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November 8, 2010

Alberto A. Gutiérrez, C.P.G.

Mr. William Jones
Engineering and Geological Services Bureau
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

VIA FEDERAL EXPRESS

RE: Application and Notice of Hearing of Targa Midstream Services Limited Partnership as operator for Versado Gas Processors, LLC ("Targa") for approval to inject acid gas, into a recompletion of Targa's existing Eunice Gas Plant Salt Water Disposal (SWD) Well No. 1 (API No. 30-025-21497) **NMOCD Case Number 14575**

Dear Will:

Enclosed you will find two (2) hard copies of the application for Targa's recompletion of its existing well referenced above to a combined AGI/SWD well and one (1) CD with a pdf file of the document. We discussed this plan and approach with you at our meeting of October 8th in your offices and have incorporated the various suggestions and agreements reached during and in our communications after the meeting including the plugback recompletion of the only nearby Langlie-Mattix well (operated as an injection well by Legacy) that we discussed and a more extensive discussion of the modeling of injection effects in the reservoir. In addition, we have adopted the entire list of notices requested by you and Gail in her forwarding of your email to us on October 19th. All of those individual notices along with copies of the application are being sent via certified mail tomorrow. We are confident that the proposed project is a safe, technically-sound and environmentally-beneficial project in that it permanently sequesters significant CO_2 and reduces SO_2 emissions associated with SRU operation.

We have also incorporated your legal and technical staff comments on the specific language in the notice letter and the legal notice (copies of both are included in Appendix D of the C-108 Application). A copy of each specific notice letter and the associated certified mail and return receipts will be assembled as an exhibit for the hearing on this case which has been scheduled for the 16th of December, 2010. We look forward to working with the Division and have endeavored to supply all the necessary information and details to review, analyze and approve the proposed project.

Please confirm your receipt of our application and approval of the language in the legal notice so we can make sure to publish it at least 20 days prior to the hearing, as required. If you have any questions regarding the enclosed application, please call (505-842-8000) or email me (aag@geolex.com) directly and I will address them.

Kind Regards,
Geolex, Inc.®

Alberto A. Gutiérrez, CPG
Consultant to Targa Midstream Services Limited Partnership

AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS
CERTIFICATE NUMBER
6421
AIPG
ALBERTO A. GUTIERREZ
CERTIFIED PROFESSIONAL GEOLOGIST

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Enclosure:
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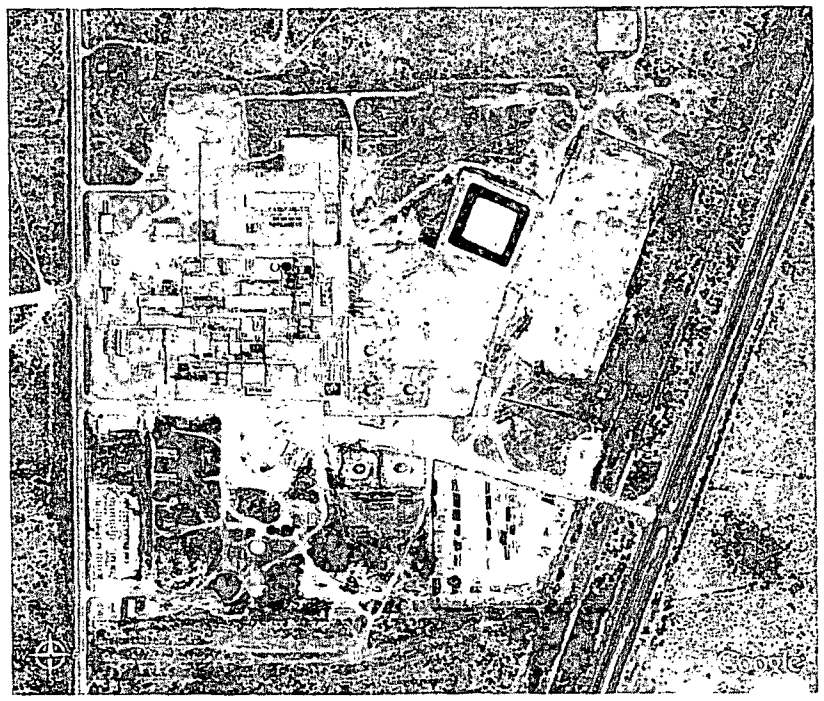
TARGA

C-108 Application for Authorization to Inject via a Recompletion of API #3002521497 From SWD to Combined AGI/SWD Service Targa South Eunice Gas Plant Lea County, New Mexico



November 9, 2010

Prepared For:
Targa Midstream Services Limited Partnership
1000 Louisiana #4300
Houston TX 77002

Submitted To:
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Prepared By:
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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: The proposed acid gas injection/salt water disposal (AGI/SWD) well will be used for disposal of acid gas, non-hazardous wastewater and produced water. The well will be a recompletion of an existing SWD (API# 3002521497) on the property, and the recompleted well will receive the wastewater from the Middle and South Plants in addition to the proposed treated acid gas (TAG) stream.

II. OPERATOR:

Targa Midstream Services Limited Partnership as operator for Versado Gas Processors, LLC
Eunice Plant
PO Box 1909
Eunice, NM 88231
575.394.2534
Control Room Ext. 242
24 hour Emergency 575.391.6030

Contact Party:
Area Manager: Gary Maricle
Office 575.394.2534 x226
Cell 575-602-6005

III. WELL DATA:
Available information on registered wells within 2 miles of the existing SWD well (API# 3002521497) is included in Section 5.0. A schematic of the proposed recompletion of the SWD as a combined AGI/SWD well is included as Figure 3 and discussed in Section 3.0.

IV. IS THIS AN EXPANSION OF AN EXISTING PROJECT?

This is not an expansion of an existing project; however, this is an application to recomplete the existing SWD (API# 3002521497) on the South Eunice Plant into a combined AGI/SWD well, which was the subject of NMOCD Administrative Order SWD-1161.

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.

Appendix C contains a summary table and a map showing the locations of all known wells within 2 miles of the proposed AGI/SWD well.
The locations of all wells within the 1-mile area of review of the proposed injection well are provided in the Section 5.0. Figure 6 shows all wells within one mile of the proposed AGI/SWD.

Lists of, and maps showing, locations of adjacent unitized areas, leases, and data on surface owners, residents and other potentially interested parties within the area of review are included in Appendix 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.

The tabulation of the available public data on wells within the 1-mile area of review is presented in Table 4 and plugging diagrams for wells penetrating the San Andres within the half-mile radius and other associated well plugging data are provided in Appendix C.

VII. ATTACH DATA ON THE PROPOSED OPERATION, INCLUDING:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

1. Proposed injection volume is a maximum of 2500 barrels per day of acid gas. Additional injection of produced water and non-hazardous wastewater will range up to 1575 barrels per day, for a total injection volume of up to 4075 barrels per day. Details of injection volumes and injection pressures are discussed in Section 3.1.
2. At the San Andres Formation the system is closed. Additional geological data for the area of the proposed injection well is described in Section 4.0
3. The proposed maximum injection pressure is 1292 psi, and pressure calculations are provided in Table 1 and Section 3.1. At the depth of the proposed injection zone (4250 to 4950 feet), the lithostatic pressure is approximately 4250 to 4950 psi, preventing any potential for fracturing.
4. The acid gas stream is composed of approximately 83.8% Carbon Dioxide, 14.5% Hydrogen Sulfide, and traces (1.7%) of methane, nitrogen and hydrocarbons. This acid gas stream is compressed and mixed with produced water and wastewater prior to injection. This mixed stream comprises the total injection fluids. Representative analyses of the acid gases and the wastewater are included in Appendix A.
5. Formation waters in the proposed zone (San Andres) were researched from available regional data. These analyses show that the formation waters have Total Dissolved Solids (TDS) ranging from 10,000 to 400,000 parts per million (ppm), with an average TDS of 80,000 ppm. The data are included in 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.

The general Stratigraphy in the vicinity of the proposed well is summarized as:

Unit	From (feet)	To (feet)	Thickness (feet)
Sand & Redbeds	0	1138	1138
Anhydrite	1138	1226	88
Salt	1226	2611	1385
Yates	2611	2880	269
Queen	2880	3416	536
Grayburg	3416	3692	276
San Andres	3962	4950	988
Glorieta	4950	5080	130
Paddock	5080	5450	370
Blinebry	5450	6610	1160
Abo	6610	7230	620
Montoya	7230	8016	786
Granite Wash	8016		

The injection target zone for the proposed well is:

Geological Name: San Andres
Lithologies: Dolomite and Limestone
Thickness: Approximately 1000'
Depths: 4250' to 4950'

The geometry of the overlying formations and the San Andres are discussed in Section 4.0, and the regional stratigraphy is shown in Figure 2. A cross-section of the proposed injection area is presented in Figure 8. In this area, the San Andres is capped by the low-permeability beds of the Grayburg Formation above, and by dolomite and evaporite facies in the lower San Andres.

As part of our geological analysis of the site, we have researched the available net porosity for the San Andres zone. As shown in Sections 4.2 and 4.3, and in Figures 9 and 10, we have determined that there are approximately 70 feet of total net porosity (700' injection interval with average 10% porosity) in the San Andres Zone.

Based on the maximum requested injection volumes described in Section 3.1, and a conservative effective net porosity of 70 feet, we calculated that there will be a maximum use of approximately 130 acres at the maximum projected injection rate of 4075 barrels per day. Calculations are included in Section 4.3. The calculated radius of injection, after 30 years, will be approximately 0.254 miles around the proposed AGI/SWD well.

These calculated acreages are shown in Figures 11 and 12. As shown in Section 4.2 and Figure 9, the porosity trend is localized and trends approximately North 10 West. For this reason, we have included in a map (Figure 12) showing the same maximum extent of injected fluid (30 years, 4075 barrels per day) of 130 acres in an ellipse parallel with the porosity trend.

The only significant drinking water aquifer is in the surficial, alluvial deposits of the Ogallala Formation. This unit is locally 100 to 200 feet thick, and the unconfined aquifer in this formation is encountered at 40 to 80 feet below the surface and cased off with surface casing of the SWD well. The identified wells in the one mile area of the proposed AGI/SWD well are identified in Section 4.5, detailed in Table 2, and shown in Figure 13. Analyses of drinking water samples from a representative water well (section 22, T22S, R37E) are included in Table 3. These analyses show that the Total Dissolved Solids (TDS) for the analyzed drinking water ranged from 694 to 756 milligrams per liter.

IX. DESCRIBE THE PROPOSED STIMULATION PROGRAM, IF ANY.

Stimulation programs, if necessary, will be evaluated following drilling, logging and testing. Some acidizing is routinely done after drilling prior to injection to clean up the hole.

*X. ATTACH APPROPRIATE LOGGING AND TEST DATA ON THE WELL. (IF WELL LOGS HAVE BEEN FILED WITH THE DIVISION, THEY NEED NOT BE RESUBMITTED).

The currently permitted salt water disposal well (API 3002521497; 1200 FWL, 2580 FSL, Section 27, 22S, 37E) exists on the property and is currently used as a salt water disposal well by the applicant. This well will be recompleted from its current depth of 4550 feet to a new depth of 4950 feet, and additional 5 ½" casing will be installed from the surface to 4250 feet, leaving an open-hole injection zone from 4250 to 4950 feet. The proposed recompletion is discussed in Section 3.2 and summarized in Figure 3. A detailed drilling plan is included in Appendix B

*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.

The identified wells in the one mile area of the proposed AGI are identified in Section 4.5, detailed in Table 2, and shown in Figure 13. Analyses of drinking water samples from a representative water well (section 22, T22S, R37E) are included in Table 3. These analyses show that the Total Dissolved Solids for the analyzed drinking water ranged from 694 to 756 milligrams per liter.

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.

We have analyzed the available geological and engineering data and affirm that there are no open faults or other hydrogeological connections between the proposed injection zone(s) and the known sources of drinking water (see Sections 4.0 and 5.0).

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

Notices are being prepared for adjacent operators, surface owners and tenants, and a public notice for interested parties will be published in Lea County, New Mexico. Copies of all certified notices are provided in Appendix D. Return Receipt from notices and copies of the publication affidavits will be submitted upon receipt.

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, CPG TITLE: Consultant to Targa Midstream Services, Limited Partnership.

SIGNATURE: _____ DATE: 11/8/2010

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: N/A

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

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1.0 EXECUTIVE SUMMARY

On behalf of, Targa Midstream Services Limited Partnership (Targa), as operator for Versado Gas Processors, LLC, Geolex®, Inc. (Geolex) has prepared and is hereby submitting a complete C-108 application for approval to recomplete an existing saltwater injection well (SWD) and operate it as a combined acid gas, produced water injection and CO_2 sequestration well. This recompletion was previously approved by NMOCD via Orders R-12809, R-12809A, and SWD-1161. This SWD (API #30-025-21497) is located 1,200 feet from the west line and 2,580 feet from the south line, Unit L of Section 27, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico on the Targa South Eunice Gas Plant. This plant is located approximately five miles south of Eunice (Figure 1).

The Targa AGI/SWD #1 is anticipated to be recompleted (or plugged back) to a total depth of approximately 4,950 feet at the base of the San Andres Formation. The proposed injection zone will be contained within the San Andres Formation. Analysis of the reservoir characteristics of the San Andres in this area confirms that it is an excellent closed-system reservoir that will accommodate the future needs of Targa for disposal of acid gas, wastewater and sequestration of CO_2. Targa needs to inject a maximum of 2,500 bbls/d of treated acid gas (TAG) in conjunction with a maximum of 1,575 bbls/d of produced water/wastewater for a total injection volume of up to 4,075 bbls/d of fluid for approximately 30 years (totaling approximately 44,651,812 bbls.). Geologic studies conducted for the selection of this location and the site-specific formation injection data demonstrate that the proposed injection zone is readily capable of accepting and containing the proposed total volume of acid gas, produced water/wastewater and CO_2 injection volumes within NMOCD's required maximum injection pressures.

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 zone (San Andres Formation);
- The past and current uses of the San Andres Formation;
- Total feet of net porosity in the proposed injection zone;
- The stratigraphic and structural setting of the San Andres relative to any nearby active San Andres wells;
- The identification of and sample notification letter that will be sent to all surface owners and residents within a one mile radius of the proposed injection well;
- The identification of all wells and of all operators within a one mile radius of the proposed injection well;
- Identification and characterization of all plugged wells within a one mile radius of the proposed injection well, including plugging diagrams of all plugged wells within a half mile radius;
- The details of the proposed injection operation, including 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 proposed recompletion of the Langlie-Mattix Penrose Sand Unit 25-002 Well operated by Legacy Reserves Operating, LP (API #30-025-10499) to assure that any potential communication with the top of the San Andres Formation is properly sealed off.
- A 30-year life for the permit allowing for renewal and extension of the permit after 30 years until the maximum aggregate permitted injection volume has been injected (44,651,812 bbls.).
- A revised Rule 11 Plan for the facility to accommodate the proposed changes in operation was submitted by Targa to NMOCD on October 8, 2010

Based upon this detailed evaluation, as summarized in this application, Targa has determined that the proposed injection well is a safe and environmentally-sound project for the disposal of acid gas and produced water/wastewater. Furthermore, the project provides additional environmental benefit by permanently sequestering a significant volume of CO_2 which would otherwise continue to be released to the atmosphere through the operation of the existing sulfur reduction unit (SRU) at the Middle Eunice Plant as well as reducing $S0_2$ emissions.

The South Eunice Gas Processing Plant is situated in the Permian Basin, on the northwestern flank of a basement-controlled structural high known as the Central Platform. The site is underlain by Holocene alluvial and aeolian deposits and the Tertiary Ogallala Formation that rest on the redbeds and sandstones of the Triassic Dockum Formation (Figure 2). Beneath the Dockum beds lie approximately 1500 feet of anhydrite and salt in the Ochoan Permian Salado and Castile formations. The shallowest production is encountered in the sub-salt Permian Artesia Group, including the Tansill, Yates, Seven Rivers, Queen and Grayburg formations. Production in this zone is restricted to the Seven Rivers and Queen formations, locally designated as the Langlie-Mattix zone.

The primary identified AGI/SWD target is the San Andres Formation, a thick (approximately 1,000 feet) deposit of Permian-Age dolomitic carbonate that was deposited in shallow marine environments, found at approximate depths of from 3900 to 5000 feet below surface. The San Andres is capped from overlying zones by the relatively impermeable lower Grayburg Formation. The San Andres is closed vertically at the base by a lower facies of low-permeability dolomite and anhydrite. Below the San Andres lies approximately 200 feet of calcareous sand in the Glorieta Formation. This unit is not productive in this area.

Only to the northeast of the proposed AGI/SWD well is any production found in the deeper Permian Leonardian series, including the locally-named Abo, Drinkard and Blinebry zones. These units produce from depths of 6500 to 7000 feet, well below the San Andres. Deeper production is also found in the Silurian Fussleman, and in the Ordovician Montoya Formation, approximately 0.87 miles northeast of the proposed AGI/SWD well.

We have reviewed the well logs, well tests, and production and injection records from the current SWD well and other local wells completed in the San Andres to determine the porosity, permeability and injection suitability of the San Andres in the area of the Targa plant. Based on these data, we have concluded that the San Andres provides ample porosity, permeability and volume to serve Targa's injection needs.

All operators of active wells within one mile, surface owners of lands within one mile, all known residents and businesses located or having facilities within one mile, the State Land Office, the US BLM, and any municipalities within five miles, including the town of Eunice have been provided notice of this application at least 30 days prior to the NMOCD hearing pursuant to NMOCD requirements. Furthermore, a legal notice of the hearing date will be published twenty (20) days prior to the hearing in the Hobbs Daily News Sun.

In summary, via this C-108 application, Targa requests the following:

- Modifications in the design of Targa's existing SWD well (30-025-21497) to increase the depth from 4550 feet to 4950 feet, and to modify the well's completion to reflect best practices in AGI/SWD construction with an injection zone from 4250'to 4950'
- Operate the redesigned well at a maximum well head pressure of 1292 psi and a maximum injection volume of 4075 barrels per day of combined acid gas and wastewater/produced water
- Obtain an operating permit allowing for either 30 years of operation or until the maximum aggregate permitted injection volume has been injected (44,651,812 bbls), whichever is later.

Based on discussions with NMOCD Targa hereby recommends the following additional conditions to obtain approval for the project:

- Implementing an NMOCD-approved remedial action for the Legacy Resources Operating LC Langlie-Mattix Penrose Sand Unit 25-002 (3002410499), to address the potential for migration from the original plug set in the well from 3692 feet to total depth of 4066 feet by re-plugging that interval consistent with current NMOCD-approved procedures
- Re-drilling and recompletion of the existing SWD as a combined AGI/SWD pursuant to NMOCD's order
- Safe and efficient operation and maintenance of the new AGI/SWD well pursuant to NMOCD requirements
- Correct and timely monthly reporting of volumes injected to NMOCD via online forms C-115.

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 document 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), and

In addition, this application includes the following supporting information:

- Appendix A: San Andres Formation Fluid Analysis and Injection Fluid Analyses,
- Appendix B: Detailed Proposed Design for Modifications of the AGI/SWD Well
- Appendix C: Plugging Diagrams and Well Data for Wells Within One Mile of the AGI/SWD Well
- Appendix D: Identification of Lessees, Surface Owners and other Interested Parties for Notices; Copies of Notice Letters and Certified Mail Receipts; Copy of Draft Public Notice for Hearing
- Appendix E: Rule 11 Plan Submitted October 8, 2010

This application has been assigned NMOCD Case Number 14575 and is titled "Application of Targa Midstream Services Limited Partnership as operator for Versado Gas Processors, LLC ("Targa") for approval to inject acid gas". This application is scheduled to be the subject of a NM Oil Conservation Commission Hearing on December 9, 2010 at 9:00 am.

3.0 PROPOSED CONSTRUCTION AND OPERATION OF TARGA AGI/SWD WELL

The existing SWD well, which will be recompleted as a combined AGI/SWD well, is located 1,200 feet from the west line and 2,580 feet from the south line, Unit L of Section 27, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico on the Targa South Eunice Gas Plant site. Figure 1 shows the location of the well that was previously approved for a recompletion as a combined AGI/SWD well. As was approved in SWD-1161, Targa proposes that the well will be deepened from the original depth of 4450 feet to 4950 feet, and 51/2 -inch casing will be installed from the surface to 4250 feet, below the existing 7-inch casing which extends to 4010 feet.

3.1 PRESSURE AND VOLUME CALCULATIONS

The well will be designed and constructed such that it will serve as the injection conduit for a mixed stream of TAG (up to 2500 barrels per day) and produced water (up to 1575 barrels per day), totaling a maximum volume of 4075 barrels of combined fluid per day. The TAG stream (see Table 1 and Appendix A for detailed analyses) will be approximately of the following composition:

- 83.8% CO_2
- 14.5% H_2S
- 1.7% Trace Components of $C_1 - C_7$

The specific gravity of acid gas injection fluids is highly dependent on the temperature and pressure conditions and the composition of the fluid mixture. It is most accurately calculated using a modification of the Peng-Robinson (PR) equation of state (EOS) model (Boyle and Carroll, 2002). We have calculated the specific gravities of the TAG condensate and the aqueous phases for the proposed Targa injection stream using the AQUAlibrium 3.1 software which employs the modified PR EOS model. In all models, the TAG was assumed to have a composition of 83.8 mol % CO^2 and 14.5 mol % H_2S (the remaining fraction includes C_1-C_7; inclusion of this fraction into the calculations results in small variations on the order of several %). The specific gravities were determined for the conditions at the compressor outlet (pressure = 1482 psi, temperature = 100°F - 135°F – depending on ambient temperature) at the well head (pressure = 1292 psi, temperature = 100°F-135°F), at the bottom of the well (pressure = 2439 psi, temperature = 100°F-135°F); and in equilibrium with the reservoir (pressure = 2439 psi, temperature = 135°F). In the determination of specific gravity we used the 100°F temperature in order to be conservative on the maximum allowable pressure determination since specific gravity increases with decreasing temperature. The specific gravities determined were then used in calculations of maximum injection pressure and injection volume (see Table 1).

The calculated maximum allowable injection pressure would be approximately 1292 psi (depending on specific gravity of final TAG stream). We have used the following method approved by NMOCD to calculate the preliminary proposed maximum injection pressure. The final maximum permitted surface injection pressure should be based on the final specific gravity of the injection stream according to the following formula:

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

and $PG = 0.2 + 0.433\ (1.04 - SG_{bif})$ where: SG_{bif} = specific gravity of blended injection fluid at the well head.

In order to calculate the maximum requested injection volume, well specifications and calculations of the fluid specific gravity show that:

$$SG_{bif} = 0.80$$
$$D_{top} = 4250 \text{ feet}$$

Therefore:

$$PG = 0.2 + 0.433\ (1.04 - 0.80) = 0.304 \text{ psi/ft}$$

$$IP_{max} = PG(D_{top}) = 0.304(4250) = 1292 \text{ psi}$$

Based on the performance of the existing injection well, it is anticipated that the average injection pressure would not exceed 1292 psi at the well head. Based on the above calculations, Targa is requesting approval of a maximum injection pressure to be 1292 psi at the surface.

3.2 PROPOSED WELL RECOMPLETION

A detailed prognosis for the AGI/SWD well recompletion is included in Appendix B, and the existing and proposed well configurations are shown in Figure 3a and 3b, respectively.

The existing well is cased to 300 feet with 10 ¾" surface casing, to 4010 feet with 8 ¾" casing, and extends as an open hole to a total depth of 4550 feet. The current injection string includes 3 ½" internally plastic coated tubing, completed with a Halliburton R-4 packer at 3814 feet.

The proposed recompletion will begin by setting up the rig (using a closed-loop drilling system), installing and testing BOPs, and removing the existing packer and tubing. After installing a new, corrosive-resistant well head, a casing scraper will be run into the original casing to 3950 feet.

The drilling contractor will then rig up with a 6 ¼" bit and drill to the proposed new depth of 4950 feet, condition the hole, and prepare to install the new 5 ½" casing to 4250 feet. The borehole will remain open from approximately 4250 to 4950 feet (TD). The casing will include a corrosion-resistant alloy section from approximately 4190 to 4210 feet, to receive the new packer at approximately 4205 feet.

The 5 ½" casing will be cemented to the surface in a two-stage process, using Halliburton CorrosaCem – TL, designed for acidic environments. Following a minimum of 24 hours for the cement to set, the casing will be pressure tested at 1500 psi to the diverter valve (at approximately 4000 feet). After verification, the diverter valve will be drilled out, and the lower cement drilled out to above the shoe joint (at approximately 4250 feet) and again pressure tested at 1500 psi.

After final verification, the remaining cement and the float collar will be drilled out, and the well will be circulated and cleaned out to total depth with 10 % acetic acid. A final check will include running Cement Bond Logs (CBL) from the bottom of the 5 ½" to the surface. If the cement job passes, the

Halliburton Incoly 725 permanent packer will be installed at approximately 4205 feet, and connected with 2 7/8" fiberglass-lined tubing. A subsurface safety valve will also be installed at a depth of approximately 250 feet, with controls at the surface.

Finally, the BOP will be removed and the corrosion-resistant "Christmas tree" valve assembly will be attached to the well head (Appendix B). The final completion documentation (C-105s) and sundry notices and associated documentation (C-103s) will be provided to NMOCD as required for review and approval. After NMOCD approval, the well will be connected to the surface compression equipment and begin operation.

3.3 SURFACE EQUIPMENT

Figure 4 is a schematic diagram of the equipment used to collect, compress and mix the injection fluids. Treated acid gas (TAG) delivered from the pipeline from the Middle Eunice Gas Plant will be fed to a compressor, that will raise the pressure to approximately 1480 psi and cool the TAG to approximately 100° - 135° F. The TAG will then flow to a mixing chamber where it will combine with the wastewater stream. Prior to being conveyed to the well head, a pressure control system will assure that the final pressure does not exceed the approved maximum injection pressure of 1292 psi.

4.0 REGIONAL AND LOCAL GEOLOGY AND HYDROGEOLOGY

4.1 GENERAL GEOLOGIC SETTING

The overall regional model (Figure 5) shows that the South Eunice plant is located on the northwestern corner of the Central Basin Platform of the Permian Basin. In this geological setting, lower to upper Permian strata lie upon a truncated lower Paleozoic surface. Truncation of the older beds by erosion occurred during the emergence of the Central Basin Platform as a structural entity. This emergence took place along a series of down-to-basin faults to all sides of the Platform. Beneath the study area, lower Permian Abo carbonates sit directly upon Devonian (Woodford) and older beds. The lower Paleozoic beds are at depths averaging about 7400-7600 feet and deeper below the surface in the vicinity of the plant. This portion of Lea County has had oil and gas production dating back to the 1930s, and has and is still producing from a variety of formations, including the Abo, Blinebry/Tubb/Drinkard, Queen and Seven Rivers.

A map of all wells within the one mile area of review (Figure 6) shows that the Seven Rivers-Queen (Langlie-Mattix) interval is the primary and major significant oil-producing zone, but some production to the northeast has been established in the underlying Yeso intervals, as well as in deeper (Blinebry/Tubb/Drinkard) zones. The closest of these wells are two wells located at approximately ½ mile from the proposed AGI/SWD (Santa Rita 002 and Santa Rita 012). Some Langlie-Mattix wells in this area have been plugged and either no longer produce, or have been converted to water injection (for secondary recovery projects in the Queen) or disposal wells.

Wells that produce from the lower Paleozoic zones (Figure 7) are concentrated approximately one mile to the northeast of the proposed AGI/SWD. These deeper zones are not feasible for a possible AGI, due to their established production in the vicinity of the Targa plant. For these reasons, we eliminated the sub San Andres zones from consideration, and focused on the San Andres, which is non-productive in this part of the study area, and which provides the best porosity section. The remaining discussion focuses on the San Andres as the selected formation for acid gas injection at this site

4.2 DETAILED SITE GEOLOGY

Figure 8 is a cross-section that illustrates the structure and stratigraphy in the study area. All of the units of interest in this area are very uniform in thickness, have very gentle dips, and there is no evidence of faults, folds or other structures in this area. The primary producing zones in the area are the Queen-Seven Rivers (Langlie-Mattix) and Glorieta-Yeso (Blinebry), as well as underlying Abo horizons to the west (not shown here). The cross-section incorporates wells in the study area that were perforated in the San Andres either for production or salt water disposal. Most of the wells in the study area that tested the San Andres are now plugged, but three wells continue to be used for water disposal purposes. These wells (shown in Figure 7) include the A.L. Christmas 001, the Christmas 003, and the existing Targa SWD #1 (also shown on the cross-section, Figure 8).

The San Andres in the study area is composed of approximately 1000 feet of dolomitic carbonate that was deposited in shallow water environments. These carbonates are very porous in the study area, and porosity is primarily filled with saline formation water.

Porosity is present throughout the San Andres Formation, and is particularly persistent in the upper half, although the lower half of the formation is more porous just east of the plant. Most of this porosity is/was

water-filled, and the upper half of the formation has been used for produced water disposal. The Eunice GP SWD #1, on the plant site, is used for disposal of produced water and remediation system water.

Figure 9 shows the porosity trends in the San Andres, superimposed on the well base map. We used calibrated porosity logs (e.g., density-neutron, sidewall neutron, density, sonic) where available. Contours were drawn assuming a N10W strike, which approximates regional depositional and diagenetic (porosity-forming) trends for this area.

This analysis shows pronounced porosity development along a north-trending fairway within and just east of the plant site, and extending in both directions through and beyond the study area. The pronounced porosity trend reflects the influence of persistent porosity development in both the upper and lower San Andres.

In their evaluation of the original C-108 for the Targa AGI, NMOCD notes (in Order R-12809) that:

> "Division records show that the Eunice Gas Plant SWD well No. 1 (API 30-025-26947) was drilled for the purpose of injection and was permitted (prior to the well's completion) on September 21, 1961 for injection into an open hole within the upper San Andres Formation from approximately 3935 to 4000 feet (SW-29). The well was actually completed as an open hole injection well from 4010 to 4550 feet. Injection records indicate that the well has a very high capacity to take water, and the operator was still reporting substantial injection volumes as of June 2007. In 1983 a pump-in injection test reached a rate of 10 barrels per minute at a bottom hole pressure of 3000 psi without showing any apparent evidence of fracturing."

The San Andres is the best formation in the area that has enough net "pay" section and continuity to easily accept the expected AGI volumes and will only affect a small area. The proposed well would be ideally situated to take optimum advantage of the porosity section present in the San Andres and is nearby the existing well on the plant site.

4.3 LITHOLOGIC AND RESERVOIR CHARACTERISTICS OF THE SAN ANDRES

As seen in Figure 9, and using analysis of logs from an adjacent well (Figure 10), it is apparent that there is approximately 700 feet of porous San Andres in the proposed injection interval. Based on a conservative average porosity of 10-11%, we calculate that at least 70 feet of net porosity will be available for injection. This is based on interpretations of porosity logs in various adjacent San Andres wells and the porosity characteristics of the mixed dolomites and limestones that comprise the proposed injection zone.

Review of the injection history of two existing SWD wells completed in the San Andres, within one mile of the Targa AGI, shows that the Christmas 003 well has received approximately 375,000 barrels of water from 2007 through 2009, and the A. L. Christmas 001 has received approximately 96,000 barrels over the same period. This performance shows that the San Andres has good injectability in this area.

We have analyzed the expected "footprint" of the injected fluid from the AGI/SWD well over the anticipated injection period of approximately 30 years. These analyses focus on the displacement of existing formation fluid. While it is clear that at the displacement front there will be interaction between the injected gas/water mixture with the formation fluid, this chemical diffusion is significantly slower than the dominant advective movement of the combined acid gas and water stream which is injected into the AGI/SWD well. The radius of the reservoir affected by this volume of injection over the entire 30

years of injection is approximately 0.254 miles, which lies well inside the ½ mile radius of the proposed AGI/SWD well. The calculations of the area and the volume of the reservoir to be impacted by the 30-year period of injection are based on the assumptions that:

- If, in the most simple case, the distribution of the porosity in the reservoir is essentially homogeneous and isotropic, i.e, there are no preferential locations or directions in the reservoir, then the injected fluids will migrate smoothly and symmetrically as a circle from the injection zone (Figure 11),
- Since porosity trends in the injection zone of the San Andres in this area are well-documented (Figure 9) the preferential elongation of the injection plume along these trends will occur and can be simulated by extending the radius of influence along this trend and shortening it perpendicular to the trend (as shown in Figure 12). Therefore, this migration trend will most likely cover an ellipse with essentially the same volume of formation fluid displacement as the circle,
- The upper seal (lower Grayburg) and lower seal (lower evaporitic facies of the San Andres) are effectively impermeable at the distances and time scale of the injection process, and that there are no known faults or fractures or evidence to indicate that these seal rocks are in any way compromised,
- The injected fluid will largely effectively displace formation fluids, and that the mixing zone between the injection fluid and the formation fluids will be relatively limited in size, and
- Any chemical reactions between the acidic injection fluids and the carbonate rocks of the reservoir will further result in an overall smaller area of impact due to increased porosity over time due to the effect of dissolution.

These analyses begin by determining the amount of injection fluid to be introduced in the formation over the life of the project. We begin with the maximum expected fluid at the surface (4075 BBLS/Day) and then calculate the equilibrium volume in the reservoir (Table 1) to be 5543 BBLS/Day. The 30-year total volume is then calculated as:

(5543 BBLS/Day) x (5.61 cu. ft./BBL) x (365.25 days/year) x (30 years) = 396,044,484 cubic feet

The net porosity is calculated from the known thickness of the injection zone (700 feet) and the average porosity of that zone (10%) (see Figure 10):

(4950'-4250') = 700' x 0.10 = 70 feet net porosity

The net area consumed is then calculated by dividing the total volume from the net porosity:

(396,044,484 cubic feet)/ (70 feet net porosity) = 5,657,778 square feet

The net area in acres is calculated by the net area by the area of an acre:

(5,657,778 square feet)/(43560 square feet/Acre) = 130 Acres

Finally, the radius of the expected area is calculated by assuming that the impacted area is circular, and the radius is calculated as:

Radius = Square Root (5,657,778 square feet/π) = 1,342 feet = 0.254 mile

The effect of the porosity trend results in an extension of the affected area of the reservoir parallel to the trend and a shortening perpendicular to the trend. Based on the variability of the porosity shown in

Figure 9, the calculated volume of affected reservoir and area are modified in approximately with a 2:1 ratio (Figure 12).

Figure 11 shows the area of injection in the highest volume (4,075 barrels per day) calculated in the area summary. Based on the 30-year total injection volume, the radius of influence is approximately 0.254 mile, covering approximately 130 acres.

Figure 12 shows the same calculated injection area, extended and orientated to follow the porosity trend shown in Figure 9. This illustrates that the injected fluid is expected to follow the northwest-southeast porosity trend, restricting the affected San Andres to areas even further away from the deeper production (and San Andres-penetrating wells) to the northeast of the AGI/SWD well location. As seen in Figure 7, the nearest wells penetrating the San Andres are Santa Rita 002 and Santa Rita 012, to the northeast of the AGI. Even after 30 years of operation at the maximum permitted rate, the area affected by injection is not likely to reach the cased San Andres interval of these wells with either the radial or even more so with the preferential porosity model (Figures 11 and 12).

Summary of Calculations of Reservoir Areas Affected by Injection	
Barrels per Day at Wellhead	4,075
Barrels per Day in Reservoir	5,543
Cubic Feet/Day (5.61 Cubic Feet per Barrel)	36,144
Cubic Feet/Year (365.24 Days)	13,201,235
Cubic Feet in 30 Years	396,044,484
Effective Porosity in Feet = 70 feet	70
Net Area Consumed (Sq. Ft.)	5,657,778
Net Area in Acres (43560 Sq. Ft./Acre)	130
Radius in feet (R = Square Root of (Area/pi)	**1,342**
Radius in Miles	**0.254**

4.4 FORMATION FLUID CHEMISTRY

Although there are no published formation fluid analyses for wells in the immediate area of the Targa AGI, a study by the Texas Water Development Board (Robert E. Mace, et. al, Report 366, April 2006) shows that fluids in the San Andres exhibit total dissolved solids ranging from 10,000 mg/l to 400,000 mg/l, with an average value of 82,000 mg/l. Values of pH range from 6 to 9, and the waters' constituents are primarily sodium and chloride.

4.5 GROUNDWATER HYDROLOGY IN THE VICINITY OF THE PROPOSED INJECTION WELL

The New Mexico State Engineer's Office lists 22 water wells within one mile of the Targa AGI. These wells are listed in Table 2, and their locations are shown in Figure 13. Available groundwater analyses are included in Table 3. All of these wells are shallow, and completed in the surficial alluvium at depths of less than 200 feet. Furthermore, the SWD well's 300' of surface casing cemented to the surface is fully protective of this shallow groundwater resource. There is no potential for impacts from the proposed injection in the San Andres, over 4500 feet below surface. There are no natural bodies of surface water within one mile of the AGI well site.

5.0 OIL AND GAS WELLS IN THE TARGA AGI/SWD #1 AREA OF REVIEW AND VICINITY

A total of 119 wells are reported within one mile of the proposed Targa AGI/SWD #1 (Figure 6, Table 4). As summarized below, 33 are plugged and abandoned and 86 are active (either as producers, injection wells, or monitoring wells). The majority of the area wells (89) are completed in the Langlie-Mattix zone, well above the San Andres, and 22 wells are completed in the deeper Drinkard/Abo/Blinebry and Silurian zones. Five wells were completed in the salt zone, of which 4 (now properly plugged and abandoned by Targa pursuant to NMOCD's request in 2007) were used for gas storage. The remaining salt zone well is used as a monitoring well for water levels in the salt zone. Three wells are completed in the San Andres. These include the existing Targa SWD well which is scheduled to be recompleted as a combined AGI and SWD well, and two other SWD wells, located from 0.8 to 0.86 miles from the AGI.

Summary of Wells in One Mile of Targa AGI			
Formation	Plugged	Active	**TOTAL**
Salt	4	1	**5**
Langlie-Mattix	22	67	**89**
San Andres	0	3	**3**
Drinkard/Blinebry/Abo/Silurian	7	15	**22**
TOTAL	**33**	**86**	**119**

5.1 ACTIVE OIL AND GAS WELLS

Information on the wells in the one mile area of review (see Table 4) includes their total depth, production or injection interval and current status. Only two of the wells completed in the Wantz/Abo zone in the half-mile radius penetrate the proposed injection zone (Figure 7). There is no potential impact on these wells from the proposed Targa AGI well, as the production casing of these Wantz/Abo wells extend and are cemented through the proposed injection zone (see Figures 11 and 12).

NMOCD has raised questions regarding the potential for migration from the injection activities in the San Andres through a currently active well, the Legacy Resources Operating LC Langlie-Mattix Penrose Sand Unit 25-002 (3002410499). This well was originally drilled to a total depth of 4066 feet (into the upper San Andres) in 1937. At that time, water flow was observed and the well was plugged back to 3692 feet with gravel, 10 sacks of cement, and 600 pounds of lead wool. This plugging operation was reported as successful in stopping the water flow.

After producing for 27 years, the well was shut in 1964 pending proposed reuse as a waterflood well. Pursuant to NMOCD Order WFX No. 333 of January 23, 1970, this well was approved for waterflood operations. The well is currently operated as an injection well in the Langlie-Mattix zone, receiving approximately 40,000 barrels of water in 2009.

Following discussions with NMOCD, and contingent on final approval from Legacy, Targa proposes to re-enter the well, drill out the approximately 375 feet of original plugging (3692' to 4066') and plug that zone in accordance with current plugging practices, in a manner that preserves the well's utility as an

injection well in Legacy's waterflood program. The existing configuration of the well, and the proposed recompletion, are included in Figures 14a and 14b. Prior to any subsurface activities, the specific means and materials proposed for the plugging will be submitted to NMOCD in a Form C-103 for approval, and a subsequent Form C-103 will be provided following the work documenting the implementation and testing of the work.

5.2 PLUGGED OIL AND GAS WELLS

As seen in Table 4 and Figure 6, there are only 8 plugged wells within one half mile of the Targa AGI/SWD well. Four of these wells were former gas storage wells in the salt, and the other 4 were completed in the Langlie-Mattix zone, above the proposed injection zone in the San Andres. The plugging records of these wells are included in Appendix B, along with schematic plugging diagrams for all plugged wells within one mile that penetrate the San Andres.

There is no indication that any of these plugged wells can compromise the seal in the Grayburg Formation that separates and isolates the Langlie-Mattix zone from the proposed injection in the San Andres Formation.

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

Geolex contracted with MBF Land Services (MBF) of Roswell, New Mexico to assist in the research of land records in Lea County to obtain a listing of all operators, oil, gas and mineral lessees, surface owners, and residents/facilities within a one-mile radius of the proposed AGI well. In addition, MBF and Geolex have reviewed the notice requirements specifically transmitted by Gail M. Macquesten and Will Jones of NMOCD on October 19, 2010 to Targa and their attorneys and have identified all of the parties requiring notice herein. Appendix D includes the results of that work.

Appendix D includes Figure D-1 which shows the land owners located within the one-mile area of review of the proposed Targa AGI/SWD well. Table D-1, Appendix D, lists the names and addresses of all operators within this one-mile radius, and Table D-2, Appendix D, lists the names and addresses of unit operators and subsurface lessees within the same one mile area of review. Most of the leases in the area are unitized and, therefore, the unit operators that control the leases are listed and will be notified of the application and hearing (Table D-3, Appendix D). Appendix D also includes Table D-2 which lists the names and addresses of surface owners of record in the area of review, as extracted from the Lea County land records. Tables D-4 and D-5, Appendix D are a list of all the other interested parties that NMOCD directed should receive notice, including all residences or businesses having facilities within the 1-mile area of review, the town of Eunice, N.M. State Land Office, U.S. BLM, and any other municipalities within 5 miles.

All of these noticed entities will be provided notice and an opportunity to review this application at least 30 days prior to the OCD Hearing, according to the requirements set forth in OCD's transmittal of October 19, 2010. Copies of the notice letters to parties individually noticed from Tables D-1, D-2, D-3, D-4, and D-5 and the Certified Mail receipts are also included in Appendix D. A copy of Return Receipt cards from these notifications will be provided as an exhibit at the hearing on this case in December 2010. A draft copy of this notice is included in Appendix D. A copy of the proposed public notice that will be published in the Hobbs Daily News-Sun at least 20 days prior to NMOCD Hearing is also included in Appendix D.

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 Targa AGI/SWD 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 analyses 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.

FIGURES

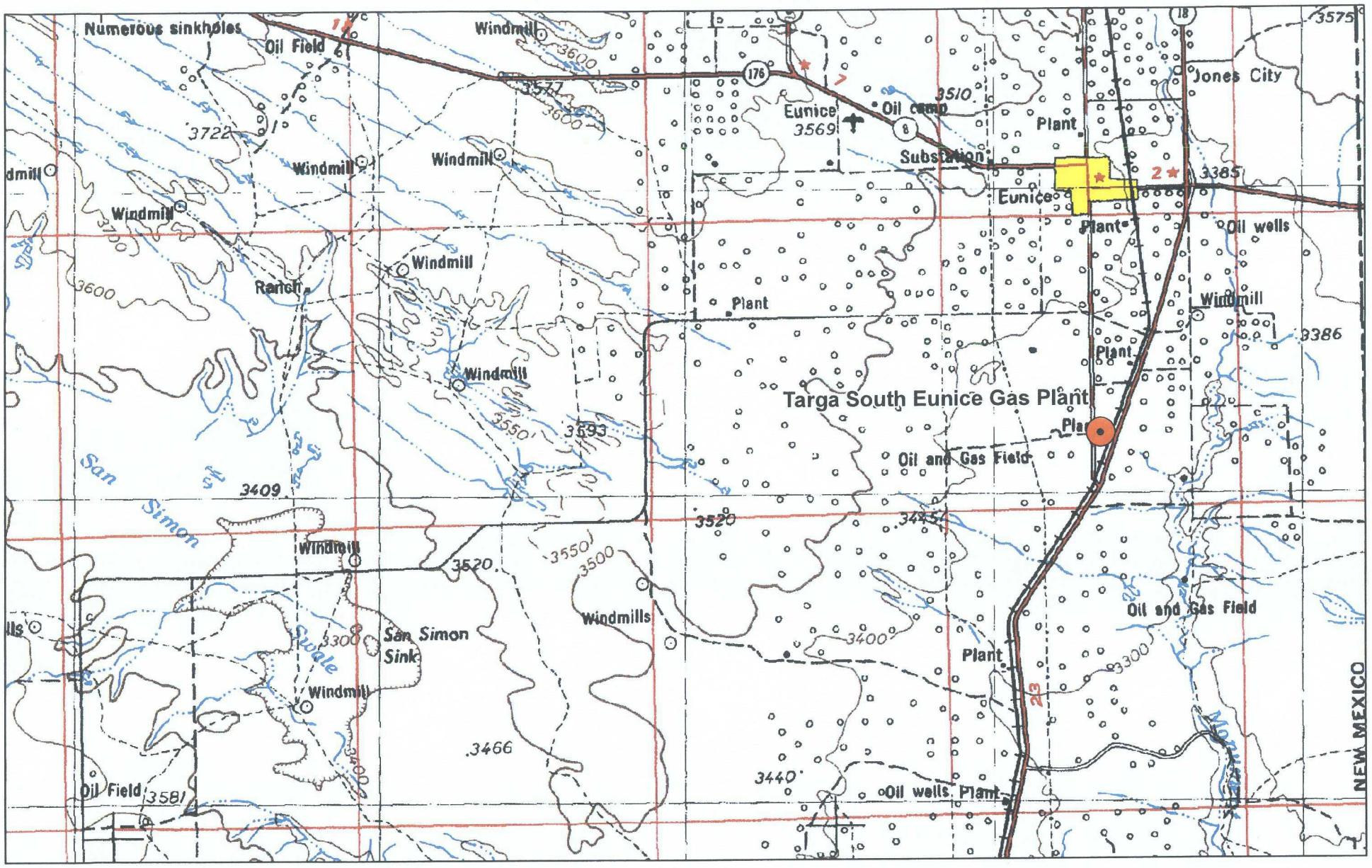

Figure 1: Location of Targa South Eunice Gas Plant

Miles

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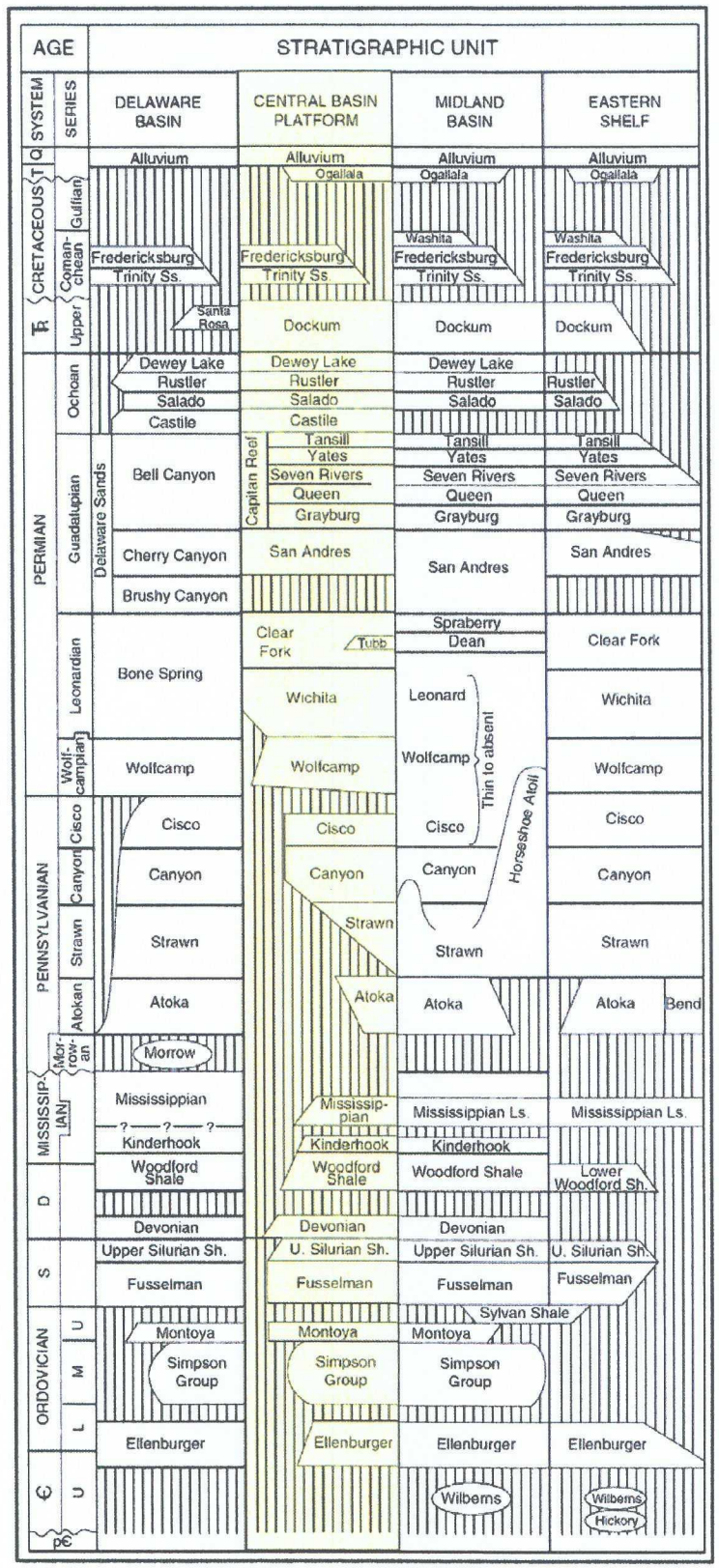

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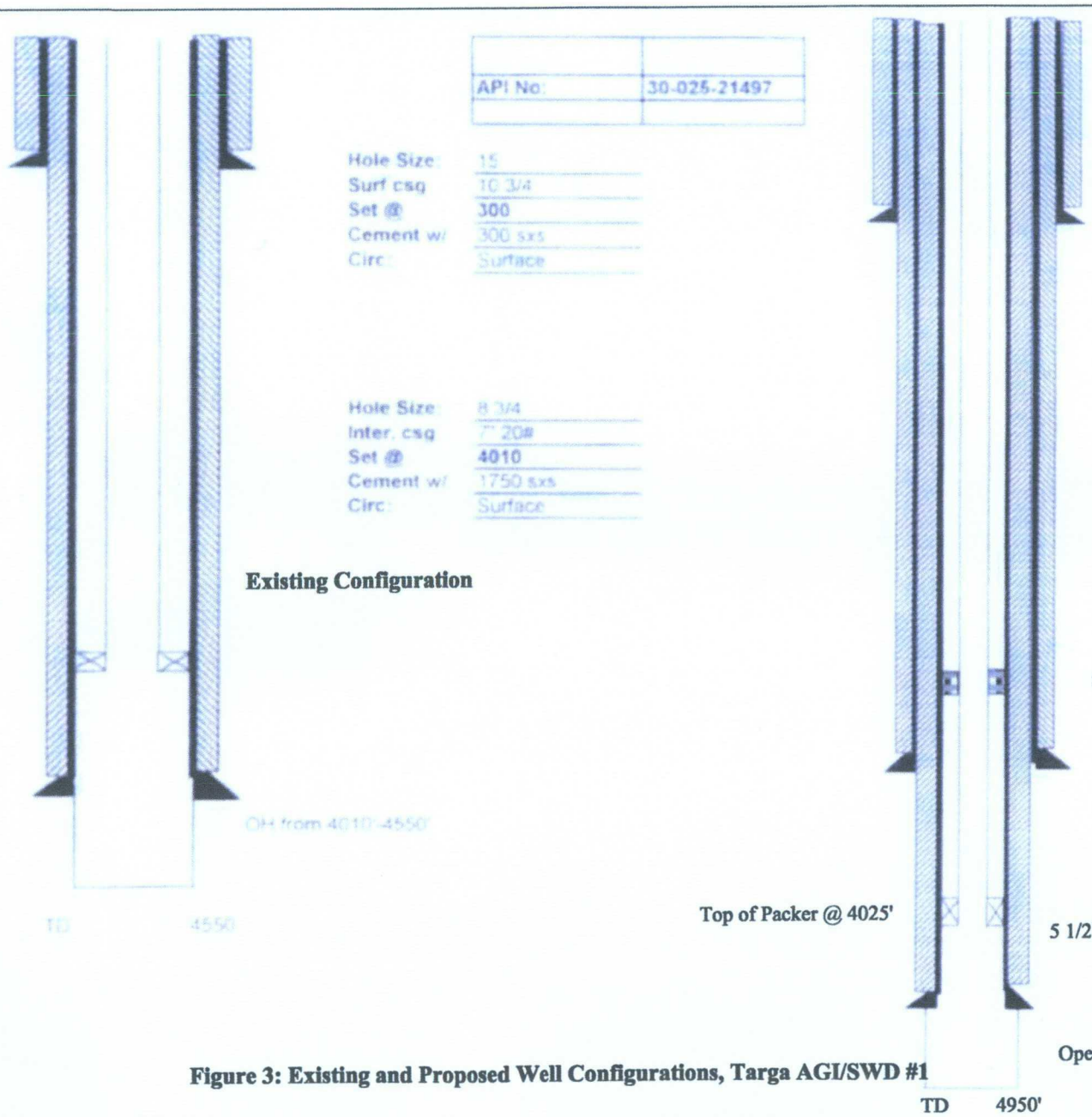
Figure 2. General stratigraphy in the Permian Basin (modified from M.M. Ball, 1995).



