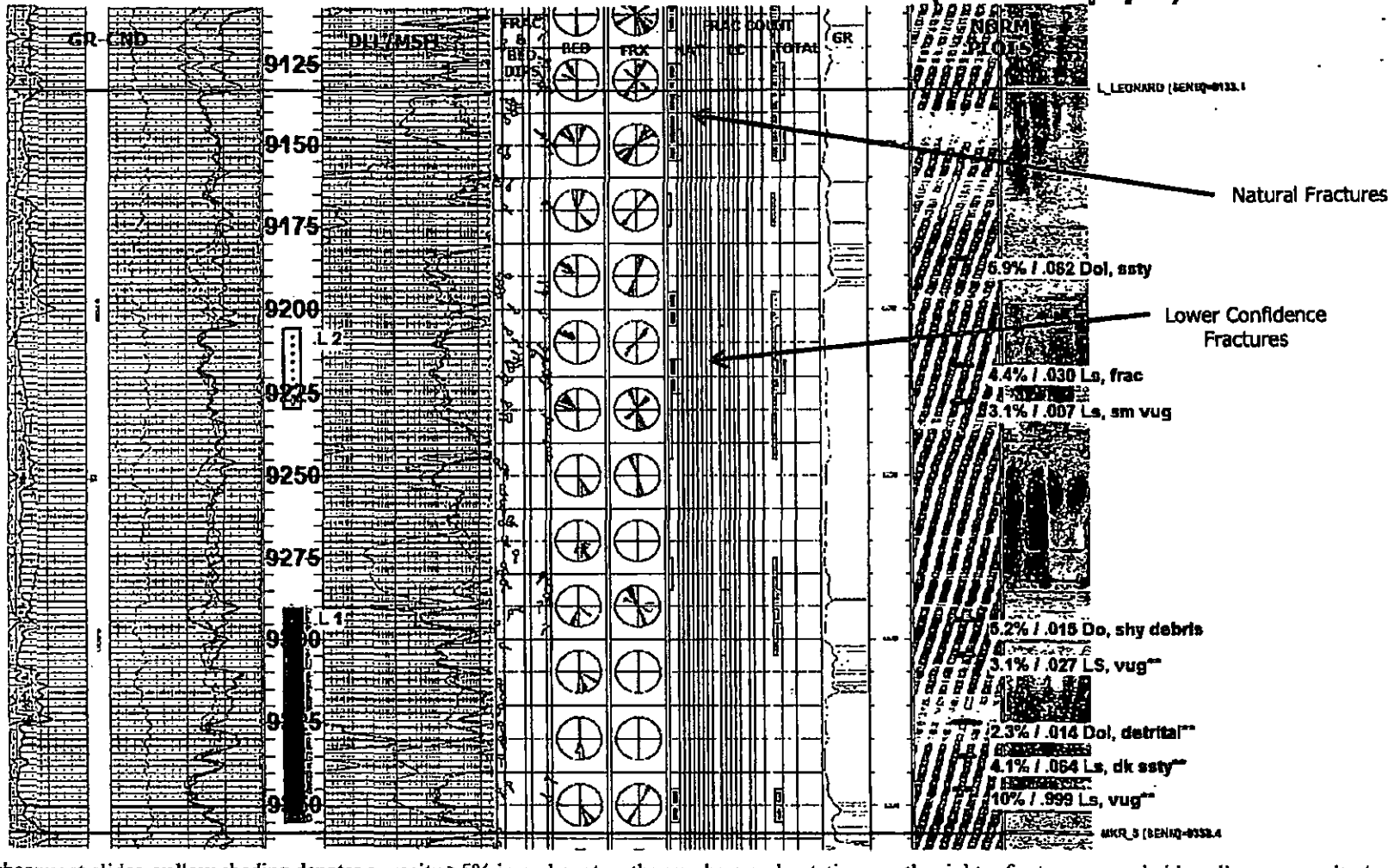
- The facies that were sampled in the lower Leonard to Wolfcamp are dominated by shelf margin detrital carbonates, which are variously composed of lithoclasts and bioclasts in either a carbonate or, more typically, shaley or silty matrix.

- Because of the nature of the facies being sampled, it is not always certain whether the sidewall core has sampled tighter clasts, the matrix, or a combination of both. Some of these detrital carbonates contain lithoclasts that are larger than the size of the sampled core, and porosity is more commonly found in the interparticle matrix.

- Therefore, porosity-permeability measurements of sidewall cores do not always "see" the true parameters of the rock being sampled, and generally result in pessimistically low porosity and permeability measurements when considered in isolation. For this reason it is equally important to consider the corresponding log signatures and drilling notes and experience. In addition, log-indicated porosity may be influenced by the directional nature of some porosity, like isolated vugs or fractures, and may not always read true on a single logging pass. This is aided by the utilization of the FMI log to evaluate strike and dip and fracture orientation.

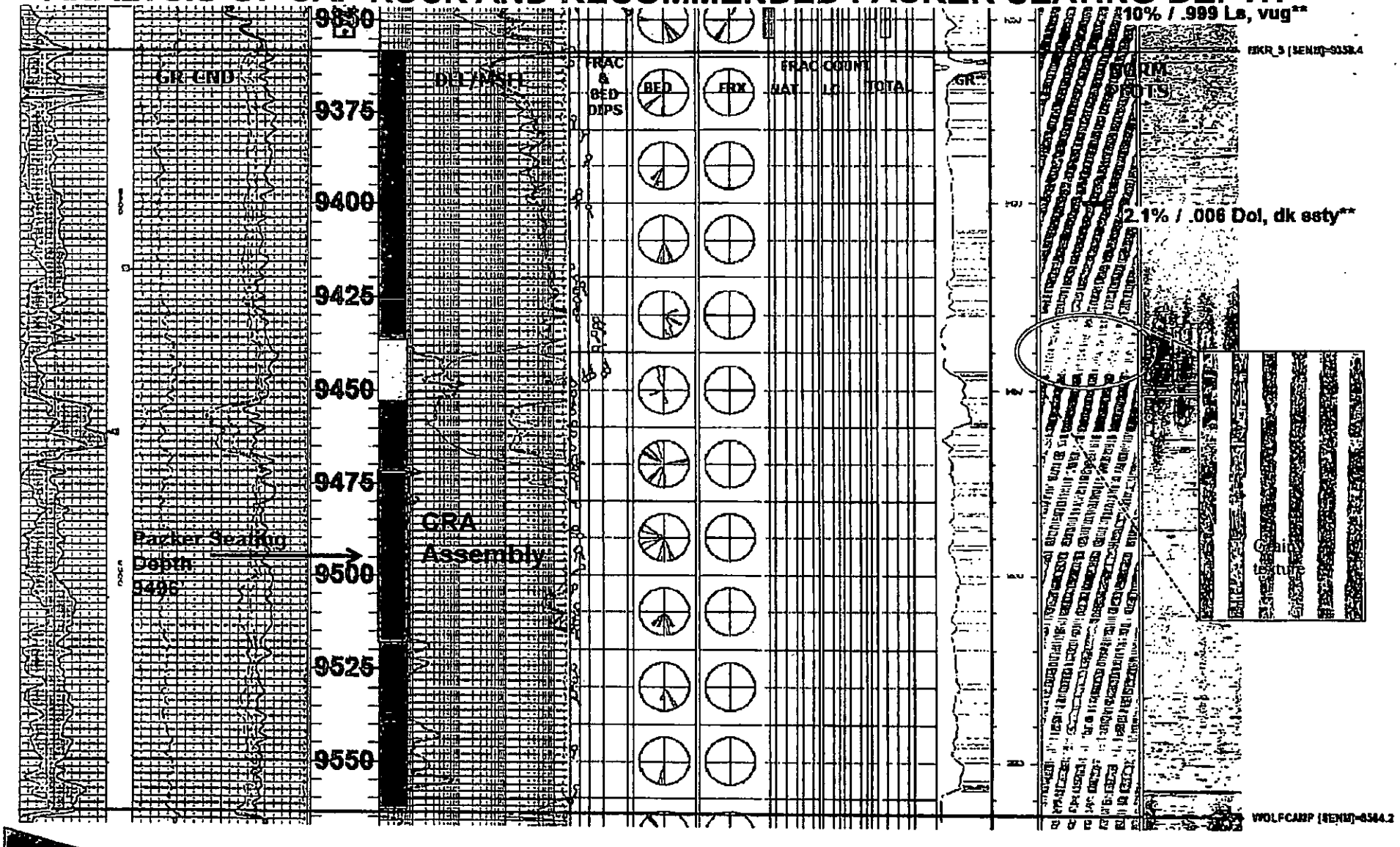
- In the following slides, I have indicated which core samples sampled obvious detrital carbonate, based upon the white and blue-light core photographs, direct examination and (to a lesser extent), the lithologic descriptions provided by Weatherford Labs. It is critical to note that this does not rule out the fact that other cores may include detrital carbonate since any particular sidewall core may have simply sampled only the tighter, clastic fraction of the rock, or perhaps, a locally tighter slope facies. The borehole image processed log is also included on each log composite, to identify major fractured zones. Its value in identifying rock textures is possible in most cases by examining the normalized image tracks.

ANALYSES OF LOWER LEONARD FORMATION (behind pipe)



On this and subsequent slides, yellow shading denotes porosity >5% in carbonates; the numbers and notations on the right refer to measured sidewall core porosity / permeability (% and md, respectively) and a brief lithologic description. Core points with double asterisks calculated Sws of greater than 40%, which is generally considered water productive in this area. The solid blue bars denote the preferred injection intervals. The lower part of the lower Leonard section (L1) reads almost consistently wet, with porosity up to 10%. Anything with porosity over 4% should be adequate for injection purposes. Some of the lower porosity rock may be in the clastic fraction of these detrital carbonates. This portion of the section will be behind pipe and not perforated. The CRA joint was set at 9474' and initial injection intervals will be below this level.

ANALYSIS OF CAP ROCK AND RECOMMENDED PACKER SEATING DEPTH



The intervals indicated by the brown bars appear to be dominated by dark, silty and shaley slope facies, with very low to trace permeability. The green bar denotes a tight lime grainstone, which can be seen on the image plot (green circle) This interval will make an excellent caprock for injection zones below which is why CRA assembly was set here and packer will be set at 9496'.

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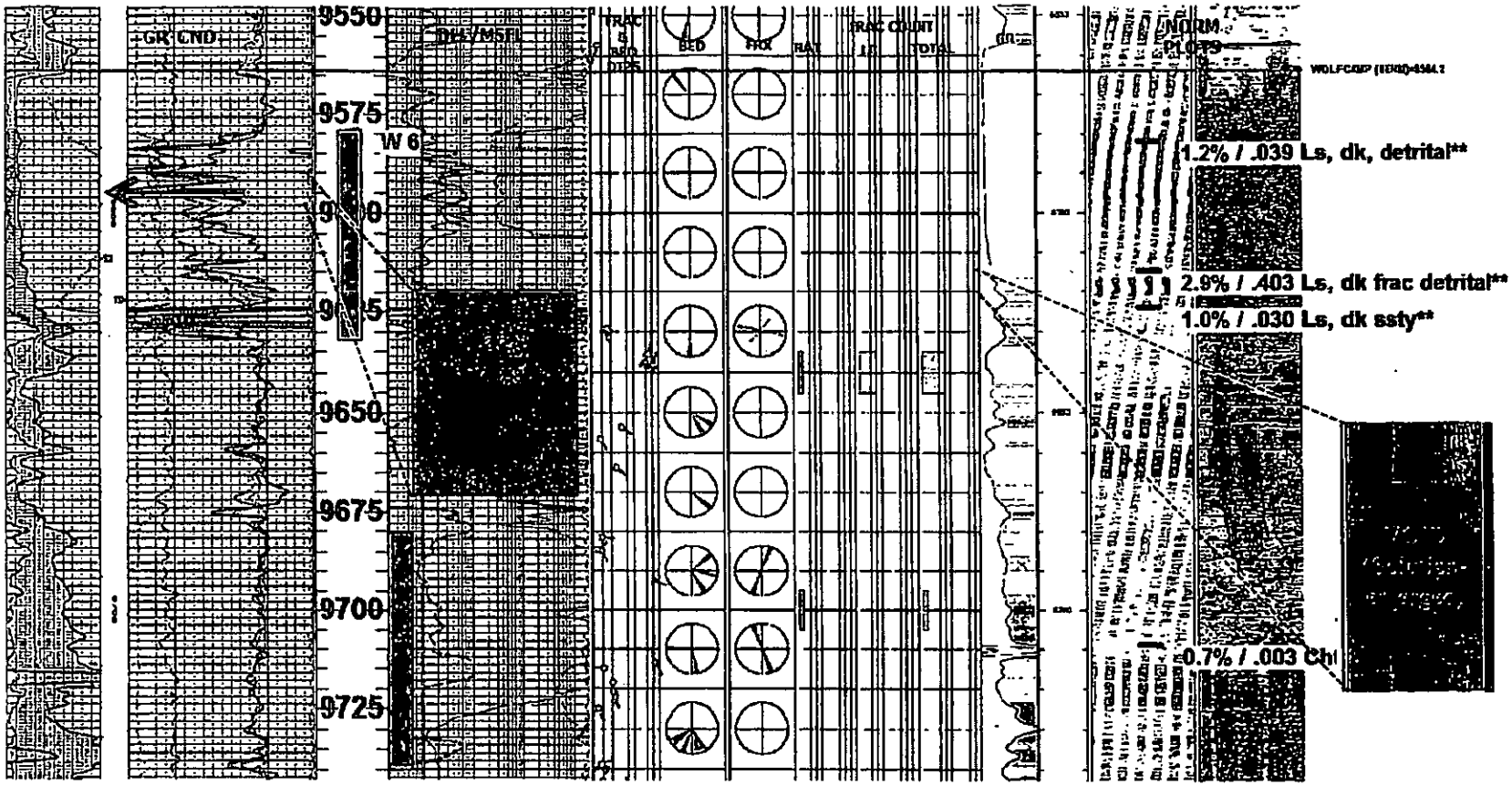
ANALYSIS OF UPPERMOST RECOMMENDED INJECTION ZONE – W 6