Existing Configuration

Proposed Revised Configuration
(All Dimensions Approximate)

Figure 3: Existing and Proposed Well Configurations, Targa AGI/SWD #1

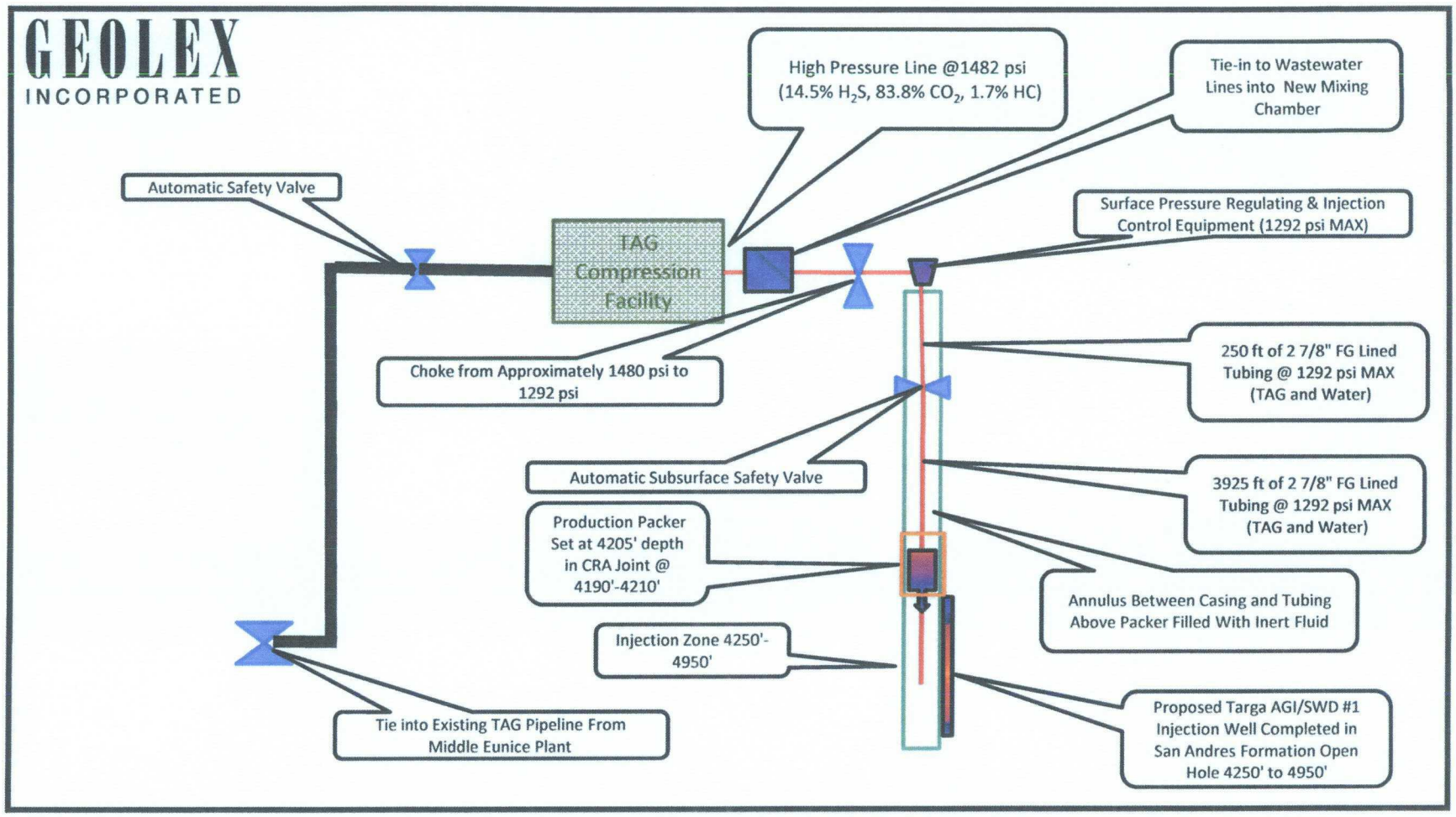
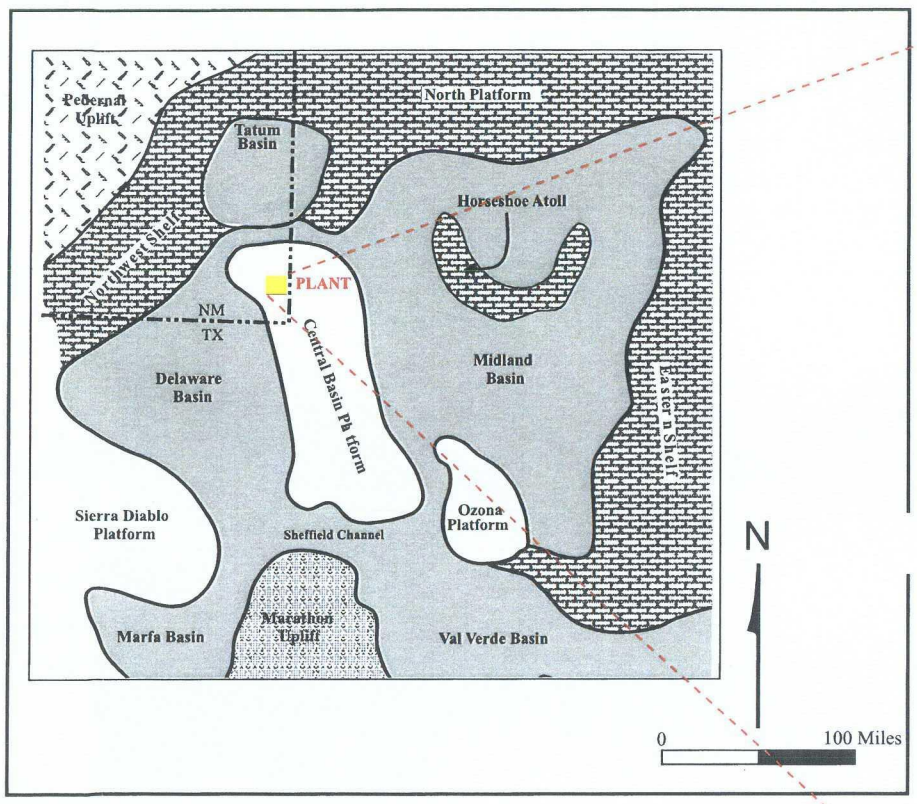


Figure 4: Schematic of Targa AGI/SWD #1 Injection System Components



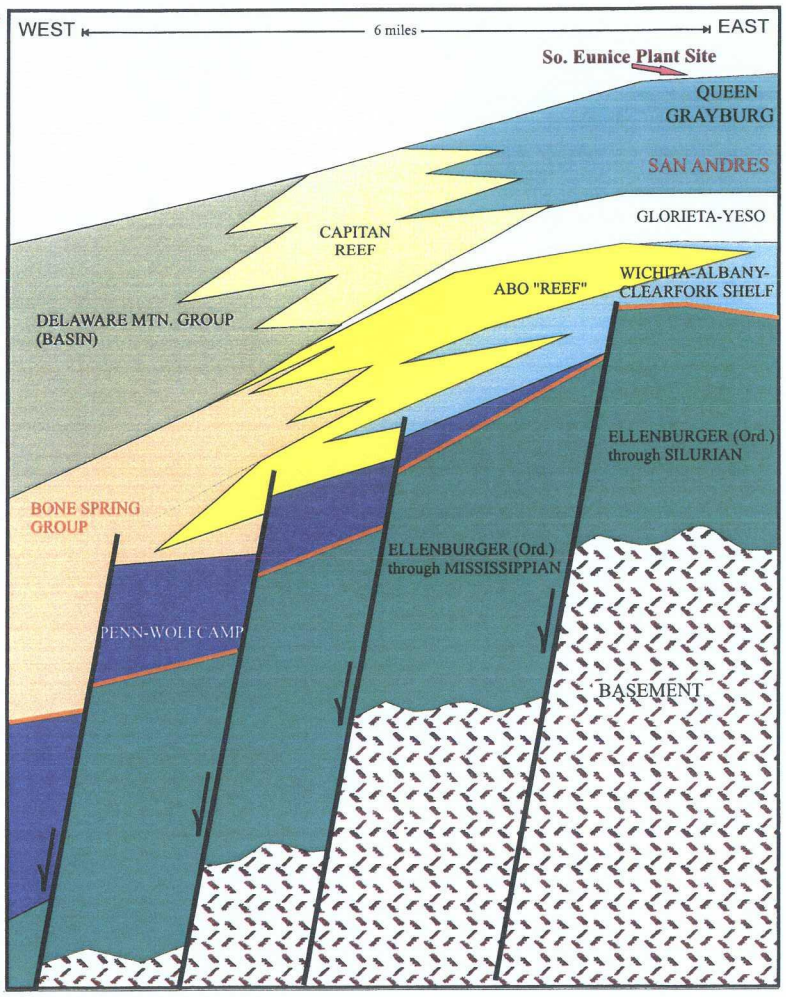


FIGURE 5

Geolex, Inc.®

TARGA MIDSTREAM SERVICES, L.P.
PROPOSED TARGA AGI/SWD #1 WELL
Lea County, New Mexico

Regional Setting of South Eunice Plant and General Stratigraphy of the Northwest Side of the Central Basin Platform

CLIENT: Targa Midstream Services, LP *DATE:* 11/1/2010

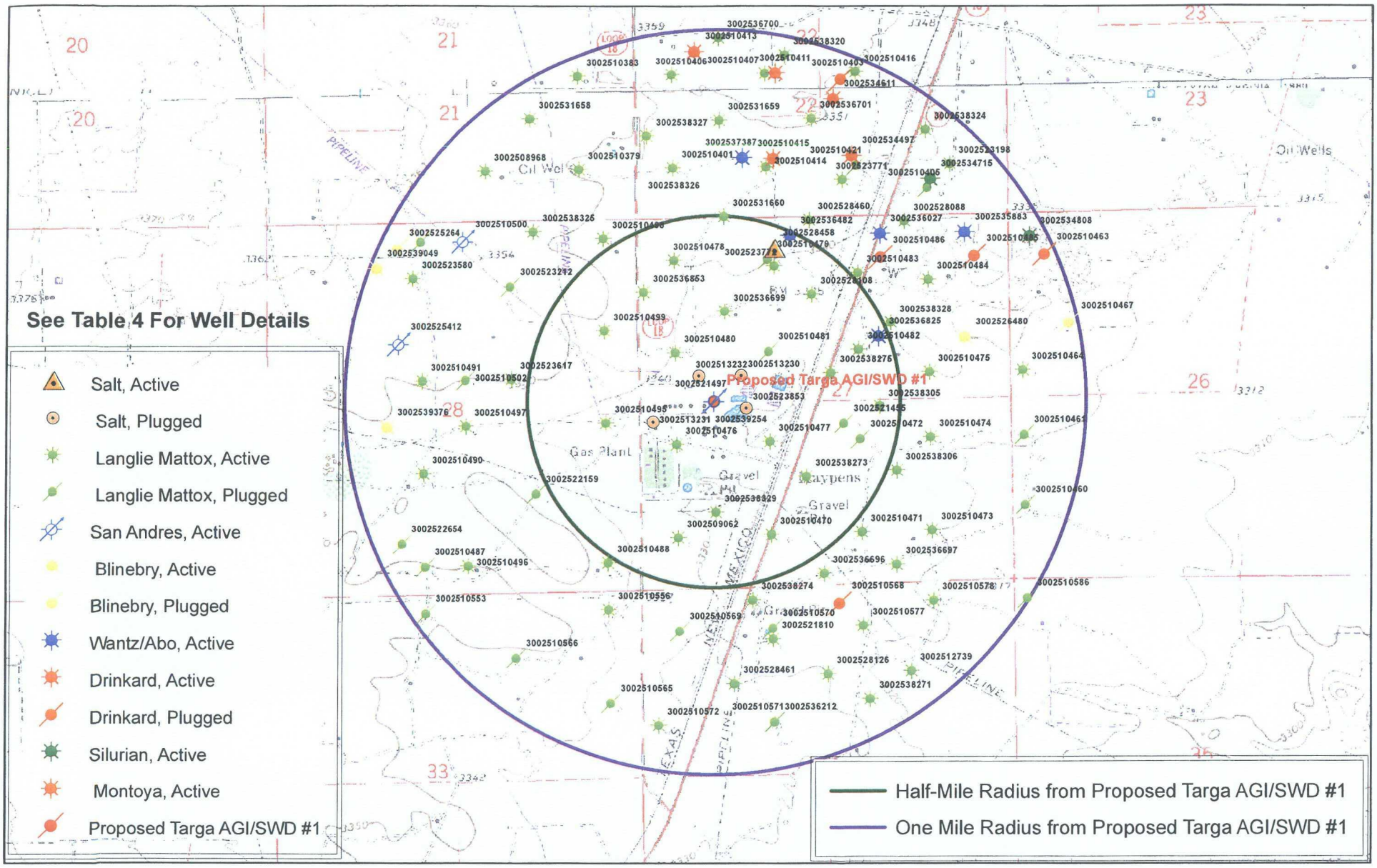


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Figure 6: Locations of All Wells Within One Mile of Proposed Targa AGI/SWD #1

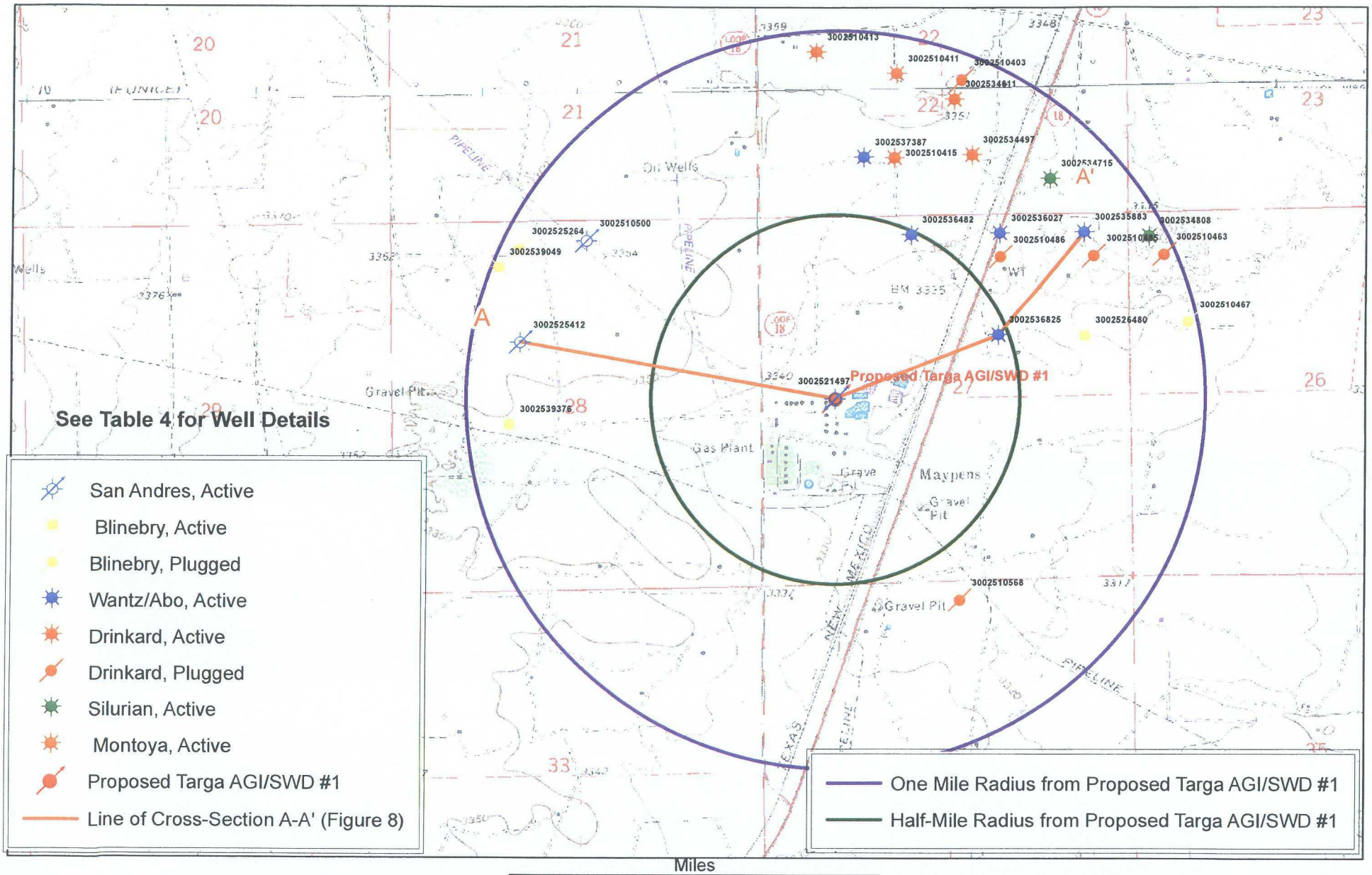

Figure 7: Location of all Wells Penetrating the San Andres Within One Mile of Targa Proposed AGI/SWD #1, Showing Line of Cross-Section A-A'

GEOLEX INCORPORATED

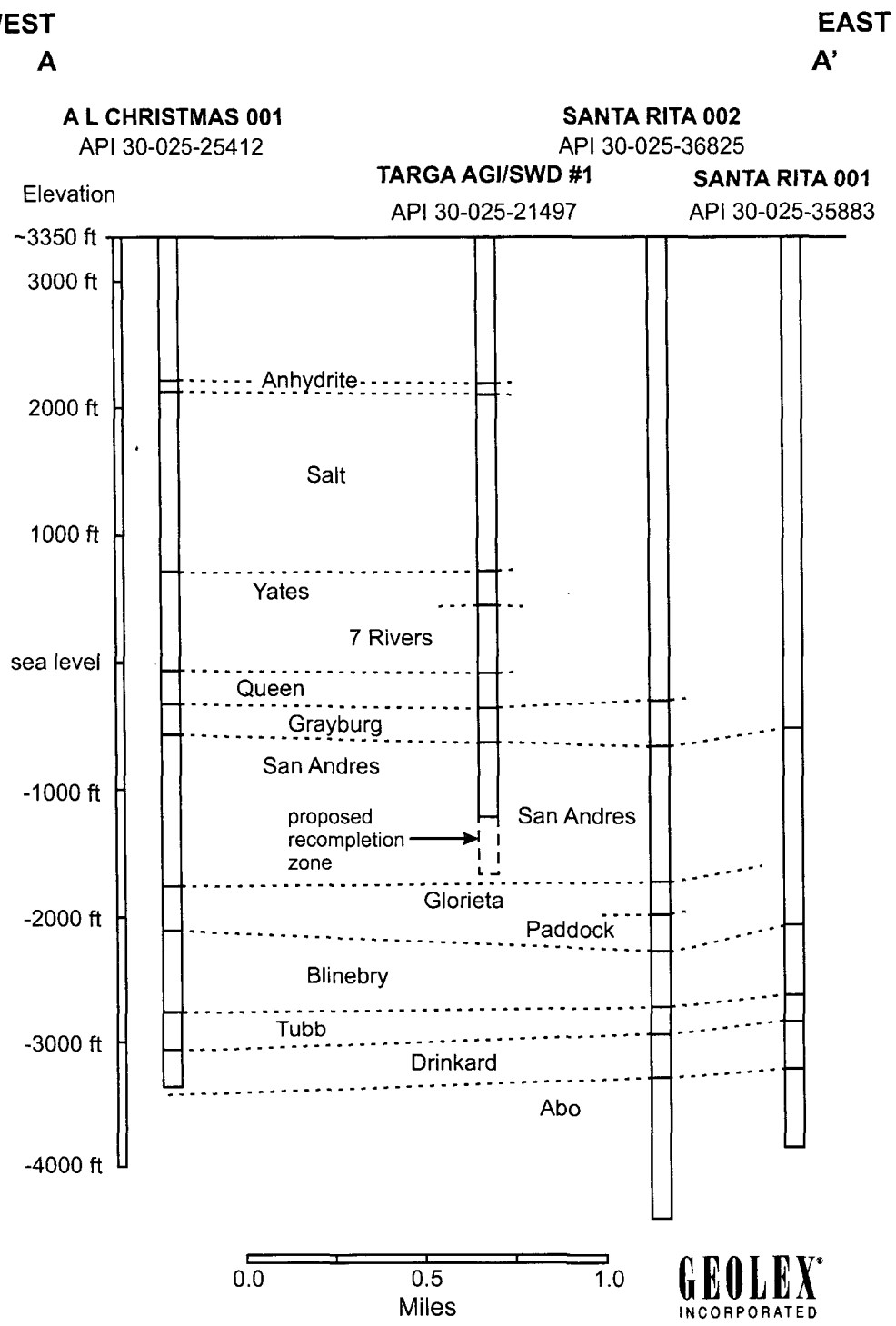

Figure 8. General cross-section through the area of Targa AGI/SWD #1.
See Figure 7 for cross-section location.

TWP. 22S- RGE. 37E

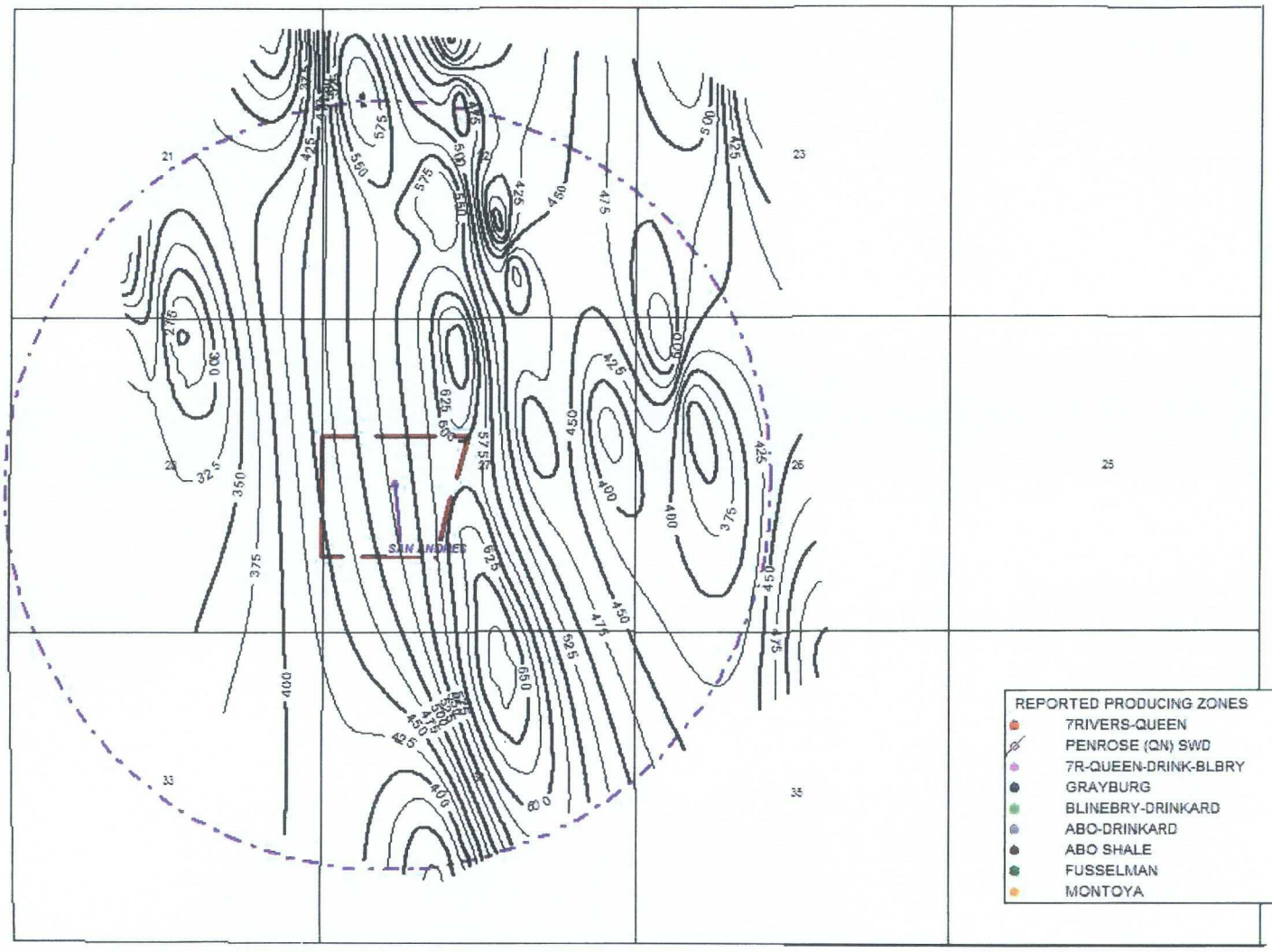

FIGURE 9

Geolex, Inc.®

TARGA MIDSTREAM SERVICES, L.P.
PROPOSED TARGA AGI/SWD #1 WELL
Lea County, New Mexico

Net Porosity (>6%) in the San Andres Carbonate, Top of San Andres to Top of Glorieta Formation

CLIENT: Targa Midstream Services, LP DATE: 11/1/2010

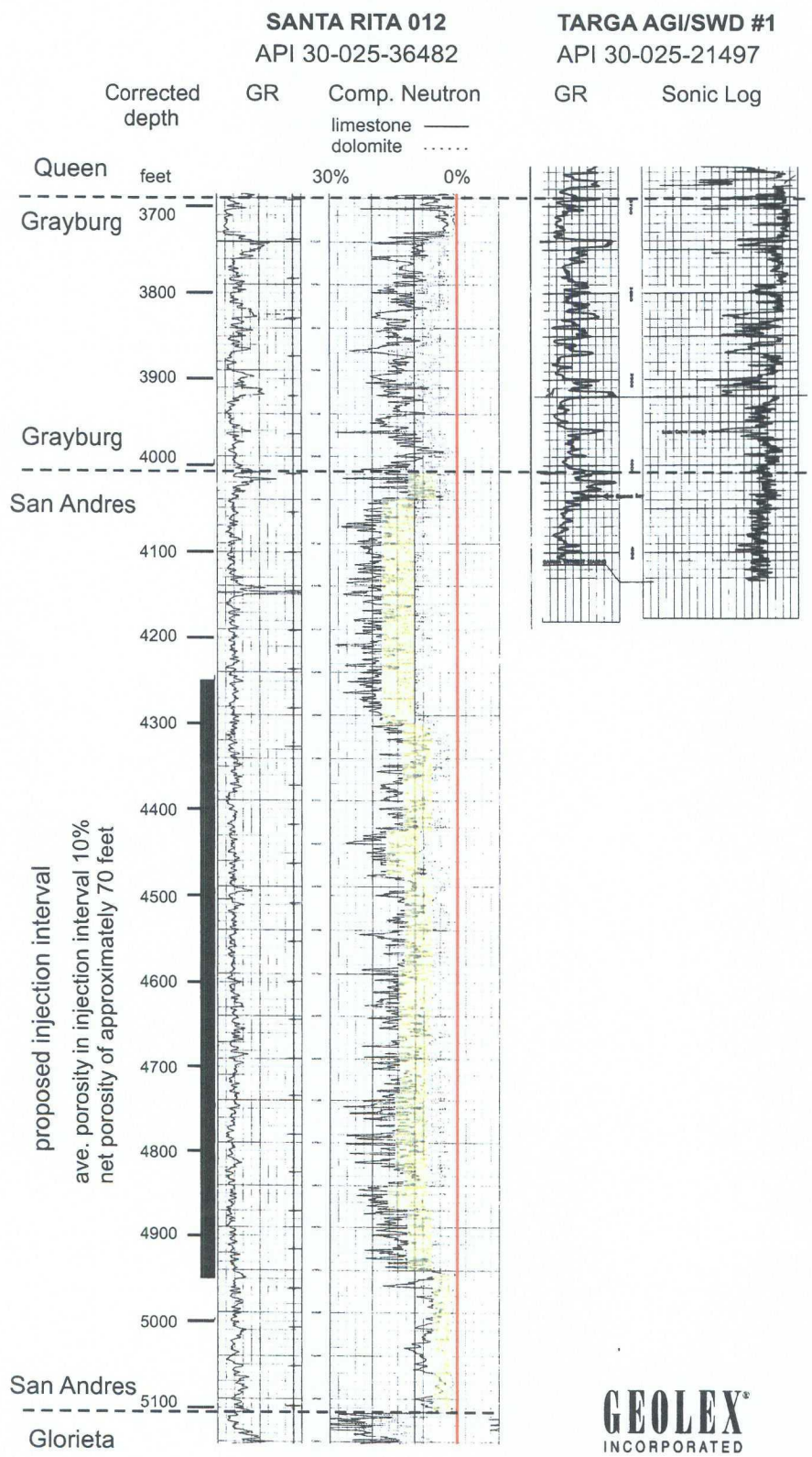

Figure 10. Well logs showing porosity in vicinity of proposed Targa AGI/SWD #1. See Figure 7 for location.

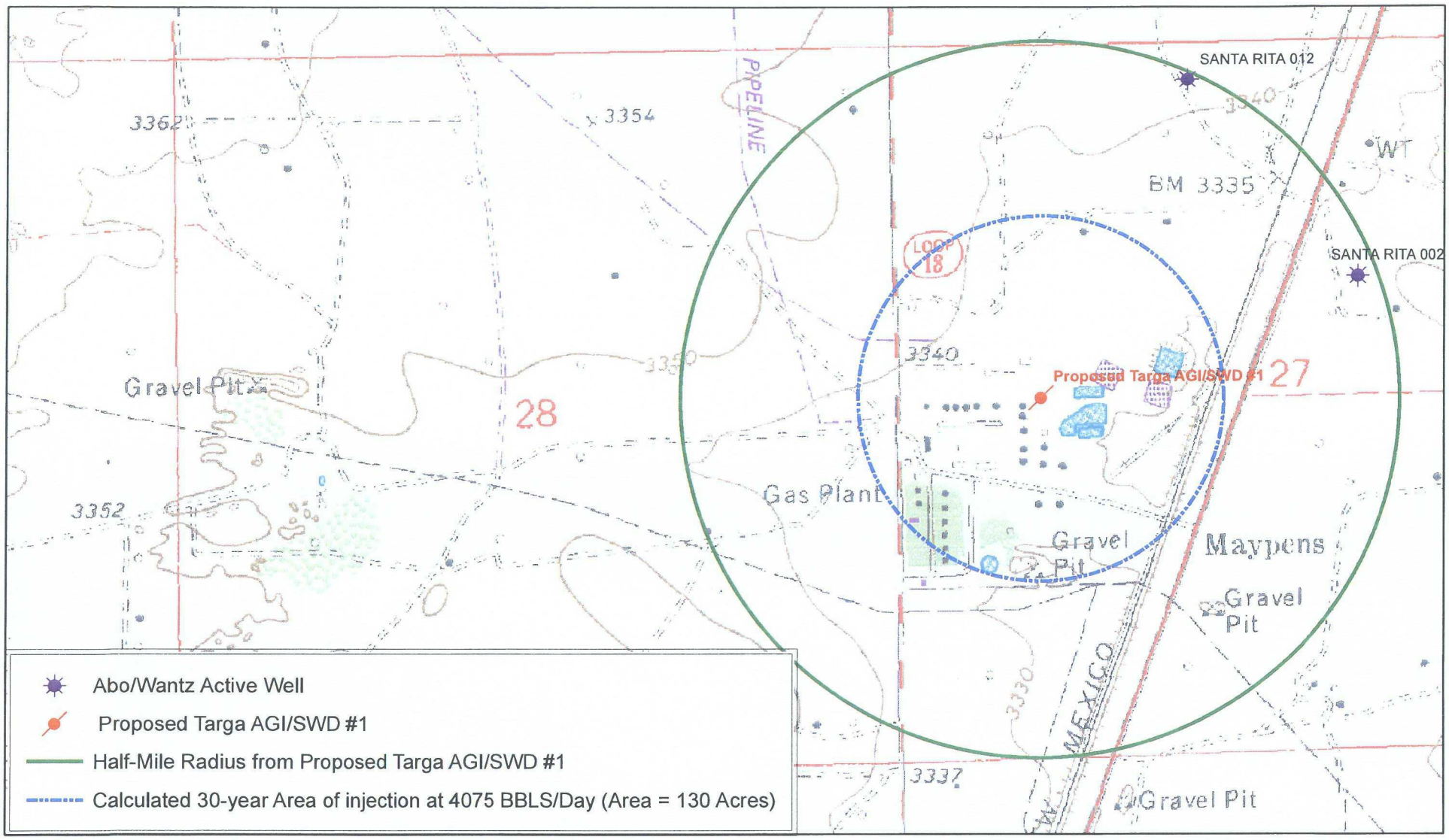

Figure 11: Maximum Calculated Area of Reservoir Affected by Proposed Injection after 30 Years

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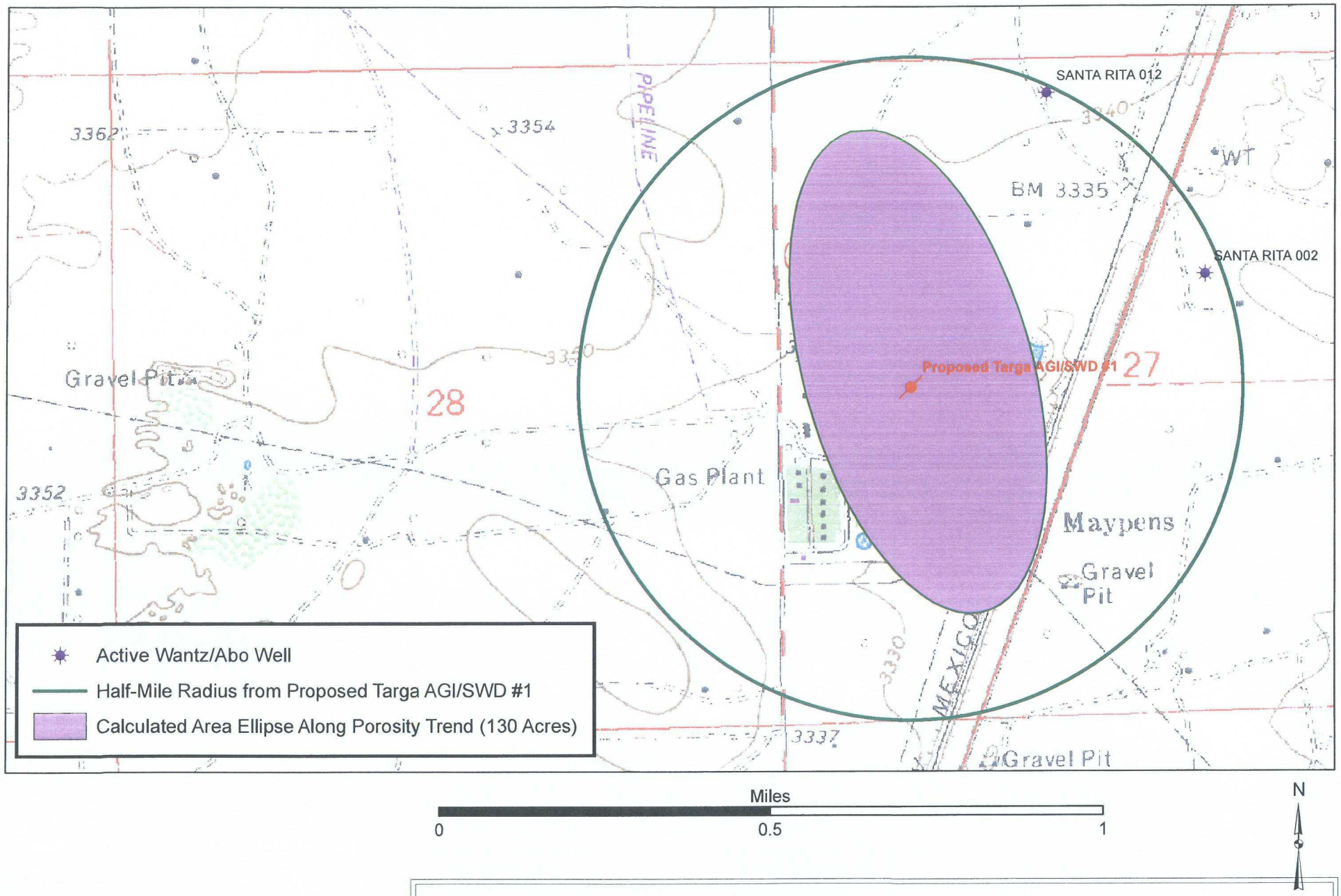

Figure 12: Calculated Area of Reservoir Affected by Proposed Injection after 30 Years along Porosity Trend

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INCORPORATED

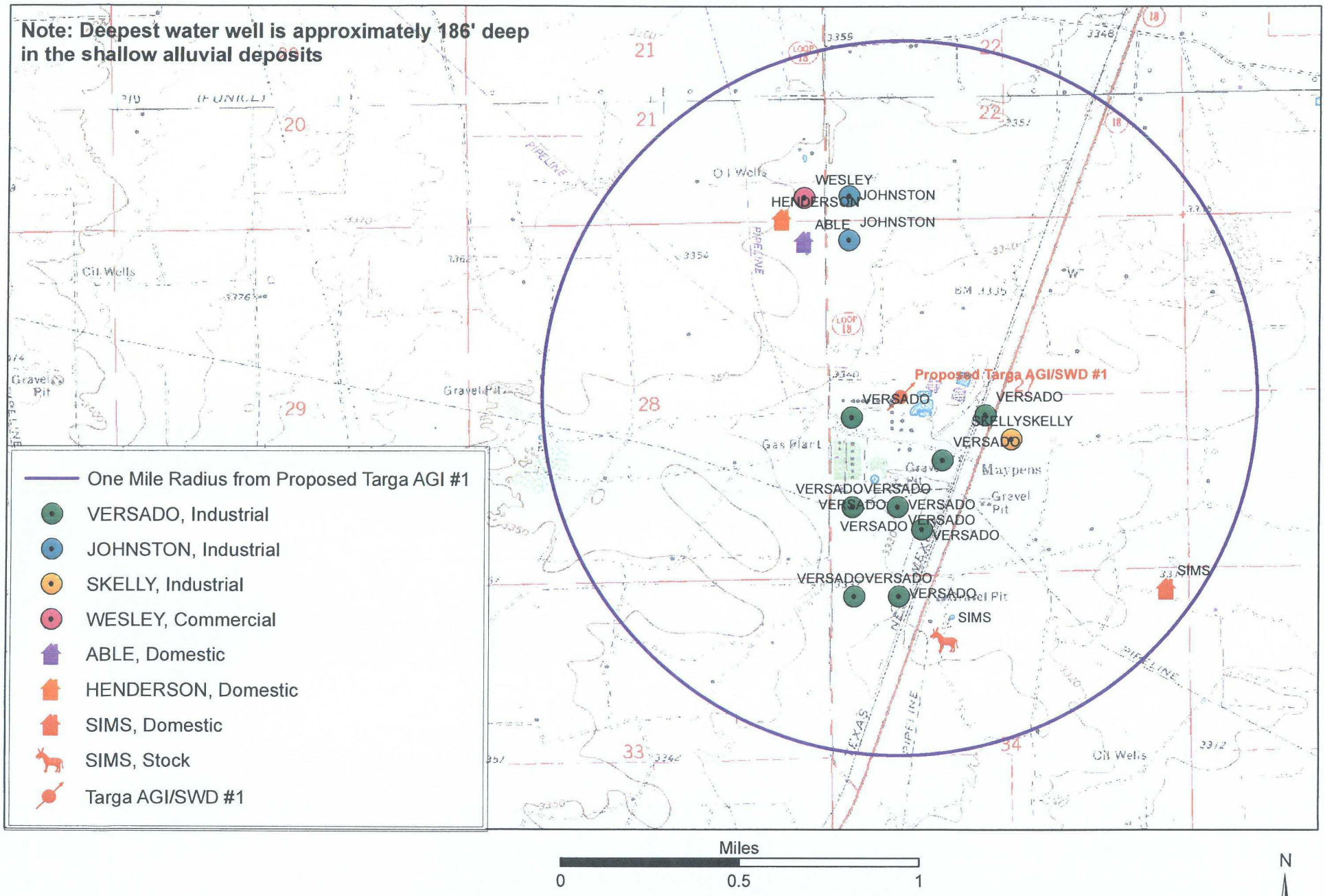

Figure 13: Water Wells Within One Mile of Proposed Targa AGI/SWD #1

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INCORPORATED

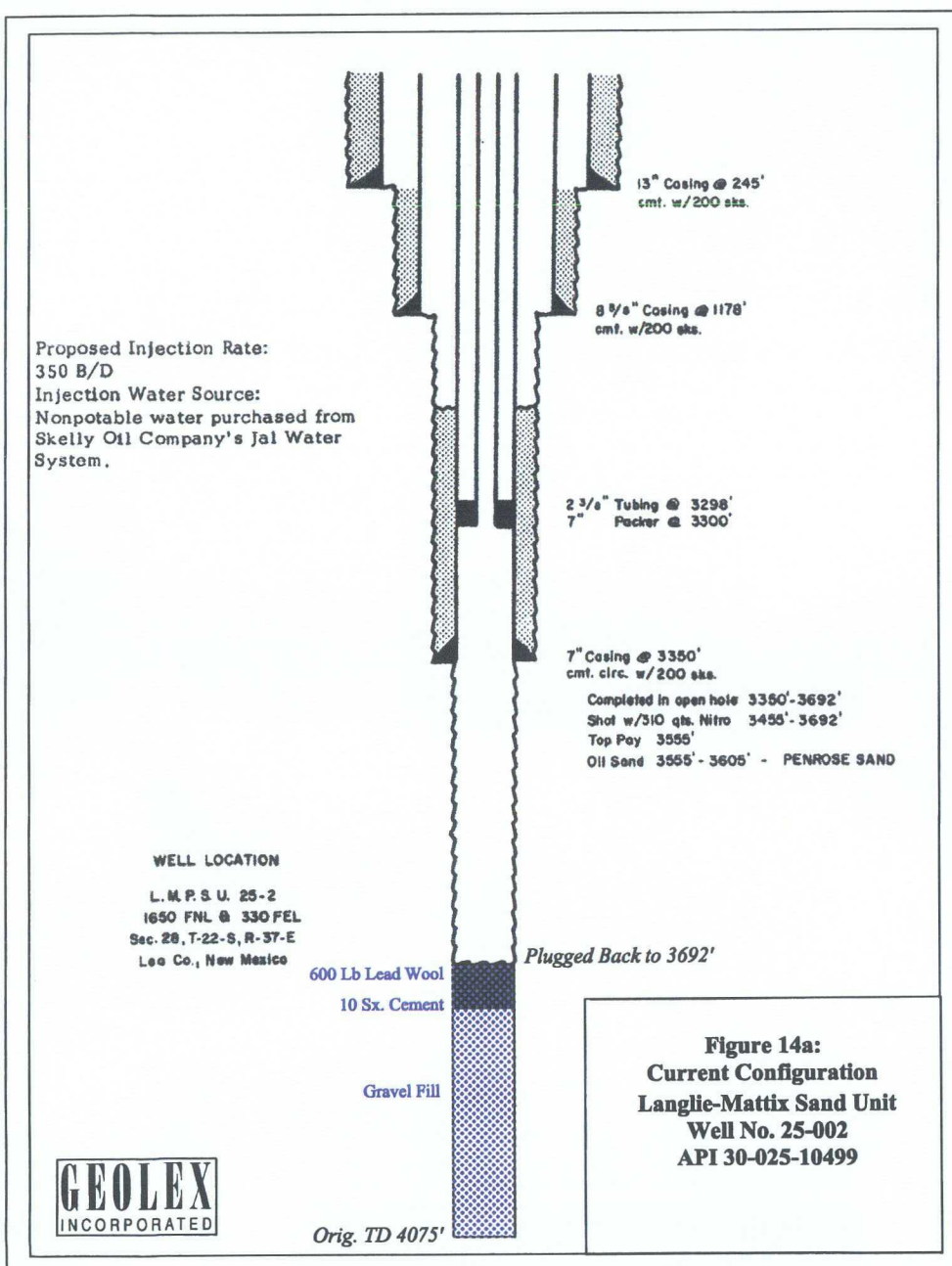


Figure 14a:
Current Configuration
Langlie-Mattix Sand Unit
Well No. 25-002
API 30-025-10499