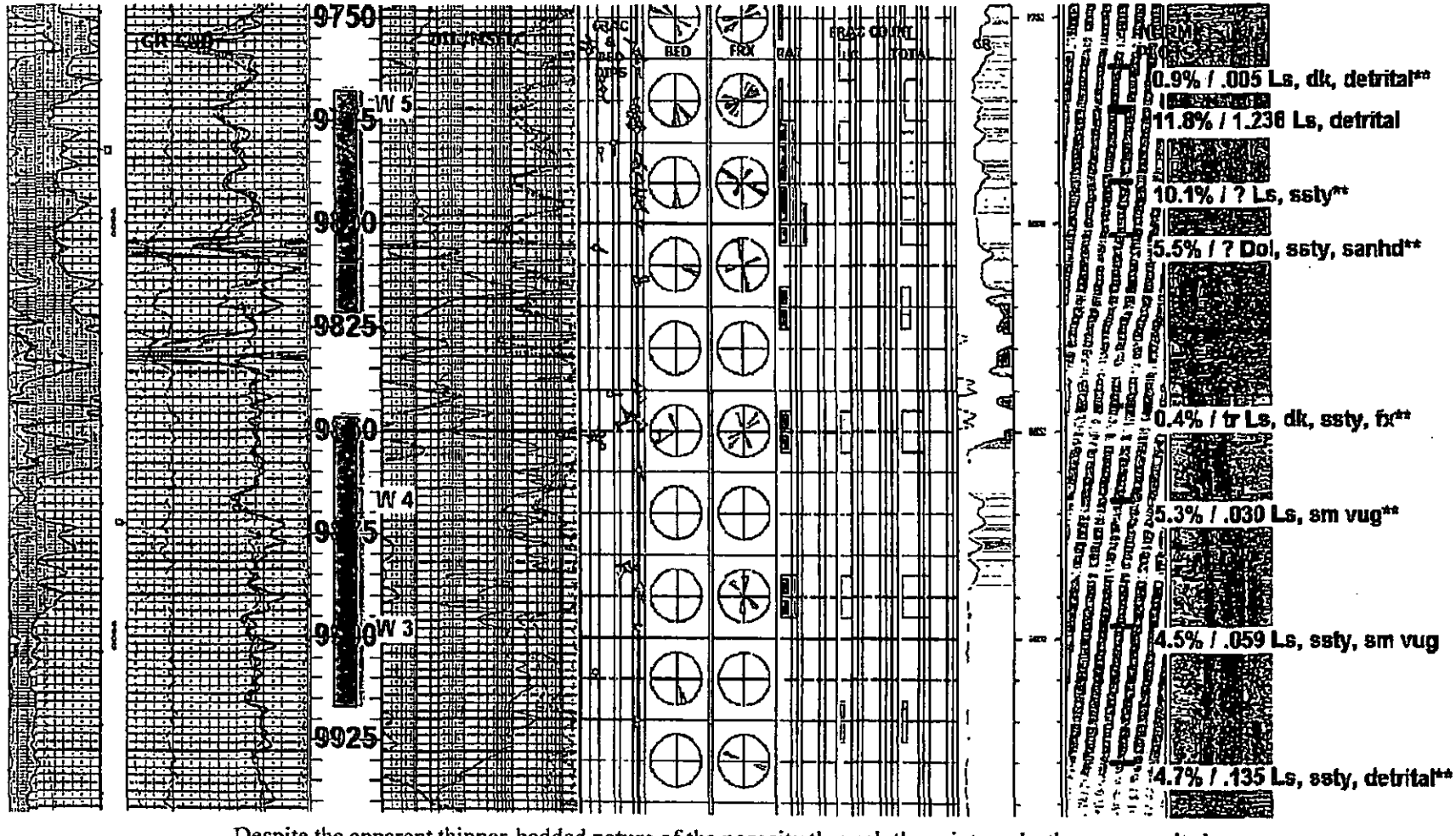


Upper Wolfcamp zone W6 is the uppermost recommended injection zone. This zone was washed out (see caliper log-blue arrow). The FMI image here indicates large voids (black) in the rock which could have caused it to slough. Tracking of the density and neutron curves support that interpretation because a simple washout would not cause the neutron log to go off-scale with the density log. One core sample through this interval recovered fractured (large fracture), detrital carbonate with good permeability, The image log there shows up as a large void, probably a solution-enlarged vug or small sinkhole. All the core samples calculated wet. The cherty zone below (brown bar) represents another caprock interval separating W6 from the underlying Wolfcamp zones.

GEOLEX INCORPORATED

FRONTIER

ANALYSIS OF MIDDLE RECOMMENDED INJECTION ZONES – W 5, W 4 AND W 3



Despite the apparent thinner-bedded nature of the porosity through these intervals, the core results here gave the best, consistent porosity readings over 4%. The FMI shows pervasive fracturing that ties the porous beds together. Zones W5, W4 and W3 should all be perforated by shooting across the entire intervals indicated in blue.

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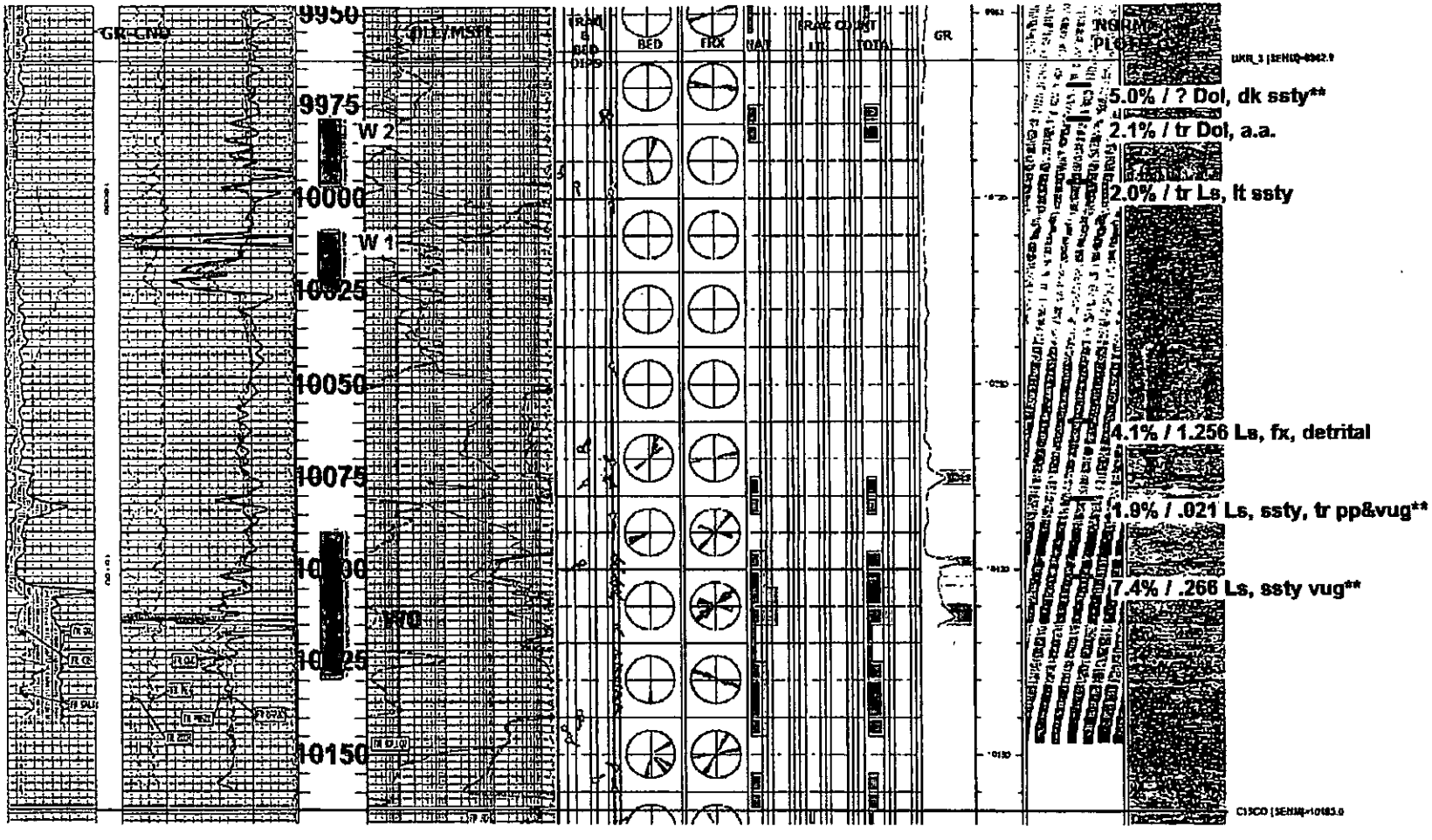
FRONTIER

ANALYSIS OF LOWERMOST RECOMMENDED INJECTION ZONES – W 2, W 1, AND W 0



Similarly, these lower Wolfcamp zones should be perforated across the three intervals with the blue bars. The lowest recommended perforation interval (W0) has been added on the basis of the density of fracturing, and primary porosities in core up to 7.4%. The fractures would serve to effectively inter-connect porosity across the interval.