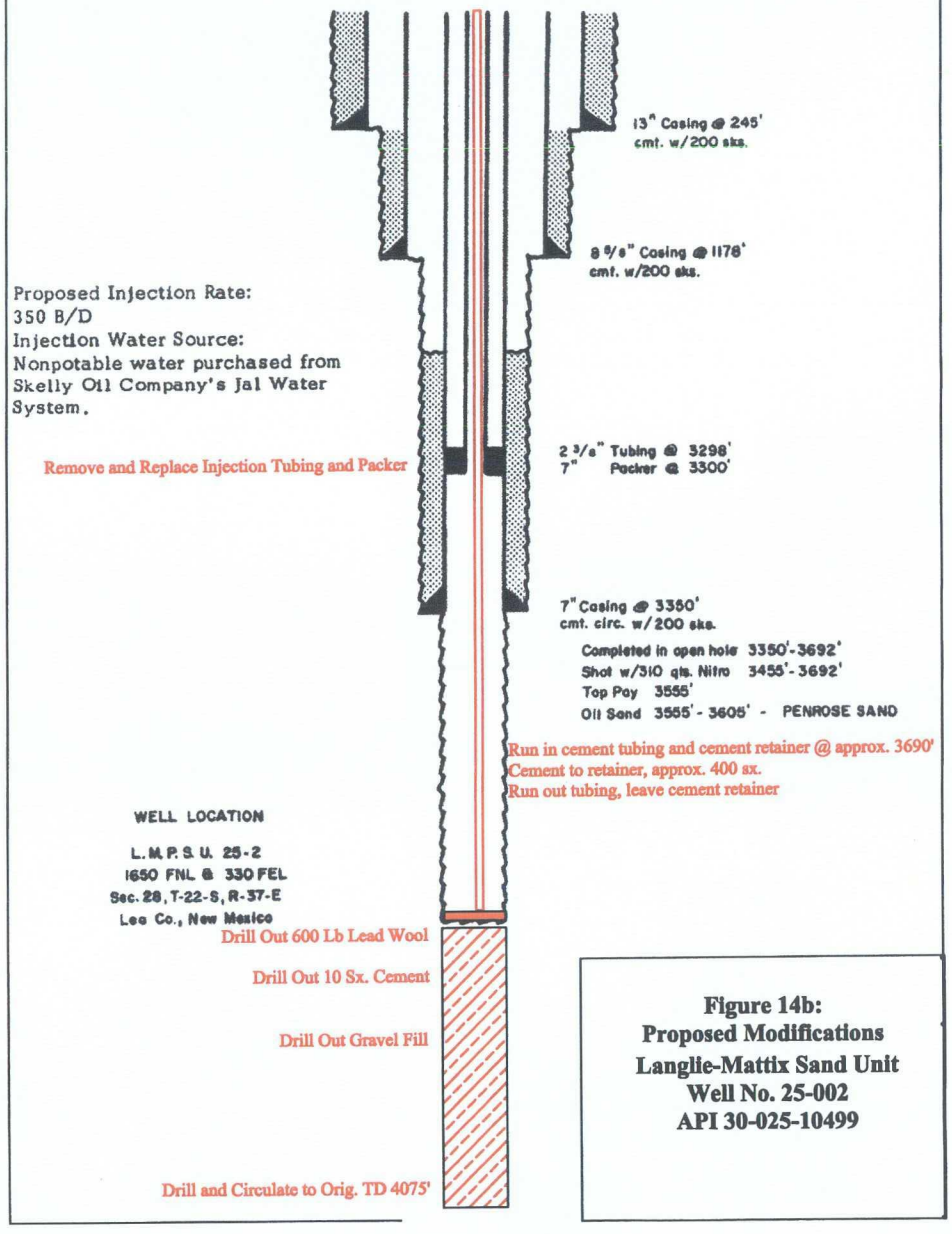


Figure 14b:
Proposed Modifications
Langlie-Mattix Sand Unit
Well No. 25-002
API 30-025-10499

Figure 14: Diagrams of Existing and Proposed Well Configurations, Langlie-Mattix Sand Unit No. 25-002

TABLES

Table 1: Pressure and Volume Calculations for TAG and Wastewater, Targa AGI/SWD #001

PROPOSED INJECTION STREAM CHARACTERISTICS

TAG	H_2S	CO_2	H_2S	CO_2	TAG	Waste Water (WW)			Mixed TAG + WW	
Gas vol	conc.	conc.	inject rate	inject rate	inject rate	inject rate	Density	inject rate	comp	inject rate
MMSCFD	mol %	mol %	lb/day	lb/day	lb/day	bbl/day	kg/m^3	lb/day	TAG:H_2O	lb/day
5	14.5	83.8	68819	513595	582414	1575	1010	552018	31:69	1134432

CONDITIONS AT WELL HEAD

Well Head Conditions		TAG								WW	Mixed	
Temp	Pressure	Gas vol	Comp	Inject Rate	Density[1]	SG[2]	density	volume	volume	volume	volume	volume
F	psi	MMSCFD	CO_2:H_2S	lb/day	kg/m^3		lb/gal	ft^3	bbl	bbl	bbl	bbl/30yr
100	1482	5	84:15	582414	664.29	0.66	5.55	14037	2500	1575	4075	44653661

CONDITIONS AT BOTTOM OF WELL

Injection Zone Conditions					TAG					WW	Mixed	
Temp	Pressure[3]	$Depth_{top}$	$Depth_{bottom}$	MW[4]	Density[1]	SG[2]	density	volume	volume	volume	volume	volume
F	psi	ft	ft	lb/gal	kg/m^3		lb/gal	ft^3	bbl	bbl	bbl	bbl/30yr
100	2439	4250	4950	10.2	815.26	0.82	6.81	22279	3968	1575	5543	60737941

CONDITIONS IN RESERVOIR AT EQUILIBRIUM

Injection Reservoir Conditions					TAG					WW	Mixed	
Temp[5]	Pressure[3]	$Depth_{top}$	$Depth_{bottom}$	Porosity[6]	Density[1]	SG[2]	density	volume	volume	volume	volume	volume
F	psi	ft	ft	ft	kg/m^3		lb/gal	ft^3	bbl	bbl	bbl	bbl/30yr
135	2439	4250	4950	70	665.30	0.67	5.56	27301	4862	1575	6437	70538326

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 = 0.433/8.33 * MW * $Depth_{mid}$ = 2532 psi

[4] MW = est. drilling mud weight

[5] Reservoir temp. is estimated using geothermal gradient for Basin

[6] Porosity is estimated using geophysical logs for API 30-025-36482

CALCULATION OF MAXIMUM INJECTION PRESSURE LIMITATION

$SG_{bif} = (SG_{WW} * Vol_{WW} + SG_{TAG} * Vol_{TAG}) / (Vol_{WW} + Vol_{TAG})$ 0.80

$PG = 0.2 + 0.433\ (1.04 - SG_{bif})$ 0.304 psi/ft

$IP_{max} = PG * Depth$ 1292 psi

Where: SG_{bif}, SG_{WW}, and SG_{TAG} are specific gravities of blended injection fluid, waste water, and TAG, respectively; Vol_{WW} and Vol_{TAG} are injected volumes of water and TAG in bbl/day, respectively; 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)	36144 ft^3/day
Cubic Feet/30 years	396044484 ft^3/30 years
Area = V/Net Porosity (ft)	5657778 ft^2/30 years
Area = V/Net Porosity (ft) (43560 ft^2/acre)	129.9 acres/30 years
Radius =	1342 ft

TABLE 2: WATER WELLS WITHIN ONE MILE OF PROPOSED TARGA AGI/SWD #1

Diversion	Owner	Use	POD Number	T	R	S	ql	qm	qs	UTM Zone	Easting (m)	Northing (m)	Date	Depth (ft)	Depth to Water (ft)
48.39	VERSADO	IND	CP00006	22S	37E	27	3	1	4	13	673536	3581647	12/31/1936	85	
32.26	VERSADO	IND	CP00007	22S	37E	27	3	1	4	13	673536	3581647	12/31/1937	100	
24.2	SKELLY	IND	CP00008	22S	37E	27				13	674048	3581950	5/1/1942	182	
40	VERSADO	IND	CP00009	22S	37E	27	3			13	673646	3581548	5/15/1942	150	
	VERSADO	IND	CP00009	22S	37E	27	1	4	4	13	673929	3582057	1/17/2002	90	52
16.13	SKELLY	IND	CP00010	22S	37E	27				13	674048	3581950	4/4/1943	120	
0	SIMS	DOM	CP0141 DCL	22S	37E	27	4	4	4	13	674746	3581281			
0	VERSADO	IND	CP00231	22S	37E	27	3	1	3	13	673336	3581647	11/30/1937	180	
	VERSADO	IND	CP00231 S	22S	37E	27	1	4	4				1/23/2006	97	
14	VERSADO	IND	CP00232	22S	37E	27	3	1	4	13	673536	3581647	12/31/1937	67	
0	VERSADO	IND	CP00233	22S	37E	27	3	1	4	13	673536	3581647	5/31/1941	182	
	VERSADO	IND	CP00233 S	22S	37E	27	3	2	1						
0	VERSADO	IND	CP00234	22S	37E	27	3	1	3	13	673336	3581647	4/30/1943	135	
40	VERSADO	IND	CP00243	22S	37E	27	1	3	3	13	673329	3582048	6/30/1965	106	
	VERSADO	IND	CP00243 S	22S	37E	27	3	2	1	13	673737	3581857	1/17/2002	90	54
0	VERSADO	IND	CP00244	22S	37E	27	3	3	4	13	673544	3581246	4/30/1945	148	
	VERSADO	IND	CP00244 S	22S	37E	27	1	4	3				1/23/2006	87	
32	VERSADO	IND	CP00247	22S	37E	27	3	3	3	13	673344	3581246	9/30/1961	100	
16	VERSADO	IND	CP00248	22S	37E	27	3	3	3	13	673344	3581246	12/31/1963		111
0	JOHNSTON	STK	CP00384 DCL	22S	37E	27	1	2	2	13		673922	3582656		
0	CAPTITAN	PRO	CP00470	22S	37E	26	2	1	2	13	675930	3582692	12/3/1968	99	65
115.6	WESLEY	COM	CP00081	22S	37E	21	4	4	2	13	673112	3583042		120	
31	JOHNSTON	IND	CP00256	22S	37E	22	3	3	1	13	673313	3583049		145	
32	JOHNSTON	IND	CP00257	22S	37E	22	3	3	3	13	673313	3582849		135	
0	JOHNSTON	DOM	CP00381	22S	37E	22	4	1	3	13		674108	3583264		
0	JOHNSTON	DOM	CP00382	22S	37E	22	4	3	3	13		674114	3582862		
0	JOHNSTON	DOM	CP00383	22S	37E	22	4	1	3	13		674108	3583264		
3	HENDERSON	DOM	CP00503	22S	37E	21	4	4		13	673013	3582943			
3	ABLE	DOM	CP00911	22S	37E	21	4	4	4	13	673112	3582842		150	
0	SIMS	STK	CP00142	22S	37E	34	1	2	1	13	673753	3581053			
0	SIMS	STK	CP00143	22S	37E	34	4	1	1	13	674171	3580251			
3	FERGUSON	STK	CP00561	22S	37E	34	3	3	3	13	673376	3579631	12/26/1976	137	60

TABLE 3: GROUNDWATER ANALYSES IN STUDY AREA				
Well Number	Date Drilled	Well Depth (ft)	Screen Interval	Depth to Water (ft) 4/13/06
2	11/8/2005	83.35	65.41-79.72	70.51
Arsenic	Barium	Cadmium	Chromium	Lead
0.0147	0.0339	<0.000297	0.00458	<0.000843
Mercury	Selenium	Silver	Alkalinity	Chloride
0.00006	0.0101	<0.000754	163	142
TDS	Sulfate	Calcium	Magnesium	Potassium
756	214	60.1	44.8	7.9
Sodium				
113				

Well located in Unit F, Sec. 22, T22S, R37E, Lea County, NM
All analyses in mg/l

TABLE 4: ALL WELLS WITHIN ONE MILE OF TARGA AGI (See Figure 6 for Locations)

API	OPERATOR	PLUGDATE	RNG	TSHP	SEC	DEPTH	WELLNAME	TYPE	STATUS	MilesFromTarga	Zone
3002521497	TARGA MIDSTREAM SERVICES LIMITED PARTNERSHIP	na	37E	22.0S	27	3962	EUNICE GAS PLANT SWD 001	S	Active	0.00	San Andres
3002513232	TARGA MIDSTREAM SERVICES LIMITED PARTNERSHIP	8/5/2008	37E	22.0S	27	2095	J V BAKER (LPG-STORAGE) 001	M	Plugged	0.08	Salt
3002523853	TARGA MIDSTREAM SERVICES LIMITED PARTNERSHIP	7/2/2008	37E	22.0S	27	2075	SKELLY GASOLINE PLANT 004	M	Plugged	0.09	Salt
3002513230	TARGA MIDSTREAM SERVICES LIMITED PARTNERSHIP	7/9/2008	37E	22.0S	27	2064	J V BAKER (LPG-STORAGE) 003	M	Plugged	0.10	Salt
3002510476	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3665	LANGLIE MATTIX PENROSE SAND UNIT 221	I	Active	0.15	Langlie Mattox
3002510480	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3610	LANGLIE MATTIX PENROSE SAND UNIT 134	O	Active	0.17	Langlie Mattox
3002513231	TARGA MIDSTREAM SERVICES LIMITED PARTNERSHIP	7/10/2008	37E	22.0S	27	2075	J V BAKER (LPG-STORAGE) 002	M	Plugged	0.17	Salt
3002510477	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3640	LANGLIE MATTIX PENROSE SAND UNIT 222	O	Active	0.19	Langlie Mattox
3002510481	LEGACY RESERVES OPERATING, LP	6/8/2007	37E	22.0S	27	3620	LANGLIE MATTIX PENROSE SAND UNIT 135	I	Plugged	0.20	Langlie Mattox
3002536699	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3790	LANGLIE MATTIX PENROSE SAND UNIT 314	O	Active	0.24	Langlie Mattox
3002510495	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	28	3684	LANGLIE MATTIX PENROSE SAND UNIT 241	O	Active	0.30	Langlie Mattox
3002538329	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3835	LANGLIE MATTIX PENROSE SAND UNIT 604	O	Active	0.30	Langlie Mattox
3002538273	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3818	LANGLIE MATTIX PENROSE SAND UNIT 601	O	Active	0.32	Langlie Mattox
3002538275	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3825	LANGLIE MATTIX PENROSE SAND UNIT 602	O	Active	0.32	Langlie Mattox
3002536853	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3805	LANGLIE MATTIX PENROSE SAND UNIT 316	O	Active	0.35	Langlie Mattox
3002510499	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	28	4075	LANGLIE MATTIX PENROSE SAND UNIT 252	I	Active	0.35	Langlie Mattox
3002521455	ANADARKO PETROLEUM CORP	8/30/1997	37E	22.0S	27	3692	LANGLIE MATTIX PENROSE SAND UNIT 005	I	Plugged	0.35	Langlie Mattox
3002509062	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3670	LANGLIE MATTIX PENROSE SAND UNIT 211	O	Active	0.38	Langlie Mattox
3002528108	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3730	LANGLIE MATTIX PENROSE SAND UNIT 310	O	Active	0.39	Langlie Mattox
3002510470	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3405	LANGLIE MATTIX PENROSE SAND UNIT 212	I	Active	0.39	Langlie Mattox
3002510478	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3596	LANGLIE MATTIX PENROSE SAND UNIT 132	I	Active	0.39	Langlie Mattox
3002523772	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3700	LANGLIE MATTIX PENROSE SAND UNIT 139	O	Active	0.40	Langlie Mattox
3002510472	ANADARKO PETROLEUM CORP	7/28/1966	37E	22.0S	27	3676	LANGLIE MATTIX PENROSE SAND UNIT 001	O	Plugged	0.41	Langlie Mattox
3002510479	ANADARKO PETROLEUM CORP	8/17/1971	37E	22.0S	27	3600	LANGLIE MATTIX PENROSE SAND UNIT 003	O	Plugged	0.41	Langlie Mattox
3002510482	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3610	LANGLIE MATTIX PENROSE SAND UNIT 136	O	Active	0.41	Langlie Mattox
3002528458	ANADARKO PETROLEUM CORP	na	37E	22.0S	27	2469	LANGLIE MATTIX PENROSE SAND UNIT 001	M	Active	0.44	Salt
3002538305	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3825	LANGLIE MATTIX PENROSE SAND UNIT 196	O	Active	0.44	Langlie Mattox
3002536825	BURLESON PETROLEUM, INC	na	37E	22.0S	27	7250	SANTA RITA 002	O	Active	0.47	Wantz/Abo
3002536482	BURLESON PETROLEUM, INC	na	37E	22.0S	27	7200	SANTA RITA 012	O	Active	0.49	Wantz/Abo
3002531660	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3800	LANGLIE MATTIX PENROSE SAND UNIT 313	O	Active	0.50	Langlie Mattox
3002510483	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3855	LANGLIE MATTIX PENROSE SAND UNIT 137	I	Active	0.52	Langlie Mattox
3002538328	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3825	LANGLIE MATTIX PENROSE SAND UNIT 603	O	Active	0.52	Langlie Mattox
3002510488	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	28	3690	LANGLIE MATTIX PENROSE SAND UNIT 231	O	Active	0.52	Langlie Mattox
3002538306	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3825	LANGLIE MATTIX PENROSE SAND UNIT 204	O	Active	0.53	Langlie Mattox
3002510498	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	28	3688	LANGLIE MATTIX PENROSE SAND UNIT 251	O	Active	0.53	Langlie Mattox
3002510471	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3651	LANGLIE MATTIX PENROSE SAND UNIT 201	O	Active	0.53	Langlie Mattox
3002522159	ANADARKO PETROLEUM CORP	3/15/2002	37E	22.0S	28	3685	LANGLIE MATTIX PENROSE SAND UNIT 244	I	Plugged	0.54	Langlie Mattox
3002538274	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	34	3815	LANGLIE MATTIX PENROSE SAND UNIT 600	O	Active	0.54	Langlie Mattox
3002523617	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	28	3700	LANGLIE MATTIX PENROSE SAND UNIT 262	O	Active	0.55	Langlie Mattox
3002528460	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3702	LANGLIE MATTIX PENROSE SAND UNIT 312	O	Active	0.55	Langlie Mattox
3002536696	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3820	LANGLIE MATTIX PENROSE SAND UNIT 202	O	Active	0.55	Langlie Mattox
3002510475	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3653	LANGLIE MATTIX PENROSE SAND UNIT 194	I	Active	0.58	Langlie Mattox
3002510474	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3642	LANGLIE MATTIX PENROSE SAND UNIT 193	O	Active	0.59	Langlie Mattox
3002510486	YARBROUGH OIL LP	10/21/2000	37E	22.0S	27	6429	J V BAKER 011	O	Plugged	0.59	Drinkard
3002510569	ANADARKO PETROLEUM CORP	2/20/2002	37E	22.0S	34	3664	LANGLIE MATTIX PENROSE SAND UNIT 003	I	Plugged	0.62	Langlie Mattox
3002510556	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	33	3674	LANGLIE MATTIX PENROSE SAND UNIT 351	O	Active	0.63	Langlie Mattox

3002523212	ANADARKO PETROLEUM CORP	8/30/1997	37E	22.0S	28	3698	LANGLIE MATTIX PENROSE SAND UNIT 003	I	Plugged	0.63	Langlie Mattox
3002510570	ANADARKO PETROLEUM CORP	7/28/1966	37E	22.0S	34	3660	LANGLIE MATTIX PENROSE SAND UNIT 004	O	Plugged	0.63	Langlie Mattox
3002536027	BURLESON PETROLEUM, INC	na	37E	22.0S	27	7218	SANTA RITA 011	O	Active	0.63	Wantz/Abo
3002510401	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	22	3592	LANGLIE MATTIX PENROSE SAND UNIT 523	O	Active	0.64	Langlie Mattox
3002510568	ELDER & WILLINGHAM	3/6/1975	37E	22.0S	34	6550	T O MAY 001	O	Plugged	0.64	Drinkard
3002510414	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	22	3690	LANGLIE MATTIX PENROSE SAND UNIT 131	I	Active	0.65	Langlie Mattox
3002521810	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	34	3717	LANGLIE MATTIX PENROSE SAND UNIT 218	O	Active	0.66	Langlie Mattox
3002536697	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3820	LANGLIE MATTIX PENROSE SAND UNIT 203	O	Active	0.66	Langlie Mattox
3002510484	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3515	LANGLIE MATTIX PENROSE SAND UNIT 138	O	Active	0.66	Langlie Mattox
3002537387	BURLESON PETROLEUM, INC	na	37E	22.0S	22	7220	SANTA RITA 003	O	Active	0.66	Wantz/Abo
3002538325	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	28	3840	LANGLIE MATTIX PENROSE SAND UNIT 254	O	Active	0.67	Langlie Mattox
3002510497	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	28	3675	LANGLIE MATTIX PENROSE SAND UNIT 243	O	Active	0.67	Langlie Mattox
3002510502	ANADARKO PETROLEUM CORP	3/22/2002	37E	22.0S	28	3685	LANGLIE MATTIX PENROSE SAND UNIT 001	O	Plugged	0.67	Langlie Mattox
3002510415	BURLESON PETROLEUM, INC	na	37E	22.0S	22	6450	J V BAKER 009	O	Active	0.67	Drinkard
3002510473	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3651	LANGLIE MATTIX PENROSE SAND UNIT 192	I	Active	0.68	Langlie Mattox
3002523771	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	22	3700	LANGLIE MATTIX PENROSE SAND UNIT 141	O	Active	0.69	Langlie Mattox
3002526480	OXY USA INC	na	37E	22.0S	27	7200	LAURA J MAY 001	O	Active	0.69	Blinebry
3002528088	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	27	3715	LANGLIE MATTIX PENROSE SAND UNIT 311	O	Active	0.70	Langlie Mattox
3002510379	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	21	3648	LANGLIE MATTIX PENROSE SAND UNIT 521	I	Active	0.72	Langlie Mattox
3002510577	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	34	3700	LANGLIE MATTIX PENROSE SAND UNIT 361	I	Active	0.73	Langlie Mattox
3002538327	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	22	3835	LANGLIE MATTIX PENROSE SAND UNIT 525	O	Active	0.74	Langlie Mattox
3002510421	W H STREET	10/17/1941	37E	22.0S	22	3705	W B FARRELL 001	O	Plugged	0.74	Langlie Mattox
3002531659	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	22	3790	LANGLIE MATTIX PENROSE SAND UNIT 045	O	Active	0.76	Langlie Mattox
3002534497	ENCORE ENERGY PARTNERS OPERATING LLC	na	37E	22.0S	22	7360	SARAH JOHNSTON 001	O	Active	0.76	Drinkard
3002528461	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	34	3737	LANGLIE MATTIX PENROSE SAND UNIT 219	O	Active	0.76	Langlie Mattox
3002510491	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	28	3680	LANGLIE MATTIX PENROSE SAND UNIT 283	I	Active	0.79	Langlie Mattox
3002510496	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	28	3690	LANGLIE MATTIX PENROSE SAND UNIT 242	O	Active	0.79	Langlie Mattox
3002528126	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	34	3712	LANGLIE MATTIX PENROSE SAND UNIT 366	O	Active	0.79	Langlie Mattox
3002510578	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	34	3692	LANGLIE MATTIX PENROSE SAND UNIT 362	O	Active	0.80	Langlie Mattox
3002510485	TEXACO EXPLORATION ; PRODUCTION INC	12/19/1990	37E	22.0S	27	6458	J V BAKER 010	O	Plugged	0.80	Drinkard
3002510500	KEY ENERGY SERVICES, LLC	na	37E	22.0S	28	6797	CHRISTMAS 003	S	Active	0.80	San Andres
3002536701	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	22	3790	LANGLIE MATTIX PENROSE SAND UNIT 047	O	Active	0.80	Langlie Mattox
3002510490	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	28	3690	LANGLIE MATTIX PENROSE SAND UNIT 282	O	Active	0.81	Langlie Mattox
3002535883	BURLESON PETROLEUM, INC	na	37E	22.0S	27	7180	SANTA RITA 001	O	Active	0.81	Wantz/Abo
3002510405	OLEAN PETROLEUM CORP	5/8/1939	37E	22.0S	22	3757	W B FARRELL 002	O	Plugged	0.81	Langlie Mattox
3002534715	ENCORE ENERGY PARTNERS OPERATING LLC	na	37E	22.0S	22	7425	HSOG 002	O	Active	0.83	Silurian
3002510464	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	26	3669	LANGLIE MATTIX PENROSE SAND UNIT 172	O	Active	0.83	Langlie Mattox
3002510461	LEGACY RESERVES OPERATING, LP	12/18/2008	37E	22.0S	26	3646	LANGLIE MATTIX PENROSE SAND UNIT 182	I	Plugged	0.84	Langlie Mattox
3002510565	ANADARKO PETROLEUM CORP	8/19/1997	37E	22.0S	33	3710	LANGLIE MATTIX PENROSE SAND UNIT 002	I	Plugged	0.85	Langlie Mattox
3002525412	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	28	6700	A L CHRISTMAS 001	S	Active	0.87	San Andres
3002510566	LEGACY RESERVES OPERATING, LP	2/13/2008	37E	22.0S	33	3688	LANGLIE MATTIX PENROSE SAND UNIT 353	I	Plugged	0.87	Langlie Mattox
3002534611	ENCORE ENERGY PARTNERS OPERATING LLC	na	37E	22.0S	22	7475	SARAH JOHNSTON 002	O	Active	0.87	Drinkard
3002508968	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	21	3644	LANGLIE MATTIX PENROSE SAND UNIT 522	O	Active	0.87	Langlie Mattox
3002510571	ANADARKO PETROLEUM CORP	2/5/2002	37E	22.0S	34	3448	LANGLIE MATTIX PENROSE SAND UNIT 007	I	Plugged	0.88	Langlie Mattox
3002536212	ANADARKO PETROLEUM CORP	4/1/1985	37E	22.0S	34	3665	LANGLIE MATTIX PENRO 005	O	Plugged	0.88	Langlie Mattox
3002523580	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	28	3700	LANGLIE MATTIX PENROSE SAND UNIT 272	O	Active	0.88	Langlie Mattox
3002510572	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	34	3639	LANGLIE MATTIX PENROSE SAND UNIT 216	O	Active	0.88	Langlie Mattox
3002510460	ANADARKO PETROLEUM CORP	4/10/2002	37E	22.0S	26	3360	LANGLIE MATTIX PENROSE SAND UNIT 001	O	Plugged	0.88	Langlie Mattox
3002539376	RANGE OPERATING NEW MEXICO LLC	na	37E	22.0S	28	7052	CHRISTMAS 28 005	O	Active	0.89	Blinebry

3002510406	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	22	3555	LANGLIE MATTIX PENROSE SAND UNIT 041	I	Active	0.89	Langlie Mattox
3002510407	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	22	3685	LANGLIE MATTIX PENROSE SAND UNIT 042	O	Active	0.89	Langlie Mattox
3002510487	ANADARKO PETROLEUM CORP	5/20/1994	37E	22.0S	28	3412	LANGLIE MATTIX PENROSE SAND UNIT 001	O	Plugged	0.90	Langlie Mattox
3002510411	JOHN H HENDRIX CORP	na	37E	22.0S	22	7130	WILL CARY 006	O	Active	0.90	Montoya
3002512739	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	34	3688	LANGLIE MATTIX PENROSE SAND UNIT 365	O	Active	0.90	Langlie Mattox
3002523198	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	22	3708	LANGLIE MATTIX PENROSE SAND UNIT 152	I	Active	0.90	Langlie Mattox
3002538271	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	34	3800	LANGLIE MATTIX PENROSE SAND UNIT 368	O	Active	0.90	Langlie Mattox
3002510489	ANADARKO PETROLEUM CORP	1/25/2001	37E	22.0S	28	3681	LANGLIE MATTIX PENROSE SAND UNIT 001	O	Plugged	0.90	Langlie Mattox
3002531658	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	21	3800	LANGLIE MATTIX PENROSE SAND UNIT 105	O	Active	0.91	Langlie Mattox
3002538324	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	22	3840	LANGLIE MATTIX PENROSE SAND UNIT 154	O	Active	0.92	Langlie Mattox
3002522654	ANADARKO PETROLEUM CORP	3/11/2002	37E	22.0S	28	3700	LANGLIE MATTIX PENROSE SAND UNIT 287	I	Plugged	0.93	Langlie Mattox
3002510403	EXXON CORP	11/27/1972	37E	22.0S	22	8190	W B FARRELL 003	O	Plugged	0.93	Drinkard
3002510413	JOHN H HENDRIX CORP	na	37E	22.0S	22	7500	WILL CARY 008	O	Active	0.94	Drinkard
3002510383	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	21	3625	LANGLIE MATTIX PENROSE SAND UNIT 101	O	Active	0.95	Langlie Mattox
3002525264	CHEVRON U S A INC	9/2/1990	37E	22.0S	28	6704	MANDA B TR C 001	O	Plugged	0.95	Blinebry
3002538320	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	22	3845	LANGLIE MATTIX PENROSE SAND UNIT 048	O	Active	0.95	Langlie Mattox
3002534808	JOHN H HENDRIX CORP	na	37E	22.0S	26	7400	SHIRLEY BOYD 001	O	Active	0.95	Silurian
3002510416	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	22	3685	LANGLIE MATTIX PENROSE SAND UNIT 142	I	Active	0.96	Langlie Mattox
3002510553	ANADARKO PETROLEUM CORP	8/19/1997	37E	22.0S	33	3680	LANGLIE MATTIX PENROSE SAND UNIT 002	O	Plugged	0.96	Langlie Mattox
3002510463	JOHN H HENDRIX CORP	7/25/2005	37E	22.0S	26	6487	BAKER A 001	O	Plugged	0.97	Drinkard
3002510467	TEXACO EXPLORATION & PRODUCTION INC	2/20/1985	37E	22.0S	26	6450	BAKER A 005	O	Plugged	0.97	Blinebry
3002536700	LEGACY RESERVES OPERATING, LP	na	37E	22.0S	22	3795	LANGLIE MATTIX PENROSE SAND UNIT 046	O	Active	0.98	Langlie Mattox
3002539049	RANGE OPERATING NEW MEXICO LLC	na	37E	22.0S	28	6995	CHRISTMAS 28 004	O	Active	0.98	Blinebry
3002510586	SHELL OIL CO	4/30/1951	37E	22.0S	35	3622	T O MAY 001	O	Plugged	0.99	Langlie Mattox

Zone of Completion
- Salt
- Langlie Mattix
- Drinkard
- Wantz/Abo
- Blinebry
- Montoya
- Silurian
- Plugged Well

Note: Table is sorted by increasing distance from proposed Versado AGI #1

APPENDICES

APPENDIX A

DATA ON SAN ANDRES FORMATION FLUID AND ANALYSIS OF INJECTION FLUIDS

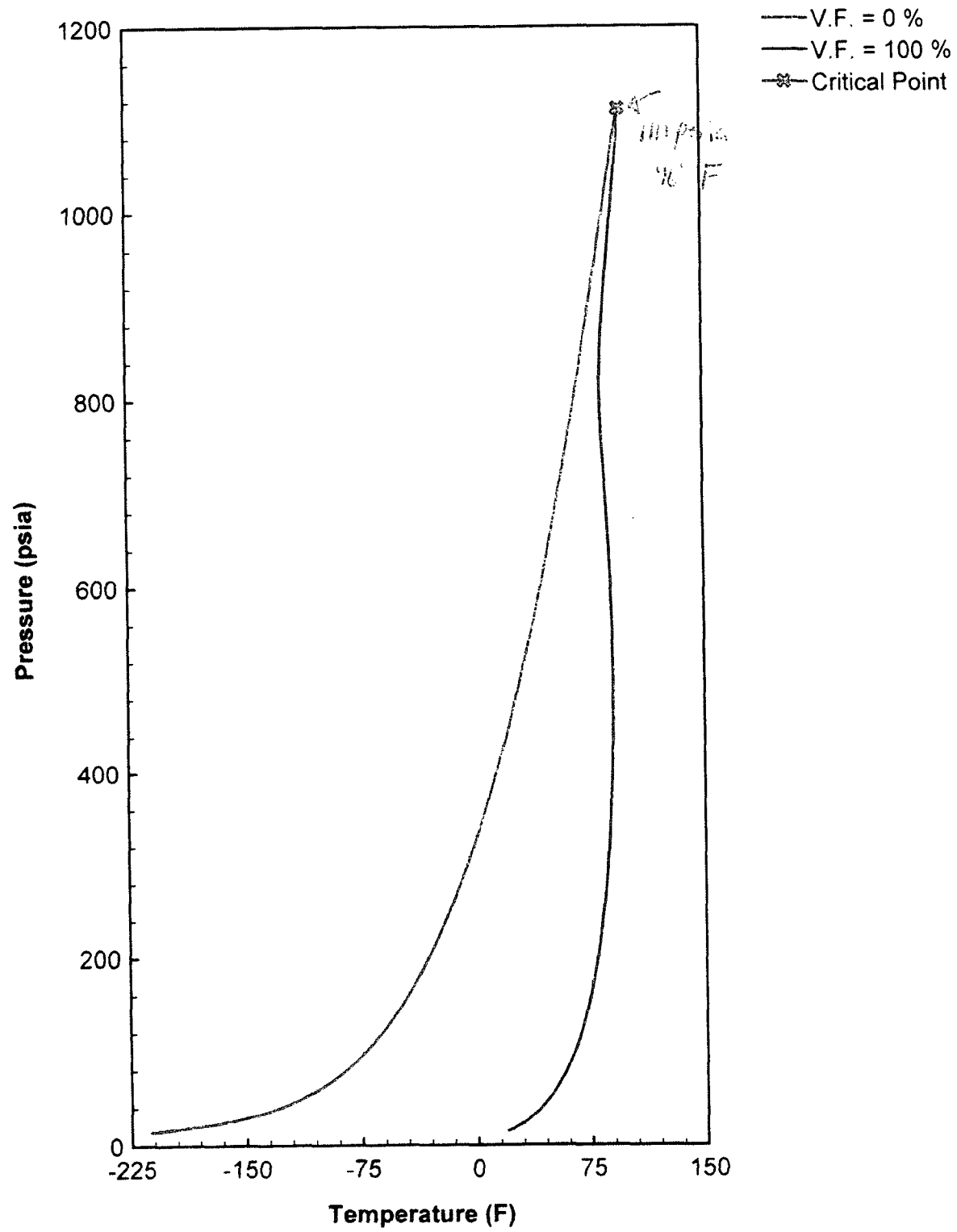
ENHANCE ACID GAS COMPOSITION
RANGE - [illegible] - 4.9 MMscfd

Extended Analysis

Date	9/27/2006
	Mol %
H2S	14.5
Nitrogen	0.138
Methane	0.7482
CO2	83.7874
Propane	0.6234
N-Butane	0.0117
I-Pentane	0.0087
N-Pentane	0.0065
Cyclopentane	0.0014
2-Methylpentane	0.0026
3-Methylpentane	0.0022
N-Hexane	0.0052
Methylcyclopentane	0.0056
Benzene	0.0103
Cyclohexane	0.0215
N-Heptane	0.0122
Methylcyclohexane	0.0206
Toluene	0.0118
N-Octane	0.0103
Ethylbenzene	0.02
M&P Xylene	0.0069
O-Xylene	0.0029
N-Nonane	0.0427
N-Decane	0
Total	100.0001

Entire Acid Gas - Dense Phase

Phase Envelope (PT)



Analytical Laboratory Report for:

TARGA MIDSTREAM SERIVCES

BJ Chemical Services

Account Representative:
Woody, Brad

Industrial Water Analysis

Listed below please find water analysis report from: EUNICE MIDDLE GAS P, Cooling Tower

Lab Test No:	2009114980	Sample Date:	03/31/2009
TDS (mg/L):	3471	pH:	6.80
Conductivity:	6430.00 µmhos		

Cations:	mg/L	as:
Calcium	1025.00	($CaCO_3$)
Magnesium	914.64	($CaCO_3$)
Total Hardness	1939.64	$CaCO_3$)
Iron	0.33	(Fe^{**})
Anions:	**mg/L**	**as:**
M-Alkalinity	64.0	($CaCO_3$)
P-Alkalinity	0.0	($CaCO_3$)
Silica	233.26	(SiO_2)
Sulfate	1050	($SO_4^{=}$)
Chloride	1500	(Cl^{-})
Total Phosphorous	16.60	(PO_4^{-3})
ortho-Phosphate	8.07	(PO_4^{-3})

Analytical Laboratory Report for:

TARGA

BJ Chemical Services

Account Representative:
Brad Woody

Industrial Water Analysis

Listed below please find water analysis report from: South Plant, Skimmer Tank

Lab Test No:	2009114981	Sample Date:	03/31/2009
TDS (mg/L):	27364	pH:	6.70
Conductivity:	62500.00 µmhos		

Cations:	mg/L	as:
Calcium	2377.50	($CaCO_3$)
Magnesium	7119.36	($CaCO_3$)
Total Hardness	9496.86	$CaCO_3$)
Iron	571.00	(Fe^{++})
Manganese	15.25	(Mn^{++})
Anions:	**mg/L**	**as:**
M-Alkalinity	737.0	($CaCO_3$)
P-Alkalinity	0.0	($CaCO_3$)
Silica	25.42	(SiO_2)
Sulfate	24	($SO_4^{=}$)
Chloride	23600	(Cl^-)

Analytical Laboratory Report for:

TARGA

BJ Chemical Services

Account Representative:
Brad Woody

Industrial Water Analysis

Listed below please find water analysis report from: South Plant, Bullet Tank

Lab Test No:	2009114982	Sample Date:	03/31/2009
TDS (mg/L):	7796	pH:	6.53
Conductivity:	20000.00 µmhos		

Cations:	mg/L	as:
Calcium	1982.50	($CaCO_3$)
Magnesium	506.76	($CaCO_3$)
Total Hardness	2489.26	$CaCO_3$)
Iron	359.00	(Fe^{++})
Manganese	4.16	(Mn^{++})
Anions:	**mg/L**	**as:**
M-Alkalinity	127.0	($CaCO_3$)
P-Alkalinity	0.0	($CaCO_3$)
Silica	10.34	(SiO_2)
Sulfate	29	($SO_4^{=}$)
Chloride	6400	(Cl^-)

The specific gravity of acid gas injection fluids is highly dependent on the temperature and pressure conditions and the composition of the fluid mixture. It is most accurately calculated using a modification of the Peng-Robinson (PR) equation of state (EOS) model (Boyle and Carroll, 2002). We have calculated the specific gravities of the TAG condensate and the aqueous phases for the proposed Targa injection stream using the AQUAlibrium 3.1 software which employs the modified PR EOS model (Appendix *). Three injection scenarios have been modeled: 1) the proposed average daily injection mixture of 4.35 MMSCF TAG and 600 Bbls waste water (TAG:WW ratio of 51:49); 2) the proposed maximum daily injection mixture of 5.0 MMSCF TAG and 1200 Bbls waste water (TAG:WW ratio of 37:63); and 3) the proposed wettest daily injection mixture of 4.35 MMSCF TAG and 1200 Bbls waste water (TAG:WW ratio of 34:66). In all models, the TAG was assumed to have a composition of 83.8 mol % CO2 and 14.5 mol % H2S (the remaining fraction includes C_1-C_7; inclusion of this fraction into the calculations results in small variations on the order of several %). The specific gravities were determined for the conditions at the well head (pressure = 1200 psi, temperature = 100°F), at the bottom of the well (pressure = 2505 psi, temperature = 100°F); and in equilibrium with the reservoir (pressure = 2505 psi, temperature = 135°F). The specific gravities determined were then used in calculations of maximum injection pressure and injection volume.

Table 1: Pressure and Volume Calculations for TAG and Wastewater, Targa AGI/SWD #001

PROPOSED INJECTION STREAM CHARACTERISTICS

TAG	H_2S	CO_2	H_2S	CO_2	TAG	Waste Water (WW)			Mixed TAG + WW	
Gas vol	conc.	conc.	inject rate	inject rate	inject rate	inject rate	Density	inject rate	comp	inject rate
MMSCFD	mol %	mol %	lb/day	lb/day	lb/day	bbl/day	kg/m^3	lb/day	TAG:H_2O	lb/day
5	14.5	83.8	68819	513595	582414	1575	1010	552018	31:69	1134432

CONDITIONS AT WELL HEAD

Well Head Conditions		TAG								WW	Mixed	
Temp	Pressure	Gas vol	Comp	Inject Rate	Density[1]	SG[2]	density	volume	volume	volume	volume	volume
F	psi	MMSCFD	CO_2:H_2S	lb/day	kg/m^3		lb/gal	ft^3	bbl	bbl	bbl	bbl/30yr
100	1482	5	84:15	582414	664.29	0.66	5.55	14037	2500	1575	4075	44653661

CONDITIONS AT BOTTOM OF WELL

Injection Zone Conditions					TAG					WW	Mixed	
Temp	Pressure[3]	$Depth_{top}$	$Depth_{bottom}$	MW[4]	Density[1]	SG[2]	density	volume	volume	volume	volume	volume
F	psi	ft	ft	lb/gal	kg/m^3		lb/gal	ft^3	bbl	bbl	bbl	bbl/30yr
100	2439	4250	4950	10.2	815.26	0.82	6.81	22279	3968	1575	5543	60737941

CONDITIONS IN RESERVOIR AT EQUILIBRIUM

Injection Reservoir Conditions					TAG					WW	Mixed	
Temp[5]	Pressure[3]	$Depth_{top}$	$Depth_{bottom}$	Porosity[6]	Density[1]	SG[2]	density	volume	volume	volume	volume	volume
F	psi	ft	ft	ft	kg/m^3		lb/gal	ft^3	bbl	bbl	bbl	bbl/30yr
135	2439	4250	4950	70	665.30	0.67	5.56	27301	4862	1575	6437	70538326

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 = 0.433/8.33 * MW * $Depth_{mid}$ = 2532 psi

[4] MW = est. drilling mud weight

[5] Reservoir temp. is estimated using geothermal gradient for Basin

[6] Porosity is estimated using geophysical logs for API 30-025-36482

CALCULATION OF MAXIMUM INJECTION PRESSURE LIMITATION

$SG_{bif} = (SG_{WW} * Vol_{WW} + SG_{TAG} * Vol_{TAG}) / (Vol_{WW} + Vol_{TAG})$ 0.80

$PG = 0.2 + 0.433\ (1.04 - SG_{bif})$ 0.304 psi/ft

$IP_{max} = PG * Depth$ 1292 psi

Where: SG_{bif}, SG_{WW}, and SG_{TAG} are specific gravities of blended injection fluid, waste water, and TAG, respectively; Vol_{WW} and Vol_{TAG} are injected volumes of water and TAG in bbl/day, respectively; 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)	36144	ft^3/day
Cubic Feet/30 years	396044484	ft^3/30 years
Area = V/Net Porosity (ft)	5657778	ft^2/30 years
Area = V/Net Porosity (ft) (43560 ft^2/acre)	129.9	acres/30 years
Radius =	1342	ft

APPENDIX B

PROPOSED AGI/SWD WELL RECOMPLETION INFORMATION

Cambrian
MANAGEMENT, LTD.

P.O. Box 272
Midland, Texas 79702
Off: 432-620-9181
Fax: 432-570-0102

Emergency Sheet

Well: Eunice Gas Plant SWD Well No. 1
Location: 2500' FSL 1200' FWL of Section 27, T22S, R37E,
Lea County, New Mexico
Operator: Targa Midstream Services, LP
TD: 4,950'

Drilling Contractor:

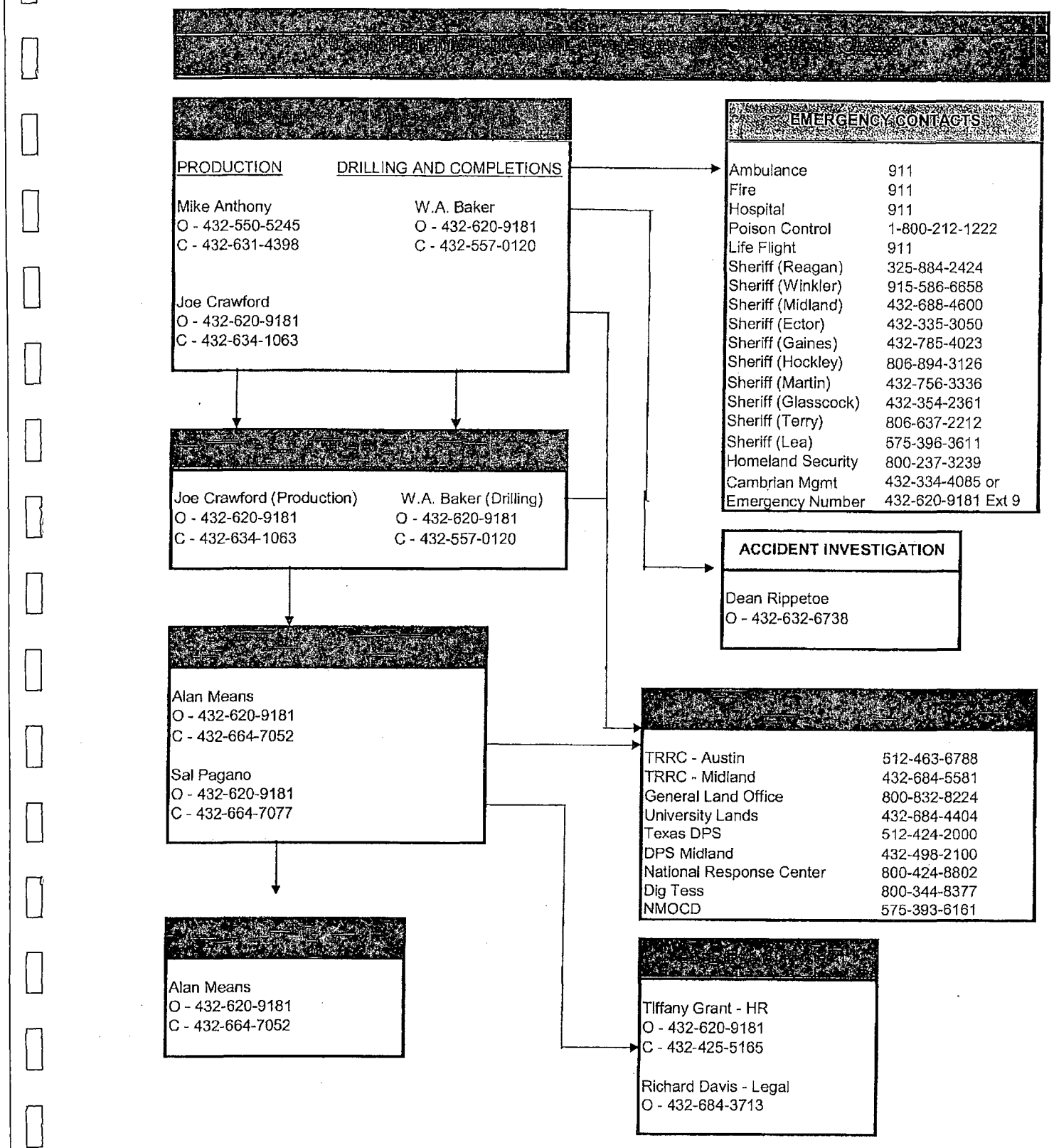
Lat. 32.362642" N / Long 103.155547" W

Sheriff and EMS Lea Co.	**(575)396-3611**
Lea Co. Hospital (Hobbs)	**(575)396-8521**
MedTrans Care Star Helicopter	**(888) 624-3571**

Directions to the Eunice Gas Plant SWD Well No. 1
From Eunice, NM go south on Loop 207 approximately 5 miles. Turn into Targa South Plant. Well is within plant facility.