GEOLEX INCORPORATED

FRONTIER Field Services, LLC

SUMMARY OF RECOMMENDED PERFORATIONS

9579'-9632'	Upper Wolfcamp (W 6); good caprock
9768'-9821'	Middle Wolfcamp (W 5); good fracturing
9850'-9917'	Middle Wolfcamp (W 3, W 4); some fracturing
9979'-9997'	Middle Wolfcamp (W 2); some fracturing
10009'-10025'	Lower Wolfcamp (W 1); good primary porosity
10090'-10130'	Lowest Wolfcamp; (W 0); heavily fractured

All zones perforated 4spf at 90°

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FRONTIER

CONCLUSIONS AND RECOMMENDATIONS

- Sidewall core results are expectedly mixed, but indicate that the predominant facies types over the intervals of interest are detrital carbonates with locally high matrix porosity and permeability and significant fracture porosity and permeability.
- Core measurements, compared with log-indicated porosity and permeability and FMI-measured fractures, indicate the following perforating and testing priority for the various units of the Wolfcamp. The lower Leonard will be left behind pipe as a potential injection zone if needed in the future:

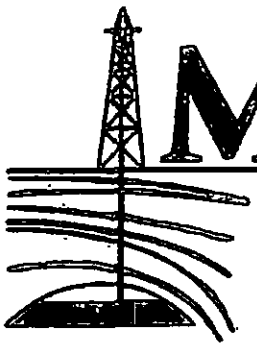
1. The W3 through W5 intervals are the best overall, potential injection zones, and are capped by at least 75-85 feet of tight, shaley and cherty facies.

2. The lower Wolfcamp section, which includes zones W1 and W2 and W 0, could be added to the first intervals, and collectively perforated and tested.

3. Zone W6 is probably a sequence of solution-enlarged porosity, and should be perforated and used even if the first lower Wolfcamp zones test adequately for injection purposes in order to comply with OCD's requirement that the uppermost perforations be no more than 100' below the packer. It is capped by a suitably thick section of tight, shaley and silty carbonates.

END OF ATTACHMENT A

ATTACHMENT B MUDLOG 9000'-TD



McNEESE
FIELD SERVICES, INC.

Office 432-682-0990

Scale: 5" / 100'
Measured Depth Log

Well Name	MALJAMAR AGI #1A		
Location	130' FSL & 1813' FEL, SEC 21, T17S, R32E		
State	NM	**County**	LEA
Country	USA	**Rig**	UNITED DRILLING #41
API Number	30-025-40420		
		Field	WILDCAT
		Drilling Completed	06/09/2012
Ground Elevation	4016'	**K.B. Elevation**	4031'
Logged Interval	5461' To 10183'	**Total Depth**	10183'

Operator

Company PB ENERGY

Geologist

Name TOM SHARP

Company GEOLEX

Other

LOGGER - DJ JONES

JOB #805

djones@mfsinc-us.com
(361)728-4874

Dates Logged:
04/28/12 - 06/09/12

Rock Types

- UNKNOWN
- ANHYDRITE
- GYPSUM
- SALT
- SIDERITE or LIMONITE
- LIMESTONE
- DOLOMITE
- CHERT
- COAL
- MARLSTONE
- CLAYSTONE
- SHALE
- SHALE GRAY
- SHALE COLORED
- SILTSTONE
- SANDSTONE
- CONGLOMERATE
- BRECCIA
- TILL
- BENTONITE
- TUFF
- IGNEOUS
- METAMORPHIC

Accessories

Fossils

- ALGAE
- AMPHIPORA
- BELEMNITE
- BIOCLASTIC
- BRACHOIPOD
- BRYOZOA
- CEPHALOPOD
- CORAL
- CRINOID
- ECHINOID
- FISH
- FORAMINIFERA
- FOSSIL
- GASTROPOD
- OOLITE
- OSTRACOD
- PELECYPOD
- PELLET
- PISOLITE
- PLANT REMAINS
- PLANT SPORES
- SCAPHOPOD
- STROMATOPOROID

Minerals

- ANHYDRITIC
- ARGILLACEOUS
- ARGILLITE GRAIN
- BENTONITE
- BITUMENOUS SUBSTANCE
- BRECCIA FRAGMENTS
- CALCAREOUS
- CARBONACEOUS FLAKES
- CHTDK
- CHTLT
- COAL - THIN BEDS
- DOLOMITIC
- FELDSPAR
- FERRUGINOUS PELLET
- FERRUGINOUS
- GLAUCONITE
- GYPSIFEROUS
- HEAVY MINERAL
- KAOLIN
- MARLSTONE
- MINERAL CRYSTALS
- NODULES
- PHOSPHATE PELLETS
- PYRITE
- SALT CAST
- SANDY
- SILICEOUS
- SILTY
- TUFFACEOUS

Stringer

- ANHYDRITE STRINGER
- BENTONITE STRINGER
- COAL STRINGER
- DOLOMITE STRINGER
- GYPSUM STRINGER
- LIMESTONE STRINGER
- MARLSTONE (CALC) STRG
- MARLSTONE (DOL) STRG
- SANDSTONE STRINGER
- SHALE STRINGER
- SILTSTONE STRINGER

Other Symbols

Oil Show

- DEAD
- EVEN
- QUESTIONABLE
- SPOTTED STAINING

Porosity

- EARTHY
- FENESTRAL
- FRACTURE
- INTERCRYSTALLINE
- INTEROOLITIC
- MOLDIC
- ORGANIC
- PINPOINT
- VUGGY

Engineering

- BIT
- CONNECTION (LEFT)
- CONNECTION (RIGHT)
- CONNECTION GAS
- CORE - LOST
- CORE - RECOVERED
- DST INTERVAL
- FAULT
- FORMATION TOP
- GAS SHOW
- MN DEPTH
- NORMAL FAULT
- OIL SHOW
- OVERTURNED STRATA
- REVERSE FAULT
- SIDEWALL CORE (LEFT)
- SIDEWALL CORE (RIGHT)
- SLIDE
- SURVEY
- TRIP GAS
- WIRELINE TESTED - LEFT
- WIRELINE TESTED - RT

Rounding

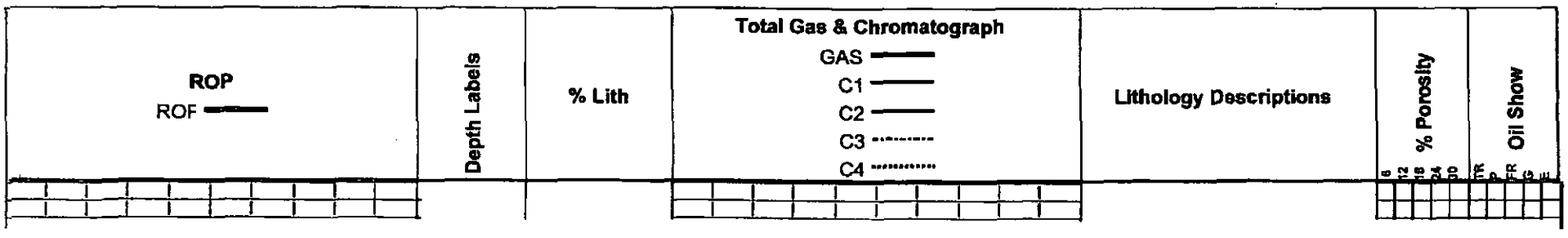
- ANGULAR
- ROUNDED
- SUBANG
- SUBRND

Textures

- BS BOUNDSTONE
- C CHALKY
- CX CRYPTOXLN
- E EARTHY
- FX FINELYXLN
- GS GRAINSTONE
- L LITHOGRAPHIC
- MX MICROXLN
- MS MUDSTONE
- PS PACKSTONE
- WS WACKESTONE

Sorting

- M MODERATE
- P POOR
- W WELL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ROP
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Total Gas & Chromatograph
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C1
C2
C3
C4
Lithology Descriptions
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TR
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FR
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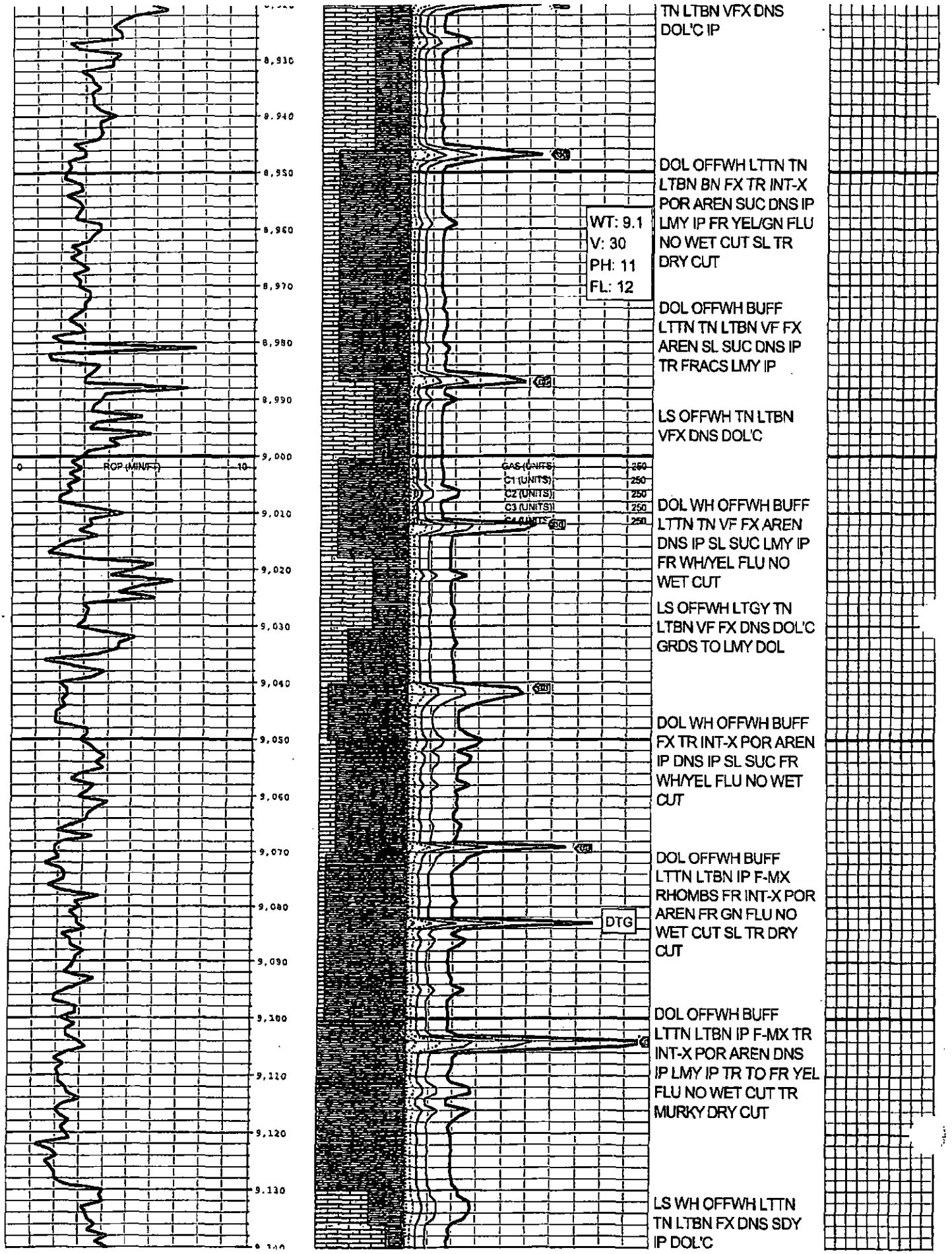
E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GAS (UNITS)
C1 (UNITS)
C2 (UNITS)
C3 (UNITS)
C4 (UNITS)
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V: 30
PH: 11
FL: 12
DTG
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DOL OFFWH LTTN TN LTBN BN FX TR INT-X POR AREN SUC DNS IP LMY IP FR YEL/GN FLU NO WET CUT SL TR DRY CUT
DOL OFFWH BUFF LTTN TN LTBN VF FX AREN SL SUC DNS IP TR FRACS LMY IP
LS OFFWH TN LTBN VFX DNS DOL'C
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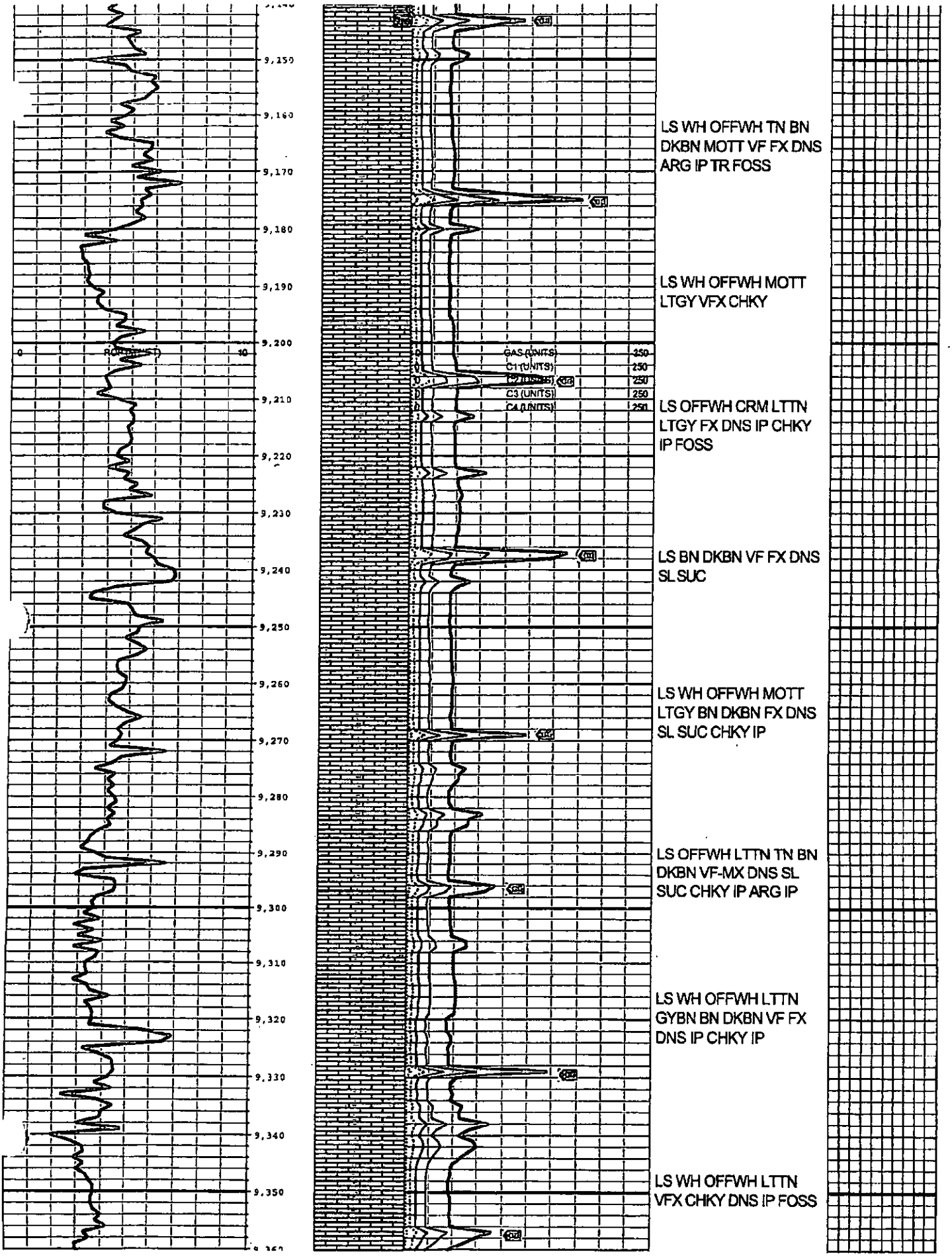