Cambrian Management (Operations)

		Office	Cell
W. A. Baker	Drlg. Oper. Mgr.	(432) 620-9181	(432) 557-0120
Alan Means	Media Spokesman	(432) 620-9181	(432) 664-7052
Joe Goodrich	Wellsite Consultant		(575) 746 7082


PRODUCTION
Mike Anthony
O - 432-550-5245
C - 432-631-4398
Joe Crawford
O - 432-620-9181
C - 432-634-1063
DRILLING AND COMPLETIONS
W.A. Baker
O - 432-620-9181
C - 432-557-0120
EMERGENCY CONTACTS
Ambulance 911
Fire 911
Hospital 911
Poison Control 1-800-212-1222
Life Flight 911
Sheriff (Reagan) 325-884-2424
Sheriff (Winkler) 915-586-6658
Sheriff (Midland) 432-688-4600
Sheriff (Ector) 432-335-3050
Sheriff (Gaines) 432-785-4023
Sheriff (Hockley) 806-894-3126
Sheriff (Martin) 432-756-3336
Sheriff (Glasscock) 432-354-2361
Sheriff (Terry) 806-637-2212
Sheriff (Lea) 575-396-3611
Homeland Security 800-237-3239
Cambrian Mgmt 432-334-4085 or
Emergency Number 432-620-9181 Ext 9
Joe Crawford (Production)
O - 432-620-9181
C - 432-634-1063
W.A. Baker (Drilling)
O - 432-620-9181
C - 432-557-0120
ACCIDENT INVESTIGATION
Dean Rippetoe
O - 432-632-6738
Alan Means
O - 432-620-9181
C - 432-664-7052
Sal Pagano
O - 432-620-9181
C - 432-664-7077
TRRC - Austin 512-463-6788
TRRC - Midland 432-684-5581
General Land Office 800-832-8224
University Lands 432-684-4404
Texas DPS 512-424-2000
DPS Midland 432-498-2100
National Response Center 800-424-8802
Dig Tess 800-344-8377
NMOCD 575-393-6161
Alan Means
O - 432-620-9181
C - 432-664-7052
Tiffany Grant - HR
O - 432-620-9181
C - 432-425-5165
Richard Davis - Legal
O - 432-684-3713

Cambrian
MANAGEMENT, LTD

P.O. Box 272
Midland, Texas 79702
Off: 432-620-9181
Fax: 432-570-0102

Eunice Gas Plant SWD Well No. 1
Drilling Program Contact List

Company	Contact	Description	Contact No.
Cambrian Management			
	W.A. Baker wbaker@cambrianmgmt.com	**Drilling Operations Manager**	(432) 557-0120 Cell (432) 620-9181 Office (432) 570-0102 Fax
Targa	Jim Lingnau		(505) 631-2095
EWC	Joe Goodrich	**Wellsite Supervisor**	(575) 746-7082 Cell
Key Energy Services		**Drilling Rig - 115** **Pusher** **Pusher**	
Ellison Fluid Calipers		**Fluid Caliper**	432-634-0500
Closes Loop Specialty		**Closed Loop Pit System**	432-210-5754
Halliburton		**Cementers**	800-658-9607 Office
Catalyst		**Corrosion Chemicals**	432-664-8776
Targa	Jim Lingnau	**Casing/Tubing**	(505) 631-7095
T3 Energy Services		**Wellheads/Supplies**	(432)381-2354 Office
NMOCD		**Spud/Cementing Notices**	(575)393-6161
NOV		**Mud**	(575)392-4932 Cell
Knight Oil Tools		**Rental Tools**	(432) 684-8282
Weatherford		**Float Equipment**	800-658-9607 Office
		Bits	
Halliburton		**Packer**	
Halliburton		**SSSV**	

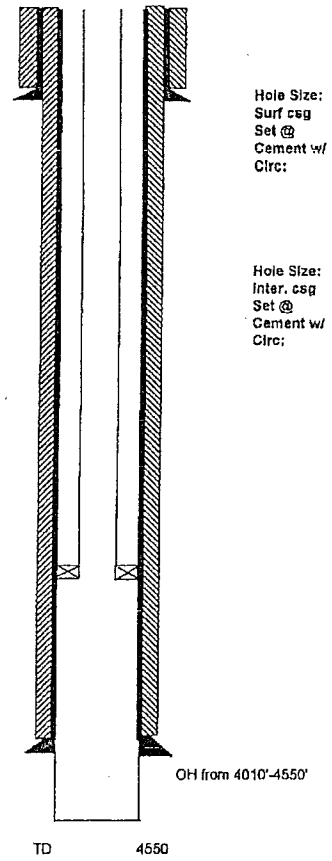
Eunice Gas Plant #1

	Location:
Footage:	2500 FSL & 1200 FWL
Section:	27
Survey:	T22S R37E
County:	Lea
Elevations:	
GR:	3345
TD:	4550
PBTD:	

History	
	Spud
	Completion
	Re-completion
1/1/1961	Well drilled and completed
?	Tubing and packer ran into well as disposal string.
1/1/1978	Metal in returns at 3985' to 4005' during workover. Returned to SWD w/ packer at 3865'.
1/1/1991	Blew hole in 7" during compliance test. Details sketchy but casing was perforated at 550'. Unable to pump in. Perforated at 300'. Unable to pump in. Perforated at 100'. Halib cmtd.
1/1/1995	Possible Workover. No records.
4/1/1997	Set CIBP @ 3925' & dump 20' cement on it. Dowell squeezed down 7" w/ 400 sxs + ? sxs (2 Jobs). Drilled cement from 291' to 356'. Repaired 10 3/4 & 7" @ 4' from GL. Drilled out cement and CIBP. Unable to c/o below 4430'. Pkr @ 3847'.
1/1/99	Pkr found unset during w/o. No records.
1/1/2000	Last time we pulled?

Tubing Detail (top to bottom)	
Joints	Description
125	3 1/2" IPC tbg
1	X-over
1	Halliburton R-4 packer @ 3814

Rod Tally	
Joints	Description
Total	



API No:	30-025-21497

Hole Size:	15
Surf csg	10 3/4
Set @	300
Cement w/	300 sxs
Circ:	Surface

Hole Size:	8 3/4
Inter. csg	7" 20#
Set @	4010
Cement w/	1750 sxs
Circ:	Surface

Eunice Gas Plant #1

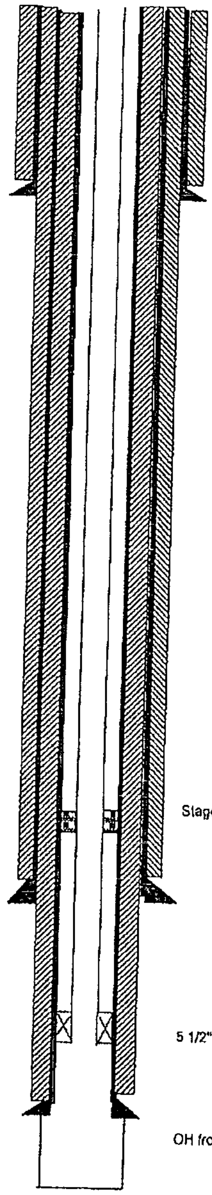
	Location:
Footage:	2500 FSL & 1200 FWL
Section:	27
Survey:	T22S R37E
County:	Lea
Elevations:	
GR:	3345
TD:	4550
PBTD:	

History	
	Spud
	Completion
	Re-completion
1/1/1961	Well drilled and completed
?	Tubing and packer ran into well as disposal string.
1/1/1978	Metal in retuns at 3985' to 4005' during workover. Returned to SWD w/ packer at 3865'.
1/1/1991	Blew hole in 7" during compliance test. Details sketchy but casing was perforated at 550'. Unable to pump in. Perforated at 300'. Unable to pump in. Perforated at 100'. Hallib cmtd.
1/1/1995	Possible Workover. No records.
4/1/1997	Set CIBP @ 3925' & dump 20' cement on it. Dowell squeezed down 7" w/ 400 sxs + ? sxs (2 Jobs). Drilled cement from 291' to 355'. Repaired 10 3/4 & 7" @ 4' from GL. Drilled out cement and CIBP. Unable to c/o below 4430'. Pkr @ 3847'.
1/1/99	Pkr found unset during w/o. No records.
1/1/2000	Last time we pulled?

	Tubing Detail (top to bottom)
Joints	Description
	2 7/8 FG lined tbg
	Halliburton SSSV
	2 7/8 FG lined tbg
	Halliburton pkr @ 4200

	Rod Tally
Joints	Description
Total	

API No:	30-025-21497



Hole Size: 15
Surf csg: 10 3/4
Set @: 300
Cement w/: 300 sxs
Circ: Surface

Hole Size: 8 3/4
Inter. csg: 7" 20#
Set @: 4010
Cement w/: 1750 sxs
Circ: Surface

Hole Size: 8 1/4
Prod. Csg: 5 1/2" 17# J-55
Set @: 4250
Cement w/: 220 sxs
Circ: Surface
Stage tool @ 3960'

Cambrian
MANAGEMENT, LTD.

P.O. Box 272
Midland, Texas 79702
Off: 432-620-9181
Fax: 432-570-0102

Well: Eunice Gas Plant SWD Well No. 1
Location: 2500' FSL & 1200' FWL, Section 27, T22S, R37E, Lea County, New Mexico
Elevation: 3345' GL
AFE No.:
Permit No.:
API No.: 30-025-21497
Operator: Targa Midstream Services, LP
TD: 4950'

Drilling Contractor: Key Energy Services Rig No. 115 KB:

Directions to the Eunice Gas Plant SWD Well No. 1: From Eunice, New Mexico go south on Loop 207 approximately 5 miles. Turn into Targa South Plant. Well is within plant facility.

RE-ENTRY & DRILLING PROGNOSIS
(Steps 1-8 have been completed)

1. MI&RU Pulling unit.
2. NU BOP, set pipe racks and catwalk.
3. Unseat Halliburton R-4 packer and POH LD 3 ½" tbg. Move tubing to edge of location.
4. RU wireline company. Run GR and junk basket to 3800'. Set CIBP @ 3800'.
5. Load hole with clean water.
6. ND BOP's. RDMO pulling unit.
7. Remove old wellhead. Prep to install new wellhead equipment.
8. Install new T3 Energy wellhead equipment. Test same.
9. NU and test BOP's with 250/3000 psi test.
10. Install cellar. Repair location for Key 24 hr rig.

11. MI & RU Key Rig No. 115 & closed loop pit system.

- Notify OCD of intent to spud well.

12. PU 6 ¼" bit, 4 ¾" DC's on 2 7/8" DP. TIH to CIBP @ 3800'.
13. Drill out CIBP.
14. TIH with bit to 4250'.
    - Mud up as necessary.
    - Circulate clean.
    - **Run fluid caliper to determine cement volumes.**
15. TIH to original TD of 4550'
    - Watch for junk on bottom.
16. Drill new 6 ¼" hole to 4950' utilizing closed loop system.
17. Circulate hole clean. Spot clean water from TD back to bottom of 7" casing.
18. TOH with bit. LDDC's.
19. TIH open ended with DP to bottom of casing.
20. Spot sand on bottom to PB to 4250'.
21. PUH to 3500' & wait for sand to settle out.
22. TIH & tag sand. Respot as necessary.
23. POH. LD DP.
24. Change BOP rams to 5 ½".
25. Run casing as below.
    - Notify OCD of upcoming cement job.

1.5'	Float Shoe
40'	1 jt. 5 ½" 17# J-55 SJ-2 casing
1.5'	Float collar
20'	5 ½" 17# alloy SJ-2 casing
237'	5 ½" 17# J-55 SJ-2 casing
1.5'	5 ½" LTC x 5 ½" SJ-2 crossover
5'	5 ½" Weatherford stage tool
3945'	5 ½" 17# J-55 LTC (turned down couplings) casing.

Install centralizers at 10' above shoe, middle of alloy casing, 5 on the steel casing above alloy in open hole, and 2 on casing just inside of 7" casing.

- **Limit running speed to 1200 fph. Use cementing swedge to fill casing. KEEP PIPE MOVING IN THE OPEN HOLE – EVEN WHILE FILLING UP CASING.**
- **Make sure cementing company has proper swedge for casing.** (Need 5 ½" LTC and 5 ½" SJ-2 swedges)
- **Limit pipe tension at surface to 75,000 lbs. (Pipe Tension = Weight Indicator – Traveling block/hook weight).** Air weight of casing = 72,250 lbs. Do not exceed without discussing with engineer.
- Use thread lock on casing shoe and on pin end of 2nd and 3rd joints.
- **Use Best-O-Life 2000 pipe dope**

26. Circulate 1.5 casing volumes. Mix and pump cement per attached 2 stage cementing proposal. **Do not reciprocate casing.** Catch wet and dry surface samples of both lead and tail slurries. Drop wiper plug. Flush cement lines.
27. Monitor returns throughout the job. **Note estimated percentage of returns on the morning reports.** Reduce displacement rate to 2 bpm for the last 10 bbls. Calculate exact displacement volume on location. Verify floats are holding. If floats do not hold, rock floats in an attempt to get them to hold. If floats still do not hold, shut-in casing for 6 hours while WOC to prevent U-tubing. Check surface samples prior to releasing pressure. Calculate U-tube pressure and apply to casing if float does not hold.

Note the number of sacks of cement used, slurry recipe, slurry yield, slurry density, and number of centralizers on the morning report. If there is problem on cement job discuss running a temperature survey with operations coordinator.

28. Verify annulus is static. PU BOP. Set slips on 5 ½" casing. Hang off full string weight on slips. Record hanging weight on the morning report.
29. Cut off 5 1/2" casing. Install and test head.
30. RD&MO Key 115.
31. MI&RU completion unit.
    - WOC at least 72 hours prior to commencing completion work
32. NU BOP's with 2 7/8" and blind rams. Test with 1500 psi.
33. PU 4 3/4" bit and 3 1/8" DC's on 2 7/8" work string and TIH.
34. Tag cement on stage tool. Test casing with 1500 psi. Drill out cement and stage tool.
35. Circ clean and TIH to cement on float collar. Test casing with 1500 psi.
36. Drill out cement and float equipment. Continue in hole washing circulating out sand from open hole.
37. Circ hole clean. PUH into 5 ½" casing. Trip back to TD to check for fill.
38. Circ hole clean. Spot 10% acetic acid cross open hole interval.
39. TOH LD workstring & DC's.
40. RU Halliburton wireline truck. Run GR/CCL/CBL from bottom of 5 ½" casing to surface.
41. Run and set Halliburton packer approximately 5' from bottom of alloy casing.
    - Notifiy OCD of intent to set packer and run tubing.

42. RU and run packer seal assembly on 2 7/8" fiberglass lined tubing.
    - Run SSSV at 250'±
43. Space out seals in packer. Displace with packer fluid.
44. Set in packer. Test packer with 1500#. Remove BOP's and install tree.
45. RD & MO completion rig.
46. Clean and level location.
47. RU pump truck. Pump 200 bbl of water into well.
48. Stimulate additionally if required.
49. Notify OCD and run MIT.
50. Await installation of disposal lines.

PREPARED FOR:

Mr. W.A. Baker
TARGA MIDSTREAM SERVICES
(CAMBRIAN MANAGEMENT)
Midland, Texas

Versado AGI #1 (Re-entry)
Section 27
T-22-S
R-37-E
Lea County, New Mexico

Prepared by:
Gary Brown
April 7, 2010

NOV NATIONAL OILWELL VARCO

Fluids Services
415 W. Wall, Suite 530
Midland TX 79701
Phone: 432-684-7446
Fax: 432-684-7473

April 7, 2010

Mr. W.A. Baker
TARGA Midstream Services
c/o Cambrian Management, LTD
303 W. Wall Street, Ste 500
Midland, Texas 79702-0272

Dear Mr. Baker,

Thank you for the opportunity to submit our drilling fluid recommendations for your Versado AGI #1 re-entry, in Lea County, New Mexico. These recommendations are based on information from your office, offset well data, and our knowledge of the area.

Of particular concern in this area is the potential for abnormal pressure, water flows and H_2S in the disposal interval. However, it has been our experience on re-entries that almost anything can happen:

- Plugs can be at the wrong depth, or missing completely
- Casing can be compromised or collapsed
- Pressure can be from water flows or gas
- Pressure can be abnormally high or low
- High pressure can be low volume, or high volume,
- Lost circulation can occur in the most unlikely zones as well as the expected ones

Therefore, we hope for the best but plan for the worst and recommend you have:

- an adequate sized pre-mix pit to mix re-entry fluid and/or kill mud
- a supply of fresh & brine water to kill the well with weights between 8.4 and 10.0ppg
- a supply of sack barite for kill weights above 10.0ppg
- a supply of Star Hib TSW in case there is the presence of H_2S
- a supply of liquid Xanthan Gum and starch on location for viscosity and/or fluid loss control
- a supply of various sized lost circulation material

All support services, including warehousing and trucking for this well, are in Hobbs, New Mexico. Thank you for considering us to be a part of your drilling team, and we look forward to working with you in the future.

Sincerely,

Gary Brown
NOV® Fluids Services
Permian District

DRILLING FLUID SYNOPSIS

TARGA Midstream Services
Versado AGI #1 (Re-entry)
Section 27
T-22-S
R-37-E
Lea County, New Mexico

Recommended Casing

7"	at	4,000'
5 ½"	at	4,500'

DEPTH	MUD WEIGHT	VISCOSITY	FLUID LOSS	DRILL SOLIDS	COMMENTS
4,000'-5,000'	9.5 to 10.0	28 to 29	No Control	<1%	Cut Brine, Star NP-110, Paper, Lime

ESTIMATED FORMATION TOPS

ANHYDRITE	1,122'
YATES	2,560'
SEVEN RIVERS	2,815'
QUEEN	3,320'
PENROSE	3,430'
GRAYBURG	3,590'
SAN ANDRES	3,816'
7" CASING SET AT	4,000'
GLORIETA	4,945'
TD	5,000'

RECOMMENDED DRILLING FLUID PROGRAM

DEPTH	WEIGHT	VISCOSITY	FILTRATE
4,000'-5,000'	9.5-10.0	28-29	No Control

Drill out from under casing with cut brine, circulating the closed loop. Hopefully, the "rat hole" should be easily cleaned since the well has been used as a disposal well. However, if drilling is required, take care to not "walk out" of the original well bore. Lime should be used to control the pH at 9.0 to 10. Utilize Star NP-110 for hole sweeps and to control solids. Paper should be used to control seepage and for sweeps. If lost circulation is encountered in this interval, please refer to NOV® Fluids Services' Lost Circulation Procedures. There is a potential for H_2S in this interval. If H_2S is encountered, we recommend additions of an H_2S scavenger for personnel safety and a filming amine to protect the drill pipe. We recommend sweeping the hole with a viscous, 50-60 sec/1,000cc's viscosity, Salt Gel pill and then spotting a viscous Salt Gel pill in the open hole prior to evaluation and running pipe. This should be sufficient for logging and casing operations.

John Hendrix Corp., Elliott B-15 #5, Section 15, T-22-S, R-37-E, reported moderate seepage @ 4,209'

John Hendrix Corp., Parks #13, Section 14, T-22-S, R-37-E, reported 60bbls/hour water flow @ 4,950'

Fluids Services

LOST CIRCULATION PROCEDURES

Loss of circulation is a possibility on this well. Although each well is different, there are some basic procedures and drilling practices that can aid in reducing the severity or, in some cases, prevent lost circulation. Below is a list, which may prove helpful.

1. Maintain viscosities as low as possible and still clean the hole.
2. Maintain mud weights as low as possible without jeopardizing safety.
3. Use slow trip speeds to prevent swabbing and surging.
4. Break circulation in stages with reduced pump strokes while tripping in the hole.
5. Rotate pipe prior to and while tripping in the hole.
6. Use an optimum hydraulics program.

Severe seepage to total loss of circulation may occur even when the above procedures are followed. For severe seepage, we recommend circulating pills (50-100bbls. depending on hole size) containing 10-30 ppb of various (fibrous and flake) lost circulation material. It would be helpful to reduce pump rates until full returns are established. Once full returns are regained, normal pump rates should be returned to in stages. The inclusion of lost circulation material in the entire system is recommended only if the above procedures do not adequately seal off the loss zone.

For total loss of circulation, we recommend pulling enough stands to place the bit above the loss zone. A viscous pill containing the appropriate type of loss circulation material should be spotted. The size of the pill should be determined by hole size and should contain at least 30 ppb lost circulation material. Several attempts should be made before considering other alternatives. After returns are regained, we recommend staging back to bottom using the procedure outlined above.

If returns are not fully re-established, consideration should be given to dry drilling while pumping periodic sweeps to ensure hole cleaning.

Fluids Services

PERMIAN DISTRICT PERSONNEL

MIDLAND OFFICE	800-669-7146
Larry Wadzeck	Regional Manager Permian/MidCon
Gary Brown	District Engineering Manager
Gerald Huff	District Sales & Marketing Manager
Mike Mundy	District Sales & Marketing
Carlton Crownover	Technical Sales

WEST TEXAS ENGINEERING	800-669-7146
Tony Martin	Senior Sales and Service Engineer
Chris Lee	Sales and Service Engineer
Mark Price	Senior Sales and Service Engineer
Tom O'Reilly	Senior Sales and Service Engineer
Steve Wilson	Senior Sales and Service Engineer

NEW MEXICO ENGINEERING	800-669-7146
Fred Flores	Senior Sales and Service Engineer
Josh Jones	Senior Sales and Service Engineer

Weatherford

WEATHERFORD DRILLING AND WELL SERVICES
3000 WEST COUNTY RD
HOBBS NM 88240
UNITED STATES

QUOTATION

Quote Number: 187114 SQ
Order Date: MAY 03 2010
Customer Reference: VERBAL
Location: 80026 HOBBS
Phone No.: 575.391 9811
Fax No.: 575.393 1244
FDC Number: FDC # 4070 E10023

76-0486916

TO: 1588331

TARGA RESOURCES INC
1000 LOUISIANA ST SUITE 4300
HOUSTON TX 77002-5050
UNITED STATES

LOCATION: 1588331

TARGA RESOURCES INC
1000 LOUISIANA ST SUITE 4300
HOUSTON TX 77002-5050
UNITED STATES
76-0486916

TERMS	QUOTE VALIDITY	ENTERED BY
Net 30 days		SHIFFLETT, BILL G
SHIPPING TERMS	**SHIPPING INSTRUCTIONS**	
EXW Ex Works	price group 5	

LINE No	ITEM NUMBER DESCRIPTION		UoM	QTY SHIPPED	UNIT PRICE	EXTENDED PRICE
1.000	Legacy #: 3030051BHDLPG00170 SHOE, FLOAT 5-1/2 303 CONC CONCRETE P110 AB HDL BLANK 17.0	Part #: 573253	EA	1.00	677.1200	677.12
2.000	Legacy #: 4020051BHDLPG00170 COLLAR, FLOAT 5-1/2 402 P110 STD AB HDL BLANK 17.0	Part #: 576650	EA	1.00	886.4400	886.44
3.000	Legacy #: 751E051ER00PG00123 STAGE TOOL, MECHANICAL 5-1/2 751E P110 LTC 17.0-23.0	Part #: 583095	EA	1.00	4,716.1800	4,716.18
4.000	Legacy #: 823355 Machine charge to cut sj2 thre	Part #: 823355	EA	3.00	710.0000	2,130.00
5.000	Legacy #: 823355 Machine charge to mill dv tool	Part #: 823355	EA	1.00	250.0000	250.00
6.000	Legacy #: B1102551 CENTRALIZER, BOW SPRING 5-1/2STR LO LPWLD B-SERIES 25B CS	Part #: 472228	EA	10.00	28.7000	287.00
7.000	Legacy #: 6020051 COLLAR, STOP 5-1/2 LO STD STSCR 10 GA X 2 CS	Part #: 582379	EA	8.00	37.0500	296.40
8.000	Legacy #: 7010010 THREAD, COMPOUND TUBE-LOK 1/2LB KITS	Part #: 472158	EA	2.00	37.0500	74.10
9.000	Legacy #: 178173 DELIVERY CHARGES	Part #: 178173	EA	1.00	100.0000	100.00

Weatherford (such term shall include any subsidiary, division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford' s standard terms and conditions, a copy of which can be found at www.weatherford.com/t&c shall be applicable to the provision of such equipment, materials or services. [A paper copy of these standard terms and conditions will be provided to you upon your written request.]

TOTAL (USD) 9,417.24

HALLIBURTON

Cambrian Management Ltd
PO Box 272
Midland, Texas 79702

Eunice Plant AGD Well 1

Lea County, New Mexico
United States of America
API/UWI 3002521497

Cementing Cost Estimate

Prepared for: W. A. Baker
April 9, 2010
Version: 3

Submitted by:
Kyle Baros

Halliburton
4000 N. Big Spring, Ste 200
Midland, Texas 79705
432.202.6581

HALLIBURTON

Halliburton appreciates the opportunity to present this proposal and looks forward to being of service to you.

Foreword

Halliburton is pleased to have this opportunity to present this proposal for your consideration. We earnestly request the service work to be performed on this well. These Service Coordinators can be reached in our District, at the following phone numbers:

MIDLAND SALES OFFICE
1-800-844-8451

ODESSA DISTRICT
1-800-417-5096

CEMENTING:
Scott Kerby / Joe Briseno
BJ Wheeler

STIMULATION:
Larry Staples / Jerry Thurman
Gary Pacheco

LOGGING &
PERFORATING
Mike Wood / Josh Stumpner

COILED TUBING
& NITROGEN
Larry Staples / Jerry Thurman
Gary Pacheco

TOOLS & TESTING,
PROD. SVCS., TCP,
COMPL. PRODUCTS
Steve Engleman / Kevin Warren

BAROID
Fernando Arizpe

HOBBS DISTRICT
1-800-416-6081

CEMENTING
Jeremy Rey / Jaime Gonzales

STIMULATION:
Larry Staples / Jerry Thurman
Gary Pacheco

LOGGING &
PERFORATING
Josh Mount / Vernon Reever

DRILL BITS
Jeff Tranum

TOOLS & TESTING,
PROD. SVCS., TCP,
COMPL. PRODUCTS
John Breeden

BAROID
Freddy Redmon

PREPARED BY: Bruce Day

We look forward to working with you to provide the very best quality services available in the Permian Basin.

Kyle Baros, Technical Professional

Cementing Best Practices

1. **Cement quality and weight**: You must choose cement slurry that is designed to solve the problems specific to each string of pipe.

2. **Waiting time**: You must hold the cement slurry in place and under pressure until it hardens. A cement slurry is a time-dependent liquid and must be allowed to undergo a hydration reaction to produce a competent cement sheath. A fresh cement slurry can be worked (thickening or pump time) as long as it is plastic, and the initial set of cement occurs during the rapid reaction stage. If the cement is not allowed to hydrate; it will be subject to changes in density, dilution, settling, water separation, and gas cutting that can lead to lack of zonal isolation with resultant bridging in the annulus.

3. **Pipe movement**: Pipe movement may be one of the single most influential factors in mud removal. Reciprocation and/or rotation mechanically breaks up gelled mud and constantly changes the flow patterns in the annulus for better cement bonding.

4. **Mud properties:** Plastic viscosity (PV) should be less than 15 centipoise (cp), and less than 10 cp, if possible, yield point (YP) should be less than 10 pound/100-square feet (lb/100ft²) decreasing down to about 5 lb/100 ft².

5. **Mud gel strength**: A nonthixotropic mud is desirable for good mud removal. Mud left in the hole prior to running casing should have 10-second/10-minute/30-minute gel strength such that the 10-minute is less than double the 10-second and the 30-minute is less than 20 lb/100 ft²). Sufficient shear strength may not be achieved on a primary cement job to remove mud left in the hole should the mud develop more than 25 lb/100 ft².

6. **Mud fluid loss:** Decreasing the filtrate loss into a permeable zone enhances the creation of a thin filter cake. This increases the fluid mud in the hole, which is more easily removed. Generally, an API fluid loss of 7 or 8 milliliter (ml) is sufficient with high-temperature/high-pressure fluid loss (HTHP) no more than double this amount.

7. **Circulation:** Circulate bottoms up twice, or until well conditioned mud is being returned to the surface. There should be no cuttings in the mud returns. An annular velocity of 260 feet per minute is optimum (SPE/IADC 18617), if possible.

8. **Flow rate:** Turbulent flow is more desirable flow regime for mud removal. If turbulence cannot be achieved, better mud removal is found when maximum flow energy is used. The maximum pump rate should be determined to obtain the best flow regime.

9. **Hole size:** The optimum hole size recommended for good mud removal is 1.5 to 2 inches larger than the casing or liner size. Hole sizes larger than 2 inches annular space can be dealt with, but those that are smaller than 1.5 inches present difficult problems.

10. **Pipe Centralization:** This helps to create a uniform flow area perpendicular to flow direction. Cement will take the path of least resistance so that centralization is important in keeping the pipe off the walls of the hole. At least a 70 percent standoff should be achieved for centralization.

11. **Rat hole:** When applicable, a weighted viscous pill in the rat hole prevents cement from swapping with lighter weight mud when displacement stops.

12. **Shoe joint:** A shoe joint is recommended on all primary casings and liners. The length of the shoe joint will vary, although the absolute minimum length is one joint of pipe. If conditions exist, such as not running a bottom plug, two joints should be the minimum length.

Job Information — CorrosaCem - TL Production Cementing

Well Name: Eunice Plant AGD Well	Well #: 1
Surface Casing	0 - 300 ft (MD)
Outer Diameter	10.750 in
Long String	0 - 4010 ft (MD)
Outer Diameter	7.000 in
Inner Diameter	6.456 in
Linear Weight	20 lbm/ft
Job Excess	10 %
DV Tool	4000 ft (MD)
Existing 6-1/4" Open Hole	4010 - 4550 ft (MD)
Inner Diameter	6.250 in
Job Excess	35 %
6-1/4" Hole	4550 - 5000 ft (MD)
Inner Diameter	6.250 in
Job Excess	35 %
Production Casing	0 - 4550 ft (MD)
Outer Diameter	5.500 in
Inner Diameter	4.892 in
Linear Weight	17 lbm/ft
Thread	AB FL-4S
Casing Grade	J-55

The CorrosaCem-TL volume is based on 450 feet of fill with 35% of the specified hole volume added. If more current data, such as an open hole volume caliper log, becomes available, then the volume should be modified to caliper plus 20% over gauge hole.

CorrosaCem-TL will require 0.4% (bwoc) FE-2 as a dispersant/retarder. The Fe-2 will need to be pre-mixed in the mix water, as well as the spacer water, prior to the job.

Recommended procedure for CorrosaCem-TL:

Prior to Job-

1. Blend Fe-2 with fresh water in a clean transport, mix thoroughly until all Fe-2 is dissolved.
2. The Fe-2 concentration will be based on laboratory pilot testing for desired cement slurry properties. (Estimated 0.09 ppg)
3. The Fe-2 water volume will include the required mix water volume, plus spacer volume, plus bottoms. (Estimated 50 bbl)
4. The mixture will be sampled, and used in the plant blend tests. Adjust Fe-2 concentration as required.
5. Load the CorrosaCem-TL bulk material into a clean, **cement free**, bulk truck. All cement residue **must be removed**, and the bulk tier inspected prior to loading the CorrosaCem-TL.

On Location-

1. Add the required Fe-2 mix water volume to the batchmixer. Add CorrosaCem-TL to batchmixer to obtain a 15.0 ppg slurry.
2. Pump the remaining Fe-2 water as a spacer.
3. Pump and displace the CorrosaCem-TL slurry.

Stage 1

Cement : (550.00 ft fill)

10.00 ft * 0.0623 ft^3/ft * 10 %	= 0.69 ft^3
540.00 ft * 0.0481 ft^3/ft * 35 %	= 35.04 ft^3
First Stage Tail Cement	= 35.72 ft^3
	= 6.36 bbl

Shoe Joint Volume: (40.00 ft fill)

40.00 ft * 0.1305 ft^3/ft	= 5.22 ft^3
	= 0.93 bbl
Tail plus shoe joint	= 40.95 ft^3
	= 7.29 bbl
Total Tail	= 45 sks

Stage 2

Cement : (3033.00 ft fill)

3033.00 ft * 0.0623 ft^3/ft * 10 %	= 207.99 ft^3
Total Second Stage Lead Cement	= 207.99 ft^3
	= 37.04 bbl
Sacks of Cement	= 81 sks

Cement : (967.00 ft fill)

967.00 ft * 0.0623 ft^3/ft * 10 %	= 66.31 ft^3
Second Stage Tail Cement	= 66.31 ft^3
	= 11.81 bbl
Total Tail	= 50 sks

Install floating equipment, run casing to bottom, and circulate a minimum of 2-3 hole volumes prior to cementing as follows:

Fluid Instructions

Stage 1

Fluid 1: Pump 20 bbl
Dispersant Spacer
0.09 lbm/bbl Fe-2 (Dispersant)

Fluid Density:	0 lbm/gal
Fluid Volume:	20 bbl

Fluid 2: Mix and pump 50 sks
CorrosaCem - TL
0.4 % Fe-2 (Dispersant)

Fluid Weight	15 lbm/gal
Slurry Yield:	0.91 ft^3/sk
Total Mixing Fluid:	3.44 Gal/sk
Top of Fluid:	4000 ft
Calculated Fill:	550 ft
Volume:	7.29 bbl
Calculated Sacks:	45.09 sks
Proposed Sacks:	50 sks

DV Tool @ 4000 ft (MD)

Stage 2

Fluid 1: Pump 20 bbl
Fresh Water

Fluid Volume:	20 bbl

Fluid 2: Lead with 85 sks
EconoCem - C

Fluid Weight	11.70 lbm/gal
Slurry Yield:	2.57 ft^3/sk
Total Mixing Fluid:	14.93 Gal/sk
Top of Fluid:	0 ft
Calculated Fill:	3033 ft
Volume:	37.05 bbl
Calculated Sacks:	81.00 sks
Proposed Sacks:	85 sks

Fluid 3: Tail-in with 50 sks
HalCem - C

Fluid Weight	14.80 lbm/gal
Slurry Yield:	1.33 ft^3/sk
Total Mixing Fluid:	6.34 Gal/sk
Top of Fluid:	3033 ft
Calculated Fill:	967 ft
Volume:	11.81 bbl
Calculated Sacks:	50 sks
Proposed Sacks:	50 sks

HALLIBURTON

Cost Estimate *CorrosaCem - TL Production Cementing*

Mtrl Nbr	Description	Qty	U/M	Unit Price	Gross Amt	Discount	Net Amt
1	MILEAGE FOR CEMENTING EQUIPMENT NUMBER OF UNITS	50 1	MI	9.79	489.50	332.86	156.64
2	MILEAGE FOR CEMENTING CREW NUMBER OF UNITS	50 1	MI	5.76	288.00	195.84	92.16
7	ENVIRONMENTAL SURCHARGE	1	JOB	134.00	134.00	0.00	134.00
372867	DOT VEHICLE CHARGE	3	EA	241.00	723.00	0.00	723.00
16093	MSC PUMP CHARGE (1ST STAGE) DEPTH FEET/METERS (FT/M)	1 4550 FT	EA	5,392.00	5,392.00	3,666.56	1,725.44
16	MSC ADDITIONAL STAGES NUMBER OF UNITS	1 1	STG	4,635.00	4,635.00	3,151.80	1,483.20
141	RCM w/RA DENSOMETER NUMBER OF UNITS	1 1	JOB	1,990.00	1,990.00	1,353.20	636.80
116	BOOSTER PUMP-SKID,/DAY NUMBER OF DAYS	1 1	EA	1,362.00	1,362.00	926.16	435.84
74038	PLUG CONTAINER RENTAL-1ST DAY DAYS OR FRACTION (MIN1)	1 1	EA		1,322.00	898.96	423.04
100001615	FE-2	2	LB	11.92	23.84	17.40	6.44
452967	CORROSACEM (TM) SYSTEM	50	SK		16,360.00	11,942.80	4,417.20
100001615	FE-2	15	LB	11.92	178.80	130.52	48.28
452992	ECONOCEM (TM) SYSTEM	85	SK		3,391.50	2,475.80	915.70
452986	HALCEM (TM) SYSTEM	50	SK		2,087.50	1,523.88	563.62
76400	MILEAGE,CMT MTLS DEL/RET NUMBER OF TONS	25 8.45	MI	3.35	707.69	516.61	191.08
3965	SVC CHRG, CMT & ADDITIVES NUMBER OF EACH	206 1	CF	5.49	1,130.94	825.59	305.35
	Total	**USD**					**40,215.77**
	Discount 68/73	**USD**					**27,957.98**
	Discounted Total	**USD**					**12,257.79**

Primary Plant: Hobbs, NM, USA
Secondary Plant: Hobbs, NM, USA

Price Book Ref: 09 Permian Basin
Price Date: 3/31/2010

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Conditions

NOTE

The cost in this analysis is good for the materials and/or services outlined within and shall be valid for 30 days from the date of this proposal. In order to meet your needs under this proposal with a high quality of service and responsive timing, Halliburton will be allocating limited resources and committing valuable equipment and materials to your area of operations. Accordingly, the discounts reflected in this proposal are available only for materials and services awarded on a first-call basis. Alternate pricing may apply in the event that Halliburton is awarded work on any basis other than as a first-call provider.

The unit prices stated in the proposal are based on our current published prices. The projected equipment, personnel, and material needs are only estimates based on information about the work presently available to us. At the time the work is actually performed, conditions then existing may require an increase or decrease in the equipment, personnel, and/or material needs. Charges will be based upon unit prices in effect at the time the work is performed and the amount of equipment, personnel, and/or material actually utilized in the work. Taxes, if any, are not included. Applicable taxes, if any, will be added to the actual invoice.

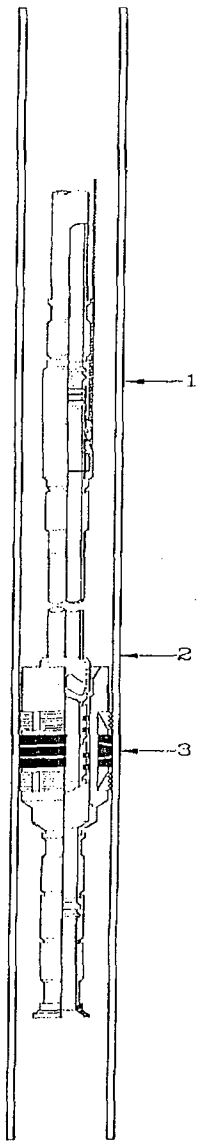
It is understood and agreed between the parties that with the exception of the subject discounts, all services performed and equipment and materials sold are provided subject to Halliburton's General Terms and Conditions contained in our current price list, (which include LIMITATION OF LIABILITY and WARRANTY provisions), and pursuant to the applicable Halliburton Work Order Contract (whether or not executed by you), unless a Master Service and/or Sales Contract applicable to the services, equipment, or materials supplied exists between your company and Halliburton, in which case the negotiated Master Contract shall govern the relationship between the parties. A copy of the latest version of our General Terms and Conditions is available from your Halliburton representative or at: http://www.halliburton.com/terms for your convenient review, and we would appreciate receiving any questions you may have about them. Should your company be interested in negotiating a Master Contract with Halliburton, our Law Department would be pleased to work with you to finalize a mutually agreeable contract. In this connection, it is also understood and agreed that Customer will continue to execute Halliburton usual field work orders and/or tickets customarily required by Halliburton in connection with the furnishing of said services, equipment, and materials.
Any terms and conditions contained in purchase orders or other documents issued by the customer shall be of no effect except to confirm the type and quantity of services, equipment, and materials to be supplied to the customer.
If customer does not have an approved open account with Halliburton or a mutually executed written contract with Halliburton, which dictates payment terms different than those set forth in this clause, all sums due are payable in cash at the time of performance of services or delivery of equipment, products, or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice.

Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

HALLIBURTON

Proposed Completion Data Guide

Original Date Prepared: July 16, 2008
Date Revised: April 13, 2010



Customer Information

Prepared For: TARGA RESOURCES INC
Field Name: Widcat
Well Number: Versado "AGI" #1
Location: Lea County, New Mexico
Attention of: Mr. W.A. Baker
Direct Phone: 432-620-9181
E-Mail: wbaker@cambrianmgmt.com

Formation Information

Zone Of Interest Number 1: 4500 Zone
Service (Std,H2S,CO2): Acid Injection
Perforations (MD): 4500' - 4950'
Plug Back T.D. 4,950 Ft.
BHT: 250° F
BHP: 3500 Psi
Completion Fluid: Treated Fresh Water

Well Bore Information

Casing: 5.5" 17# J-55 (ID: 4.892"/ Drift: 4.767") @ 0-4500'
Open Hole: 4500-5000'
LS Upper Production Tubing: 2.875" 6.5# J-55 Duo-Lined EUE(ID: 2.441" / Drift: 2.347")

Completion Equipment

Job Description: Permanent Packer
Packer Material: Incoly 725
Packer Elastomer: Aflas
Seal Mandrel Material: Incoloy 725
Seal Elastomer: Aflas

Sales Information

HBD File Name 170658
Option Number: Version 6/ Option A
Version Name: 170658V6A
Submitted By: Mike Larpenter - 121949
Location: Houston, Texas
Main Phone: (281) 988-2500
Direct Phone: (713) 420-5169
E-Mail: mike.larpenter@halliburton.com

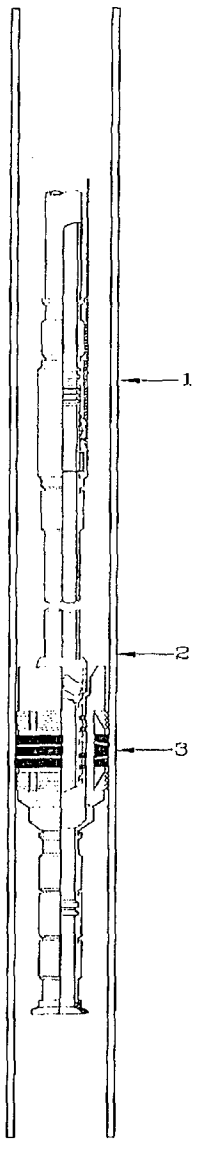
Field Information

Halliburton Service Contact: Steve Engleman - 104368
Halliburton Service Location: Odessa, Tx -
Main Phone: (800) 844-8451
Direct Phone: (432) 580-2960
Fax: (432) 337-0751

HALLIBURTON

Permanent Packer

Prepared For:	TARGA RESOURCES INC	*HBD File Name*	
Field Name:	Wildcat	170658	
Lease:		Version 6/ Option A	
Well Number:	Versado "AGI" #1	170658V6A	
Well Location:	Lea County, New Mexico		



A	Production Tubing,2 7/8 6.5# Eue J-55 Duo-Lined W 2.44 ID	2.440	2.875	244.00	0.00
1	**Safety Valve Assembly**				
a	X over Pup W/Clp, 2 7/8"6.5# Eue x 2 7/8" 6.4# Vam-Top J-55 Duo-Lined Targa Resources	2.441	3.660	6.00	244.00
b	Halliburton "NE" Tubing Retrievable Safety Valve, 10,000# Pressure Rating, Equalizing Type,Nickel Alloy 725, "X" Profile, 2 7/8" Vam-Top Box x Pin Ref PN: (781HXE23224-U) (188825)	2.336	4.650	4.00	250.00
c	Xover Pup with Clp, 2 7/8"6.4# Vam-top x 2 7/8" 6.5# Eue J-55 Targa Resources	2.441	3.222	6.00	254.00
d	Control Line, .065" Wall. Incoloy 825, 1/4" x 400' (22SNS54040) (101309359) Customer Stock				
B	Production Tubing,2 7/8 6.5# Eue J-55 Duo-Lined W 2.44 ID	2.440	2.875	4,140.00	260.00
2	**Seal Assembly**				
a	Loc J-Slot 2 7/8 API-Eue x 2 11/16 12UNS B-P 725 Material Ref:(213J30034-D) (188825)	2.330	3.430	0.50	4,400.00
b	Seal Assy,3.00 X 2 11/16 12UNS (Bin makeup) 725 material Molded Aflas seal, Pressure rating _____psi Ref:(212MSA30000-D) (188825) Qty (2)	2.330	3.000	1.33	4,400.50
c	MS Guide,2 11/16 12UNS 725 Material Ref:(212G30000-D)(188825)	2.330	2.970	0.50	4,401.83 **4,402.33**
3	**Packer Assembly**				
a	Halliburton "TWB" Perma-Series™ Packer 5 1/2" 14-20#,3.00 ,2 7/8 Eue Pin 725 Material (AFLAS Elements) Pressure Rating 9,000psi REF:(212TWB5501-D) (188825)	3.000	4.540	3.00	4,400.00
b	Coulpling 2 7/8" 6.5# EueJ-55 Targa Resources		3.660	0.44	4,403.00
c	Pup Joint, 2 7/8"6.5# Eue J-55 Duo-Lined Targa Resources	2.440	2.875	6.00	4,403.44
d	Landing Nipple 2.313 X 2 7/8" Eue BXP 725 Material Ref:(711X23319) (188825)	2.313	4.545	1.50	4,409.44
e	Pup Joint, 2 7/8"6.5# Eue J-55 Duo-Lined Targa Resources	2.440	3.500	6.00	4,410.94
f	WL-Rentry Guide, 2 7/82" Eue 6.5# 725 Material Ref:(212M895) (188825)	2.970	3.700	0.50	4,416.94 **4,417.44**

4/14/2010

HALLIBURTON

Proposed Completion Data Guide

Original Date Prepared: **July 16, 2008**
Date Revised: **April 13, 2010**

Permanent Packer

Prepared For:	TARGA RESOURCES INC		*HBD File Name*
Field Name:	Widcat		170658
Lease:			Version 6/ Option A
Well Number:	Versado "AGI" #1		170658V6A
Well Location:	Lea County, New Mexico		

ITEM	DESCRIPTION	ID	OD	LENGTH	DEPTH		PRICE	Qty
1	Safety Valve Assembly						$99,400.00	
2	Seal Assembly					$	24,512.03	
3	Packer Assembly					$	47,376.88	

Personnel and Mileage:			
CPS-Retrievable Packer - BOM -20474 / Land Alternate			
Completion Serviceman (Land) - 8 Hr. Min. / Per Day (16328)	$	1,096.20	1
Completion Serviceman (Land) - Add'l. Hours, after 8 hr min (16328)	$	137.20	1
Serviceman Mileage - Per Mile/Round Trip, from nearest Halliburton camp (3327)	$	4.03	1
Fuel Surcharge - Per Mile (87098)	$	0.11	1
Use of Hydraulic Setting Tool - Per Packer - 5 Day (16320)	$	1,468.60	1
Assembly Make Up - Per Unit (21097)	$	1,108.80	11
Completion Assy. Test /Unit (18701)	$	378.00	3
Test Plug Use - Minimum charge (1 Day) (16323)	$	210.00	1
Environmental Clean-Up (2311) $ 250.00 Max	$	100.00	1
Brass Ball (1.312") (93B108) (101014253)	$	244.30	1
Test Plug Use - (Add Day) (16323)	$	35.21	1
Steel Ball (.875") (93B4) (100006745)	$	68.60	2
Control Line Test - Per Test (72113)	$	74.90	1
Hydraulic Hand Pump and Manifold - Use / First Day (3539)	$	132.30	1
Completion Tool Box - Per Job (3438)	$	281.40	1
Safety Valve Toolbox - Use / 3 Days (72118)Over 10K Valves	$	1,488.20	1
Nylon Tie Wraps (50761)	$	266.00	100
9/16-18UNF Autoclave Fitting with Anti-Vibration Gland (78Q6329) (101365964)	$	1,162.00	2
TRSV Fitting Kit - 374431	$	315.70	1
Buckles - Min. 1 Box (100 Each Buckles) (94S102) (101087308)	$	497.00	1
Bands per 1200 In. Roll (94S98) (101087320)	$	144.20	1

Estimated Sub Suface Safety Total		$99,400.00
Estimated Packer and Seal Assembly Total	$	71,888.91
Estimated Service and Rental Total	$	9,071.41
Estimated Mercandise Total for Job		171,288.91

Note added Hours after 8 will be charged at 137.20 per hour

Note added Hours after 8 will be charged at 137.20 per hour
And Mileage from Nearset Camp will be charged at 4.14 per mile round trip (Fuel Surcharge Included)

Quote Response Form

T3 Energy Services

Printed on 9/16/2010 9:01:37AM

Wellhead & Production Systems
Houston, TX

Estimate No. BE00000165
Warehouse ID: ODES - ODESSA
7311 Andrews Highway
Odessa, TX 79765
Phone: 432-552-0695
Fax: 432-362-4363

Customer:

Customer Info:

Phone:

Ship to:

Targa Midstream

Thank you for the opportunity to quote your equipment needs. If you have any questions, Please call.