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C2 (UNITS)
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C4 (UNITS)
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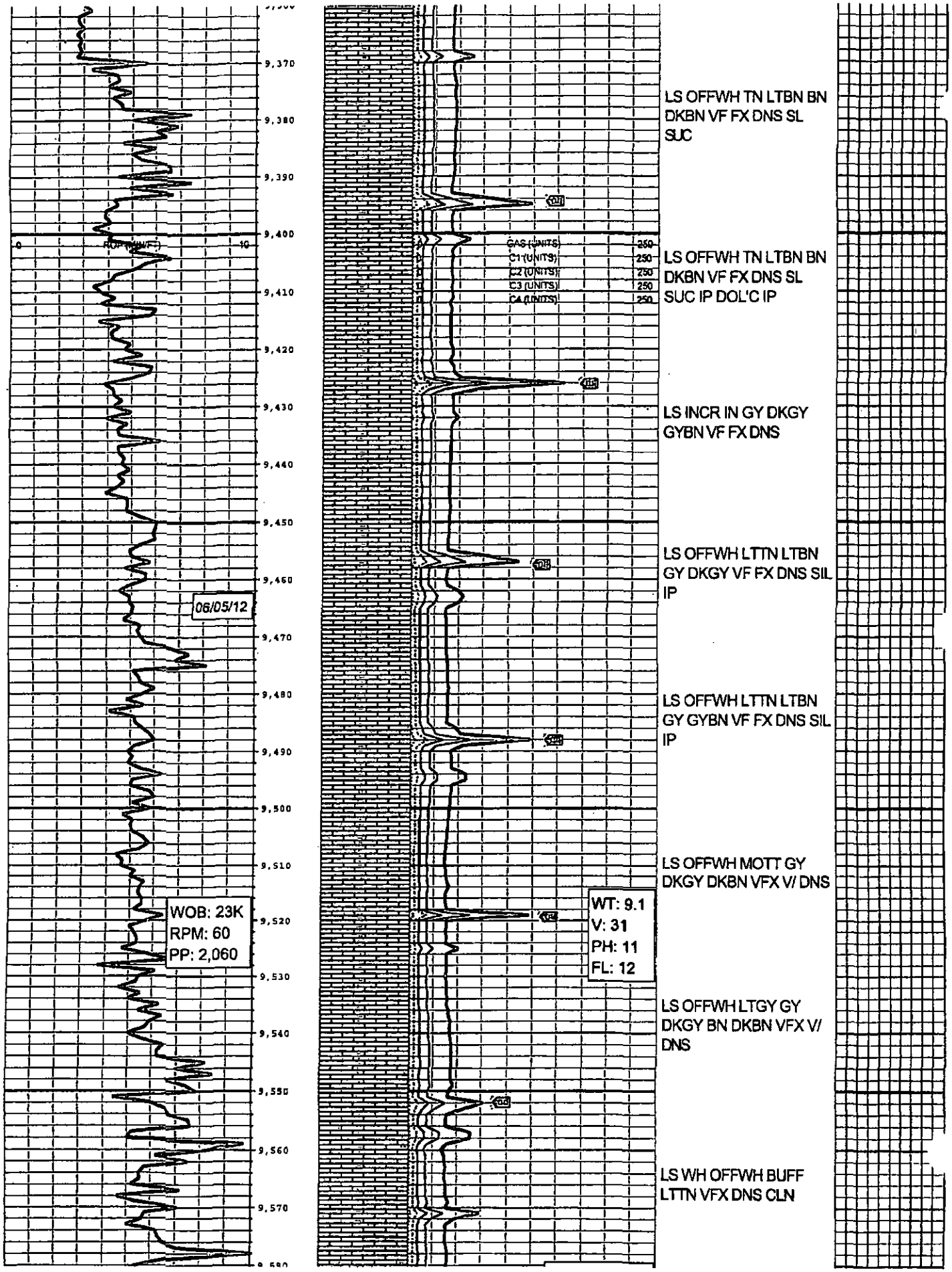
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06/05/12
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RPM: 60
PP: 2,060
GAS (UNITS) 250
C1 (UNITS) 250
C2 (UNITS) 250
C3 (UNITS) 250
C4 (UNITS) 250
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V: 31
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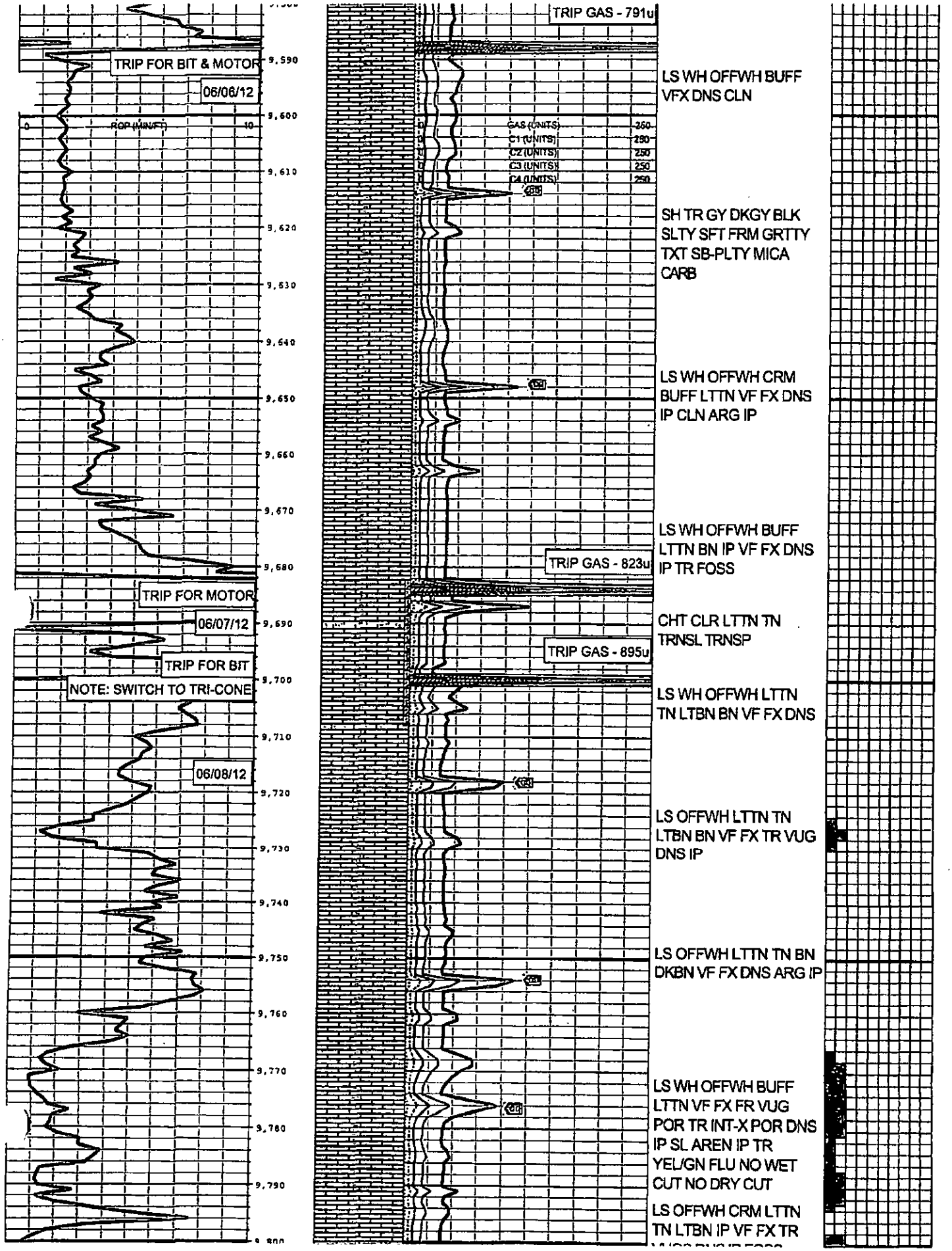
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9,660
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TRIP FOR MOTOR
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TRIP FOR BIT
NOTE: SWITCH TO TRI-CONE
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9,790
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GAS (UNITS)
C1 (UNITS)
C2 (UNITS)
C3 (UNITS)
C4 (UNITS)
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TRIP GAS - 895u
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SH TR GY DKGY BLK SLTY SFT FRM GRTTY TXT SB-PLTY MICA CARB
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CHT CLR LTTN TN TRNSL TRNSP
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LS OFFWH LTTN TN BN DKBN VF FX DNS ARG IP
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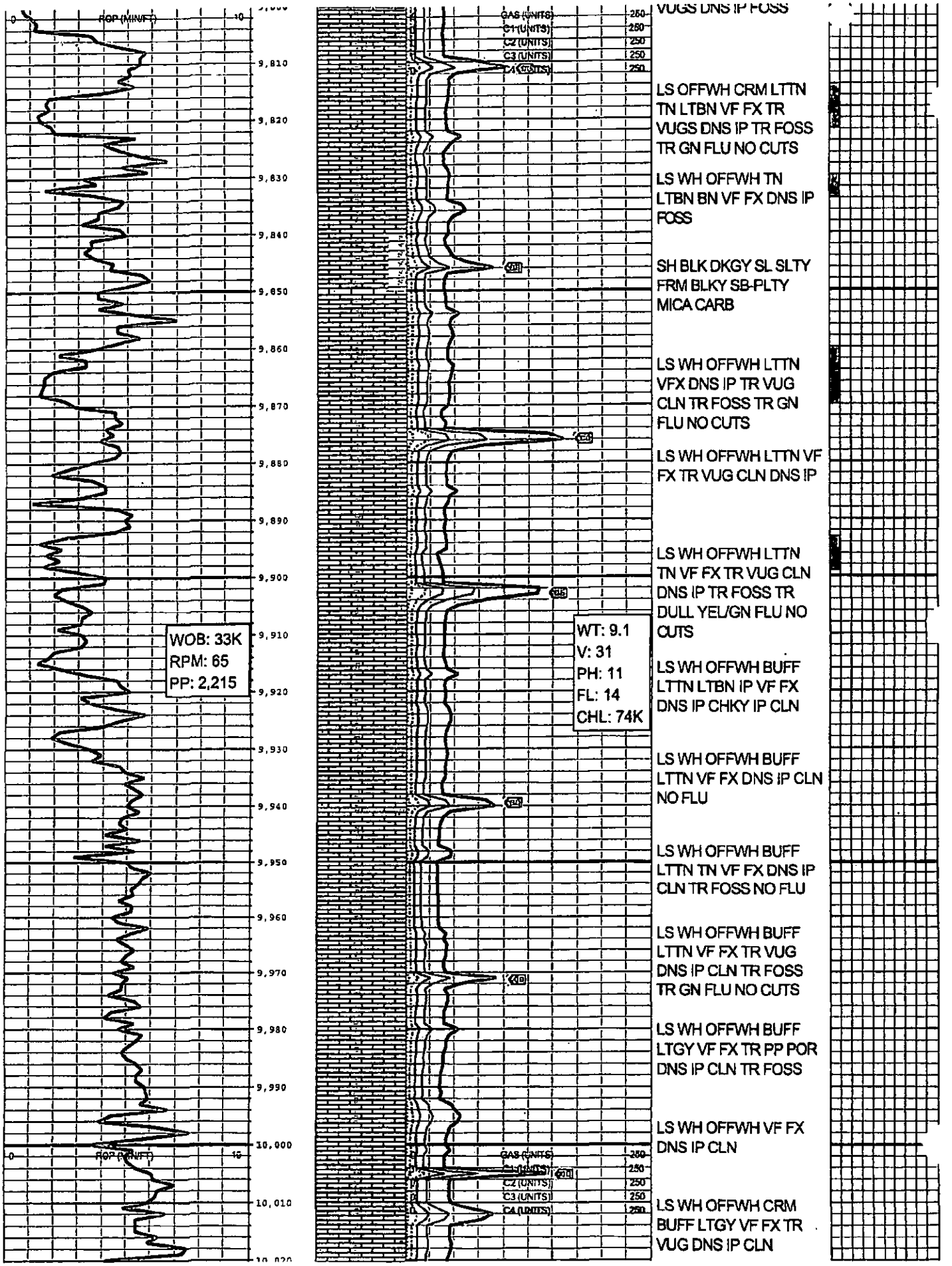
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RPM: 65
PP: 2,215
GAS (UNITS)
C1 (UNITS)
C2 (UNITS)
C3 (UNITS)
C4 (UNITS)
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SH BLK DKGY SL SLTY FRM BLKY SB-PLTY MICA CARB
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LS WH OFFWH BUFF LTTN VF FX DNS IP CLN NO FLU
LS WH OFFWH BUFF LTTN TN VF FX DNS IP CLN TR FOSS NO FLU
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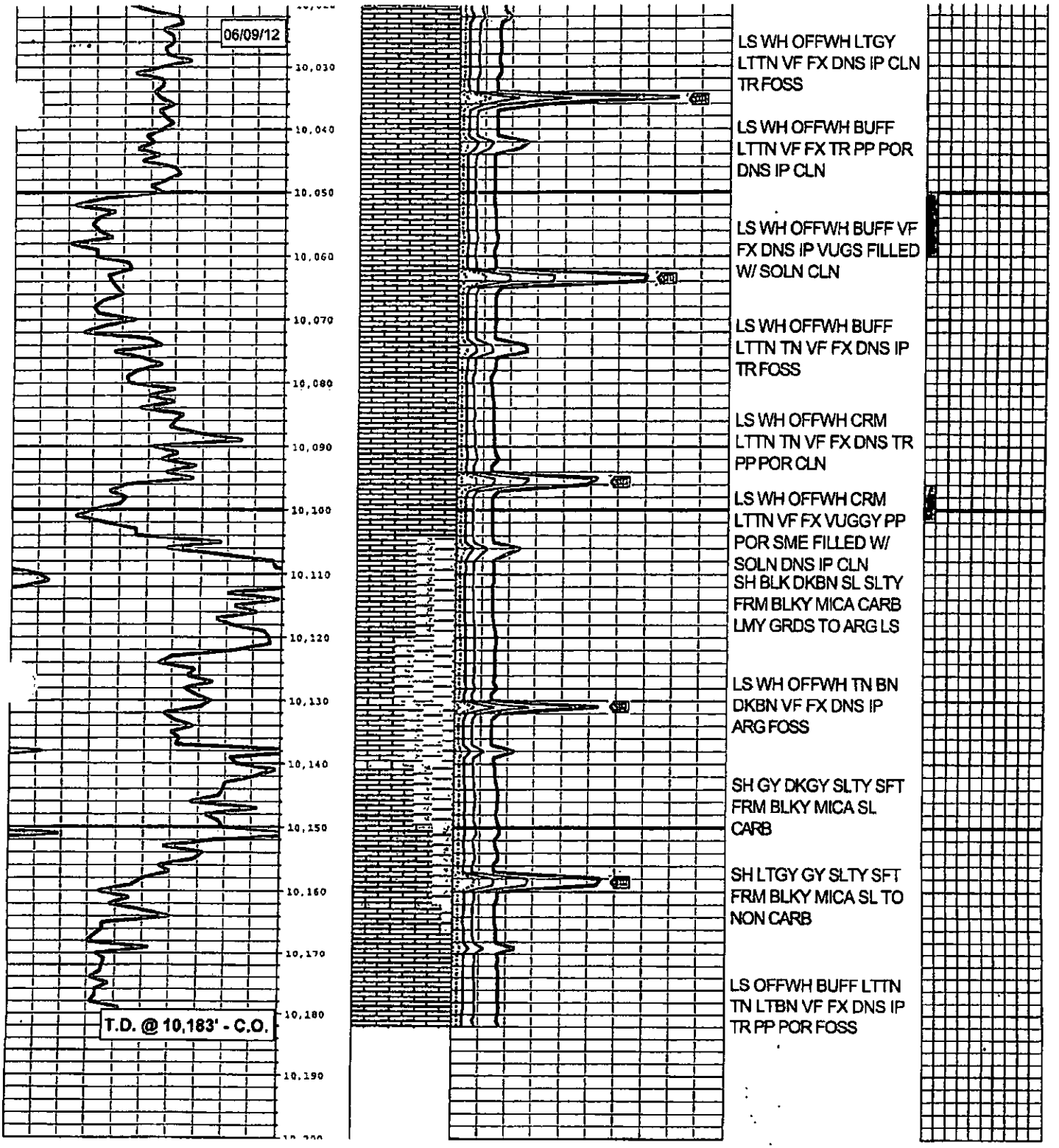