Estimate	Terms	Quote Date	Expiration Date	Salesperson	Customer Currency
BE00000165		5/11/2010		Fikes, Gerald	USD

Casing Head Assembly

Line	Quantity	UM	Item	Unit Price	Extended Price
10	1.00	EA	20353625 CASING HEAD BODY, C-22, 11" 3K FLANGED TOP X 10-3/4" SOW (W/ ORING GROOVE) BTM, W/ TWO 2" LPO OUTLETS, U, DD, PSL 1, PR1	1,725.00	1,725.00
20	1.00	EA	20365450 NIPPLE, PIPE, 2" LP X 6" LONG XXH	25.00	25.00
30	1.00	EA	20364831 BULL PLUG, 2" LP, SOLID, XXH	25.00	25.00
40	1.00	EA	20391949 BALL VALVE, 3K, 2" LP, SE, NACE TRIM	120.00	120.00
213	1.00	EA	20384272 COLLAR~CASING 10-3/4 SOW X 10-3/4 SOW J-55	395.00	395.00
				Casing Head Assembly Total:	**2,290.00**

Casing Spool Assembly

Line	Quantity	UM	Item	Unit Price	Extended Price
201	1.00	EA	20365360 CASING SPOOL ASSEMBLY, C-22-BG, 11" 3K FLANGE BTM X 11" 3K FLANGED TOP, W/ TWO 2-1/16" 5K SSO OUTLETS, L-U, DD, PSL 1, PR1	5,330.00	5,330.00
202	2.00	EA	20365431 BALL VALVE, 3K, 2" LP, SE, STANDARD TRIM	120.00	240.00
203	2.00	EA	20365450 NIPPLE, PIPE, 2" LP X 6" LONG XXH	25.00	50.00
204	1.00	EA	20391954 SECONDARY SEAL ASSEMBLY, BG-PE, 9" NOM X 7" ID,W/PEROXIDE CURED RUBBER, U, AA, PSL 1, PR 1	700.00	700.00
205	1.00	EA	20365793 RING GASKET, R-53, S316-4, OVAL, API 6A	95.00	95.00

206	16.00	EA	20366131 STUD ASSEMBLY, ALL-THREAD, 1.375-8UN-2A X 10.00 LONG, ASTM A193 GR B7 STUD, W/ TWO ASTM A194 2H NUTS, BLACK	13.13	210.08
207	2.00	EA	20366688 FLANGE COMPANION, BODY, 2-1/16" 5K X 2" LP, U, FF	115.00	230.00
208	2.00	EA	20358839 RING GASKET, R-24, S316-4, OVAL , API 6A	35.00	70.00
209	1.00	EA	20391952 CASING HANGER ASSEMBLY, C-21 SLIP, 11" C-21 BOWL, 7" OD CASING, W/PEROXIDE CURED RUBBER GOODS, U, AA, PSL 1, PR1	1,000.00	1,000.00
				Casing Spool Assembly Total:	**7,925.08**

Tubing Spool Assembly

Line	Quantity	UM	Item	Unit Price	Extended Price
50	1.00	EA	20365368 TUBING HEAD ASSEMBLY, TCM, 11" 3K FLANGE BTM X 7-1/16" 3K FLANGED TOP, W/ TWO 2-1/16" 5K SSO OUTLETS, L-U, DD, PSL 1, PR1	3,291.67	3,291.67
60	3.00	EA	20358839 RING GASKET, R-24, S316-4, OVAL , API 6A	35.00	105.00
70	1.00	EA	20365472 VALVE REMOVAL PLUG, 1-1/2 LP	75.00	75.00
80	2.00	EA	20366688 FLANGE COMPANION, BODY, 2-1/16" 5K X 2" LP, U, FF	550.00	1,100.00
90	1.00	EA	20367048 GATE VALVE ASSEMBLY, JMP-W5, M, 2-1/16" 5K WEDGE FE HWO, L-U, FF, PSL 2, PR1	2,400.00	2,400.00
100	1.00	EA	20391950 BULL PLUG, 2" LP, SOLID, NICKEL PLATED	25.00	25.00
110	1.00	EA	20391951 CASING HANGER ASSEMBLY, C-22 SLIP, 11" C-22 BOWL, 5-1/2" OD CASING, W/PEROXIDE CURED RUBBER GOODS, U, AA, PSL 1, PR1	1,000.00	1,000.00
120	1.00	EA	20391953 SECONDARY SEAL ASSEMBLY, BG-PE, 9" NOM X 5-1/2" ID, W/PEROXIDE CURED RUBBER, U, AA, PSL 1, PR 1	700.00	700.00
130	1.00	EA	20365793 RING GASKET, R-53 , S316-4, OVAL, API 6A "	95.00	95.00
140	16.00	EA	20366131 STUD ASSEMBLY, ALL-THREAD, 1.375-8UN-2A X 10.00 LONG, ASTM A193 GR B7 STUD, W/ TWO ASTM A194 2H NUTS, BLACK	13.13	210.08
211	1.00	EA	20391950 BULL PLUG, 2" LP, SOLID, NICKEL PLATED	25.00	25.00
				Tubing Spool Assembly Total:	**9,026.75**

Tree Assembly

Line	Quantity	UM	Item	Unit Price	Extended Price
150	1.00	EA	20373199 TUBING HEAD ADAPTER ASSEMBLY, A5P, 7-1/16" 3K STUDDED BTM X 3-1/8" 5K STUDDED, W/ ONE 1/4" CCL PORT, U, HH, PSL 2, PR1	16,780.00	16,780.00

160	2.00	EA	20376136 GATE VALVE, 3-1/8 ",5K, IIPT, MANUAL ,R-35 FLG X FLG INCONEL, 625 ALL WETTED SURFACES ,HH TRIM, API ,6A ,TEMP, CLASS, P+U, H2S SERVICE PER NACE ,MR-01-75 C, /W HANDWHEEL (EEC DRAWING AL-0121)	36,000.00	72,000.00
170	3.00	EA	20362703 RING GASKET, R-35, S316-4, OVAL, API 6A	57.00	171.00
180	8.00	EA	20366128 STUD ASSEMBLY, ALL-THREAD, 1.125-8UN-2A X 8.50 LONG, ASTM A193 GR B7 STUD, W/ TWO ASTM A194 2H NUTS, BLACK	6.67	53.36
190	1.00	EA	20362707 RING GASKET, R-45, S316-4, OVAL, API 6A	80.00	80.00
200	1.00	EA	20373406 TUBING HANGER ASSEMBLY, 7-1/16" BOWL X 3-1/2" EUE, W/ 3" HBPV INCONEL, U, DD, PSL-2, PR1	26,760.00	26,760.00
212	1.00	EA	20388385 CROSSOVER SUB BODY, 3-1/2 EUE MALE THREAD X 2-7/8 EUE FEMALE THREAD, 718 INCONEL	3,675.00	3,675.00
				Tree Assembly Total:	119,519.36

NOTES:

1. All equipment is FOB T3 Energy, Inc. Houston, Texas USA.
2. Freight and crating expenses are not included as part of this quotation.
3. All pricing, as indicated in this quotation, is based on standard equipment deliveries; an expediting fee will be applied if the equipment is required prior to the date (s) indicated above.
4. T3 Energy will not be liable for penalties due to late deliveries that are not agreed upon and authorized by T3 Energy prior to acceptance of the purchase order.
5. This quotation is valid for your acceptance for a period of 30 days.
6. Disclaimer – this is a general terms and conditions for the purpose of advancing to a commercial request.
7. Rental – Rental is charged in complete days from shipment from the T3 Energy facility until returned to the T3 Energy facility. The renter is responsible for returning the equipment to original condition after use. This includes repair labor and parts as required.

Section Summary:		
	Section Casing Head Assembly Total:	2,290.00
	Section Casing Spool Assembly Total:	7,925.08
	Section Tubing Spool Assembly Total:	9,026.75
	Section Tree Assembly Total:	119,519.36
	Order Total:	138,761.19

Quote Response Form

Estimate No. BE00000165

THANK YOU FOR THE OPPORTUNITY TO QUOTE YOUR EQUIPMENT NEEDS.

THIS QUOTE DOES NOT INCLUDE PRO-RATED FREIGHT, SERVICE, OR TAXES

IF YOU HAVE ANY QUESTION PLEASE CALL.

TOMMY MILLER
BRANCH MANGER
432-661-5810

TMILLER@T3ENERGY.COM

The estimated delivery schedule below is ARO and after T3 Energy's acceptance of the purchase order.

Casing Head Assembly - 6-8 weeks, ARO
Tubing Spool Assembly - 6-8 weeks, ARO
Tree Assembly - 6-8 weeks, ARO

Sale Amount:	138,761.19
Sales Tax:	0.00
Misc Charges:	0.00
Total Amount:	138,761.19

Limited Warranty and Limitation of Liability

T3 Energy Services warrants the products it manufactures and/or remanufactures and the services it performs to be free from defects in materials and workmanship which materially and adversely impact performance or safety under normal use and services for a period of:

- One year after initial installation, or 18 months from invoice date for manufactured or remanufactured products, whichever comes first;
- One year after the date services are provided (the "Work") as described in a T3 Energy Services service ticket or services invoice.

Products found to be defective will be repaired or replaced, at T3 Energy Services option, in a timely fashion at no charge to the customer for such repair or replacement by T3 Energy Services.

T3 Energy Services will not be responsible for product damage caused by the process service conditions or damage caused by customer misapplication or improper maintenance. T3 Energy Services also shall not be responsible for normal wear and tear.

T3 Energy Services warrants that the services when performed will be of good quality, will be free from defects in material and workmanship, shall have been properly performed in accordance with applicable industry standards and, and shall be in accordance with any written specifications which were provided by the customer to T3 Energy Services and accepted by T3 Energy Services prior to the commencement of the Work. If customer notifies T3 Energy Services within 12 months after the date of service that it has discovered that any portion of the Work does not conform to the foregoing warranty T3 Energy Services shall, at its option:

- promptly repair any such non-conforming work, or
- promptly replace any such non-conforming work, or
- provide customer with a refund or any equitable portion of the price paid for the work after an allowance for reasonable wear and tear.

The performance by T3 Energy Services of the repair or replacement Work or the equitable refund, described in the previous paragraph shall constitute customer's sole remedy for any defect in the Work. **T3 ENERGY SERVICES HEREBY EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE.**

If customer fails to properly operate and maintain the product in accordance with the instructions of T3 Energy Services, or the original equipment supplier or manufacturer, as applicable, or if customer otherwise fails to adhere to applicable industry standards in operating and maintaining the product, customer's failure shall void the foregoing warranty.

In the event T3 Energy Services does not receive payment as agreed, T3 Energy Services may impose a 1.5% per month finance charge to any unpaid past due balance on all open accounts.

In no event shall any T3 Energy Services or any of its respective affiliates be liable for any loss of use, revenue, or anticipatory profit, or for any direct, indirect, or incidental or consequential damages arising out of, or connected with, any portion of the Work.

The foregoing is the only obligation of T3 Energy Services with respect to the Work and customer's exclusive remedy for breach of warranty, and is customer's exclusive remedy hereunder by way of breach of contract, tort, strict liability or otherwise.

Any action or breach of this limited warranty or otherwise with respect to the Work must be commenced one (1) year after the cause of action has accrued.

THIS LIMITED WARRANTY SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS WITHOUT REGARD TO ANY PRINCIPLES OF TEXAS LAW WHICH WOULD REQUIRE THE APPLICATION OF THE LAW OF ANOTHER JURISDICTION.

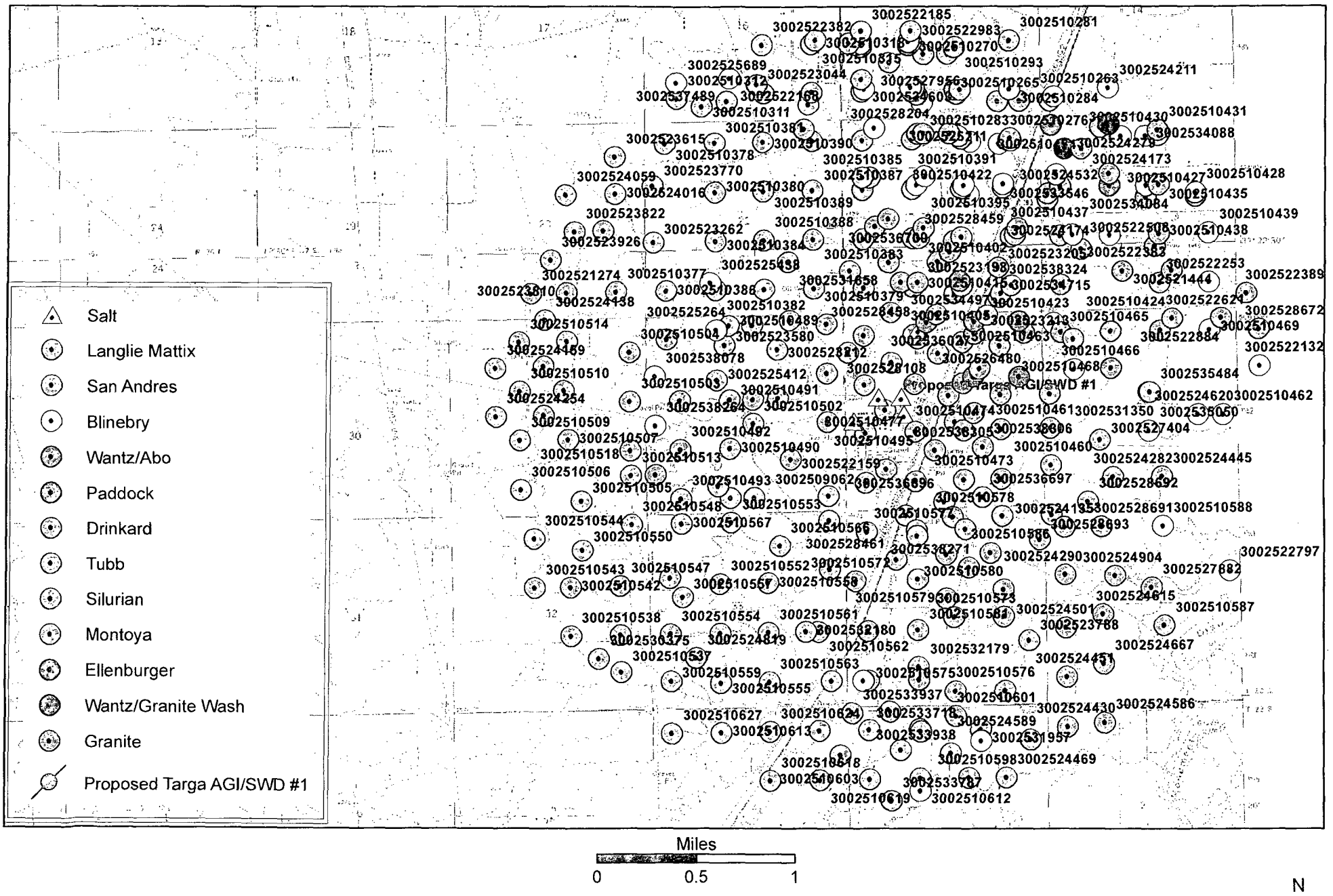
Confirming Signature _____ **Date** _____

APPENDIX C

MAP AND TABLE OF ALL WELLS WITHIN TWO MILES OF PROPOSED TARGA AGI/SWD #1

PLUGGING DIAGRAMS, WELL RECORDS, AND DOCUMENTATION FOR WELLS WITHIN ONE MILE OF PROPOSED TARGA AGI/SWD #1

SUMMARY OF WELLS WITHIN TWO MILES OF PROPOSED TARGA AGI/SWD #1



GEOLEX
INCORPORATED

Figure C1: Locations of All Wells Within Two Miles of Proposed Targa AGI/SWD #1

TABLE C1: ALL WELLS WITHIN TWO MILES OF VERSADO PROPOSED AGI#1

API	OPERATOR	RANGE	SECTION	TOWNSHIP	TVDDEPTH	WELLNAME	TYPE	STATUS	MilesFromTarget	PRODUCINGPOOL
3002521497	TARGA MIDSTREAM SERVICES LIMITED PARTNERSHIP	37E	27	22.0S	3962	EUNICE GAS PLANT SWD 001	S	Active	0.00	San Andres
3002513232	TARGA MIDSTREAM SERVICES LIMITED PARTNERSHIP	37E	27	22.0S	2095	J V BAKER (LPG-STORAGE) 001	M	Plugged	0.08	Salt
3002523853	TARGA MIDSTREAM SERVICES LIMITED PARTNERSHIP	37E	27	22.0S	2075	SKELLY GASOLINE PLANT 004	M	Plugged	0.09	Salt
3002513230	TARGA MIDSTREAM SERVICES LIMITED PARTNERSHIP	37E	27	22.0S	2064	J V BAKER (LPG-STORAGE) 003	M	Plugged	0.10	Salt
3002510476	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3665	LANGLIE MATTIX PENROSE SAND UNIT 221	I	Active	0.15	Langlie Mattix
3002510480	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3610	LANGLIE MATTIX PENROSE SAND UNIT 134	O	Active	0.17	Langlie Mattix
3002513231	TARGA MIDSTREAM SERVICES LIMITED PARTNERSHIP	37E	27	22.0S	2075	J V BAKER (LPG-STORAGE) 002	M	Plugged	0.17	Salt
3002510477	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3640	LANGLIE MATTIX PENROSE SAND UNIT 222	O	Active	0.19	Langlie Mattix
3002510481	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3620	LANGLIE MATTIX PENROSE SAND UNIT 135	I	Plugged	0.20	Langlie Mattix
3002536699	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3790	LANGLIE MATTIX PENROSE SAND UNIT 314	O	Active	0.24	Langlie Mattix
3002510495	LEGACY RESERVES OPERATING, LP	37E	28	22.0S	3684	LANGLIE MATTIX PENROSE SAND UNIT 241	O	Active	0.30	Langlie Mattix
3002538329	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3835	LANGLIE MATTIX PENROSE SAND UNIT 604	O	Active	0.30	Langlie Mattix
3002538273	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3818	LANGLIE MATTIX PENROSE SAND UNIT 601	O	Active	0.32	Langlie Mattix
3002538275	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3825	LANGLIE MATTIX PENROSE SAND UNIT 602	O	Active	0.32	Langlie Mattix
3002536853	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3805	LANGLIE MATTIX PENROSE SAND UNIT 316	O	Active	0.35	Langlie Mattix
3002510499	LEGACY RESERVES OPERATING, LP	37E	28	22.0S	4075	LANGLIE MATTIX PENROSE SAND UNIT 252	I	Active	0.35	Langlie Mattix
3002521455	ANADARKO PETROLEUM CORP	37E	27	22.0S	3692	LANGLIE MATTIX PENROSE SAND UNIT 005	I	Plugged	0.35	Langlie Mattix
3002509062	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3670	LANGLIE MATTIX PENROSE SAND UNIT 211	O	Active	0.38	Langlie Mattix
3002528108	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3730	LANGLIE MATTIX PENROSE SAND UNIT 310	O	Active	0.39	Langlie Mattix
3002510470	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3405	LANGLIE MATTIX PENROSE SAND UNIT 212	I	Active	0.39	Langlie Mattix
3002510478	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3596	LANGLIE MATTIX PENROSE SAND UNIT 132	I	Active	0.39	Langlie Mattix
3002523772	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3700	LANGLIE MATTIX PENROSE SAND UNIT 139	O	Active	0.40	Langlie Mattix
3002510472	ANADARKO PETROLEUM CORP	37E	27	22.0S	3676	LANGLIE MATTIX PENROSE SAND UNIT 001	O	Plugged	0.41	Langlie Mattix
3002510479	ANADARKO PETROLEUM CORP	37E	27	22.0S	3600	LANGLIE MATTIX PENROSE SAND UNIT 003	O	Plugged	0.41	Langlie Mattix
3002510482	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3610	LANGLIE MATTIX PENROSE SAND UNIT 136	O	Active	0.41	Langlie Mattix
3002528458	ANADARKO PETROLEUM CORP	37E	27	22.0S	2469	LANGLIE MATTIX PENROSE SAND UNIT 001	M	Active	0.44	Salt
3002538305	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3825	LANGLIE MATTIX PENROSE SAND UNIT 196	O	Active	0.44	Langlie Mattix
3002536825	BURLESON PETROLEUM, INC	37E	27	22.0S	11112	SANTA RITA 002	O	Active	0.47	Wantz/Abo
3002536482	BURLESON PETROLEUM, INC	37E	27	22.0S	7200	SANTA RITA 012	O	Active	0.49	Wantz/Abo
3002531660	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3800	LANGLIE MATTIX PENROSE SAND UNIT 313	O	Active	0.50	Langlie Mattix
3002510483	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	6655	LANGLIE MATTIX PENROSE SAND UNIT 137	I	Active	0.52	Langlie Mattix
3002538328	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3825	LANGLIE MATTIX PENROSE SAND UNIT 603	O	Active	0.52	Langlie Mattix
3002510488	LEGACY RESERVES OPERATING, LP	37E	28	22.0S	3690	LANGLIE MATTIX PENROSE SAND UNIT 231	O	Active	0.52	Langlie Mattix
3002538306	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3825	LANGLIE MATTIX PENROSE SAND UNIT 204	O	Active	0.53	Langlie Mattix
3002510498	LEGACY RESERVES OPERATING, LP	37E	28	22.0S	3688	LANGLIE MATTIX PENROSE SAND UNIT 251	O	Active	0.53	Langlie Mattix
3002510471	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3651	LANGLIE MATTIX PENROSE SAND UNIT 201	O	Active	0.53	Langlie Mattix
3002522159	ANADARKO PETROLEUM CORP	37E	28	22.0S	3685	LANGLIE MATTIX PENROSE SAND UNIT 244	I	Plugged	0.54	Langlie Mattix
3002538274	LEGACY RESERVES OPERATING, LP	37E	34	22.0S	3815	LANGLIE MATTIX PENROSE SAND UNIT 600	O	Active	0.54	Langlie Mattix
3002523617	LEGACY RESERVES OPERATING, LP	37E	28	22.0S	3700	LANGLIE MATTIX PENROSE SAND UNIT 262	O	Active	0.55	Langlie Mattix
3002528460	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3702	LANGLIE MATTIX PENROSE SAND UNIT 312	O	Active	0.55	Langlie Mattix
3002536696	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3820	LANGLIE MATTIX PENROSE SAND UNIT 202	O	Active	0.55	Langlie Mattix
3002510475	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3653	LANGLIE MATTIX PENROSE SAND UNIT 194	I	Active	0.58	Langlie Mattix
3002510474	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3642	LANGLIE MATTIX PENROSE SAND UNIT 193	O	Active	0.59	Langlie Mattix
3002510486	YARBROUGH OIL LP	37E	27	22.0S	6429	J V BAKER 011	O	Plugged	0.59	Drinkard
3002510569	ANADARKO PETROLEUM CORP	37E	34	22.0S	3664	LANGLIE MATTIX PENROSE SAND UNIT 003	I	Plugged	0.62	Langlie Mattix
3002510556	LEGACY RESERVES OPERATING, LP	37E	33	22.0S	3674	LANGLIE MATTIX PENROSE SAND UNIT 351	O	Active	0.63	Langlie Mattix
3002523212	ANADARKO PETROLEUM CORP	37E	28	22.0S	3698	LANGLIE MATTIX PENROSE SAND UNIT 003	I	Plugged	0.63	Langlie Mattix
3002510570	ANADARKO PETROLEUM CORP	37E	34	22.0S	3660	LANGLIE MATTIX PENROSE SAND UNIT 004	O	Plugged	0.63	Langlie Mattix
3002536027	BURLESON PETROLEUM, INC	37E	27	22.0S	7218	SANTA RITA 011	O	Active	0.63	Wantz/Abo
3002510401	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3592	LANGLIE MATTIX PENROSE SAND UNIT 523	O	Active	0.64	Langlie Mattix
3002510568	ELDER & WILLINGHAM	37E	34	22.0S	0	T O MAY 001	O	Plugged	0.64	Drinkard
3002510414	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3690	LANGLIE MATTIX PENROSE SAND UNIT 131	I	Active	0.65	Langlie Mattix
3002521810	LEGACY RESERVES OPERATING, LP	37E	34	22.0S	3717	LANGLIE MATTIX PENROSE SAND UNIT 218	O	Active	0.66	Langlie Mattix
3002536697	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3820	LANGLIE MATTIX PENROSE SAND UNIT 203	O	Active	0.66	Langlie Mattix
3002510484	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3515	LANGLIE MATTIX PENROSE SAND UNIT 138	O	Active	0.66	Langlie Mattix
3002537387	BURLESON PETROLEUM, INC	37E	22	22.0S	7220	SANTA RITA 003	O	Active	0.66	DRINKARD
3002538325	LEGACY RESERVES OPERATING, LP	37E	28	22.0S	3840	LANGLIE MATTIX PENROSE SAND UNIT 254	O	Active	0.67	Langlie Mattix
3002510497	LEGACY RESERVES OPERATING, LP	37E	28	22.0S	3675	LANGLIE MATTIX PENROSE SAND UNIT 243	O	Active	0.67	Langlie Mattix
3002510502	ANADARKO PETROLEUM CORP	37E	28	22.0S	3685	LANGLIE MATTIX PENROSE SAND UNIT 001	O	Plugged	0.67	Langlie Mattix
3002510415	BURLESON PETROLEUM, INC	37E	22	22.0S	6450	J V BAKER 009	O	Active	0.67	DRINKARD
3002510473	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3651	LANGLIE MATTIX PENROSE SAND UNIT 192	I	Active	0.68	Langlie Mattix
3002523771	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3700	LANGLIE MATTIX PENROSE SAND UNIT 141	O	Active	0.69	Langlie Mattix
3002526480	OXY USA INC	37E	27	22.0S	7200	LAURA J MAY 001	O	Active	0.69	Wantz/Abo
3002528088	LEGACY RESERVES OPERATING, LP	37E	27	22.0S	3715	LANGLIE MATTIX PENROSE SAND UNIT 311	O	Active	0.70	Langlie Mattix
3002510379	LEGACY RESERVES OPERATING, LP	37E	21	22.0S	3648	LANGLIE MATTIX PENROSE SAND UNIT 521	I	Active	0.72	Langlie Mattix
3002510577	LEGACY RESERVES OPERATING, LP	37E	34	22.0S	3700	LANGLIE MATTIX PENROSE SAND UNIT 361	I	Active	0.73	Langlie Mattix
3002538327	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3835	LANGLIE MATTIX PENROSE SAND UNIT 525	O	Active	0.74	Langlie Mattix
3002510421	W H STREET	37E	22	22.0S	0	W B FARRELL 001	O	Plugged	0.74	Langlie Mattix
3002531659	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3790	LANGLIE MATTIX PENROSE SAND UNIT 045	O	Active	0.76	Langlie Mattix
3002534497	ENCORE ENERGY PARTNERS OPERATING LLC	37E	22	22.0S	7360	SARAH JOHNSTON 001	O	Active	0.76	Wantz/Abo
3002528461	LEGACY RESERVES OPERATING, LP	37E	34	22.0S	3737	LANGLIE MATTIX PENROSE SAND UNIT 219	O	Active	0.76	Langlie Mattix
3002510491	LEGACY RESERVES OPERATING, LP	37E	28	22.0S	3680	LANGLIE MATTIX PENROSE SAND UNIT 283	I	Active	0.79	Langlie Mattix

3002510496	LEGACY RESERVES OPERATING, LP	37E	28	22.0S	3690	LANGLIE MATTIX PENROSE SAND UNIT 242	O	Active	0.79	Langlie Mattix
3002528126	LEGACY RESERVES OPERATING, LP	37E	34	22.0S	3712	LANGLIE MATTIX PENROSE SAND UNIT 366	O	Active	0.79	Langlie Mattix
3002510578	LEGACY RESERVES OPERATING, LP	37E	34	22.0S	3692	LANGLIE MATTIX PENROSE SAND UNIT 362	O	Active	0.80	Langlie Mattix
3002510485	TEXACO EXPLORATION ; PRODUCTION INC	37E	27	22.0S	6437	J V BAKER 010	O	Plugged	0.80	Drinkard
3002510500	KEY ENERGY SERVICES, LLC	37E	28	22.0S	6797	CHRISTMAS 003	S	Active	0.80	San Andres
3002536701	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3790	LANGLIE MATTIX PENROSE SAND UNIT 047	O	Active	0.80	Langlie Mattix
3002510490	LEGACY RESERVES OPERATING, LP	37E	28	22.0S	3690	LANGLIE MATTIX PENROSE SAND UNIT 282	O	Active	0.81	Langlie Mattix
3002535883	BURLESON PETROLEUM, INC	37E	27	22.0S	7180	SANTA RITA 001	O	Active	0.81	Wantz/Abo
3002510405	OLEAN PETROLEUM CORP	37E	22	22.0S	0	W B FARRELL 002	O	Plugged	0.81	Langlie Mattix
3002534715	ENCORE ENERGY PARTNERS OPERATING LLC	37E	22	22.0S	7425	HSOG 002	O	Active	0.83	Silurian
3002510464	LEGACY RESERVES OPERATING, LP	37E	26	22.0S	3669	LANGLIE MATTIX PENROSE SAND UNIT 172	O	Active	0.83	Langlie Mattix
3002510461	LEGACY RESERVES OPERATING, LP	37E	26	22.0S	3646	LANGLIE MATTIX PENROSE SAND UNIT 182	I	Plugged	0.84	Langlie Mattix
3002510565	ANADARKO PETROLEUM CORP	37E	33	22.0S	3710	LANGLIE MATTIX PENROSE SAND UNIT 002	I	Plugged	0.85	Langlie Mattix
3002525412	LEGACY RESERVES OPERATING, LP	37E	28	22.0S	6700	A L CHRISTMAS 001	S	Active	0.87	San Andres
3002510566	LEGACY RESERVES OPERATING, LP	37E	33	22.0S	3688	LANGLIE MATTIX PENROSE SAND UNIT 353	I	Plugged	0.87	Langlie Mattix
3002534611	ENCORE ENERGY PARTNERS OPERATING LLC	37E	22	22.0S	7475	SARAH JOHNSTON 002	O	Active	0.87	DRINKARD
3002508968	LEGACY RESERVES OPERATING, LP	37E	21	22.0S	3644	LANGLIE MATTIX PENROSE SAND UNIT 522	O	Active	0.87	Langlie Mattix
3002510571	ANADARKO PETROLEUM CORP	37E	34	22.0S	3448	LANGLIE MATTIX PENROSE SAND UNIT 007	I	Plugged	0.88	Langlie Mattix
3002536212	ANADARKO PETROLEUM CORP	37E	34	22.0S	3665	LANGLIE MATTIX PENRO 005	O	Plugged	0.88	Langlie Mattix
3002523580	LEGACY RESERVES OPERATING, LP	37E	28	22.0S	3700	LANGLIE MATTIX PENROSE SAND UNIT 272	O	Active	0.88	Langlie Mattix
3002510572	LEGACY RESERVES OPERATING, LP	37E	34	22.0S	3639	LANGLIE MATTIX PENROSE SAND UNIT 216	O	Active	0.88	Langlie Mattix
3002510460	ANADARKO PETROLEUM CORP	37E	26	22.0S	3360	LANGLIE MATTIX PENROSE SAND UNIT 001	O	Plugged	0.88	Langlie Mattix
3002510406	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3555	LANGLIE MATTIX PENROSE SAND UNIT 041	I	Active	0.89	Langlie Mattix
3002510407	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3685	LANGLIE MATTIX PENROSE SAND UNIT 042	O	Active	0.89	Langlie Mattix
3002510487	ANADARKO PETROLEUM CORP	37E	28	22.0S	3412	LANGLIE MATTIX PENROSE SAND UNIT 001	O	Plugged	0.90	Langlie Mattix
3002510411	JOHN H HENDRIX CORP	37E	22	22.0S	7130	WILL CARY 006	O	Active	0.90	Montoya
3002512739	LEGACY RESERVES OPERATING, LP	37E	34	22.0S	3688	LANGLIE MATTIX PENROSE SAND UNIT 365	O	Active	0.90	Langlie Mattix
3002523198	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3708	LANGLIE MATTIX PENROSE SAND UNIT 152	I	Active	0.90	Langlie Mattix
3002538271	LEGACY RESERVES OPERATING, LP	37E	34	22.0S	3800	LANGLIE MATTIX PENROSE SAND UNIT 368	O	Active	0.90	Langlie Mattix
3002510489	ANADARKO PETROLEUM CORP	37E	28	22.0S	6797	LANGLIE MATTIX PENROSE SAND UNIT 001	O	Plugged	0.90	Langlie Mattix
3002531658	LEGACY RESERVES OPERATING, LP	37E	21	22.0S	3800	LANGLIE MATTIX PENROSE SAND UNIT 105	O	Active	0.91	Langlie Mattix
3002538324	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3840	LANGLIE MATTIX PENROSE SAND UNIT 154	O	Active	0.92	Langlie Mattix
3002522654	ANADARKO PETROLEUM CORP	37E	28	22.0S	3700	LANGLIE MATTIX PENROSE SAND UNIT 287	I	Plugged	0.93	Langlie Mattix
3002510403	EXXON CORP	37E	22	22.0S	0	W B FARRELL 003	O	Plugged	0.93	Drinkard
3002510413	JOHN H HENDRIX CORP	37E	22	22.0S	7500	WILL CARY 008	O	Active	0.94	DRINKARD
3002510383	LEGACY RESERVES OPERATING, LP	37E	21	22.0S	3625	LANGLIE MATTIX PENROSE SAND UNIT 101	O	Active	0.95	Langlie Mattix
3002525264	CHEVRON U S A INC	37E	28	22.0S	6704	MANDA B TR C 001	O	Plugged	0.95	Blinebry
3002538320	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3845	LANGLIE MATTIX PENROSE SAND UNIT 048	O	Active	0.95	Langlie Mattix
3002534808	JOHN H HENDRIX CORP	37E	26	22.0S	7400	SHIRLEY BOYD 001	O	Active	0.95	Blinebry
3002510416	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3685	LANGLIE MATTIX PENROSE SAND UNIT 142	I	Active	0.96	Langlie Mattix
3002510553	ANADARKO PETROLEUM CORP	37E	33	22.0S	3680	LANGLIE MATTIX PENROSE SAND UNIT 002	O	Plugged	0.96	Langlie Mattix
3002510463	JOHN H HENDRIX CORP	37E	26	22.0S	6487	BAKER A 001	O	Plugged	0.97	Drinkard
3002510467	TEXACO EXPLORATION & PRODUCTION INC	37E	26	22.0S	0	BAKER A 005	O	Plugged	0.97	Blinebry
3002536700	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3795	LANGLIE MATTIX PENROSE SAND UNIT 046	O	Active	0.98	Langlie Mattix
3002510586	SHELL OIL CO	37E	35	22.0S	0	T O MAY 001	O	Plugged	0.99	Langlie Mattix
3002510579	ANADARKO PETROLEUM CORP	37E	34	22.0S	3655	LANGLIE MATTIX PENROSE SAND UNIT 003	O	Plugged	1.00	Langlie Mattix
3002523213	LEGACY RESERVES OPERATING, LP	37E	26	22.0S	3700	LANGLIE MATTIX PENROSE SAND UNIT 171	I	Plugged	1.02	Langlie Mattix
3002528693	LEGACY RESERVES OPERATING, LP	37E	34	22.0S	3721	LANGLIE MATTIX PENROSE SAND UNIT 367	I	Plugged	1.02	Langlie Mattix
3002510494	LEGACY RESERVES OPERATING, LP	37E	28	22.0S	3680	LANGLIE MATTIX PENROSE SAND UNIT 286	O	Active	1.04	Langlie Mattix
3002510492	ANADARKO PETROLEUM CORP	37E	28	22.0S		LANGLIE MATTIX PENROSE SAND UNIT 004	I	Plugged	1.05	Langlie Mattix
3002510558	LEGACY RESERVES OPERATING, LP	37E	33	22.0S	3680	LANGLIE MATTIX PENROSE SAND UNIT 341	O	Active	1.06	Langlie Mattix
3002510382	ANADARKO PETROLEUM CORP	37E	21	22.0S	3670	LANGLIE MATTIX PENROSE SAND UNIT 001	I	Plugged	1.06	Langlie Mattix
3002510388	LEGACY RESERVES OPERATING, LP	37E	21	22.0S	3620	LANGLIE MATTIX PENROSE SAND UNIT 103	I	Active	1.07	Langlie Mattix
3002524135	LEGACY RESERVES OPERATING, LP	37E	35	22.0S	3740	METEX SUPPLY A 001	O	Active	1.08	Langlie Mattix
3002510404	ANADARKO PETROLEUM CORP	37E	22	22.0S	0	LANGLIE MATTIX PENROSE SAND UNIT 001	O	Plugged	1.09	Langlie Mattix
3002510580	LEGACY RESERVES OPERATING, LP	37E	34	22.0S	3693	LANGLIE MATTIX PENROSE SAND UNIT 364	I	Active	1.09	Langlie Mattix
3002510423	LEGACY RESERVES OPERATING, LP	37E	23	22.0S	6450	LANGLIE MATTIX PENROSE SAND UNIT 161	O	Active	1.09	Langlie Mattix
3002527404	LEGACY RESERVES OPERATING, LP	37E	26	22.0S	3797	M W COLL 004	O	Active	1.10	Langlie Mattix
3002525438	OXY USA INC	37E	21	22.0S	6700	MANDA 001	O	Active	1.10	Blinebry
3002528459	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3793	LANGLIE MATTIX PENROSE SAND UNIT 153	O	Active	1.11	Langlie Mattix
3002510574	ANADARKO PETROLEUM CORP	37E	34	22.0S	0	LANGLIE MATTIX PENROSE SAND UNIT 001	I	Plugged	1.11	Langlie Mattix
3002510493	LEGACY RESERVES OPERATING, LP	37E	28	22.0S	3680	LANGLIE MATTIX PENROSE SAND UNIT A 285	O	Plugged	1.12	Langlie Mattix
3002510583	APACHE CORP	37E	34	22.0S	3670	SKELLY PENROSE A UNIT 002	I	Plugged	1.12	Langlie Mattix
3002528692	LEGACY RESERVES OPERATING, LP	37E	26	22.0S	3785	LANGLIE MATTIX PENROSE SAND UNIT 183	I	Plugged	1.13	Langlie Mattix
3002510581	CIMAREX ENERGY CO. OF COLORADO	37E	34	22.0S	3645	SKELLY PENROSE A UNIT 001	O	Active	1.13	Langlie Mattix
3002510409	JOHN H HENDRIX CORP	37E	22	22.0S		WILL CARY 004	O	Active	1.13	DRINKARD
3002510408	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3480	LANGLIE MATTIX PENROSE SAND UNIT 043	I	Active	1.14	Langlie Mattix
3002510402	ENCORE ENERGY PARTNERS OPERATING LLC	37E	22	22.0S	7940	HSOG 001	O	Active	1.14	DRINKARD
3002510468	TEXACO EXPLORATION & PRODUCTION INC	37E	26	22.0S	0	BAKER A 006	O	Plugged	1.16	Drinkard
3002510412	JOHN H HENDRIX CORP	37E	22	22.0S		WILL CARY 007	O	Plugged	1.16	Blinebry
3002510501	LEGACY RESERVES OPERATING, LP	37E	28	22.0S	3725	LANGLIE MATTIX PENROSE SAND UNIT 381	I	Active	1.16	Langlie Mattix
3002538264	RANGE OPERATING NEW MEXICO LLC	37E	28	22.0S	7183	CHRISTMAS 28 002	O	Active	1.17	Blinebry
3002510562	CIMAREX ENERGY CO. OF COLORADO	37E	33	22.0S	3435	SKELLY PENROSE A UNIT 003	O	Active	1.17	Langlie Mattix
3002538824	APACHE CORP	37E	22	22.0S	6794	EUGENE WOOD 011	O	Active	1.18	Blinebry

3002510567	LEGACY RESERVES OPERATING, LP	37E	33	22.0S	3681	LANGLIE MATTIX PENROSE SAND UNIT 322	I	Plugged	1.18	Langlie Mattix
3002538078	RANGE OPERATING NEW MEXICO LLC	37E	28	22.0S	7080	CHRISTMAS 28 001	O	Active	1.18	Blinebry
3002510387	LEGACY RESERVES OPERATING, LP	37E	21	22.0S	3620	LANGLIE MATTIX PENROSE SAND UNIT 071	I	Active	1.18	Langlie Mattix
3002524033	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3710	LANGLIE MATTIX PENROSE SAND UNIT 044	O	Active	1.19	Langlie Mattix
3002532180	CHEVRON U S A INC	37E	33	22.0S	7005	H O SIMS A 002	G	TA	1.19	Tubb
3002510417	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3692	LANGLIE MATTIX PENROSE SAND UNIT 032	O	Active	1.19	Langlie Mattix
3002523724	JOHN H HENDRIX CORP	37E	22	22.0S		WILL CARY 009	O	Plugged	1.20	Silurian
3002524282	LEGACY RESERVES OPERATING, LP	37E	26	22.0S	3750	M W COLL 003	O	Active	1.20	Langlie Mattix
3002538826	RANGE OPERATING NEW MEXICO LLC	37E	28	22.0S	6905	CHRISTMAS 28 003	O	Active	1.20	DRINKARD
3002510466	TEXACO EXPLORATION & PRODUCTION INC	37E	26	22.0S	0	BAKER A 004	O	Plugged	1.20	Drinkard
3002510573	ANADARKO PETROLEUM CORP	37E	34	22.0S	3680	LANGLIE MATTIX PENROSE SAND UNIT 004	O	Plugged	1.21	Langlie Mattix
3002510410	JOHN H HENDRIX CORP	37E	22	22.0S	8086	WILL CARY 005	G	Active	1.21	Blinebry
3002510394	APACHE CORP	37E	22	22.0S	6441	EUGENE WOOD 009	O	Active	1.21	Blinebry
3002510552	LEGACY RESERVES OPERATING, LP	37E	33	22.0S	3691	LANGLIE MATTIX PENROSE SAND UNIT 331	I	Plugged	1.21	Langlie Mattix
3002510384	LEGACY RESERVES OPERATING, LP	37E	21	22.0S	3620	LANGLIE MATTIX PENROSE SAND UNIT 102	O	Active	1.22	Langlie Mattix
3002524290	ANADARKO PETROLEUM CORP	37E	35	22.0S	0	METEX SUPPLY A 002	O	Plugged	1.23	Langlie Mattix
3002528691	LEGACY RESERVES OPERATING, LP	37E	35	22.0S	3800	METEX SUPPLY A 004	O	Active	1.24	Langlie Mattix
3002510432	WOLFSON OIL CO	37E	23	22.0S	0	BOYD 001	O	Plugged	1.25	Langlie Mattix
3002510386	LEGACY RESERVES OPERATING, LP	37E	21	22.0S	3665	LANGLIE MATTIX PENROSE SAND UNIT 111	O	Active	1.27	Langlie Mattix
3002510561	CIMAREX ENERGY CO. OF COLORADO	37E	33	22.0S	3705	SKELLY PENROSE A UNIT 004	I	TA	1.27	Langlie Mattix
3002510422	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3447	LANGLIE MATTIX PENROSE SAND UNIT 031	I	Active	1.28	Langlie Mattix
3002510389	LEGACY RESERVES OPERATING, LP	37E	21	22.0S	3610	LANGLIE MATTIX PENROSE SAND UNIT 072	O	Active	1.28	Langlie Mattix
3002524174	ANADARKO PETROLEUM CORP	37E	23	22.0S	0	LANGLIE MATTIX PENROSE SAND UNIT 001	I	Plugged	1.29	Langlie Mattix
3002510503	ANADARKO PETROLEUM CORP	37E	29	22.0S	3682	LANGLIE MATTIX PENROSE SAND UNIT 002	I	Plugged	1.29	Langlie Mattix
3002510395	APACHE CORP	37E	22	22.0S	7670	EUGENE WOOD 010	O	Active	1.30	Blinebry
3002523205	JOHN H HENDRIX CORP	37E	23	22.0S	7709	KAROLES 001	O	Active	1.30	Blinebry
3002510518	LEGACY RESERVES OPERATING, LP	37E	29	22.0S	3680	LANGLIE MATTIX PENROSE SAND UNIT 291	O	Active	1.30	Langlie Mattix
3002532179	CIMAREX ENERGY CO. OF COLORADO	37E	34	22.0S	5800	SKELLY PENROSE A UNIT 071	G	Active	1.32	Langlie Mattix
3002510513	ANADARKO PETROLEUM CORP	37E	29	22.0S		LANGLIE MATTIX PENROSE SAND UNIT 001	I	Plugged	1.33	Langlie Mattix
3002510504	LEGACY RESERVES OPERATING, LP	37E	29	22.0S	3690	LANGLIE MATTIX PENROSE SAND UNIT 293	O	Active	1.33	Langlie Mattix
3002531350	MICHAEL S MORRIS	37E	26	22.0S	9999	BAKER C 002	O	Plugged	1.33	Langlie Mattix
3002535050	ENCORE ENERGY PARTNERS OPERATING LLC	37E	26	22.0S	7630	KEOHANE 001	O	Active	1.34	Blinebry
3002535484	ENCORE OPERATING LP	37E	26	22.0S	7465	SHIRLEY BOYD 002	O	Active	1.34	Silurian
3002510433	ANADARKO PETROLEUM CORP	37E	23	22.0S	3700	LANGLIE MATTIX PENROSE SAND UNIT 021	O	Plugged	1.35	Langlie Mattix
3002510584	APACHE CORP	37E	34	22.0S	3666	SKELLY PENROSE A UNIT 011	O	Plugged	1.37	Langlie Mattix
3002510437	JOHN H HENDRIX CORP	37E	23	22.0S	0	COSSATOT F 002	O	Plugged	1.37	DRINKARD
3002510585	SKELLY OIL COMPANY	37E	34	22.0S	0	H O SIMS 016	O	Plugged	1.38	Blinebry
3002510582	GETTY OIL CO	37E	34	22.0S	0	SKELLY PENROSE A UNI 012	O	Plugged	1.38	Langlie Mattix
3002523788	LEGACY RESERVES OPERATING, LP	37E	34	22.0S	3700	LANGLIE MATTIX PENROSE SAND UNIT 375	O	Active	1.38	Langlie Mattix
3002522655	LEGACY RESERVES OPERATING, LP	37E	33	22.0S	3700	LANGLIE MATTIX PENROSE SAND UNIT 323	O	Active	1.38	Langlie Mattix
3002510396	ANADARKO PETROLEUM CORP	37E	22	22.0S		LANGLIE MATTIX PENROSE SAND UNIT 001	I	Plugged	1.38	Langlie Mattix
3002510397	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3622	LANGLIE MATTIX PENROSE SAND UNIT 512	O	Active	1.39	Langlie Mattix
3002521444	WESTERN OIL PRODUCERS INC	37E	23	22.0S	6434	OLLIE I BOYD 001	G	Plugged	1.39	Drinkard
3002510557	ANADARKO PETROLEUM CORP	37E	33	22.0S	3700	LANGLIE MATTIX PENROSE SAND UNIT 001	O	Plugged	1.39	Langlie Mattix
3002510564	CIMAREX ENERGY CO. OF COLORADO	37E	33	22.0S	3674	SKELLY PENROSE A UNIT 010	I	Active	1.40	Langlie Mattix
3002510548	LEGACY RESERVES OPERATING, LP	37E	32	22.0S	3847	LANGLIE MATTIX PENROSE SAND UNIT 301	O	Active	1.40	Langlie Mattix
3002510560	CIMAREX ENERGY CO. OF COLORADO	37E	33	22.0S	3710	SKELLY PENROSE A UNIT 005	O	Active	1.40	Langlie Mattix
3002510380	ANADARKO PETROLEUM CORP	37E	21	22.0S	3600	LANGLIE MATTIX PENROSE SAND UNIT 001	I	Plugged	1.41	Langlie Mattix
3002510398	OXY USA INC	37E	22	22.0S	8110	E M ELLIOTT FEDERAL 003	O	Active	1.42	Tubb
3002510399	OXY USA INC	37E	22	22.0S	6516	E M ELLIOTT FEDERAL 004	O	Active	1.42	DRINKARD
3002510385	LEGACY RESERVES OPERATING, LP	37E	21	22.0S	3637	LANGLIE MATTIX PENROSE SAND UNIT 061	O	Active	1.42	Langlie Mattix
3002538812	APACHE CORP	37E	22	22.0S	6700	EUGENE WOOD 012	O	Active	1.43	Blinebry
3002510418	ANADARKO PETROLEUM CORP	37E	22	22.0S		LANGLIE MATTIX PENROSE SAND UNIT 003	I	Plugged	1.43	Langlie Mattix
3002524904	LEGACY RESERVES OPERATING, LP	37E	35	22.0S	3700	METEX SUPPLY A 003	O	Active	1.43	Langlie Mattix
3002524501	SEELY OIL CO	37E	35	22.0S	3638	FLUOR 002	O	Active	1.44	Langlie Mattix
3002524445	SEELY OIL CO	37E	26	22.0S		LOWE 001	O	Plugged	1.44	Langlie Mattix
3002524913	JOHN H HENDRIX CORP	37E	23	22.0S	7428	COSSATOT F 005	O	Active	1.44	DRINKARD
3002510400	OXY USA INC	37E	22	22.0S	7325	E M ELLIOTT FEDERAL 005	O	Active	1.44	Blinebry
3002510420	APACHE CORP	37E	22	22.0S	8116	EUGENE WOOD 005	O	Active	1.44	Blinebry
3002510425	CHEVRON U S A INC	37E	23	22.0S	6420	O I BOYD 003	O	Plugged	1.44	Blinebry
3002510465	SKELLY OIL COMPANY	37E	26	22.0S	0	A B BAKER A 003	O	Plugged	1.44	Granite
3002510393	APACHE CORP	37E	22	22.0S	6420	EUGENE WOOD 008	O	Active	1.45	DRINKARD
3002523262	LEGACY RESERVES OPERATING, LP	37E	21	22.0S	3710	LANGLIE MATTIX PENROSE SAND UNIT 104	I	Plugged	1.46	Langlie Mattix
3002525211	RICE OPERATING COMPANY	37E	22	22.0S	4965	BLINEBRY DRINKARD 022	S	Active	1.47	Blinebry
3002510575	LEGACY RESERVES OPERATING, LP	37E	34	22.0S	3640	LANGLIE MATTIX PENROSE SAND UNIT 372	O	Active	1.47	Langlie Mattix
3002533546	CHESAPEAKE OPERATING, INC.	37E	23	22.0S	5950	OLLIE J BOYD 008	O	Plugged	1.48	Blinebry
3002510377	ANADARKO PETROLEUM CORP	37E	20	22.0S		LANGLIE MATTIX PENROSE SAND UNIT 001	I	Plugged	1.49	Langlie Mattix
3002523581	NORDSTRAND ENGINEERING INC	37E	21	22.0S	7325	WALDEN 001	O	Active	1.49	DRINKARD
3002510563	CIMAREX ENERGY CO. OF COLORADO	37E	33	22.0S	3680	SKELLY PENROSE A UNIT 009	O	Active	1.50	Langlie Mattix
3002510390	LEGACY RESERVES OPERATING, LP	37E	21	22.0S	3615	LANGLIE MATTIX PENROSE SAND UNIT 073	I	Active	1.51	Langlie Mattix
3002510391	APACHE CORP	37E	22	22.0S	7504	EUGENE WOOD 006	O	Active	1.51	Ellenburger
3002510392	APACHE CORP	37E	22	22.0S	6440	EUGENE WOOD 007	G	Active	1.51	Blinebry
3002524615	SEELY OIL CO	37E	35	22.0S	3658	FLUOR 003	O	Active	1.52	Langlie Mattix
3002522884	KAISER-FRANCIS OIL CO	37E	26	22.0S		BAKER 001	O	Plugged	1.52	DRINKARD