END OF ATTACHMENT B MUDLOG 9000'-TD

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

December 28, 2012

Ed Fernandez
Bureau of Land Management
620 E. Greene St.
Carlsbad, NM 88220

RE: Submittal of Form 3160-4 for Maljamar AGI #1, API # 3002540420

Dear Mr. Fernandez:

Geolex encloses one original and three copies of the above referenced document.

If you have any questions, please don't hesitate to call me, Alberto Gutierrez or Jim Hunter at (505) 842-8000.

Thank you,
Geolex, Inc.

Tom Sharp

Tom Sharp
Geologist

Enclosures

I:\10-014\Drilling Notifications and Forms (BLM&NMOCD)\BLM\3160-4\12-28-12 Transmittal letter.docx

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Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: LC 029509B

1a. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Dry ☑ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: Acid Gas Injection Well

6. If Indian, Allottee or Tribe Name: N/A

7. Unit or CA Agreement Name and No.: N/A

2. Name of Operator: Frontier Field Services, LLC

8. Lease Name and Well No.: Maljamar AGI #1

3. Address: 4200 Skelly Dr. SE. 700, Tulsa, OK 74135

3a. Phone No. *(include area code)*: (918) 492-4450

9. API Well No.: 30-025-40420

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: 130'FSL, 1813' FEL,Sec. 21, T17S, R32E NMPM, Lea Co. NM

At top prod. interval reported below

At total depth

10. Field and Pool or Exploratory: Wolfcamp

11. Sec., T., R., M., on Block and Survey or Area: 130'FSL, 1813' FEL,Sec. 21, T17S, R32E NMPM, Lea Co. NM

12. County or Parish: Lea County

13. State: NM

14. Date Spudded: 03/22/2012

15. Date T.D. Reached: 06/09/2012

16. Date Completed: ☐ D & A ☑ Ready to Prod. 12/10/2012

17. Elevations (DF, RKB, RT, GL)*: 4016 GR,4031 KB

18. Total Depth: MD / TVD 10,183'

19. Plug Back T.D.: MD / TVD 6187' sidetrack

20. Depth Bridge Plug Set: MD / TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Logs have already been submitted to BLM

22. Was well cored? ☐ No ☑ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8"	48#	0'	890'		700 sks		0'	60 bbls return to sur.
12 1/4"	8 5/8"	24#	0'	4200'		1650 sks		0'	200 bbls return to sur.
7 7/8"	5 1/2"	15 1/2#	0'	10,183'		175 sks corrosa			
						246 sks thermal			
						1150 sks lead c			
						200 sks tail halc			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8"	9452'	9452'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wolfcamp-Acid Gas Injection			9570'-9632',9768'-9821',		4 shots/ft	open
B)			9850'-9917',9979'-9997,		4 shots/ft	open
C)			10009'-10130'		4 shots/ft	open
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
9,579'-10,130'	48 bbls 15% HCL, 171 bbls 24% HCL

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*
N/A

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Salado Fm.	0'	1194'	SANDSTONE: red-reddish brn, course to fine		
Yates Fm.	1194'	2134'	SANDSTONE: red-lt tan, coarse to f grained, hard		
7 Rivers Fm.	2134'	3103'	SANDSTONE: red-lt tan, coarse to f grained, hard		
Queen Fm.	3103'	3464'	SANDSTONE: gray-dk gray-reddish brn, f grained, hard		
Grayburg Fm.	3464'	3858'	GRAINSTONE: drk gray, very fine grained		
San Andres Fm.	3858'	5444'	DOLOMITE: offwhite, v fine grained, dense-v dense		
Glorieta Fm.	5444'	6227'	DOLOMITE: offwhite-buff-lt tan, v fn gm, dense, tr vugs,		
Paddock Fm.	6227'	6963'	DOLOMITE: offwhite-buff-lt tan, v fn gm, dense, tr vugs, limey IP		
Tubb Fm.	6963'	7594'	DOLOMITE:offwhite-buff-lt tan,v fn gm, sl limey. Grd to limestone		
Abo Fm.	7594'	9564'	interbedded dolomite, limestone, and shale		
Wolfcamp Fm.	9564'	10165'	LIMESTONE: offwhite-buff-lt tan, v fn gm, dense, thin shale interbeds		
Cisco Fm.	10165'	10193'	LIMESTONE: offwhite-buff, vfn, dense, trace fossils		

32. Additional remarks (include plugging procedure):

Data and reports have already been submitted to BLM.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Alberto A. Gutierrez Title Consultant to Frontier Field Services, LLC

Signature Date 12/28/12

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

INSTRUCTIONS

GENERAL: This form is designed for submitting a complete and correct well completion/recompletion report and log on all types of wells on Federal and Indian leases to a Federal agency, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal office. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, and all types electric), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal laws and regulations. All attachments should be listed on this form, see item 33.
ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal office for specific instructions.
ITEM 17: Indicate which reported elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
ITEM 23: Show how reported top(s) of cement were determined, i.e. circulated (CIR), or calculated (CAL), or cement bond log (CBL), or temperature survey (TS).

NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48 (d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. et seq.; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is to be used to evaluate the actual operations performed in the drilling, completing and testing of a well on a Federal or Indian lease.
ROUTINE USES: (1) Evaluate the equipment and procedures used during the drilling and completing/recompleting of a well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.
EFFECT OF NOT PROVIDING INFORMATION: Filing of this report and disclosure of the information is mandatory once a well drilled on a Federal or Indian lease is completed/recompleted.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling and completing/recompleting wells on Federal and Indian oil and gas leases.
This information will be used to analyze operations and to compare equipment and procedures actually used with those proposed and approved.
Response to this request is mandatory only if the operator elects to initiate drilling and completing/recompleting operations on an oil and gas lease.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.