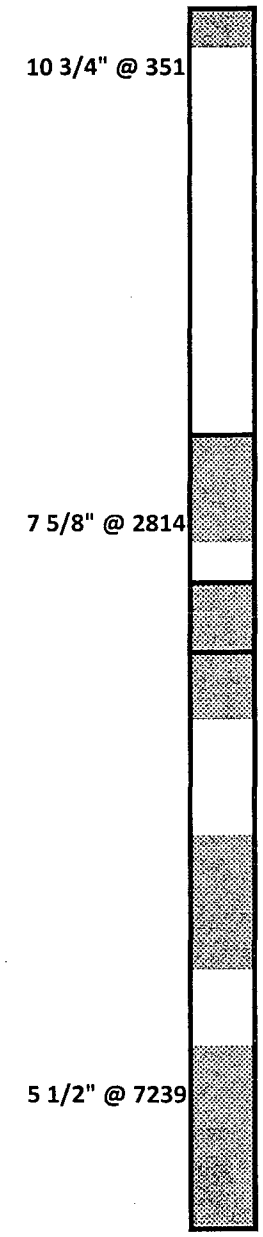
3002510419	LEGACY RESERVES OPERATING, LP	37E	22	22.0S	3686	LANGLIE MATTIX PENROSE SAND UNIT 034	O	Active	1.52	Langlie Mattix
3002510588	JACK HUFF	37E	35	22.0S	99	SHIPMAN 001	O	Plugged	1.52	Blinebry
3002533913	CIMAREX ENERGY CO. OF COLORADO	37E	3	23.0S	3750	SKELLY PENROSE A UNIT 078	O	Active	1.53	Langlie Mattix
3002510424	CHEVRON U S A INC	37E	23	22.0S	6440	O I BOYD 002	O	TA	1.53	Langlie Mattix
3002533937	CIMAREX ENERGY CO. OF COLORADO	37E	3	23.0S	3750	SKELLY PENROSE A UNIT 077	O	Active	1.54	Langlie Mattix
3002510576	LEGACY RESERVES OPERATING, LP	37E	34	22.0S	3654	LANGLIE MATTIX PENROSE SAND UNIT 373	I	Active	1.55	Langlie Mattix
3002510554	CIMAREX ENERGY CO. OF COLORADO	37E	33	22.0S	3689	SKELLY PENROSE A UNIT 006	I	TA	1.57	Langlie Mattix
3002524819	CIMAREX ENERGY CO. OF COLORADO	37E	33	22.0S	3750	SKELLY PENROSE A UNIT 065	O	Active	1.58	Langlie Mattix
3002538876	APACHE CORP	37E	15	22.0S	6700	E W WALDEN 010	O	Active	1.58	Blinebry
3002524620	PETRO SEARCH EXPLORATION CORP	37E	26	22.0S	0	KEOHANE 001	O	Plugged	1.58	Blinebry
3002510601	TEXACO EXPLORATION ; PRODUCTION INC	37E	3	23.0S	3632	SKELLY PENROSE A UNIT 013	I	Plugged	1.59	Langlie Mattix
3002522508	SAMEDAN OIL CORP	37E	23	22.0S	0	BOYD 002	O	Plugged	1.60	Drinkard
3002510505	LEGACY RESERVES OPERATING, LP	37E	29	22.0S	3650	LANGLIE MATTIX PENROSE SAND UNIT 392	O	Active	1.60	Langlie Mattix
3002510547	ANADARKO PETROLEUM CORP	37E	32	22.0S	0	LANGLIE MATTIX PENROSE SAND UNIT 001	I	Plugged	1.61	Langlie Mattix
3002510436	CHESAPEAKE OPERATING, INC.	37E	23	22.0S	6418	OLLIE J BOYD 004	O	Active	1.61	Paddock
3002510507	KIRBY PETROLEUM CO	37E	29	22.0S	0	NEW MEXICO M STATE 016	I	Plugged	1.61	Langlie Mattix
3002524449	JOHN H HENDRIX CORP	37E	23	22.0S	7267	COSSATOT F 003	O	Active	1.61	Wantz/Granite Wash
3002525356	CHEVRON U S A INC	37E	16	22.0S	7338	R E COLE NCT A 017	O	Active	1.61	San Andres
3002510555	APACHE CORP	37E	33	22.0S	3700	SKELLY PENROSE A UNIT 008	I	Plugged	1.61	Langlie Mattix
3002522383	CHEVRON U S A INC	37E	23	22.0S	7828	O I BOYD 004	O	Active	1.61	DRINKARD
3002528204	CHESAPEAKE OPERATING, INC.	37E	15	22.0S	4060	E W WALDEN 014	O	Active	1.62	Langlie Mattix
3002510381	LEGACY RESERVES OPERATING, LP	37E	21	22.0S	3613	LANGLIE MATTIX PENROSE SAND UNIT 082	O	Active	1.62	Langlie Mattix
3002527882	C W STUMHOFFER	37E	35	22.0S	3685	SHIPMAN 001	O	Plugged	1.62	Langlie Mattix
3002510605	CIMAREX ENERGY CO. OF COLORADO	37E	3	23.0S	3622	SKELLY PENROSE A UNIT 015	O	Plugged	1.62	Langlie Mattix
3002510606	SKELLY OIL COMPANY	37E	3	23.0S	3637	SKELLY PENROSE A UNI 014	O	Plugged	1.63	Langlie Mattix
3002510511	KIRBY PETROLEUM CO	37E	29	22.0S	0	NEW MEXICO M STATE 021	O	Plugged	1.63	Langlie Mattix
3002510286	ANADARKO PRODUCTION	37E	15	22.0S	0	E W WALDEN 005	O	Plugged	1.63	Langlie Mattix
3002510288	CHESAPEAKE OPERATING, INC.	37E	15	22.0S	3720	E W WALDEN 006	I	Active	1.64	Langlie Mattix
3002524451	SEELY OIL CO	37E	35	22.0S	4500	FLUOR 001	O	TA	1.64	Langlie Mattix
3002533718	CIMAREX ENERGY CO. OF COLORADO	37E	3	23.0S	3750	SKELLY PENROSE A UNIT 014	O	Active	1.64	Langlie Mattix
3002510274	APACHE CORP	37E	15	22.0S	8090	E W WALDEN 006	O	Active	1.64	Blinebry
3002510438	SAMEDAN OIL CORP	37E	23	22.0S	0	BOYD 001	O	Plugged	1.65	Drinkard
3002510512	GP II ENERGY INC	37E	29	22.0S	3678	NEW MEXICO M STATE 022	I	Plugged	1.65	Langlie Mattix
3002523770	LEGACY RESERVES OPERATING, LP	37E	21	22.0S	3700	LANGLIE MATTIX PENROSE SAND UNIT 084	O	Active	1.65	Langlie Mattix
3002510271	APACHE CORP	37E	15	22.0S	7875	E W WALDEN 003	O	Active	1.65	Paddock
3002510282	CONOCOPHILLIPS COMPANY	37E	15	22.0S	6530	ELLIOTT A 15 004	O	Active	1.65	DRINKARD
3002524532	JOHN H HENDRIX CORP	37E	23	22.0S	7288	COSSATOT F 004	O	Plugged	1.65	DRINKARD
3002510275	APACHE CORP	37E	15	22.0S	6475	E W WALDEN 007	O	Active	1.65	Blinebry
3002510625	CIMAREX ENERGY CO. OF COLORADO	37E	4	23.0S	3680	SKELLY PENROSE A UNIT 016	O	Active	1.66	Langlie Mattix
3002524173	ANADARKO PETROLEUM CORP	37E	23	22.0S	0	LANGLIE MATTIX PENROSE SAND UNIT 002	I	Plugged	1.66	Langlie Mattix
3002510313	CHEVRON U S A INC	37E	16	22.0S	3701	R E COLE NCT A 001	O	Active	1.67	Langlie Mattix
3002510280	CONOCOPHILLIPS COMPANY	37E	15	22.0S	7788	ELLIOTT A 15 003	O	Active	1.67	Ellenburger
3002510283	JOHN H HENDRIX CORP	37E	15	22.0S	7700	ELLIOTT A 15 005	O	Active	1.67	Tubb
3002510434	CHESAPEAKE OPERATING, INC.	37E	23	22.0S	6460	OLLIE J BOYD 002	O	Active	1.67	Paddock
3002510278	CONOCO INC	37E	15	22.0S	3675	ELLIOTT A 15 002	O	Plugged	1.68	Langlie Mattix
3002510550	PROVIDENCE ENERGY SERVS" INC.-KELTON OP CORP	37E	32	22.0S	3731	SKELLY PENROSE B UNIT 001	I	TA	1.68	Langlie Mattix
3002510469	DONALD SHARRATT	37E	26	22.0S		BAKER C 001	O	Plugged	1.69	Blinebry
3002534161	CIMAREX ENERGY CO. OF COLORADO	37E	3	23.0S	3750	SKELLY PENROSE A UNIT 093	O	Active	1.69	Langlie Mattix
3002524603	CHESAPEAKE OPERATING, INC.	37E	15	22.0S	4600	E W WALDEN 011	O	Active	1.69	Langlie Mattix
3002524667	SEELY OIL CO	37E	35	22.0S	0	FLUOR 004	O	Plugged	1.70	Langlie Mattix
3002523536	FINLEY RESOURCES INC	37E	20	22.0S	3900	CLOWER STATE 001	O	Active	1.70	Langlie Mattix
3002510426	TEXAS PACIFIC OIL CO INC	37E	23	22.0S	0	BOYD 001	O	Plugged	1.70	Drinkard
3002510462	CAMPBELL & HEDRICK	37E	26	22.0S	0	ALLIE M LEE 001	O	Plugged	1.71	Blinebry
3002510276	CONOCO INC	37E	15	22.0S		ELLIOTT A 15 001	O	Plugged	1.71	Langlie Mattix
3002523810	GP II ENERGY INC	37E	20	22.0S	3786	NEW MEXICO M STATE 070	O	Plugged	1.72	Langlie Mattix
3002533783	CIMAREX ENERGY CO. OF COLORADO	37E	3	23.0S	3750	SKELLY PENROSE A UNIT 080	O	Active	1.72	Langlie Mattix
3002524255	GP II ENERGY INC	37E	29	22.0S	3680	NEW MEXICO M STATE 066	O	Active	1.73	Langlie Mattix
3002510624	CIMAREX ENERGY CO. OF COLORADO	37E	4	23.0S	3813	SKELLY PENROSE A UNIT 017	I	TA	1.73	Langlie Mattix
3002510310	CHESAPEAKE OPERATING, INC.	37E	16	22.0S	3735	R E COLE 001	O	Active	1.74	Langlie Mattix
3002524139	GP II ENERGY INC	37E	29	22.0S	3817	NEW MEXICO M STATE 062	O	Plugged	1.74	Langlie Mattix
3002534084	JOHN H HENDRIX CORP	37E	23	22.0S	6605	BOYD 008	O	Active	1.74	Blinebry
3002531957	ERNMAR INVESTMENTS, INC.	37E	3	23.0S		ELLEN SIMS 009	O	Active	1.74	Blinebry
3002510559	CIMAREX ENERGY CO. OF COLORADO	37E	33	22.0S	3716	SKELLY PENROSE A UNIT 007	O	Active	1.75	Langlie Mattix
3002510284	JOHN H HENDRIX CORP	37E	15	22.0S	6530	ELLIOTT A 15 006	O	Active	1.75	Blinebry
3002510536	OXY USA INC	37E	32	22.0S		SKELLY PENROSE B UNIT 007	O	Plugged	1.75	Langlie Mattix
3002522621	MOMENTUM OPERATING CO INC	37E	26	22.0S	7754	BAKER 002	O	Plugged	1.76	DRINKARD
3002522253	JOHN H HENDRIX CORP	37E	23	22.0S	7485	LEE 002	O	Active	1.76	Blinebry
3002524016	HIGHLAND PROD CO	37E	20	22.0S	0	ELLIOTT B 20 001	O	Plugged	1.76	Langlie Mattix
3002533784	CIMAREX ENERGY CO. OF COLORADO	37E	4	23.0S	3750	SKELLY PENROSE A UNIT 081	O	TA	1.76	Langlie Mattix
3002510378	LEGACY RESERVES OPERATING, LP	37E	21	22.0S	3630	LANGLIE MATTIX PENROSE SAND UNIT 083	O	Active	1.76	Langlie Mattix
3002533938	CIMAREX ENERGY CO. OF COLORADO	37E	3	23.0S	3750	SKELLY PENROSE A UNIT 079	O	Active	1.77	Langlie Mattix
3002537489	CHESAPEAKE OPERATING, INC.	37E	16	22.0S	4504	R E COLE 004	O	Active	1.78	Langlie Mattix
3002527956	CHESAPEAKE OPERATING, INC.	37E	15	22.0S	4050	E W WALDEN 013	O	Active	1.78	Langlie Mattix
3002510265	ANADARKO PETROLEUM CORP	37E	14	22.0S	3800	LANGLIE MATTIX PENROSE SAND UNIT 001	O	Plugged	1.78	Langlie Mattix

3002524138	GP II ENERGY INC	37E	29	22.0S	3840	NEW MEXICO M STATE 071	G	Plugged	1.78	Langlie Mattix
3002510587	HUMBLE OIL & REFINING CO	37E	35	22.0S	0	B E BOYD 001	O	Plugged	1.79	Langlie Mattix
3002523044	CHEVRON U S A INC	37E	16	22.0S	7340	R E COLE NCT A 013	O	Active	1.79	DRINKARD
3002510435	REPOLLO OIL CO	37E	23	22.0S	0	OLLIE BOYD 003	O	Plugged	1.79	Langlie Mattix
3002538217	CHESAPEAKE OPERATING, INC.	37E	23	22.0S	4340	OLLIE J BOYD 23 001	O	Active	1.80	Langlie Mattix
3002510263	JOHN H HENDRIX CORP	37E	14	22.0S	7324	PARKS 002	O	Active	1.81	Blinebry
3002510311	CHESAPEAKE OPERATING, INC.	37E	16	22.0S	3675	R E COLE 002	O	Active	1.81	Langlie Mattix
3002523822	GP II ENERGY INC	37E	20	22.0S	3807	NEW MEXICO M STATE 072	O	Active	1.82	Langlie Mattix
3002510542	PROVIDENCE ENERGY SERVS" INC.-KELTON OP CORP	37E	32	22.0S	3875	SKELLY PENROSE B UNIT 006	O	TA	1.82	Langlie Mattix
3002524589	CIMAREX ENERGY CO. OF COLORADO	37E	3	23.0S	3800	ELLEN SIMS A 002	O	Active	1.83	Langlie Mattix
3002510613	TEXACO EXPLORATION ; PRODUCTION INC	37E	4	23.0S	3706	SKELLY PENROSE A UNIT 018	O	Plugged	1.83	Langlie Mattix
3002538371	APACHE CORP	37E	15	22.0S	6750	E W WALDEN 009	O	Active	1.83	Tubb
3002532757	CHESAPEAKE OPERATING, INC.	37E	23	22.0S	5927	OLLIE J BOYD 007	O	Active	1.83	Blinebry
3002524279	JOHN H HENDRIX CORP	37E	23	22.0S	7324	COSSATOT F 001	O	Active	1.84	Wantz/Granite Wash
3002510298	JOHN H HENDRIX CORP	37E	15	22.0S	7690	ELLIOTT A 15 001	O	Active	1.85	Langlie Mattix
3002510509	KIRBY PETROLEUM CO	37E	29	22.0S	0	NEW MEXICO M STATE 018	O	Plugged	1.85	Langlie Mattix
3002510510	GP II ENERGY INC	37E	29	22.0S	6850	NEW MEXICO M STATE 020	I	Active	1.85	Langlie Mattix
3002524430	SEELY OIL CO	37E	2	23.0S	3750	GULF STATE 001	O	Active	1.85	Langlie Mattix
3002510273	APACHE CORP	37E	15	22.0S	6495	E W WALDEN 005	O	Active	1.86	Tubb
3002523926	GP II ENERGY INC	37E	20	22.0S	3830	NEW MEXICO M STATE 074	O	Active	1.86	Langlie Mattix
3002510439	JOHN H HENDRIX CORP	37E	23	22.0S	6441	LEE 001	G	Active	1.86	Blinebry
3002510296	APACHE CORP	37E	15	22.0S	7858	E W WALDEN 001	O	TA	1.87	Ellenburger
3002510603	CIMAREX ENERGY CO. OF COLORADO	37E	3	23.0S	3620	SKELLY PENROSE A UNIT 022	O	Active	1.87	Langlie Mattix
3002522168	CHEVRON U S A INC	37E	16	22.0S	7335	R E COLE NCT A 009	O	Active	1.87	Blinebry
3002510611	CIMAREX ENERGY CO. OF COLORADO	37E	3	23.0S	3602	SKELLY PENROSE A UNIT 023	I	Active	1.88	Langlie Mattix
3002510537	PROVIDENCE ENERGY SERVS" INC.-KELTON OP CORP	37E	32	22.0S	3725	SKELLY PENROSE B UNIT 016	I	TA	1.88	Langlie Mattix
3002510272	APACHE CORP	37E	15	22.0S	7917	E W WALDEN 004	O	Active	1.88	Blinebry
3002510506	GP II ENERGY INC	37E	29	22.0S	3718	NEW MEXICO M STATE 015	I	Plugged	1.88	Langlie Mattix
3002510287	CHESAPEAKE OPERATING, INC.	37E	15	22.0S	4823	E W WALDEN 004	S	Plugged	1.88	Langlie Mattix
3002510293	JOHN H HENDRIX CORP	37E	15	22.0S	6470	ELLIOTT A 15 002	O	Active	1.89	Tubb
3002510297	ANADARKO PRODUCTION	37E	15	22.0S	0	E W WALDEN 003	O	Plugged	1.89	Langlie Mattix
3002510514	GP II ENERGY INC	37E	29	22.0S		NEW MEXICO M STATE 023	I	Plugged	1.89	Langlie Mattix
3002523615	BETTIS BOYLE ; STOVALL,INC.	37E	20	22.0S	4000	PATSY 001	O	Active	1.89	Langlie Mattix
3002510544	PROVIDENCE ENERGY SERVS" INC.-KELTON OP CORP	37E	32	22.0S	3805	SKELLY PENROSE B UNIT 002	O	Active	1.89	Langlie Mattix
3002510270	APACHE CORP	37E	15	22.0S	6470	E W WALDEN 002	O	Active	1.89	Blinebry
3002521274	GP II ENERGY INC	37E	20	22.0S	3700	NEW MEXICO M STATE 047	I	Plugged	1.89	Langlie Mattix
3002510619	CIMAREX ENERGY CO. OF COLORADO	37E	4	23.0S	3668	SKELLY PENROSE A UNIT 021	I	Active	1.90	Langlie Mattix
3002522132	JOHN H HENDRIX CORP	37E	25	22.0S	7895	E E DRINKARD 002	O	Active	1.90	Blinebry
3002510427	JOHN H HENDRIX CORP	37E	23	22.0S		BOYD 002	G	Plugged	1.91	Drinkard
3002510598	CIMAREX ENERGY CO. OF COLORADO	37E	3	23.0S	3610	SKELLY PENROSE A UNIT 024	O	Active	1.91	Langlie Mattix
3002510315	CHEVRON U S A INC	37E	16	22.0S	3715	R E COLE NCT A 003	O	Active	1.91	Langlie Mattix
3002530375	PROVIDENCE ENERGY SERVS" INC.-KELTON OP CORP	37E	32	22.0S	3940	SKELLY PENROSE B UNIT 069	O	Active	1.92	Langlie Mattix
3002534088	JOHN H HENDRIX CORP	37E	23	22.0S	6600	BOYD 007	O	Active	1.92	Blinebry
3002510312	CHESAPEAKE OPERATING, INC.	37E	16	22.0S	3660	R E COLE 003	I	Active	1.92	Langlie Mattix
3002510428	JOHN H HENDRIX CORP	37E	23	22.0S	6324	BOYD 002Y	G	Active	1.92	Blinebry
3002522389	CONOCOPHILLIPS COMPANY	37E	24	22.0S	7625	SIMS 006	O	Active	1.92	Drinkard
3002522797	RICE OPERATING COMPANY	37E	35	22.0S	5250	BLINEBRY DRINKARD 035	S	Active	1.92	Blinebry
3002510318	CHEVRON U S A INC	37E	16	22.0S	8066	R E COLE NCT A 005	O	Active	1.93	Langlie Mattix
3002528672	JOHN H HENDRIX CORP	37E	25	22.0S		E E DRINKARD 003	O	Plugged	1.93	Drinkard
3002524586	GULF OIL CORP	37E	2	23.0S	3775	LEA OC STATE 001	O	Plugged	1.94	Langlie Mattix
3002510612	SKELLY OIL COMPANY	37E	3	23.0S	6620	SIMS 002	O	Plugged	1.94	Blinebry
3002522983	CHESAPEAKE OPERATING, INC.	37E	15	22.0S	4102	E W WALDEN 008	O	Plugged	1.94	Langlie Mattix
3002522185	CHESAPEAKE OPERATING, INC.	37E	15	22.0S	3870	E W WALDEN 007	O	Active	1.94	Langlie Mattix
3002510538	PROVIDENCE ENERGY SERVS" INC.-KELTON OP CORP	37E	32	22.0S	3880	SKELLY PENROSE B UNIT 008	I	TA	1.95	Langlie Mattix
3002510627	PROVIDENCE ENERGY SERVS" INC.-KELTON OP CORP	37E	4	23.0S	3720	SKELLY PENROSE B UNIT 017	I	Active	1.96	Langlie Mattix
3002524469	CIMAREX ENERGY CO. OF COLORADO	37E	3	23.0S	3800	ELLEN SIMS A 001	O	Active	1.96	Langlie Mattix
3002510430	TEXAS PACIFIC OIL CO INC	37E	23	22.0S	0	BOYD 004	O	Plugged	1.96	Langlie Mattix
3002524059	FINLEY RESOURCES INC	37E	20	22.0S	3770	ELLIOTT B 20 002	O	Active	1.96	Langlie Mattix
3002510618	CIMAREX ENERGY CO. OF COLORADO	37E	4	23.0S	3687	SKELLY PENROSE A UNIT 020	O	Active	1.96	Langlie Mattix
3002524254	GP II ENERGY INC	37E	29	22.0S	3680	NEW MEXICO M STATE 065	I	Active	1.97	Langlie Mattix
3002522382	CHEVRON U S A INC	37E	16	22.0S	7260	R E COLE NCT A 011	O	Active	1.97	San Andres
3002510431	SUN EXPLORATION & PRODUCTION CO	37E	23	22.0S	0	BOYD 005	G	Plugged	1.98	Drinkard
3002533787	CIMAREX ENERGY CO. OF COLORADO	37E	3	23.0S	3750	SKELLY PENROSE A UNIT 085	O	Plugged	1.98	Langlie Mattix
3002510543	PROVIDENCE ENERGY SERVS" INC.-KELTON OP CORP	37E	32	22.0S	3807	SKELLY PENROSE B UNIT 005	I	TA	1.98	Langlie Mattix
3002525689	CHEVRON U S A INC	37E	16	22.0S	6665	R E COLE NCT A 018	O	TA	1.98	Blinebry
3002510281	JOHN H HENDRIX CORP	37E	15	22.0S	6556	ELLIOTT B 15 COM AC 1 003	O	Active	1.99	Tubb
3002524159	GP II ENERGY INC	37E	29	22.0S	3677	NEW MEXICO M STATE 061	O	Active	1.99	Langlie Mattix
3002524211	JOHN H HENDRIX CORP	37E	14	22.0S		PARKS 009	O	Active	1.99	Blinebry

Well Penetrating San Andres Within One Mile of Proposed Targa AGI/SWD #1

PLUGGING DIAGRAMS FOR WELLS PENETRATING SAN ANDRES WITHIN ONE MILE OF PROPOSED TARGA AGI/SWD #1

API #	3002510403
OPERATOR	EXXON CORP
SPUDDATE	10/8/1949
RANGE	37E
TOWNSHIP	22S
SECTION	22
WELL_NAME	W B FARRELL 003
PLUGDATE	11/27/1972
DISTANCE FROM TARGA AGI (Mi)	0.93



10 sx to srf

100 sx
2883 - 2500

200 sx
3100 - 3502

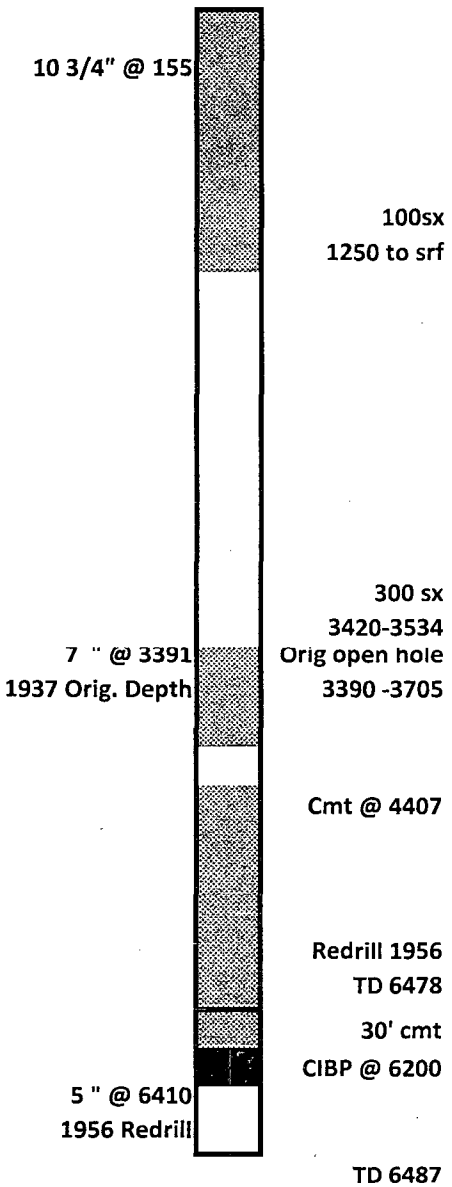
25 sx
3585 - 3785

50 sx
6410 - 6440
Perf:
6410 - 6440

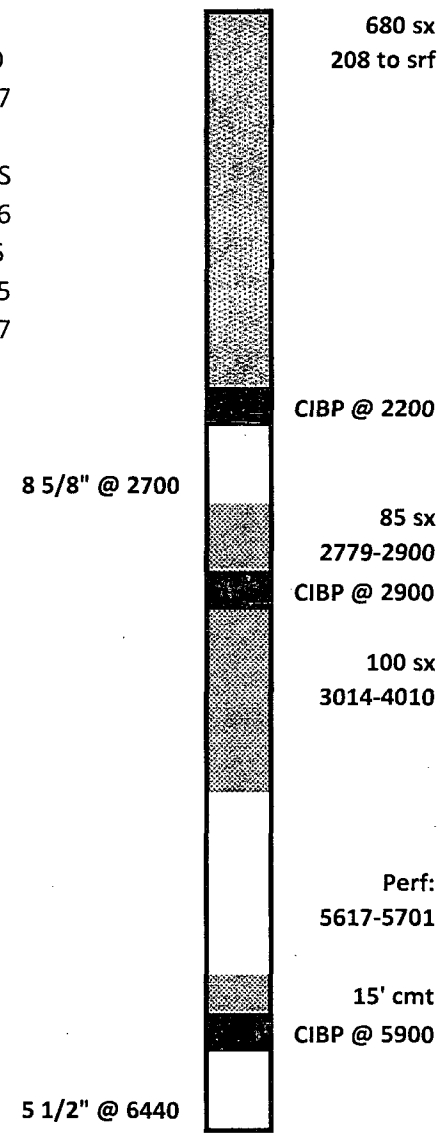
90sx
7254 - 8190

TD 8190

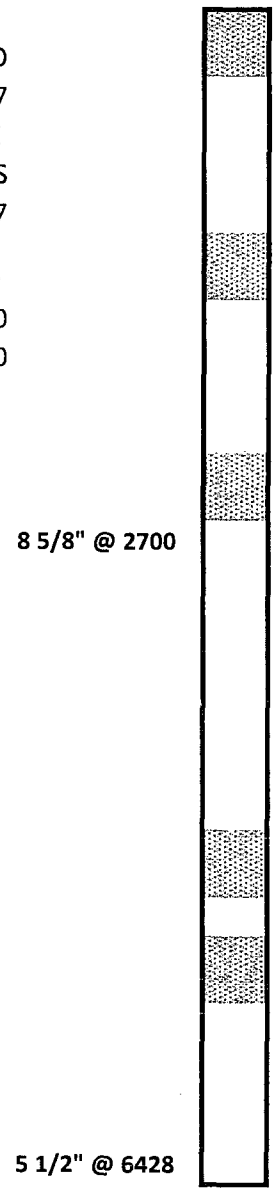
API #	3002510463
OPERATOR	JOHN H HENDRIX CORP
SPUDDATE	6/29/1937
RANGE	37 E
TOWNSHIP	22S
SECTION	26
WELL_NAME	BAKER A 001
PLUGDATE	7/25/2005
DISTANCE FROM TARGA AGI (Mi)	0.97



API #	3002510467
OPERATOR	TEXACO
SPUDDATE	1/24/1957
RANGE	37E
TOWNSHIP	22S
SECTION	26
WELL_NAME	BAKER A 005
PLUGDATE	2/20/1985
DISTANCE FROM TARGA AGI (Mi)	0.97



API #	3002510485
OPERATOR	TEXACO
SPUDDATE	4/18/1957
RANGE	37E
TOWNSHIP	22S
SECTION	27
WELL_NAME	J V BAKER 010
PLUGDATE	12/19/1990
DISTANCE FROM TARGA AGI (Mi)	0.80



10 sx
31' to srf.

30 sx
1159-1256

35 sx
2610-2766

8 5/8" @ 2700

25 sx
4695-4985

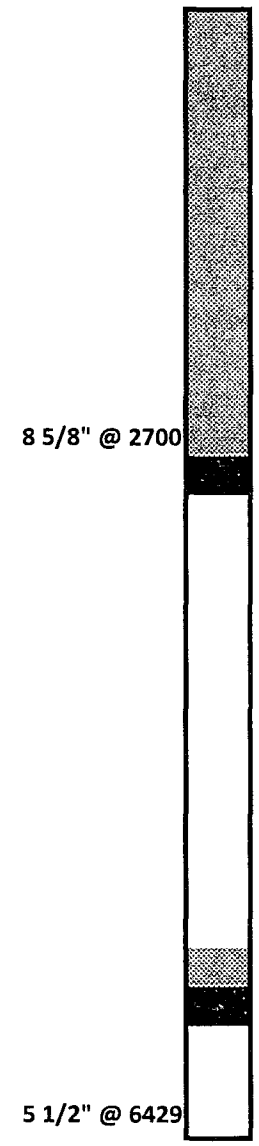
25 sx
5205-5550

Perf:
6385-6403

5 1/2" @ 6428

TD 6485

API #	3002510486
OPERATOR	YARBROUGH OIL LP
SPUDDATE	7/18/1957
RANGE	37E
TOWNSHIP	22S
SECTION	27
WELL_NAME	J V BAKER 011
PLUGDATE	10/21/2000
DISTANCE FROM TARGA AGI (Mi)	0.59



260 sx
To srf

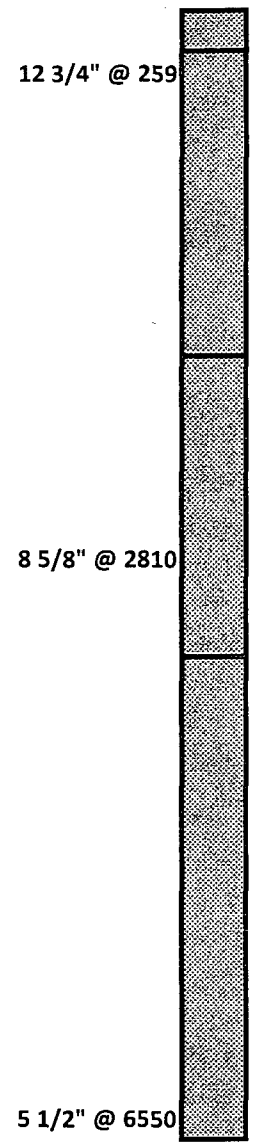
CIBP @ 2905

Perf 5588 -5800
(1983) Blinebry

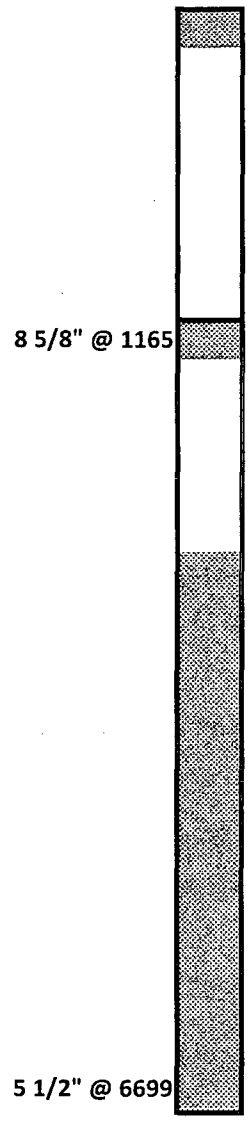
10' cmt on CIBP
CIBP @ 5950
Perf 6319 - 6424
(1953-73) Drinkard

TD 6452

API #	3002510568
OPERATOR	ELDER & WILLINGHAM
SPUDDATE	1/20/1949
RANGE	37E
TOWNSHIP	22S
SECTION	34
WELL_NAME	T O MAY 001
PLUGDATE	3/6/1975
DISTANCE FROM TARGA AGI (Mi)	0.64



API #	3002525264
OPERATOR	CHEVRON U S A INC
SPUDDATE	4/27/1976
RANGE	37E
TOWNSHIP	22s
SECTION	28
WELL_NAME	MANDA B TR C 001
PLUGDATE	9/2/1990
DISTANCE FROM TARGA AGI (Mi)	0.95



90 ft to srf

sqz 30 sx

465 sx
2762 - 6561

Perf:
6402- 6561

TD 6700
P& A 9-90

PLUGGING DOCUMENTATION FOR PLUGGED WELLS WITHIN ONE MILE OF PROPOSED TARGA AGI/SWD

30025/0403

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

CHANGE OPERATOR NAME FROM
HUMBLE OIL & [illegible] COMPANY
TO [illegible]
EFFECTIVE JANUARY 1, 19[illegible]

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT –" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER-

7. Unit Agreement Name

2. Name of Operator: HUMBLE OIL & REFINING COMPANY

8. Farm or Lease Name: W. B. FERREL

3. Address of Operator: P.O. BOX 1600, MIDLAND, TEXAS 79701

9. Well No.: 3

4. Location of Well: UNIT LETTER J, 2180 FEET FROM THE EAST LINE AND 1880 FEET FROM THE SOUTH LINE, SECTION 22 TOWNSHIP 22-S RANGE 37-E NMPM.

10. Field and Pool, or Wildcat: DRINKARD

15. Elevation *(Show whether DF, RT, GR, etc.)*: 3358 DF

12. County: LEA

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☒
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER ☐	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

1. SET 50 SX CLASS H CEMENT PLUG AT 6440-6000, TESTED PLUG W/1000 PSI, HELD OK.
2. CUT 2" TBG AT 3787 AND PULLED
3. SET 25 SX CLASS H CEMENT PLUG FROM 3785-3585.
4. CUT 5½" CSG AT 3502 AND PULLED.
5. SET 200 SX CLASS H CEMENT PLUG FROM 3502-3100.
6. SET 100 SX CLASS H CEMENT PLUG FROM 3100-2883, TESTED PLUG W/200 PSI, HELD OK.
7. SET 75 SX CLASS H CEMENT PLUG FROM 2883-2500.
8. LOADED HOLE WITH MUD LADEN FLUID AND SET 10 SX CLASS H CEMENT SURFACE PLUG.
9. INSTALLED DRY HOLE MARKER AS REQUIRED BY NMOCC.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED [signature] TITLE UNIT HEAD DATE 11-27-72

APPROVED BY Nathan E Clegg TITLE ______ DATE ______

CONDITIONS OF APPROVAL, IF ANY:

30025104 05

FORM C-103

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELL

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-offs, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

RECEIVED
MAY 10 1939
HOBBS OFFICE

Bristow, Oklahoma. (Place) May 8, 1939 (Date)

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

DUPLICATE

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

Olean Petroleum Company (COMPANY OR OPERATOR) Ferrell (LEASE) Well No. 2 in the SW SE SE of Sec. 22, T. 22S, R. 37E, N. M. P. M.,

Penrose Field, Lea County

The dates of this work were as follows: Commenced April 28th, Finished May 4th, 1939

Notice of intention to do the work was ([illegible] submitted on Form C-102 on April 23, 1939 and approval of the proposed plan was ([illegible] obtained. (Cross out incorrect words)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Hole was filled with heavy mud to 3300', let mud settle for 24 hrs, then bailed to 3450'. Put in bridge & dumped 28 sacks of cement; let cement set 16 hrs and ran bailer; found top of cement at 3295'. Put in 1000' of heavy mud, ripped 7" csg off at 1900' and filled with heavy mud to 1065'. After 7" pipe was pulled, bailed mud to 1170', put in bridge & dumped 16 sacks of Ineor cement. Then filled hole with heavy mud to 350' of top, ripped 8-5/8" csg off at 360', bridged hole and dumped in 18 sacks of Ineor cement. Filled hole with heavy mud to 30' of top, bridged and filled to the top with Ineor cement. Cemented in 1 joint of 4" pipe and let it extend 4 ft above surface of ground. Casing left in hole: 767' of 8-5/8", 1475' of 7", and 158' of 10", the 10" having been cemented from 158' to surface when run.

Witnessed by L. E. Mix (Name) Olean Petroleum Co (Company) Tool-pusher. (Title)

Subscribed and sworn to before me this 8th day of May, 19 39

Bertha Terry
Notary Public

My Commission expires 12/27/41

I hereby swear or affirm that the information given above is true and correct.

Name A. P. Kemp

Position Vice-President

Representing OLEAN PETROLEUM COMPANY (Company or Operator)

Address Box 777, Bristow, Oklahoma.

Remarks:

Roy Yarbrough (Name)
OIL & GAS INSPECTOR (Title)

30025 10421

Form C-102

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL			
NOTICE OF INTENTION TO DEEPEN WELL		NOTICE OF INTENTION TO PLUG WELL	X

RECEIVED
OCT 16 1941
HOBBS OFFICE

Hobbs, New Mexico, October 16th, 1941
Place Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico

Gentlemen:
Following is a notice of intention to do certain work as described below at the

N. H. Street, et al (Company or Operator) W. B Ferrel (Lease) Well No. 1 in SW/4

of Sec. 22, T. S 22, R. 37 E, N. M. P. M., Penrose Field,

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Fill with mud to 3650; bridge and cement with five sacks of cement
Fill with mud to 2430; bridge and cement with ten sacks of cement
Fill with mud to 1150; bridge and cement with ten sacks of cement
Fill with mud to 275; bridge and cement with ten sacks of cement
Fill with mud to surface and set regulation marker to extend 4 feet above ground.

Approved OCT 17 1941, 19
except as follows:

OIL CONSERVATION COMMISSION,
By Ray Yarbrough
Title

N. H. Street et al
Company or Operator
By N. H. Street
Position Owner & Opr
Send communications regarding well to
Name N. H. Street
Address 1030 Milam Bldg
San Antonio, Texas

30025 10460

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

Form C-103
Revised 1-1-89

WELL API NO.
30-025-10460

5. Indicate Type of Lease STATE X

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
M.W. COLL (FORMERLY LANGLIE MATTIX PENROSE SAND UNIT #18-1)

1. Type of Well: OIL WELL X GAS WELL OTHER

2. Name of Operator
ANADARKO PETROLEUM CORPORATION

8. Well No.
1

3. Address of Operator
PO BOX 2497, MIDLAND TX 79702-2497

9. Pool name or Wildcat
LANGLIE-MATTIX SR ON GRBG

4. Well Location
Unit Letter M : 890 Feet From The SOUTH Line and 330 Feet From The EAST Line

Section 26 Township 22S Range 37E NMPM LEA County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF			
PERFORM REMEDIAL WORK		PLUG AND ABANDON		REMEDIAL WORK		ALTERING CASING	
TEMPORARILY ABANDON		CHANGE PLANS		COMMENCE DRILLING OPNS		PLUG AND ABANDONMENT	X
PULL OR ALTER CASING				CASING TEST AND CEMENT JOB			
OTHER				OTHER			

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

04-08-02 MOVED IN; RIGGED UP P & A EQUIP; NU BOP; RAN WITH TUBING; TAGGED UP @ 3,287'; PUMPED 75 SX CEMENT; DISPLACED TO 2,808'

04-09-02 TAGGED CEMENT @ 2,949'; CIRCULATED HOLE WITH 120 bbls OF MUD; PULLED UP TO 2,470'; PUMPED 25 SX CEMENT; DISPLACED TO 2,311'; PULLED OUT WITH TUBING; PERFORATED @ 1,300'; SET PACKER @ 1,164'; SQUEEZED 25 SX OF CEMENT; DISPLACED TO 1,200'

04-10-02 TAGGED CEMENT @ 1,186'; LAID TOWN TUBING AND PACKER; PERFORATED @ 260'; PUMPED 85 SX CEMENT WITH 2% CaCl; WOC 3 HRS; TESTED TO 500#;GOOD; PUMPED 10 SACKS 60' TO SURFACE; RIGGED DOWN; CUT OFF WELLHEAD; INSTALLED DRY HOLE MARKER.

RECEIVED
Hobbs
OCD

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE R. N. Mueller TITLE Sr Staff Production Engineer DATE 04/17/02

TYPE OR PRINT NAME R. N. Mueller TELEPHONE NO. 915/683-0555

(This space for State Use)

APPROVED BY Gary W. Hill TITLE COMPLIANCE OFFICER DATE JUN 05 2002

CONDITIONS OF APPROVAL, IF ANY:

GWW

30025104 61

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W Grand Ave , Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S St Francis Dr., Santa Fe, NM 87505

RECEIVED
JAN 05 2009
HOBBSOCD

State of New Mexico
Energy, Minerals and Natural Resources

CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO. 30-025-10461
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other WIW

7. Lease Name or Unit Agreement Name
LANGLIE MATTIX PENROSE SAND UNIT

8. Well Number 182

2. Name of Operator LEGACY RESERVES OPERATING LP

9. OGRID Number 240974

3. Address of Operator P.O. BOX 10848, MIDLAND, TX 79702

10. Pool name or Wildcat
LANGLIE-MATTIX SR QN GRBG

4. Well Location
Unit Letter L : 1980 feet from the SOUTH line and 330 feet from the West line.
Section 26 Township 22S Range 37E NMPM LEA County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3322' GR

Pit or Below-grade Tank Application ☐ or Closure ☐
Pit type_____ Depth to Groundwater_____ Distance from nearest fresh water well_____ Distance from nearest surface water_____
Pit Liner Thickness: mil Below-Grade Tank: Volume _____ bbls; Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☒
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
OTHER: ☐		OTHER: ☐	

Approved for plugging of well bore only. Liability under bond is retained pending receipt of C-103 (Subsequent Report of Well Plugging) which may be found at OCD Web Page under

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

12/10/08- MIRU BCM & ASSOC PLUGGING UNIT. NDWHE. NUBOP. RELEASE PKR., POOH & LD 103 JTS. 2 3/8" IPC TBG & PACKER. RIH W/ 25 JTS. SDFN
12/11/08- NDWHE. RIH W/ 104 JTS. TBG. & 7" CIBP AND LEFT HANGING. WAITING ON PUMP. SDFN
12/12/08- SET 7" CIBP @ 3245' CIRCULATE HOLE W/ MUD LADEN FLUID. MIX AND PMP 25 SX CLASS C NEAT CMT @ 3245'. WOC FOR 4 HRS RIH TO TAG PLUG @ 3100'. PUH TO 2457'. MIX AND PUMP 50 SX CLASS C NEAT CMT @ 2457'. POOH ABOVE CMT. SDFN.
12/15/08- RIH W/ TBG TO TAG PLUG @ 2150'. POOH W/ TBG. DIG OUT CELLAR & ND 7" WHE. SDFN
12/16/08- RUWL. RIH TO CUT 7" CSG @ 1235'. RDWL. WORKED CSG FREE, LD 12 JTS RANGE 2 STC 23# 7" CSG. SDFN
12/17/08- POOH & LD REMAINDER OF 7" CSG (41 JTS TOTAL). RIH W/ TBG. TO 1250'. M&P 80 SX CLASS C NEAT CMT. SD. WOC 4 HRS. RIH TO TAG PLUG @ 988'. RUWL TO RIH & PERF. 8 5/8" CSG. @ 440'. RDWL. RIH TO SET PKR @ 100'. SQUEEZE 250 SX CLASS C NEAT CMT. SD WOC OVERNIGHT. SDFN.
12/18/08- RIH TO TAG PLUG. DID NOT TAG. RESQUEEZE W/ 250 SX CLASS C NEAT CMT WOC FOR 4 HRS. RIH TO TAG PLUG @ 48'. SPOT 20 SX CLASS C NEAT CMT. FROM 48' TO SURFACE, RIG DOWN. JOB COMPLETE. INSTALL PXA MARKER, BACKFILL CELLAR AND CLEAN LOCATION.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Kent Williams TITLE: SENIOR PETROLEUM ENGINEER DATE 1/2/09
Type or print name KENT WILLIAMS E-mail address: Telephone No. (432)689-5200

For State Use Only
APPROVED
BY: _____ TITLE PETROLEUM ENGINEER DATE JAN 06 2009
Conditions of Approval (if any):

30025/0463

Submit 1 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO. 30-025-10463

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: Baker "A"

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

8. Well Number 1

2. Name of Operator: John H. Hendrix Corporation

9. OGRID Number 012024

3. Address of Operator: P. O. Box 3040, Midland, TX 79702-3040

10. Pool name or Wildcat: Drinkard

4. Well Location
Unit Letter D : 660 feet from the North line and 660 feet from the West line
Section 26 Township 22S Range 37E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3340' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type Steel Depth to Groundwater 55 Distance from nearest fresh water well 1320 Distance from nearest surface water Unknown

Pit Liner Thickness: mil Below-Grade Tank: Volume bbls; Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1. Perf. 3300' . Set CR at 3200' & squeeze w/ 100 sx.
2. Fill w/ 10# mud laden fluid.
3. Perf. 1250'. Set CR at 1100' & squeeze w/ 100 sx.
4. Fill w/ cement fr. 1100' to surface.
5. Cut well head, install plate and dry hole marker.

THE OIL CONSERVATION DIVISION MUST BE NOTIFIED 24 HOURS PRIOR TO THE BEGINNING OF PLUGGING OPERATIONS.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

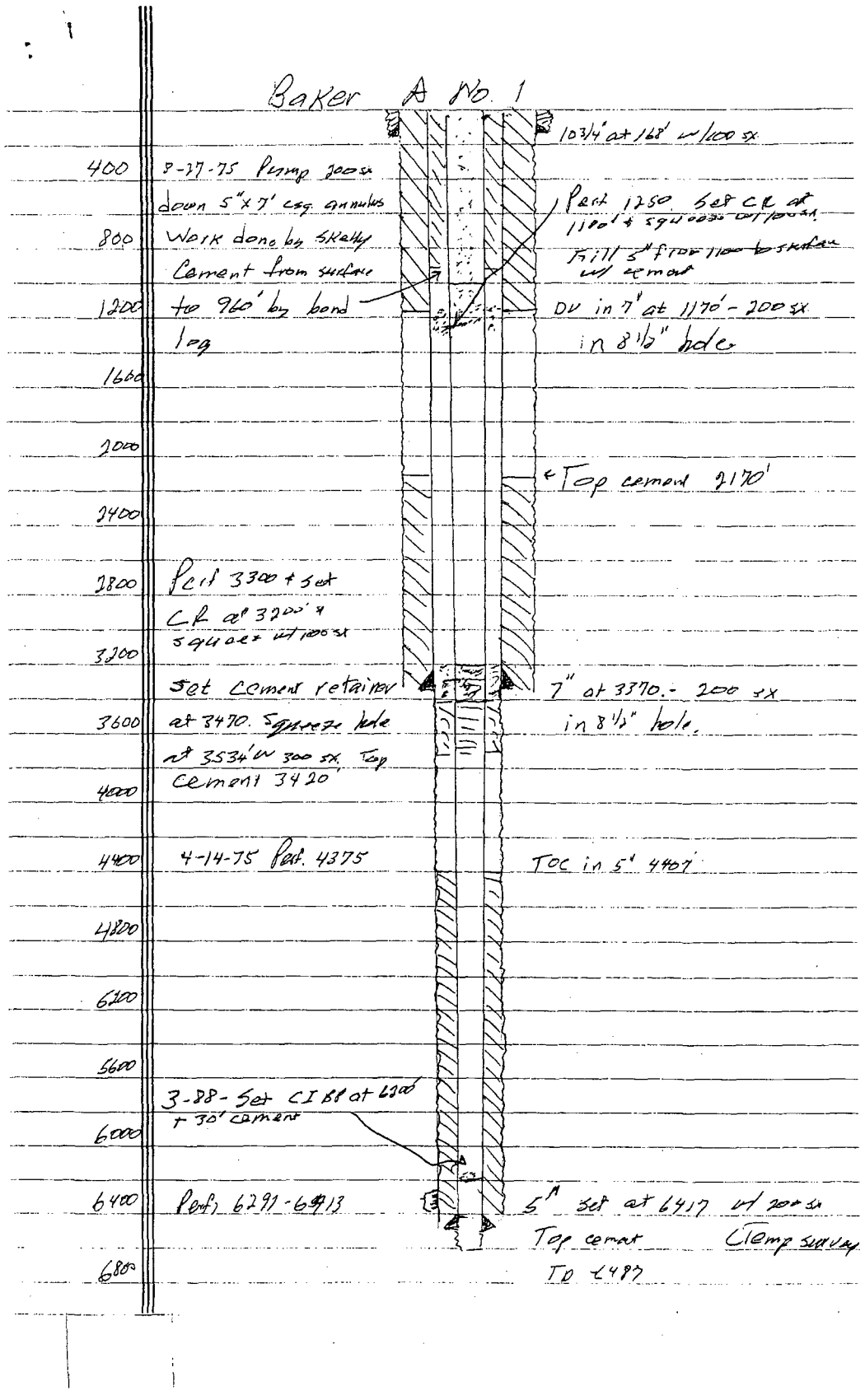
SIGNATURE Ronnie H. Westbrook TITLE Vice President DATE 06/29/2005

Type or print name Ronnie H. Westbrook E-mail address: Telephone No. (432)684-6631

For State Use Only

APPROVED BY: Gary W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE JUL 01 2005

Conditions of Approval (if any):


Baker A No. 1
10 3/4" at 168' w/ 100 sx
400
3-27-75 Pump 200 sx
down 5" x 7" csg. annulus
800
Work done by Skelly
Cement from surface
1200
to 960' by bond
log
1600
2000
2400
2800
Perf 3300 + Set
CR at 3200' +
sq 40 sx w/ 100 sx
3200
Set cement retainer
3600
at 3470. Squeeze hole
at 3534' w 300 sx. Top
cement 3420
4000
4400
4-14-75 Perf. 4375
4800
5200
5600
3-88- Set CI BP at 6300
+ 30' cement
6000
6400
Perfs 6291-6413
6800
Perf 1750 Sqz CR at
1100' + sq 400 sx w/ 100 sx
Fill 5" from 1100 to surface
w/ cement
DV in 7" at 1170' - 200 sx
in 8 1/2" hole
Top cement 2170'
7" at 3370. - 200 sx
in 8 1/2" hole.
Toc in 5" 4407'
5" Set at 6417 w/ 200 sx
Top cement
TD 6487
Clamp survey

30025 10467

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED		
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SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER-

7. Unit Agreement Name

2. Name of Operator
Getty Oil Company

8. Farm or Lease Name
Baker 'A'

3. Address of Operator
P. O. Box 728, Hobbs, New Mexico 88240

9. Well No.
5

4. Location of Well
UNIT LETTER E, 1650 FEET FROM THE North LINE AND 990 FEET FROM THE West LINE, SECTION 26 TOWNSHIP 22-S RANGE 37-E NMPM.

10. Field and Pool, or Wildcat
Undesignated Blinebry Oil &Gas

15. Elevation (Show whether DF, RT, GR, etc.)
3339' (DF)

12. County
Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐			COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☒
PULL OR ALTER CASING	☐	CHANGE PLANS	☐	CASING TEST AND CEMENT JOB	☐		
OTHER	☐			OTHER	☐		

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

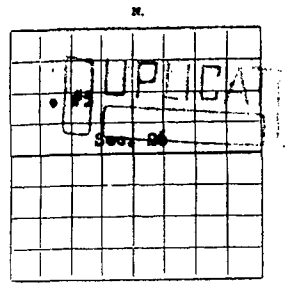
1. Rigged up. Install BOP.
2. Spot 100 sx. cement plug from 4014-3014'.
3. Set CIBP @ 2900' & spot 15 sx cement on top of plug. Plug from 2900-2800'.
4. Spot 100 sx cement plug from 2413-1413'.
5. Spot 100 sx cement plug from 1208-208'.
6. Discovered casing leak. Drill out cement to CIBP @ 2900'. Leak from 2900-2779'.
7. Set cement retainer @ 2749'. Squeezed csg leak from 2900-2779' W/85 sx class 'H' cement containing 2% CaCl.
8. Set CIBP @ 2200'& cement retainer @ 2080'. Squeeze csg void 2153-2187' W/300 sx Class H Neat cement. Spot 20' Cement on top of retainer.
9. Perforate 9 5/8" Csg W/4 JS @ 500'. Cement to surface thru 9 5/8" perfs @ 500' W/380 sx. cement.
10. Set Dry Hole Marker & Clean Location. Well P&A, 1-5-85.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED W. B. [illegible] TITLE Dist. Opr. Mgr. DATE 2-20-85

APPROVED BY R A [illegible] TITLE OIL & GAS INSPECTOR DATE SEP 10 1987

CONDITIONS OF APPROVAL, IF ANY:



AREA 640 ACRES
LOCATE WELL CORRECTLY

(Revised 7/1/52)
(Form C-128)

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

Skelly Oil Company (Company or Operator) Baker "A" (Lease)

Well No. 5, in SW ¼ of NW ¼, of Sec. 26, T. 22S, R. 37E, NMPM.

Drinkard Pool, Lea County.

Well is 1650 feet from North line and 990 feet from West line of Section 26. If State Land the Oil and Gas Lease No. is

Drilling Commenced Jan. 24, 1957 Drilling was Completed Feb. 16, 1957

Name of Drilling Contractor Makin Drilling Company

Address Hobbs, New Mexico

Elevation above sea level at Top of Tubing Head 3337' D.F. The information given is to be kept confidential until Not Confidential, 19

OIL SANDS OR ZONES

No. 1, from 6411 to 6450 No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8"	24 & 32#	New	2700'	Float			Surface
5-1/2"	14 & 15.5#	New	6440'	"			Prod.

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
11"	8-5/8	2700'	1400	Halliburton		
7-7/8"	5-1/2	6440	200	"		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Acidized in two stages with 3000 gallons. Fractured with 5000 gallons.

Result of Production Stimulation Flowed 117.95 bbls. oil in 24 hours thru 3/4" 20/64" & 16/64" chokes.

Depth Cleaned Out

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0' feet to 6450' feet, and from ..... feet to ..... feet.

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet.

PRODUCTION

Put to Producing March 1, 19 57

OIL WELL: The production during the first 24 hours was 121.69 barrels of liquid of which 97 % was was oil; ..... % was emulsion; 3 % water; and ..... % was sediment. A.P.I. Gravity 40.1

GAS WELL: The production during the first 24 hours was ..... M.C.F. plus ..... barrels of liquid Hydrocarbon. Shut in Pressure ..... lbs.

Length of Time Shut in .....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico
T. Anhy. 1124'	T. Devonian	T. Ojo Alamo
T. Salt 1215	T. Silurian	T. Kirtland-Fruitland
B. Salt 2445	T. Montoya	T. Farmington
T. Yates 2583	T. Simpson	T. Pictured Cliffs
T. 7 Rivers 2842	T. McKee	T. Menefee
T. Queen 3387	T. Ellenburger	T. Point Lookout
T. Grayburg 3674	T. Gr. Wash	T. Mancos
T. San Andres 3928	T. Granite	T. Dakota
T. Glorieta 5125	T.	T. Morrison
T. Drinkard 6325	T.	T. Penn
T. Tubbs 6009	T.	T.
T. Abo	T.	T.
T. Penn	T.	T.
T. Miss	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0'	1124'	1124'	Surface & Red Bed				
1124	1215	91	Anhydrite				
1215	2445	1230	Anhy. & Salt				
2445	2583	138	Anhy. & Gyp				
2583	2842	259	Anhy. & Lime				
2842	3387	545	Lime & Shale				
3387	3674	287	Lime, Shale & Sand				
3674	3928	254	Lime & Sand				
3928	5125	1197	Lime				
5125	6009	884	Lime				
6009	6325	316	Lime				
6325	6450	125	Lime - T.D.				

D.S.T. No. 1 - 6379-6440'
5/8" MHC, 1" THC. Tool open 4 hours with good blow of air. Gas surfaced in 1 hour at rate of 3.5 MCF/day and continued as 3/5 MCF throughout test. No fluid to surface. Pulled 3-1/2" OD drill pipe and recovered 180' drilling mud, 540' clean oil, and 360' of mud and gas cut oil estimated 25% mud and 75% oil. No show of water. H.P. in 3010#, out 2985#, IFP 405#, FFP 1245#, 20 minute buildup 1710#.

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Hobbs, New Mexico - March 6, 1957 (Date)

Company or Operator Skelly Oil Company Address Box 38

Name J.M. Dunlavey Position or Title Dist. Supt.

30025 10472

FORM C-101

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL

RECEIVED
MAR 31 1938
HOBBS OFFICE

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

Midland, Texas (Place) March 29, 1938 (Date)

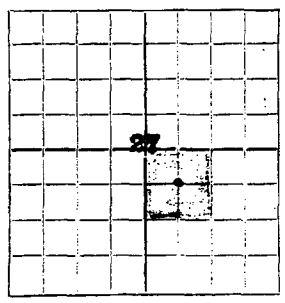
OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.
Gentlemen:

DUPLICATE

You are hereby notified that it is our intention to commence the drilling of a well to be known as Center

Lem Peters (Company or Operator) Laura J. May (Lease) Well No. 1 in NW ¼ of SE¼

of Sec. 27, T. 22 S., R. 37 E., N. M. P.M., Penrose Field, Lea County.



AREA 640 ACRES
LOCATE WELL CORRECTLY

The well is 1980 feet (N.) (S.) of the South line and 1980 feet (E.) (W.) of the East line of Section 27 T. 22 S. R. 37 E.

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. _____, Assignment No. _____

If patented land the owner is Laura J. May

Address 3009 Throckmorton, Dallas, Texas

If government land the permittee is _____

Address _____

The lessee is Lem Peters

Address Midland, Texas

We propose to drill well with drilling equipment as follows: Cable Tools

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: Hartford Accident and Indemnity Co.

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
18"	15½" OD	70 Lbs	Used	150	Cemented	According to
15¼"	13 OD	50 Lbs	Used	230	Landed	N. Mexico
12¼	10 3/4 OD	40.5/10 Lbs.	Used	850	Landed	Laws
10	8.5/8 OD	28 Lbs.	Used	1150	Cemented	
8	7 OD	22 Lbs. Seamless	New	~~3300~~ 3340	Cemented	

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about _____ feet.

Additional information:

Approved MAR 31 1938, 19____
except as follows:

OIL CONSERVATION COMMISSION
By Guy Shepard
Title Oil & Gas Inspector

Sincerely yours,

Lem Peters
(Company or Operator)

By Beverly Chambers Beverly Chambers

Position Secretary

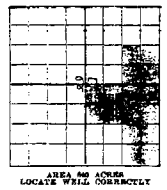
Send communication regarding well to

Name Lem Peters

Address P.O. Box 950 Midland, Texas

FORM C-105

N.



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

RECEIVED
JUN 16 1938
HOBBS OFFICE

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

DUPLICATE

Lem Peters (Company or Operator) P.O. Box 950 (Address) Midland, Texas

Laura J. May #1 (Lease) Well No. 1 in NW¼ of SE¼ of Sec. 27 T. 22S

R. 37E N. M. P. M., Penrose Field, Lea County.

Well is 3300 feet south of the North line and 1980 feet west of the East line of Sec. 27, 22-37

If State land the oil and gas lease is No. Assignment No.

If patented land the owner is Laura J. May Address Dallas, Texas

If Government land the permittee is Address

The Lessee is Lem Peters Address Midland, Texas

Drilling commenced April 4, 1938 Drilling was completed June 8, 1938

Name of drilling contractor Lem Peters Address Midland, Texas

Elevation above sea level at top of casing 3229 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 3537 to 3639 No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 45 to 70 feet 50

No. 2, from 140 to 150 feet 100

No. 3, from 715 to 735 feet 500

No. 4, from to feet

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
15½	60	8		115	Tex. Pat.				
13	50	8		390	" "				
10	40	8		800	" "				
8 5/8	28	10		1145	" "				
7	22	10		3360	" "				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
18	15½	115	100	Pump & Plug		
10	8 5/8	1145	150	" "		
8	7 OD	3360	150	" "		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set

Adapters—Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
4 in.	Tin	Nitro-Glycerine	280qts.	6-1-38	3538-3639	3610

Results of shooting or chemical treatment Well increased from 250 barrels natural to 1000 barrels.

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet

Cable tools were used from 0 feet to 3639 feet, and from feet to feet

PRODUCTION

Put to producing 19

The production of the first 24 hours was barrels of fluid of which 100 % was oil; %

emulsion; % water; and % sediment. Gravity, Be 41

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

T. C. Tsenor Driller J. A. Tiffenyar Driller

R. C. Green Driller E. E. Bucy Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 15th day of June 1938

Notary Public

My Commission expires June 1, 1939

Midland, Texas (Place) June 15, 1938 (Date)

Name Beverly Chandler

Position Secretary

Representing Lem Peters (Company or Operator)

Address Midland, Texas

FORMATION RECORD

FORMATION L. J. May #1

FROM	TO	THICKNESS IN FEET	FORMATION
0	20	20	Caliche
20	45	25	Sand
45	70	25	Red Rock
70	80	10	Sand 4 Bailers of Water
85	90	5	Red Rock
90	100	10	Sandy Lime
100	140	40	Red Rock
140	150	10	Sand
150	180	30	Red Rock
180	195	15	Blue Shale
195	225	30	Sand
225	270	45	Red Rock
270	280	10	Sand
280	490	210	Red Rock
515	535	20	Blue Shale
535	555	20	Red Rock
555	575	20	Blue Shale
575	660	85	Red Rock
660	690	30	Sandy Lime
690	715	25	Red Rock
715	735	20	Sand & Little Water
735	740	15	Sand
740	775	35	Blue Shale
775	800	25	Red Sand
800	850	50	Blue Shale
850	880	30	Red Rock
880	900	20	Sandy Lime
900	910	10	Red Rock
910	925	15	Sandy Shale
925	985	60	Red Rock
985	1000	15	Anhydrite
1000	1005	5	Red Sandy Shale
1005	1115	110	Red Rock
1115	1125	10	Gyp Shells & Red Rock
1125	1225	100	Anhydrite
1225	1250	25	Salt
1250	1270	20	Anhydrite
1270	1280	10	Salt
1280	1285	5	Red Rock
1285	1295	10	Anhydrite
1295	1315	20	Salt & Shells
1315	1340	25	Red Rock
1340	1350	10	Anhydrite
1350	1365	15	Red Rock
1365	1375	10	Anhydrite
1375	1385	10	Red Rock
1385	1460	75	Salt & Anhydrite Shells
1460	1490	30	Anhydrite
1490	1493	3	Red Rock
1493	1580	87	Salt
1580	1605	25	Anhydrite
1605	1665	60	Salt
1665	1675	10	Potash
1675	1680	5	Salt
1680	1725	45	Anhydrite & Potash
1725	1735	10	Potash
1735	1745	10	Red Rock
1745	1765	20	Potash
1765	1780	15	Anhydrite
1780	1795	15	Salt
1795	1800	5	Potash
1800	1805	5	Red Rock
1805	1840	35	Salt
1840	1890	50	Anhydrite & Potash
1890	1925	35	Anhydrite
1925	1930	15	Red Rock
1930	1975	45	Salt
1975	1980	15	Red Rock
1980	1990	10	Salt
1990	2100	20	Anhydrite
2100	2155	55	Salt
2155	2195	40	Salt & Anhydrite
2195	2450	245	Anhydrite & Salt
2450	2455	5	Potash
2455	2550	95	Anhydrite
2550	2635	85	Lime
2635	2700	65	Anhydrite
2700	2715	15	Red Rock & Anhydrite
2715	2735	20	Anhydrite
2735	2740	15	Red Rock
2740	2785	45	Anhydrite
2785	2795	10	Lime
2795	2820	25	Anhydrite
2820	2830	10	Lime
2830	2850	20	Grey Shale
2850	2865	10	Anhydrite
2865	3250	385	Lime
3250	3240	10	Blue Shale
3240	3250	10	Grey Lime
3250	3270	20	Anhydrite
3270	3295	25	Broken Lime
3295	3310	15	Lime
3310	3360	50	Grey Lime
3360	3394	34	Lime
3394	3411	17	White Lime
3411	3485	74	Grey Lime
3485	3493	8	Brown Lime
3493	3563	80	Lime
3563	3571	8	Sand
3571	3588	17	Sand
3588	3624	56	Grey Lime
3624	3629	5	Sandy Lime
3629	3631	2	Bentonite
3631	3634	3	Blue Shale
3634	3637	3	Grey Lime
3637	3639	2	Blue Shale

30025 10472

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OPERATOR		

DUPLICAT

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER-

7. Unit Agreement Name: Langlie Mattix Penrose Sand Unit

2. Name of Operator: Anadarko Production Company

8. Farm or Lease Name: Tract No. 19

3. Address of Operator: P. O. Box 247, Hobbs, New Mexico

9. Well No.: 1

4. Location of Well: UNIT LETTER J, 1980 FEET FROM THE East LINE AND 1980 FEET FROM THE South LINE, SECTION 27 TOWNSHIP 22S RANGE 37 E NMPM.

10. Field and Pool, or Wildcat: Langlie Mattix

15. Elevation *(Show whether DF, RT, GR, etc.)*: 3229' GR

12. County: Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☒
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER ☐	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

1. In an attempt to cement a liner, the cement flash set while squeezing at 1500 psi. The tubing free point was found at 3180'. The hole was plugged with cement to a point 200' up inside of the 7" casing. Pressure tested to 1500 psi without pressure loss in 30 minutes.
2. Rigged up casing pulling unit 7/7/66. Found free point of 7" casing at 1300'. Placed shots at 2000' and 1800' without being able to pull casing. Casing shot loose at 1500'. Pulled 1511' of 7" 22# casing. Left 1849' 7" 22# casing and 422' of 4-1/2" casing from 3254' to 3676'.
3. Ran tubing to 3100', mixed and spotted 75 bbls. mud.
4. Set plug, ran tubing, spotted 40 sacks cement at 1550'.
5. Mixed and spotted 35 bbls mud from 1500' back up to 1100'.
6. Set plug at 1100' in 8-5/8" casing, ran tubing, spotted 25 sacks cement in 8-5/8" casing. Left 1145' 8-5/8" 29# surface casing in hole.
7. Mixed and spotted 60 bbls mud from 1050' to surface. Spotted 10 sacks cement in 8-5/8" casing at surface. Placed 4" hole marker.
8. Cleared and leveled location.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED W. F. Nelson TITLE Project Supervisor DATE 7/28/66

APPROVED BY Leslie A. Clements TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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NEW MEXICO OIL CONSERVATION COMMISSION

O. C. C.
JUN 21 11 45 AM '66

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER-

7. Unit Agreement Name
Langlie Mattix Penrose Sand Unit

2. Name of Operator
Anadarko Production Company

8. Farm or Lease Name
Tract No. 19

3. Address of Operator
P. O. Box 247, Hobbs, New Mexico

9. Well No.
1

4. Location of Well
UNIT LETTER **J**, **1980** FEET FROM THE **East** LINE AND **1980** FEET FROM THE **South** LINE, SECTION **27** TOWNSHIP **22 S** RANGE **37 E** NMPM.

10. Field and Pool, or Wildcat
Langlie Mattix

15. Elevation *(Show whether DF, RT, GR, etc.)*
3229' GR

12. County
Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☒	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER ☐	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

1. **Set a plug and spot 25 sks cmt in 7" casing at 3375'.**
2. **Pull 7" casing from approximately 2000'.**
3. **Set a plug and spot 25 sks cmt in top of 7" stub.**
4. **Set a plug and spot 25 sks. cmt in bottom of 8-5/8" casing set at 1185'.**
5. **Spot 10 sks cmt in top of 8-5/8" casing at surface. Place 4" hole marker.**
6. **Level and clear location.**

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED M. T. Neelam TITLE **Project Supervisor** DATE **6/23/66**

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

30025104795

FORM C-101

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

Hobbs, New Mexico (Place) November 20, 1936 (Date)

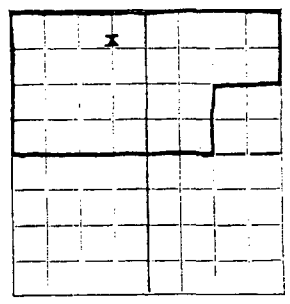
OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico

Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as

Skelly Oil Company (Company or Operator) J. V. Baker (Lease) Well No. 3 in C NE/4 NW/4

of Sec. 27, T. 22, R. 37, N. M. P. M., So. Eunice Field, Lea County.



AREA 640 ACRES
LOCATE WELL CORRECTLY

The well is 660 feet [N.] [S.] of the North line and 1980 feet [E.] [W.] of the West line of Sec. 27-22-37

(Give location from section or other legal subdivision lines. Crossout wrong directions.)

If state land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is J. V. Baker

Address Eunice, New Mexico

If government land the permittee is _____

Address _____

The lessee is Skelly Oil Company

Address Hobbs, New Mexico

We propose to drill well with drilling equipment as follows: National Machine

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: _____

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
17"	15-1/2"	70 #	Second Hand	140'	Cemented	150
15-1/2"	12-1/2"	40 #	New	400'	Landed	
12-1/2"	10"	40 #	New	800'	Landed	
9-1/2"	8-5/8"	28 #	New	1300'	Cemented	350
8-1/4"	7"	24 #	New	3400'	Cemented	250

If changes in the above plan become advisable we will notify you before cementing or lauding casing. We estimate that the first productive oil or gas sand should occur at a depth of about 3600' feet.

Additional information:

The 12-1/2" and 10" casing will be pulled when the 8-5/8" is run and the 8-5/8" will be cemented at 1300'.

Approved _____ 19____
except as follows:

OIL CONSERVATION COMMISSION.
By _____
Title _____

Sincerely yours.

Skelly Oil Company
(Company or Operator)
By _____
Position Dist. Superintendent
Send communication regarding well to
Name Skelly Oil Company
Address Hobbs, New Mexico

FORM C-104

FORMATION RECORD

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

DUPLICATE

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Skelly Oil Company — Company or Operator — Hobbs, New Mexico — Address

J. V. Baker — Lease — Well No. 1 in C NW/4 of Sec. 27, T. 22S

R. 37, N. M. P. M., South Eunice Field, Lea County.

Well is 660 feet south of the North line and 1980 feet ~~west~~ East of the ~~West~~ line of Section 27

If State land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is J. V. Baker Address Eunice, New Mexico

If Government land the permittee is _____ Address _____

The Lessee is Skelly Oil Company Address Box 1650, Tulsa, Okla.

Drilling commenced November 30 1936 Drilling was completed January 10 1937

Name of drilling contractor Davidson Drilling Company Address Fort Worth, Texas

Elevation above sea level at top of casing 3541? DF feet.

The information given is to be kept confidential until _____ 19____

OIL SANDS OR ZONES

No. 1, from _____ to _____ No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet _____

No. 2, from _____ to _____ feet _____

No. 3, from _____ to _____ feet _____

No. 4, from _____ to _____ feet _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
8 8-5/8"	36#	8	NKM	1671	TP				
7" OD	24#	10	SS	3426'	TP	Note: this is a two stage job.			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
11"	8-5/8"	167'	100	Halliburton		
8-1/4"	7"	3426'	400	Halliburton - Two stage job w/ 200 sacks thru tool set at 1227' and 200 sacks on bottom.		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____

Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
4"	Tin	S.N.G.	200 qts	1/11/37	3516-3600'	TD

Results of shooting or chemical treatment Well bridged, went in w/ tools and cleaned out to TD, ran 2" tubing to 3582' w/ perforation set at 3562'. Well flowed 160 bbls in 12 hr test thru 20/64" , GP 400# and TP 60 #.

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0 feet to 3426 feet, and from _____ feet to _____ feet

Cable tools were used from 3426 feet to 3600 feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing January 16, 19 37

The production of the first 12 hours was 160 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Henry R. Blair, Driller R. T. Harrod, Driller

J. A. Stein, Driller _____, Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 13 day of February, 19 37

Notary Public.

My Commission expires December 10, 1940

Hobbs, New Mexico (Place) February 1, 1937 (Date)

Name J. A. Stein

Position District Superintendent

Representing Skelly Oil Company (Company or Operator)

Address Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	25	25	Caliche and Sand
25	90	65	Sand
90	103	13	Red Bed
103	157	54	Sand and Shells
157	167	10	Red Bed
167	342	175	Shale and Sand
[illegible]	[illegible]	210	Shale
552	650	98	Red Rock
650	885	235	Red Rock and Sand
885	975	92	Red sand And Shale
975	1052	77	Red Rock and Shale
1052	1230	17 8	Anhydrite
1230	1669	439	Salt and anhydrite
1669	1796	127	Salt
1796	2072	276	Salt and Potash
2072	2172	100	Salt, Anhydrite, and Potash
2172	2192	20	Salt
2192	2466	274	Salt and anhydrite
2466	2617	151	Anhydrite
2617	2638	21	Anhydrite and GYP
2638	2660	22	Anhydrite
2660	2702	42	Anhydrite and GYP
2702	2850	148	Anhyarite
2850	2926	76	Anhydrite and Lime
2926	2952	26	Grey Lime
2952	2973	21	Brown Lime
2973	3116	143	Grey Lime
3116	3491	375	Lime
3491	3516	25	Grey Lime
3516	3525	9	Brown Lime
3525	3540	15	Grey Lime
3540	3556	16	Brown Sandy Lime
3556	3572	16	Grey Sandy Lime
3572	3590	18	Brown Lime
3590	3600	10	Grey Lime
	3600'		TD

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OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER-

7. Unit Agreement Name
Langlie Mattix Penrose Sand Unit

2. Name of Operator
Anadarko Production Company

8. Farm or Lease Name
Tract No. 13 C

3. Address of Operator
Box 247 Hobbs, New Mexico 88240

9. Well No.
3

4. Location of Well
UNIT LETTER C, 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE, SECTION 27 TOWNSHIP 22S RANGE 37E NMPM.

10. Field and Pool, or Wildcat
Langlie Mattix

15. Elevation *(Show whether DF, RT, GR, etc.)*
3341' GR

12. County
Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER Change in status from temporarily abandoned to plugged and abandoned	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

1. Status of well changed from temporarily abandoned to plugged and abandoned.
2. 7" casing filled with 10# mud from the top of cement at 1900' to surface.
3. 4" P&A marker placed in 7" casing in a cement plug at the surface.
4. All pits filled, location leveled and cleaned.
5. Well plugged and abandoned.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED W F Nelson TITLE Dist. Superintendent DATE 8-17-71

APPROVED BY Nathan E. Clegg TITLE OIL & GAS INSPECTOR DATE DEC 1 1971

CONDITIONS OF APPROVAL, IF ANY:

30025104E1

FORM C-101

NEW MEXI OIL CONSERVATION COMMISSI T

Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

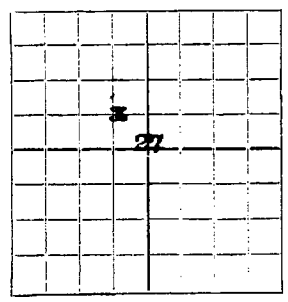
Hobbs, New Mexico (Place) July 20, 1937 (Date)

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.
Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as

Skelly Oil Company (Company or Operator) J. V. Baker (Lease) Well No. 5 in CSE NW

of Sec. 27, T. 22, R. 37, N. M. P.M., Penrose Area Field, Lea County.



AREA 640 ACRES
LOCATE WELL CORRECTLY

The well is 1980 feet (N.) (~~S~~.) of the South line and 1980 feet (E.) (~~W~~.) of the West line of Section 27

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. _____, Assignment No. _____

If patented land the owner is J. V. Baker

Address Eunice, New Mexico

If government land the permittee is _____

Address _____

The lessee is Skelly Oil Company

Address Tulsa, Oklahoma

We propose to drill well with drilling equipment as follows:

Rotary to approximately 3400 and to total depth with cable tools.

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: _____

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
10-1/2"	9-5/8"	36#	New	1100'	Cemented	300 circulated into cellar.
8-3/4"	7"	22#	New	3400'	Cemented	300

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 3550 feet.

Additional information:

DUPLICATE

RECEIVED JUL 22 1937

Approved JUL 22 1937, 19____
except as follows:

Sincerely yours,

Skelly Oil Company (Company or Operator)

By J. V. Dunlavey

Position District Superintendent

Send communication regarding well to

Name Skelly Oil Company

Address Drawer D, Hobbs, New Mexico

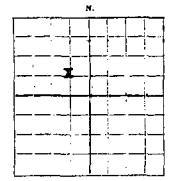
OIL CONSERVATION COMMISSION,
By Guy Shepard
Title Oil & Gas Inspector

FORM C-105

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD



AREA 640 ACRES
LOCATE WELL CORRECTLY

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

Skelly Oil Company (Company or Operator) Tulsa, Oklahoma (Address)

J. V. Baker (Lease) Well No. 5 in CSE NW of Sec. 27 T. 22

R. 37 N. M. P. M. Penrose Area Field, Lea County.

Well is 1980 feet south of the North line and 3300 feet west of the East line of Section 27.

If State land the oil and gas lease is No. Assignment No.

If patented land the owner is J. V. Baker Address Eunice, New Mexico

If Government land the permittee is Address

The Lessee is Skelly Oil Co. Address Tulsa, Oklahoma

Drilling commenced July 26, 1937 Drilling was completed August 31, 1937

Name of drilling contractor Davidson Drilling Co. Address Ft. Worth, Texas

Elevation above sea level at top of casing 3336 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 3538' to 3547' No. 4, from 3609' to 3618'

No. 2, from 3560' to 3570' No. 5, from to

No. 3, from 3575' to 3585' No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & PULLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
9-5/8"	36#	8	LW	1123'10"					
7"	20#	8	EW	3426' 7"					
Tubing 2"	4.7	10	SS	3841' 0"					

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
11"	9-5/8"	1117'	250	Halliburton (Circulated back to cellar)		
8-1/2"	7"	3399'	200	Halliburton		
Tubing	2"	3616'		Swung		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set

Adapters—Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
	3-1/2"	S. N. G.	340 qts	9/1/37	3620'-3524'	3620'

Results of shooting or chemical treatment Flowed 120 bbls in 24 hours thru 2" tubing.

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from TOP feet to 3400' feet, and from feet to feet

Cable tools were used from 3400' feet to 3620' feet, and from feet to feet

PRODUCTION

Put to producing September 13, 1937

The production of the first 24 hours was 120 barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. Gravity, Be. 40.2 (Corrected)

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

J. A. Stein Driller Ace Marshall Driller

R. T. Harrod Driller Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

RECEIVED SEP 27 1937

Subscribed and sworn to before me this 24 day of September, 1937

Notary Public

My Commission expires Dec. 10, 1940

Hobbs, New Mexico (Place) September 22, 1937 (Date)

Name P. T. Gossler

Position District Superintendent

Representing Skelly Oil Company (Company or Operator)

Address Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
Top	40	40	Caleshi
40	123	83	Sand
123	175	52	Hard Sand & Red Rock
175	228	53	Red Bed
228	339	111	Sand & Red Rock
339	552	213	Red Shale & Red Bed
552	750	198	Shale & Red Rock
750	831	81	Red Rock & Red Bed
831	947	116	Red Rock, Shale & Red Bed
947	1100	153	R ed Rock
1100	1255	125	Anhydrite
1255	1280	25	Red Rock
1280	1378	98	Salt
1378	1505	127	Salt & Anhydrite
1505	1594	89	Anhydrite, Salt & Potash
1594	1698	104	Anhydrite & Salt
1698	1830	132	Salt & Potash
1830	1900	70	Anhydrite & Potash
1900	2114	214	Salt & Anhydrite
2114	2277	163	Salt
2277	2347	70	Salt & Anhydrite
2347	2462	115	Salt
2462	2816	354	Anhydrite
2816	3490	674	Lime
3490	3525	35	White Lime
3525	3538	13	Hard Sandy Lime
3538	3547	9	Soft Sandy Lime
3547	3575	28	Hard Broken Lime
3575	3585	10	Soft Lime
3585	3609	24	Hard Lime
3609	3618	9	Soft Lime
3618	3620	2	Hard Lime

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-103
Revised 1-1-89

WELL API NO.
30-025-10481

5. Indicate Type of Lease STATE ☐ FEE [X]

6. State Oil & Gas Lease No.
N/A

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Langlie Mattix Penrose Sand Unit Tract 13C

1. Type of Well: OIL WELL ☐ GAS WELL ☐ OTHER Water Injection Well

8. Well No.
5

2. Name of Operator
Anadarko Petroleum Corporation 000817

9. Pool name or Wildcat 37240
Langlie Mattix 7 Rvs Qn GB

3. Address of Operator
PO Box 37, Loco Hills, NM 88255

4. Well Location
Unit Letter F : 1980 Feet From The North Line and 1980 Feet From The West Line

Section 27 Township 22S Range 37E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3336' DF

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER:	☐			OTHER:	☐		

12. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

Ran injection profile per agreement w/ NMOCD.
See attached Survey.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Bill Winker TITLE Field Foreman DATE 09-02-97

Bill Winker
TYPE OR PRINT NAME

505/677-2411
TELEPHONE NO.

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY CHRIS WILLIAMS DISTRICT I SUPERVISOR TITLE _____ DATE OCT 10 1997

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☐ GAS WELL ☐ OTHER- Water Injection Well

7. Unit Agreement Name Penrose Langlie Mattix Sand Unit

2. Name of Operator
Anadarko Production Company

8. Farm or Lease Name
Tract 13C

3. Address of Operator
P.O. Box 806 Eunice, New Mexico 88231

9. Well No.
5

4. Location of Well
UNIT LETTER F , 1980 FEET FROM THE North LINE AND 1980 FEET FROM

10. Field and Pool, or Wildcat
Langlie Mattix

THE West LINE, SECTION 27 TOWNSHIP 22S RANGE 37E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
3336' GF

12. County
Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☒	ALTERING CASING	☐
TEMPORARILY ABANDON	☐			COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	CHANGE PLANS	☐	CASING TEST AND CEMENT JOB	☐		
OTHER	☐			OTHER	☐		

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. RUPU and Reverse Circulation Unit 7-22-83. Pulled tbg & pkr.
2. TIH w/bit, DC & 2-7/8" tbg.
3. Cleaned out to TD of 3620'.
4. TOH w/bit, DC & 2-7/8" tbg. TIH w/injection string & pkr. RDPU.
5. Acidized w/2500 gals 15% NE acid w/500# salt block.
6. WO injection string 7-26-83.
7. Placed back on injection 9-27-83.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED [signature] TITLE Field Foreman DATE Oct. 5, 1983

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO. 30-025-10481

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: Langlie Mattix Penrose Sand Unit

1. Type of Well: Oil Well ☐ Gas Well ☒ Other WIW

8. Well Number: 135

2. Name of Operator: Moriah Resources Inc.

9. OGRID Number: 224376

3. Address of Operator: P.O. Box 5562, Midland, TX 79704

10. Pool name or Wildcat: Langlie Mattix 7RVS-QN-GB

4. Well Location
Unit Letter F : 1980 feet from the North line and 1980 feet from the West line
Section 27 Township 22S Range 37E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3336' DF

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type_____ Depth to Groundwater_____ Distance from nearest fresh water well_____ Distance from nearest surface water_____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Proposed Start Date 6-15-06

See Attached Proposed Work

MAY [illegible] Received Hobbs OCD

THE OIL CONSERVATION DIVISION MUST BE NOTIFIED 24 HOURS PRIOR TO THE BEGINNING OF PLUGGING OPERATIONS.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE Danny M. Brock TITLE Production Superintendent DATE 5-10-06

Type or print name Danny M. Brock E-mail address: dbrock@legacylp.com Telephone No. 432-682-2516

For State Use Only

APPROVED BY: Gary W. Wink TITLE [illegible] DATE MAY 15 2006

Conditions of Approval (if any):

OC FIELD REPRESENTATIVE II/STAFF MANAGER

P&A Procedure

Lease & Well #: LMPSU Well No. 135

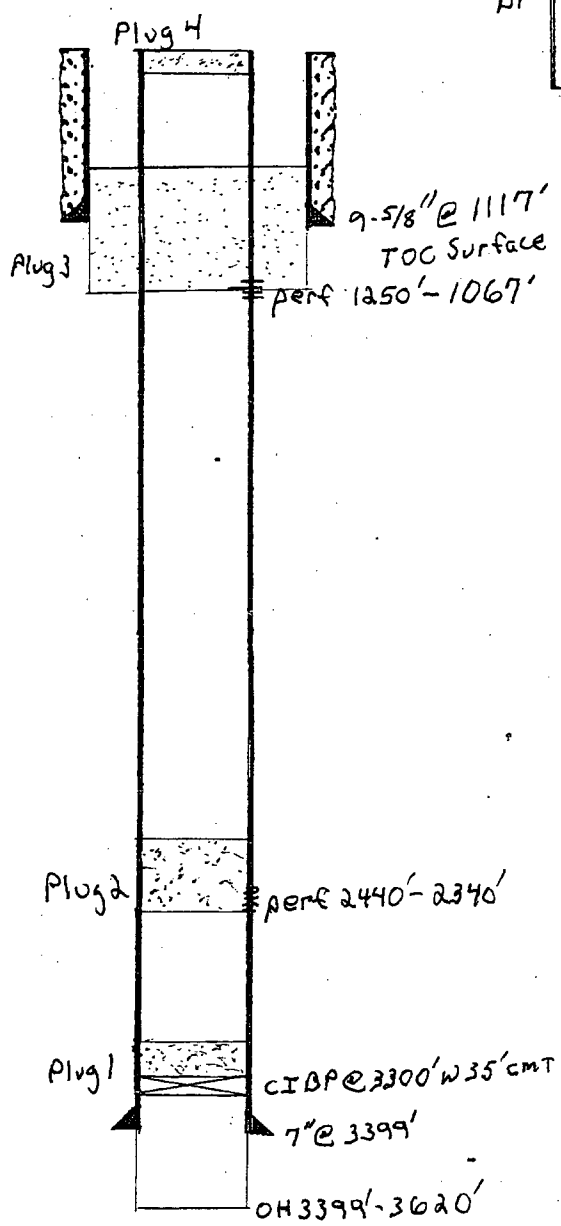
1. Call Hobbs NMOCD 48 hrs. before commencing plugging operations @ 505-393-6161.
2. MIRUPU. Install BOP. POOH W/2-3/8" tbg and Baker AD-1 Packer.
3. RIH W/7" CIBP and set @ 3300'. Spot 35' of cement on top of plug. PU and circulate hole W/plugging mud. TIH and tag cmt plug. TOH.
4. Perforate 4 squeeze holes at 2440'. Attempt to break circulation. If circulation, pump 100' cement plug on inside and outside of 7" casing 2440' – 2340'.
5. If no circulation, TIH and spot 100' plug from 2440' – 2340'. TOH 10 stands.
6. TIH and tag cmt plug. Record depth. Insure hole is full of plugging mud. TOH.
7. Perforate 4 squeeze holes at 1250'. Attempt to break circulation. If circulation, pump 183' cement plug on inside and outside of 7" casing from 1250' – 1067'.
8. If no circulation. TIH and spot 183' cmt plug from 1250' – 1067'. TOH 10 stands.
9. TIH and tag cmt plug. Record depth. Insure hole is full of plugging mud. TOH.
10. Install 10 sack surface plug.
11. Cut off wellhead and weld on P&A marker per NMOCD regulations.

→ SPOT 100' FRESH WATER PLUG F/400'-300'

WELLBORE SKETCH AND WELL HISTORY

ELEV.: KB _____", _____' ABOVE 3336' DF

LEASE & WELL NAME: LMPSU No. 135
FIELD: LMPSU COUNTY: Lea ST.: NM
LOCATION: Unit letter F, 1980' FNL & 1980' FWL, Sec. 27, TWN 22S, RG 37E
DATE: _____ BY: _____ REV.: _____ BY: _____



CASING RECORD

SURFACE CASING

O.D.	WT/FT	GRADE	SET AT
9-5/8"	36	N80	1117'

PRODUCTION CASING

7"	22	N80	3399'

TUBING

NO. JTS.	O.D.	THD.	TYPE	WT.	GDE.	SET AT

WELL HISTORY:

istrict I
5 N. French Dr., Hobbs, NM 88240
istrict II
1 W. Grand Avenue, Artesia, NM 88210
istrict III
0 Rio Brazos Road, Aztec, NM 87410
istrict IV
20 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-104A
March 19, 2001

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator

Previous Operator Information:		New Operator Information:	
		Effective Date:	January 15, 2003
OGRID:	817	New Ogrid:	215758
Name:	Anadarko Petroleum Corporation	New Name:	Pecos Production Company
Address:	P.O. Box 1330	Address:	400 West Illinois
Address:		Address:	Suite 1070
City, State, Zip:	Houston, TX 77251	City, State, Zip:	Midland, TX 79701

hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this orm and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator Signature: Steven D Gray

Printed name: Steven D. Gray

Title: President

Date: January 15, 2003 Phone: 915-620-8480

revious operator complete below:

Previous Operator: Anadarko Petroleum Corporation

Previous OGRID: 817

Signature:

Printed Name: Joseph F. Carroll

NMOCD Approval

Signature:

Printed Name: PAUL F KAUTZ

District: PETROLEUM ENGINEER

Date: MAR 13 2003

WELLS INVOLVED IN OPERATOR CHANGE
FINAL LIST WITH C-104A

This is a final list of wells being transferred. If all bonding requirements are satisfied, submit this list to the OCD District with your C-104A.

PREVIOUS OPERATOR: 817 ANADARKO PETROLEUM CORP NEW OPERATOR: _____ _____

OCD DISTRICT: HOBBS

PROPERTY	WELL NAME	ULSTR	OCD UNIT LTR	API	WELL TYPE	POOL ID	POOL NAME	LAST PROD/INJ
32078								
~~128~~	LANGLIE MATTIX PENROSE SAND UNIT #002	P-27-22S-37E	P	30-025-10473	I	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #002	K-27-22S-37E	K	30-025-10477	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #002	D-27-22S-37E	D	30-025-10478	I	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #003	I-27-22S-37E	I	30-025-10474	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #004	H-27-22S-37E	H	30-025-10475	I	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #004	E-27-22S-37E	E	30-025-10480	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #005	F-27-22S-37E	F	30-025-10481	I	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	10-2001
	LANGLIE MATTIX PENROSE SAND UNIT #006	G-27-22S-37E	G	30-025-10482	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #007	B-27-22S-37E	B	30-025-10483	I	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	10-2002
	LANGLIE MATTIX PENROSE SAND UNIT #008	A-27-22S-37E	A	30-025-10484	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #009	C-27-22S-37E	C	30-025-23772	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #010	B-27-22S-37E	B	30-025-28108	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #011	A-27-22S-37E	A	30-025-28088	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #012	C-27-22S-37E	C	30-025-28460	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #013	C-27-22S-37E	C	30-025-31660	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #001	P-28-22S-37E	P	30-025-10488	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #001	I-28-22S-37E	I	30-025-10495	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #001	A-28-22S-37E	A	30-025-10498	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #001	D-28-22S-37E	D	30-025-10501	I	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #002	K-28-22S-37E	K	30-025-10490	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #002	O-28-22S-37E	O	30-025-10496	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #002	H-28-22S-37E	H	30-025-10499	I	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	04-2001
	LANGLIE MATTIX PENROSE SAND UNIT #002	C-28-22S-37E	C	30-025-23580	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #002	G-28-22S-37E	G	30-025-23617	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #003	F-28-22S-37E	F	30-025-10491	I	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #003	J-28-22S-37E	J	30-025-10497	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #005	M-28-22S-37E	M	30-025-10493	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	10-2001
	LANGLIE MATTIX PENROSE SAND UNIT #006	E-28-22S-37E	E	30-025-10494	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
I								
	LANGLIE MATTIX PENROSE SAND UNIT #001	I-29-22S-37E	I	30-025-10518	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #002	O-29-22S-37E	O	30-025-10505	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #003	A-29-22S-37E	A	30-025-10504	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #001	A-32-22S-37E	A	30-025-10548	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #001	F-33-22S-37E	F	30-025-10552	I	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #001	A-33-22S-37E	A	30-025-10556	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002
	LANGLIE MATTIX PENROSE SAND UNIT #001	G-33-22S-37E	G	30-025-10558	O	37240	LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	11-2002

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-104A
March 19, 2001

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator

Previous Operator Information:		New Operator Information:	
		Effective Date:	**October 1, 2003**
OGRID:	**215758**	New Ogrid:	**224376**
Name:	**Pecos Production Company**	New Name:	**Moriah Resources, Inc.**
Address:	**400 W. Illinois, Suite 1070**	Address:	**303 W. Wall, Suite 1500**
Address:		Address:	
City, State, Zip:	**Midland, TX 79701**	City, State, Zip:	**Midland, TX 79701**

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator Signature: Cary D Brown

Printed name: **Cary D. Brown**

Title: **Executive VP & Treasurer**

Date: 10-31-03 Phone: (432) 682-0292

NOV 2003 RECEIVED Hobbs OCD

Previous operator complete below:

Previous Operator: Pecos Production Company

Previous OGRID: 215758

Signature: Steven D Gray

Printed Name: Steven D. Gray

NMOCD Approval

Signature: Paul F Kautz

Printed Name: Paul F Kautz

District: PETROLEUM ENGINEER

Date: NOV 21 2003

This form applies for the Langlie Mattix Penrose Sand Unit
Metex Supply A #1, 2, & 4
M.W. Coll #3 & 4

3002510485

Submit 3 Copies to Appropriate District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
3002510485

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
J.V. Baker

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator
Texaco Producing Inc

8. Well No.
10

3. Address of Operator
P.O. Box 730 Hobbs, New Mexico 88240

9. Pool name or Wildcat
Blinebry Oil & Gas

4. Well Location
Unit Letter A : 660 Feet From The North Line and 330 Feet From The East Line

Section 27 Township 22S Range 37E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3330' DF

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☒
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER:	☐			OTHER:	☐		

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

(See report on back)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE L.W. Johnson TITLE Engr. Asst. DATE 1/28/91

TYPE OR PRINT NAME L.W. Johnson TELEPHONE NO. (505) 397-0426

(This space for State Use)

APPROVED BY R A Gallen TITLE C... DATE ...

CONDITIONS OF APPROVAL, IF ANY:

I

BLISS PETROLEUM CORPORATION

(505) 393-7320 * P.O.BOX 1817 * Hobbs, N.M. 88241

Daily Workover Report

Company: Texaco USA Well Name: J.V. Baker No. 10

Supervisor: L. White

Date	Description
12-12-90	MIRU Cobra WS unit No.5. MIRU Bliss P&A equip.. Advised Mr. R.A. Sadler w/ NMOCC that we were moving onto the above mentioned well. Held 15 min. safety meeting. ND WH. POOH w/ 1 - polished rod, 1- 4' pony rod, 1-6' pony rod, 56- 7/8" rods, 136- 3/4" rods, BHP & GA. NU BOP. CI BOP. SDFN EDC = $954 ECC = $954
12-13-90	POOH w/ 151 jts. 2-3/8" tbg., SN, perf. sub & MA (total footage 4890'). Cut 55 to 60 degree angle in MA jt. to swedge out csg.. RIH w/ 152 jts. & worked thru tight spot @ 4921'. PU & RIH w/ 20 more jts. (total of 172 jts. tbg. in hole). Load hole w/ MLF. Mixed & spotted 35 sx. cmt. from 5550'- 5205' & displ. w/ 20 BMLF. POOH & std. back 12 jts. & cleared tbg.. POOH w/ 38 more jts. (total of 50 jts. out of hole). Bot. @ 3942'. CI BOP & SDFN. EDC = $2,623 ECC = $3,577
12-14-90	RIH w/ 50 jts. tbg. & tagged cmt. plug @ 5540'. Mixed & spotted 25 sx. cmt. & displ. dwn. tbg. w/ 20 BMLF. Plug from 5540' to 5250'. POOH & std. back 20 jts.. Bot. @ 4985'. Mixed & spotted 25 sx cmt. & disp w/ 18 BMLF. Plug from 4985'- 4695'. POOH & std. back 86 jts. tbg.. Removed BOP & WH. Cut 5-1/2" internal cut (csg. fell 10"). Removed slips & WH packing. Latch onto 5-1/2" w/ ctr. spear. RU WL truck & RIH w/ freepoint indicator. Showed 5-1/2" csg. 100% free @ 2289'. CI BOP & SDFN EDC = $5,039 ECC = $8,616
12-15-90	Run freepoint stretch w/ ctr. spear from 45 pts. to 85 pts.. Calc. freepoint @ 2786' RU WL & run freepoint ind.. Found pipe 100% free @ 2660'. RIH w/ backoff tools & backoff 5-1/2" csg. @ 2660'. Cplg. looking up. POOH w/ 22 jts. 5-1/2" csg.. Csg. tongs broke dwn.. (Est 880' csg. out of hole). CI BOP & SDFN EDC = $1,135 ECC = $9,751
12-16-90	SD Sunday
12-17-90	SD Repair tongs
12-18-90	POOH & laid dwn. 42 jts. 5-1/2" csg.. RIH w/ 86 jts. 2-3/8" tbg. to 2766'. Inside 5-1/2" 106'. Circ. hole w/ 25 BMLF. Mixed 35 sx. cmt. & spotted dwn. tbg. w/ 10 BMLF from 2766'- 2500'. POOH w/ 10 jts. tbg. & pump dwn. to clear tbg.. POOH w/ 40 jts. tbg.. WOC 4 hours. RIH w/ tbg. & tagged cmt. @ 2610'. Actual plug from 2766'-2610'. POOH & laid dwn. 47 jts. tbg.. Left 39 jts. in well w/ bot. @ 1265'. SDFN EDC = $1,749 ECC = $11,500
12-19-90	Broke circ. w/ mud. Mixed 30 sx. cmt. & displ. dwn. tbg. w/ 4.5 BMLF Cmt. plug from 1265'- 1159'. POOH & laid dwn. 38 jts. tbg.. Left 1 j in BOP. Mixed 10 sx. cmt. & spotted from 31' to surface. Flushed & cleaned BOP & lines. RDMO WS unit. RD Bliss P&A equip.. Cut off WH & anchors. Installed dry hole marker.

3002510486

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

Form C-103
Revised 1-1-89

WELL API NO. 3002510486
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No. 03722

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: J.V. Baker

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER
2. Name of Operator: Yarbrough Oil L.P.
8. Well No. 11
3. Address of Operator: Box 1769 Eunice, NM 88231
9. Pool name or Wildcat: Blineberry
4. Well Location: Unit Letter E : 660 Feet From The North Line and 1650 Feet From The East Line
Section 27 Township 22 Range 37 NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☒
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER:	☐			OTHER:			☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103. October 20 & 21, 2000

1. Rigged up unit
2. Ran scraper and bit to 2905'
3. Ran packer to 2905', tested to 500#
4. Ran CIP to 2905', tested to 500# for 30 min.
5. Halliburton pumped 260 sacks class c cement and circulated hole from 2905' to surface
6. Rigged down unit
7. Set 4" dry hole marker, cut off dead men
8. Cleaned up location

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Paul Prather TITLE Partner DATE 10-21-00

TYPE OR PRINT NAME Paul Prather TELEPHONE NO. 505-394-2545

(This space for State Use)

APPROVED BY ____ TITLE ____ DATE JAN 09 2002

CONDITIONS OF APPROVAL, IF ANY:

JCS GWW

BBB
BD

30025104 87

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-103
Revised 1-1-89

WELL API NO. 30-025-10487

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: Langlie Mattix Penrose Sand Unit Tract 28

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator: Anadarko Petroleum Corporation

8. Well No. 1

3. Address of Operator: P.O. Box 806 Eunice, NM 88231

9. Pool name or Wildcat: Langlie Mattix

4. Well Location
Unit Letter N : 330 Feet From The South Line and 2310 Feet From The West Line

Section 28 Township 22S Range 37E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☒
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER	☐			OTHER:	☐		

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. 5-16-94 MIRUPU, TIH w/ tbg & tag @ 3595'.
2. Pump 100 SX cement w/ 2% CaCL @ 3595'. Wait 4 hrs & tag plug @ 3452'. Pump 25 SX cement @ 3452'.
3. 5-17-94 Tag plug @ 3360'.
4. Pull 1000' 4½" liner w/ PKR. Perforate 2, ½" squeeze holes @ 180'.
5. 5-18-94 Pump 25 SX cement 2843-2694, pump 25 SX cement 1135-987'. Pump 23 SX cement into squeeze holes @ 180', obtain 500 PSI squeeze pressure. Pump 43 SX cement inside 7" @ 180' - surface.
6. Install P & A marker, RDPU & clean location. (all anchors have been cut off below ground level).

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Rick L Langley TITLE Field Foreman DATE 5-20-94

TYPE OR PRINT NAME Rick L. Langley TELEPHONE NO. 394-3184

(This space for State Use)

APPROVED BY Charles Gholson TITLE OIL & GAS INSPECTOR DATE JUN 28 1994

CONDITIONS OF APPROVAL, IF ANY:

30025 10489

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

Form C-103
Revised 1-1-89

WELL API NO.
30-025-10489

5. Indicate Type of Lease STATE X

6. State Oil & Gas Lease No.
1C-058626-A

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
LANGLIE-MATTIX PENROSE SAND UNIT TRACT 27

1. Type of Well: OIL X GAS OTHER

2. Name of Operator
ANADARKO PETROLEUM COMPANY

8. Well No.
1

3. Address of Operator
PO BOX 2497, MIDLAND, TX 79702-2497

9. Pool name or Wildcat
LANGLIE-MATTIX SR ON GRBG

4. Well Location
Unit Letter C 330 Feet From The NORTH Line and 2310 Feet From The WEST Line

Section 28 Township 22S Range 37F NMPM LEA

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
NA

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF	
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT X
PULL OR ALTER CASING		CASING TEST AND CEMENT JOB	
OTHER		OTHER	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

03-22-02 MOVED IN; RIGGED UP P & A EQUIPMENT; RAN IN HOLE; GOT STUCK @ 1,490'; WORKED FREE; PULLED OUT
03-25-02 RAN IN HOLE OPEN-ENDED TO 1,960';UNABLE TO WORK THRU; PULLED OUT WITH TUBING
03-26-02 RAN IN WITH 6 1/2" BIT TO 1,930'; CLEANED OUT TO 1,980' WELL SLOUGHING IN; PLUGGED OFF TUBING; PULLED OUT WITH BIT
03-27-02 RAN IN WITH 7" PACKER; TESTED CASING; FOUND GOOD CASING FROM 300' UP AND BAD 300' DOWN; SET PACKER @ 104'; PUMPED 160 SX CEMENT DOWN TUBING; DISPLACED TO 300'; PUMPED 40 SX CEMENT DOWN 7x15 1/2" ANNULUS; CIRCULATED CEMENT TO SURFACE ON OUTSIDE OF 15 1/2"; WOC
03-28-02 PUMPED 30 bbls DOWN TUBING 3 BPM @ 200#; TAGGED CEMENT AT 495'; MIXED AND PUMPED 25 SX OF MAXI-SEAL; PUMPED 150 SX OF CEMENT DOWN 7 X 15 1/2" ANNULUS; DISPLACED WITH 2 bbls; PUMPED IN PRESSURE TO 200#; SIP=0 ON TUBING AND 7 X 15 1/2 ANNULUS
04-01-02 PUMPED 30 bbls DOWN TUBING; 2 BPM @ 200#; TESTED 7 X 15 1/2" TO 500#; BLED DOWN; PUMPED 150 SX CEMENT; DISPLACED TO 300'; WOC
04-02-02 TESTED 7" CASING TO 500#; GOOD; DRILLED OUT CEMENT FROM 245" TO 689'
04-03-02 DRILLED OUT FROM 689' TO 942'; FELL OUT; RAN IN; TAGGED UP AT 1,925'; CIRCULATED HOLE CLEAN
04-04-02 CLEANED OUT FROM 1,925' TO 1,980'(SALT); RAN IN WITH TUBING TO 3,233'; CIRCULATED HOLE WITH 120 bbls MUD; PULLED OUT OF HOLE; RAN IN HOLE WITH PACKER;SET @ 2300'; TESTED 7" CASING TO 500#; GOOD; PRESSURED UPBELOW PCKR. TO 1500#; NO BLEED OFF; TALKED TO G.WINK; RAN IN HOLE TO 2,560'; PUMPED 40 SX CEMENT; DISPLACED TO 2,373'
04-05-02 TAGGED CEMENT AT 2,360'; PERFORATED @ 1,360'; SET PACKER AT 1,106';SQUEEZED 100 SX CEMENT; WOC
04-06-02 TAGGED CEMENT @ 1,160'; LAID TOWN TBNG AND PCKR; PERFORATED AT 160'; PUMPED 100 SX CEMENT TO SURFACE;
04-08-02 RIGGED DOWN P & A EQUIPMENT; INSTALLED DRY HOLE MARKERS

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE R. N. Mueller TITLE Sr Staff Production Engineer DATE 04/17/02

TYPE OR PRINT NAME R. N. Mueller TELEPHONE 915/683-0555

(This space for State Use)

APPROVED BY Gary W. Hall TITLE COMPLIANCE OFFICER DATE JUN 05 2002

CONDITIONS OF APPROVAL, IF ANY:

GWW

30025105 02

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

Form C-103
Revised 1-1-89

WELL API NO
30-025-10502

5. Indicate Type of Lease STATE ___ FEE XX

6. State Oil & Gas Lease No
LC 058626-A

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
LANGLIE-MATTIX PENROSE SAND UNIT
TRACT 26

1. Type of Well:
OIL WELL XX GAS WELL ___ OTHER

2. Name of Operator
ANADARKO PETROLEUM CORPORATION

8. Well No
01

3. Address of Operator
P.O. BOX 2497, MIDLAND, TX 79702

9. Pool name or Wildcat
LANGLIE-MATTIX SR ON GRBG

4. Well Location
Unit Letter G : 2310 Feet From The NORTH Line and 2310 Feet From The EAST Line

Section 28 Township 22S Range 37E NMPM LEA County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	XX
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER	☐			OTHER:			___

12. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

3/15/02 MIRU P & A EQUIPMENT; NIPPLE UP BOP; RAN IN HOLE W/TUBING TO 3445'; DID NOT TAG PLUG; PULL OUT W/TUBING; TALKED TO E.L. GONZALES.
3/18/02 RAN IN WITH 7" CIBP; SET AT 3350'; CIRCULATE HOLE W/122 BBL. MLF; PUMP 25 SACKS OF CEMENT; DISPLACE TO 3191'; PULL UP HOLE; WOC
3/19/02 RUN IN HOLE; TAG CEMENT AT 3241'; PULL UP TO 2561'; PUMP 25 SACKS CEMENT; DISPLACE TO 2402'
3/19/02 PULL UP TO 1328'; PUMP 25 SACKS CEMENT; DISPLACE TO 1169'; PULL OUT OF HOLE RAN 7" PACKER, LOOK FOR HOLE
3/19/02 RIG UP WIRE LINE; RAN IN HOLE; TAG CEMENT AT 2394'; PULL OUT OF HOLE WITH WIRE LINE AND TUBING AND PACKER; RUN IN HOLE TO 1328', PUMP 50 SACKS, DISPLACE TO 1006'; PULL OUT WITH TUBING; SHUT WELL IN
3/20/02 RAN IN WITH TUBING; TAG CEMENT AT 960'; LOAD 7" CASING; PUMP INTO 1 BPM AT 100#; PULL OUT WITH TUBING
3/20/02 RAN IN HOLE WITH PACKER, SET AT 505'; FOUND BAD CASING FROM 205' TO 800'; PULL OUT WITH PACKER
3/20/02 PERF AT 170', NIPPLE DOWN BOP, NIPPLE UP WELLHEAD; PUMP 100 SACKS CEMENT; DISPLACE WITH 1/2 BLS
3/21/02 TEST TO 500# GOOD, TAG AND PERF AT 92'; PUMP 50 SACKS OF CEMENT; DISPLACE TO PART 3.3 BLS
3/22/02 TAG AT 92'; PUMP 20 SACKS OF CEMENT, SQUEEZE 2 SACKS INTO PERFS. SIP. 500#. LAYDOWN TUBING CEMENT AT SURFACE; RIG DOWN P & A EQUIPMENT; INSTALL DRY HOLE MARKER; MOVE OFF

RECEIVED
APR 2002
Hobbs OCD

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE R.N. Mueller TITLE SR. STAFF PROD. ENGR. DATE 4/3/2002

TYPE OR PRINT NAME R.N. MUELLER TELEPHONE NO (915) 683-0555

(This space for State Use)

APPROVED BY Gary W. Lid TITLE Compliance Officer DATE 06/02

CONDITIONS OF APPROVAL, IF ANY:

GWW

SCS

30025 10553

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-103
Revised 1-1-89

WELL API NO.
30-025-10553

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
LANGLIE-MATTIX PENROSE SAND UNIT 33

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator
ANADARKO PETROLEUM CORP.

8. Well No.
33-2

3. Address of Operator
P.O. BOX 2497; MIDLAND, TX 79702

9. Pool name or Wildcat
LANGLIE-MATTIX SR QN GRBG

4. Well Location
Unit Letter C : 330 Feet From The NORTH Line and 2310 Feet From The WEST Line

Section 33 Township 22S Range 37E NMPM LEA County

10. Elevation (*Show whether DF, RKB, RT, GR, etc.*)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☒
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER:	☐			OTHER:	☐		

12. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

8-14-97 Notified Gary Wink w/ OCD. Tagged up @ 3276'. Loaded hole and pumped 25 sx C cmt 3276-3113'. Loaded hole and pumped 25 sx C cmt 2457-2295'. Perforated @ 1250'. RIH w/ packer but unable to establish rate due to bad csg. POOH w/ packer and pumped 25 sx C cmt open-ended @ 1300'. Tagged plug @ 1203'. Perforated @ 185'. Pumped 40 sx C cmt @ 787' across bad csg w/ holes; no tag.

8-15-97 No tag on plug pumped @ 787'. Attempted to load hole w/ brine and pumped 30 sx C cmt w/ 3% $CaCl_2$ @ 787'. WOC. and pressure-tested csg to 400 psi. Established circulation to surface and pumped 215 sx C cmt 185'-surface. RDMO

8-19-97 Cut off wellhead & capped well. Covered pit and dug up dead men. Installed dry hole marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [signature] TITLE Engineer DATE 8-22-97

TYPE OR PRINT NAME James F. Newman, P.E. TELEPHONE NO. 915-687-1994

(This space for State Use)

APPROVED BY [signature] TITLE OIL & GAS INSPECTOR DATE [illegible]

CONDITIONS OF APPROVAL, IF ANY:

JCJ

Anadarko Petroleum Corp.
Langlie-Mattix Penrose Sand Unit #33-2
Lea County, New Mexico Job #2202

08-14-97 Thursday
Notified Gary Wink w/ OCD of MI. MIRU Key rig. ND wellhead and NU BOP. RIH w/ 104 jts 2-3/8" workstring to 3276', tagged [reports indicate 25 sx plug at bottom, no CIBP's]. RU cementer and circulated hole w/ mud, pumped 25 sx C cmt 3276-3113'. POOH w/ tbg to 2457'. loaded hole w/ mud and pumped 25 sx C cmt 2457-2295'. POOH w/ tbg. RIH w/ wireline and perforated @ 1250'. POOH w/ wireline. RIH w/ packer to 1197', had communication above packer. POOH w/ packer, bad casing 744-682'. SI 7" annulus, unable to establish rate. Released packer and POOH, RIH open-ended to 1300', pumped 25 sx C cmt @ 1300'. POOH w/ tbg and WOC. RIH w/ wireline and tagged cmt @ 1203'. POOH to 185' and perforated @ 185'. POOH w/ wireline. Set packer, checked rate - 3 BPM on vacuum. POOH w/ packer, RIH w/ tbg to 787' and pumped 40 sx C cmt @ 787' across bad casing (holes in casing 744-682' taking fluid). POOH and SDFN.
RT: 7:30-6:30 11.0 hrs CRT: 11.0 hrs

08-15-97 Friday
RIH w/ tbg, no tag on plug pumped @ 787'. Attempted to load hole w/ brine, on vacuum. Pumped 30 sx C cmt w/ 3% $CaCl_2$ @ 787'. WOC 2 hrs. Pressure tested casing to 400 psi, okay. Opened surface casing, established circulation to surface. ND BOP and NU wellhead. Pumped 215 sx C cmt from 185' to surface, circulated cmt on annulus. RDMO to LMPSU #35-2.
RT: 7:30-1:00 5.5 hrs CRT: 16.5 hrs

08-19-97 Tuesday
Cut off wellhead and capped well. Covered pit and dug up dead men. Installed dry hole marker.

30025 10565

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-103
Revised 1-1-89

WELL API NO.
30-025-10565

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
LANGLIE-MATTIX PENROSE SAND UNIT 35

1. Type of Well: OIL WELL ☐ GAS WELL ☐ OTHER WIW

2. Name of Operator
ANADARKO PETROLEUM CORP.

8. Well No.
35-2

3. Address of Operator
P.O. BOX 2497; MIDLAND, TX 79702

9. Pool name or Wildcat
LANGLIE-MATTIX SR QN GRBG

4. Well Location
Unit Letter H : 1650 Feet From The NORTH Line and 330 Feet From The EAST Line

Section 33 Township 22S Range 37E NMPM LEA County

10. Elevation (*Show whether DF, RKB, RT, GR, etc.*)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☒
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER:	☐			OTHER:	☐		

12. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

8-15-97 Notified Gary Wink w/ OCD. Tagged up @ 1575'. SIFN.

8-18-97 Contacted Gary Wink w/ OCD. RIH w/ 7" packer to 960' and pressure tested csg below packer to 650 psi. POOH w/ packer and perforated csg @ 1250'. Set CICR @ 1197' and squeezed 200 sx C cmt to surface outside 7"csg. Pumped 10 sx C cmt on top of CICR, circulated mud. Circulated 40 sx C cmt 220'-surface. RDMO.

8-19-97 Cut off wellhead & capped well. Covered pit and dug up dead men. Installed dry hole marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE _____ TITLE Engineer DATE 8-22-97

TYPE OR PRINT NAME James F. Newman, P.E. TELEPHONE NO 915-687-1994

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

JCIB

30025 10566

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO.
30-025-10566

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

RECEIVED
FEB 29 2008
HOBBS OCD

7. Lease Name or Unit Agreement Name
Langlie Mattix Penrose Sand Unit

1. Type of Well: Oil Well ☐ Gas Well ☐ Other Injection Well

8. Well Number 353

2. Name of Operator
LEGACY RESERVES OPERATING LP

9. OGRID Number 240974

3. Address of Operator
PO BOX 10848, MIDLAND, TX 79702

10. Pool name or Wildcat
Langlie Mattix 7RVS-QN-GB

4. Well Location
Unit Letter B : 900 feet from the NORTH line and 1,650 feet from the EAST line
Section 33 Township 22S Range 37E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3,350' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type_____ Depth to Groundwater_____ Distance from nearest fresh water well_____ Distance from nearest surface water_____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material steel

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☒
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

SEE ATTACHED PLUGGED WELLBORE DIAGRAM

02/11/08 Contacted NMOCD, Buddy Hill. MIRU Triple N rig #24. NU BOP. POOH with production tubing and packer.

02/12/08 RIH w/ tbg-set CIBP to 3,335'. Set CIBP at 3,335' & displaced hole with plugging mud, pumped 25 sx C cmt 3,335 – 2,965'. Perforated casing @ 2,440'. RIH with packer, unable to establish rate at 2,100 psi. Contacted NMOCD, Buddy Hill, ok'd balanced plug. RIH with tubing and pumped 25 sx C cmt @ 2,490'. WOC & tagged cmt at 2,092'. Perforated casing at 1,250'. Squeezed 40 sx C cmt @ 1,250'. SDFN.

02/13/08 Contacted NMOCD, Buddy Hill. Tagged cmt at 1,090'. Perforated casing at 400', RIH with packer, and squeezed 70 sx C cmt. WOC and tagged cmt at 240'. Perforated casing at 178'. Established rate and squeezed 100 sx C cmt @ 178'. WOC and tagged cmt at 34'. Contacted NMOCD, Buddy Hill, ok'd tag. RIH with tubing to tag at 34' and circulated 10 sx C cmt to surface. POOH with tubing. RDMO.

Cut off wellhead & anchors, installed dry hole marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE Kent Williams TITLE Petroleum Engineer DATE 02/15/08

Type or print name Kent Williams

For State Use Only

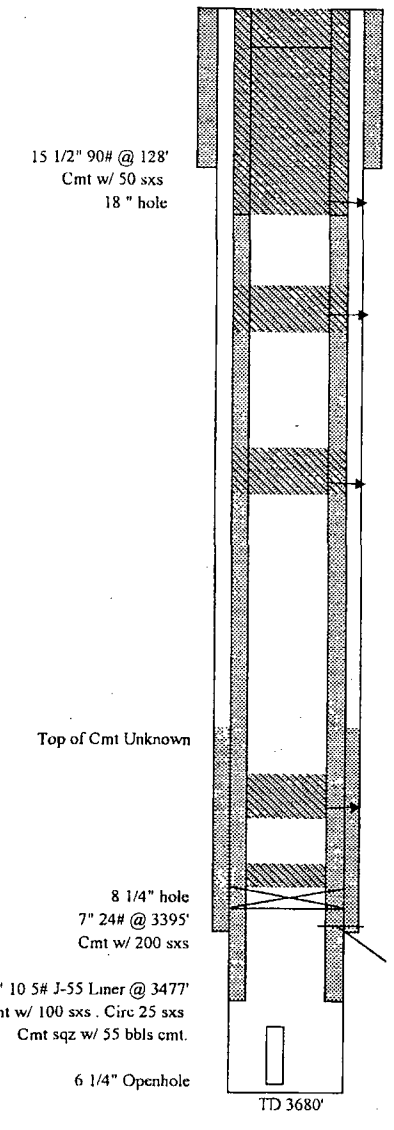
APPROVED BY: Chris Williams TITLE OC DISTRICT SUPERVISOR/GENERAL MANAGER DATE MAR 03 2008

Conditions of Approval (if any):

WELLBORE DIAGRAM

AFTER PLUG AND ABANDONMENT

Well Name & No.:	**Langlie Mattix Penrose Sand Unit # 353**				
Field:	**Langlie Mattix (7Rivers/Queen/Grayburg)**				
Location:	**900' FNL x 1650' FE L, Sec. 33 Unit Letter B ,T-22-S,R-37-E**				
County:	**Lea**	**State:**	**NM**	**API #**	**30-025-10566**
GR Elev:	**3350.0**			**Spud Date:**	**04/01/40**
KB:				**Drl Compl. Date:**	
GR Elev:				**Initial Compl. Date:**	



Plug # 6
Fillup 7" csg w/ cmt from 34' w/
10 sxs Cl C cmt

Plug #5
Tag @ 34'
Sqz w/ 100 sxs Cl C cmt @ 30'
Perf @ 178'

Plug # 4
Tag @ 240'
Sqz w/ 70 sxs Cl C cmt @ 30'
Perf @ 400'

Plug # 3
Tag @ 1090'
Szq w/ 40 sxs Cl C cmt @ NA'
Perf @ 1250'

Plug # 2
Tag @ 2092'
Spot 25 sxs Cl C cmt @ 2490'
Perf @ 2440'

Plug # 1
Est top @ 2965'
Spot 25 sxs Cl Ccmt on top
CIBP @ 3335'

Csg Leak 3394'-3437'

Fish @ 3645'-1jt 2 7/8" drill pipe
Last PBTD 3677'

30025/0569

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

Form C-103
Revised 1-1-89

WELL API NO.
30-025-10569

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No.
LC-058626-A

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
LANGLIE-MATTIX PENROSE SAND UNIT TRACT 21

1. Type of Well:
OIL WELL [X] GAS WELL [ ] OTHER

2. Name of Operator
ANADARKO PETROLEUM CORPORATION

8. Well No.
21-03

3. Address of Operator
PO BOX 2497, MIDLAND TX 79702-2497

9. Pool name or Wildcat

4. Well Location
Unit Letter D : 660 Feet From The NORTH Line and 660 Feet From The WEST Line

Section 34 Township 22S Range 37E NMPM LEA County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3346 GL

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[X]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[X]
PULL OR ALTER CASING	[ ]			CASING TEST AND CEMENT JOB	[ ]		
OTHER	[ ]			OTHER:			

12. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

02-18-02 MOVE IN; RIG UP P & A EQUIPMENT
02-19-02 MIX AND CIRCULATE HOLE WITH 120 bbls MLF; PUMP 25 SACKS FROM 3,262' TO 3,103'
02-19-02 PUMPED 25 SACKS OF CEMENT FROM 2,561' TO 2,402'; PULL UP 50 JTS.; WOC FOR 4 HOURS; RUN IN WITH TUBING; TAG CEMENT AT 2,417'; LAY DOWN TUBING TO 568'
02-19-02 PUMP 100 SACKS OF CEMENT FROM 568' TO 385'; PULL OUT OF HOLE
02-20-02 RAN IN HOLE; TAG CEMENT AT 409'; PUMP 15 SACKS OF CEMENT TO 365'; PULL UP TO 65'
02-20-02 PUMP 25 SACKS TO SURFACE; PULL OUT OF HOLE; CUT OFF WELLHEAD; INSTALL DRY HOLE MARKER; RIG DOWN; MOVE OFF

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE R. N. Mueller TITLE SR. STAFF PROD ENG DATE (915)683-0555

TYPE OR PRINT NAME R. N. MUELLER TELEPHONE NO

(This space for State Use)

APPROVED BY Tony W. Gill TITLE COMPLIANCE OFFICER DATE

CONDITIONS OF APPROVAL, IF ANY:

GWW

mP

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

ARY E. JOHNSON
Governor
nnifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

DATE: March 6, 2002

Company Name: Anadarko Petroleum Corp.
Address: P.O. Box 2497
City, State, Zip, and Phone: Midland TX 79702-2497

Form C-103, Report of Plugging for your: LMPS Unt Tr 21 #3-D (34-22s-37e)

Can not be approved until a Division representative has made an inspection of the location and found it to be in compliance of Division Rule and Regulations. Please check each item in the space provided to indicate that the work has been done.

1. All pits have been remediated in compliance with Division "Pit Remediation Guidelines".
2. Rat hole and cellar have been filled and leveled.
3. A steel marker at least 4" in diameter and at least 4' above ground level has been set in concrete. It must show the **OPERATOR NAME, LEASE NAME, WELL NUMBER, QUARTER/QUARTER LOCATION OR UNIT LETTER, SECTION, TOWNSHIP, AND RANGE.**
4. The location has been leveled as nearly as possible to original top ground contour and has been cleared of all junk and equipment.
5. The dead men and tie downs have been cut and removed.
6. If a one well lease or last remaining well on lease, the battery and pit location(s) have been remediated to Division "Pit Remediation Guidelines" and all flowlines, production equipment and junk removed from lease or well location.

The above are minimum requirements and no plugging bond will be released until all locations for plugged and abandoned wells have been inspected and Form C-103 approved. When all of the work outlined above has been done, please notify this office by filling in the blank form below and returning this letter to us so a Division representative will not have to make more than one trip to a location.

Sincerely,
OIL CONSERVATION DIVISION
Chris Williams
Chris Williams, District I Supervisor

FILL IN BELOW AND RETURN TO: Oil Conservation Division, 1625 N. French Drive, Hobbs, NM 88240
I certify that the above work has been done and the well or lease referenced above is ready for inspection and approval.

ANADARKO	LARRY D. PICKEREL/FIELD FOREMAN	3-21-02	915-425-4208
OPERATOR	NAME & TITLE	DATE	PHONE

30025105 70

NO. OF COPIES RECEIVED		
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SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION

AUG 11 11 01 AM '66

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [X] GAS WELL [ ] OTHER-

2. Name of Operator: Anadarko Production Company

3. Address of Operator: P. O. Box 247, Hobbs, New Mexico

4. Location of Well: UNIT LETTER C, 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE, SECTION 34 TOWNSHIP 22 S RANGE 37 E NMPM.

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.:

7. Unit Agreement Name: Langlie Mattix Penrose Sand Unit

8. Farm or Lease Name: Tract No. 21

9. Well No.: 4

10. Field and Pool, or Wildcat: Langlie Mattix

15. Elevation (Show whether DF, RT, GR, etc.): 3319' GR

12. County: Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [X]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

1. Ran 2-3/8" tubing with a 7" packer. Set packer at 2800'. Pumped 325 sacks regular cement with 1/4# flucele per sack. Squeezed cement to 3000 psi. Shut in. Waiting on cement.
2. After 24 hours pressure tested cement to 3000 psi without pressure loss. Pulled tubing. Top of cement at 3000'.
3. Shot 7" casing at 2000', 1500', 1000', 800' and 600' without results. Pulled casing free after shot at 400'. Recovered 400' 7" 26# casing, leaving 2982' in hole.
4. Ran tubing, mixed, and spotted 125 sacks mud from 3000' to 400'.
5. Set a plug and spotted 40 sacks cement in top of 7" at 425' and brought cement up to 375' into 9-5/8" surface casing.
6. Mixed and spotted 35 bbls mud from 375' to surface inside of 9-5/8" casing. Left 428' of 9-5/8" 36# casing in hole.
7. Spotted 10 sacks cement in top of 9-5/8" casing at surface. Placed 4" hole marker.
8. Cleared and leveled location.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED M. Mahaffey TITLE Project Supervisor DATE 7/28/66

APPROVED BY Leslie A. Clements TITLE ORIG. S. & THRU COPIES SIGNED OIL & GAS INSPECTOR DATE

CONDITIONS OF APPROVAL, IF ANY:

30025 10571

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

Form C-103
Revised 1-1-89

WELL API NO.
30-025-10571

5. Indicate Type of Lease STATE FEE XX

6. State Oil & Gas Lease No.
LC-058626-A

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

7. Lease Name or Unit Agreement Name
LANGLIE-MATTIX PENROSE SAND UNIT TRACT 21

1. Type of Well
OIL WELL — GAS WELL — OTHER WATER INJECTION

2. Name of Operator
ANADARKO PETROLEUM CORPORATION

8. Well No. ~~24~~ 07

3. Address of Operator
P.O. BOX 2497, MIDLAND, TX 79702-2497

9. Pool name or Wildcat
LANGLIE-MATTIX SR ON GRBG

4. Well Location
Unit Letter F : 2120 Feet From The NORTH Line and 2120 Feet From The WEST Line

Section 34 Township 22S Range 37E NMPM LEA County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS	☐	PLUG AND ABANDONMENT	XX
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER	☐			OTHER			

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1/31/02 MOVE IN AND RIG UP P & A EQUIPMENT; POOH WITH TUBING AND PACKER
2/01/02 RIH TO 3130'; TAG AND CAP RBO WITH 25 SACKS OF CEMENT; WOC; TAG AT 2752'; CIRC.HOLE WITH 42 BARRLES OF MUD LADEN FLUID
2/01/02 PUH WITH TUBING; PERFORATE AT 2510'; RAN AND SET PACKER AT 2212'; PRESSURE UP TO 2100#, NO BLEED OFF; PUH WITH PACKER
2/04/02 RIH WITH TUBING TO 2560'; PUMP 25 SACKS OFCEMENT; DISPLACE 10 2182'; PUH AND WOC; RAN IN, TAG CEMENT AT 2180'; PULL OUT WITH TUBING
2/04/02 PERFORATE AT 1365'; SET PACKER AT 947'; SQUEEZE 35 SACKS, 2 BPM AT 1150# PSI; DISPLACE TOC TO 1143', SIP AT 750 PSI
2/05/02 TAG TOC WITH TUBING AT 1143'; PERFORATE AT 60'; CIRC. 10 SACKS OF CEMENT DOWN 4 1/2 THRU PERFORATIONS AT 60' WITH CEMENT; CIRCULATE CEMENT TO SURFACE UP ANNUULUS; CUT OFF WELLHEAD; INSTALL DRY HOLE MARKER

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE R. N. Mueller TITLE SR STAFF PRODUCTION ENGINEER 02/13/02

TYPE OR PRINT NAME R. N. MUELLER TELEPHONE NO. 915/683-0555

(This space for State Use)

APPROVED BY Gary W. Hill TITLE COMPLIANCE OFFICER DATE JUL 23 2002

CONDITIONS OF APPROVAL, IF ANY:

GWW

MS

30025 10586

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

RECEIVED
MAY - 2 1951
OIL CONSERVATION COMMISSION
HOBBS OFFICE

Submit this report in triplicate to the Oil Conservation Commission District Office within ten days after the work specified is completed. It should be signed and filed as a report on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

5-1-51 (Date) Hobbs, New Mexico (Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Shell Oil Company (Company or Operator) T. O. May (Lease) Well No. 1 in the

N/2 of NW/4 of Sec. 35, T. 22-S, R. 37-E, N. M. P. M.,

Penrose-Skelly Pool Lea County.

The dates of this work were as follows: 4-26 thru 4-30-51

Notice of intention to do the work was ([redacted]t) submitted on Form C-102 on 4-20 1951,

and approval of the proposed plan was [redacted] obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Loaded hole w/mud. Spotted 60-sack cement plug @ 5 1/2" casing shoe. WOC 14 1/2 hrs. Found top plug @ 3310' (100' above casing shoe). Rigged up to pull casing. Calculated freeze point @ 2740'. Shot casing @ 2900', 2800', 2750' & 2700'. Failed to part pipe. Shot @ 2650'. Recovered 81 jts. of 5 1/2" casing. Spotted 20-sack cement plug @ 1170' (12' above 8 5/8" casing shoe), and then spotted 15-sack cement plug in top 8 5/8" casing to surface. Placed dry hole surface marker. Well plugged and abandoned 4-30-51.

Witnessed by C. R. Patterson (Name) Shell Oil Company (Company) Production Foreman (Title)

APPROVED:
OIL CONSERVATION COMMISSION

Roy Yarbrough (Name)
Oil & Gas Inspector (Title)
MAY - 2 1951 (Date) 19

I hereby swear or affirm that the information given above is true and correct.

Name J. D. Savage *J D Savage*

Position Division Exploitation Engineer

Representing Shell Oil Company (Company or Operator)

Address Box 1457, Hobbs, New Mexico

30025 13230

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
June 19, 2008

WELL API NO.
30-025-13230

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
JV BAKER # 3
Targa South Eunice Comp Station

1. Type of Well: Oil Well ☐ Gas Well ☐ Other STORAGE

8. Well Number 03

2. Name of Operator
TARGA MIDSTREAM SERVICE

9. OGRID Number
24650

3. Address of Operator
6 Desta Dr. Ste 3300 Midland Tx. 79705

10. Pool name or Wildcat
96670 LPG STORAGE WELL SALADO

4. Well Location
Unit Letter_E_____2310____feet from the _N_____ line and _1590__feet from the _W_____line
Section 27 Township 22S Range 37E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☒
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

MOVED ON CAVERN # 3 ON 7/2/08 REMOVED WELL HEAD WENT IN WITH WIRE LINE HIT PLUG AT 66'
MARK W/O C D ORDERD A CORE SAMPLE FOUND WELL HAD BEEN PLUK SOME TIME IN THE PAST
WAS TOLD TO GO AHEAD AND PLUG TO TOP. PRESSURED WELL TO 500 LB. FOR 30 MIN. HELD.
CALLED BJ SER. PUMP 50 SK. PREMIUM PLUS (C) CEMENT TO SURFACE RIG DOWN 7/9/08

Approved for plugging of well bore only. Liability under bond is retained pending receipt of C-103 (Subsequent Report of Well Plugging) which may be found at OCD Web Page under Forms, www.emnrd.state.nm.us/ocd.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE _____ TITLE ESH Manager DATE 8-27-08

Type or print name Cal Wrangham E-mail address: cwrangham@targa resources.com PHONE: 432-425-7072

For State Use Only

APPROVED BY: Gary W. Hill TITLE DISTRICT REPRESENTATIVE II/STAFF MANAGER DATE OCT 06 2008

Conditions of Approval (if any):

30025 13230

Submit 2 Copies To Appropriate District Office
District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
October 25, 2007

WELL API NO.
30-025-13230

5. Indicate Type of Lease
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
J V Baker #003
Targa South Eunice Comp Station

1. Type of Well: ☐ Oil Well ☐ Gas Well ☒ Other **Storage Well: Salado**

8. Well Number (Property 23669)

2. Name of Operator
Targa Midstream Services

9. OGRID Number
24650

3. Address of Operator
6 Desta Dr. Ste 3300 Midland TX 79705

10. Pool name or Wildcat
96670 LPG Storage Well

4. Well Location
Unit Letter E 2310 feet from the North line and 1590 feet from the West line
Section 27 Township 22S Range 37E NMPM _____ County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☒
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:	☐			☒ **Location is ready for OCD inspection after P&A**			

☐ All pits have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan.
☐ Rat hole and cellar have been filled and leveled. Cathodic protection holes have been properly abandoned.
☒ A steel marker at least 4" in diameter and at least 4' above ground level has been set in concrete. It shows the

OPERATOR NAME, LEASE NAME, WELL NUMBER, API NUMBER, QUARTER/QUARTER LOCATION OR UNIT LETTER, SECTION, TOWNSHIP, AND RANGE. All INFORMATION HAS BEEN WELDED OR PERMANENTLY STAMPED ON THE MARKER'S SURFACE.

☒ The location has been leveled as nearly as possible to original ground contour and has been cleared of all junk, trash, flow lines and other production equipment.
☒ Anchors, dead men, tie downs and risers have been cut off at least two feet below ground level.
☐ If this is a one-well lease or last remaining well on lease, the battery and pit location(s) have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan. All flow lines, production equipment and junk have been removed from lease and well location.
☒ All metal bolts and other materials have been removed. Portable bases have been removed. (Poured onsite concrete bases do not have to be removed.)
☒ All other environmental concerns have been addressed as per OCD rules.
☒ Pipelines and flow lines have been abandoned in accordance with 19.15.9.714.B(4)(b) NMAC. All fluids have been removed from non-retrieved flow lines and pipelines.

When all work has been completed, return this form to the appropriate District office to schedule an inspection. If more than one inspection has to be made to a P&A location because it does not meet the criteria above, a penalty may be assessed.

SIGNATURE _____ TITLE ESH Manager DATE 8-27-08

TYPE OR PRINT NAME Cal Wrangham E-MAIL: cwrangham@targaresources.com PHONE: 432 425 7072

For State Use Only

APPROVED BY: Mark Whitaker TITLE COMPLIANCE OFFICER DATE 10/7/08

Conditions of Approval (if any):

30025 13232

Form C-101

RECEIVED
FEB 14 1952
OIL CONSERVATION COMM.
HOBBS, OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION

NOTICE OF INTENTION TO DRILL

See Rules 101 and 1104.

If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval.

Hobbs, New Mexico - February 8, 1952.
Place Date

Notice hereby is given that it is our intention to commence the drilling of a well to be known as

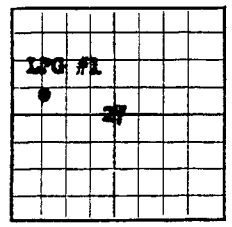
Skelly Oil Company (Company or Operator) J. V. Baker (Lease) well No. LPG #1 in SE SW NW

of Sec. 27, T. 22S, R. 37E, N. M., P. M. — (Pool), Lea County.

The well is 2310 feet from (N.) XXX line and 990 feet from XXX (W.) line of the above section.

(Give location from section lines. Cross out wrong directions.)

N



AREA 640 ACRES

LOCATE WELL CORRECTLY

If state land the oil and gas lease is No. ..... Assignment No. .....

If patented land the owner is J. V. Baker

Address Eunice, N.M.

If government land the permittee is .....

Address .....

The lessee is Skelly Oil Co.

Address Tulsa, Okla.

We propose to drill well with drilling equipment as follows:

Rotary tools from surface to total depth.

The status of a bond for this well in conformance with Rule 101 of the General Rules and Regulations of the Commission is as follows: .....

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
12-1/4	8-5/8	32#	New	1860'	Cemented	850

If changes in the above plans become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about — feet.

Additional information: This is not oil or gas extraction well

Halliburton process will be used on all cementing and cement will be circulated to surface. This well will be drilled to approximately 2200' and will wash out cavity in salt section to store L.P.G.

Approved FEB 15 1952, 19....

except as follows:

OIL CONSERVATION COMMISSION.

By [signature] Engineer District 1

Title .....

Skelly Oil Company
Company or Operator

By [signature]

Position Dist. Supt.

Send communications regarding well to:

Name Skelly Oil Co.

Address Box 38 - Hobbs, N.M.

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Dynegy Midstream Services, Limited Partnership 1000 Louisiana, Suite 5800 Houston, Texas 77002	24650
	[3] Reason for Filing Code: CH 7/1/98 ✓

[4] API Number	[5] Pool Name	[6] Pool Code
30-025-13232	~~Salt~~ LPG Storage Well Salado	96670
[7] Property Code	**[8] Property Name**	**[9] Well Number**
23669	J. V. Baker	LPG-1

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	27	22S	37E		2310	North	990	West	Lea

[11] Bottom Hole Location

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

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
P	LPG Storage				

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
	None			

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, DC,MC

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
[41] Choke Size	**[42] Oil**	**[43] Water**	**[44] Gas**	**[45] AOF**	**[46] Test Method**

[47] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Sandra Rowan

Printed name: Sandra Rowan

Title: Administrative Assistant

Date: 8-17-98 Phone:

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY

Title: GARY WINK FIELD REP. II

Approval Date: SEP 15 1998

[48] If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
W. A. Smith	W. A. Smith	Complex Mgr.	8/26/98

30025214155

NUMBER OF COPIES RECEIVED			
DISTRIBUTION			
SANTA FE			
FILE			
U.S.G.S.			
LAND OFFICE			
TRANSPORTER	OIL		
	GAS		
PRORATION OFFICE			
OPERATOR			

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Form C-101
Revised (12/1/55)

NOTICE OF INTENTION TO DRILL

Notice must be given to the District Office of the Oil Conservation Commission and approval obtained before drilling or recompletion begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in QUINTUPLICATE. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission. If State Land submit 6 Copies Attach Form C-128 in triplicate to first 3 copies of form C-101

Hobbs, New Mexico (Place) 4/5/65 (Date)

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Gentlemen:

You are hereby notified that it is our intention to commence the Drilling of a well to be known as

Ambassador Oil Corporation (Company or Operator)

Langlie Mattix Penrose Sand Unit Tract 19 (Lease), Well No. 5, in J (Unit). The well is located 2210 feet from the South line and 2210 feet from the East line of Section 27, T. 22 S., R. 37 E., NMPM.

(GIVE LOCATION FROM SECTION LINE) Langlie Mattix Pool, Lea County

D	C	B	A
E	F	G	H
L	K	X J	I
M	N	O	P

If State Land the Oil and Gas Lease is No.

If patented land the owner is R. D. Sims

Address Eunice, New Mexico

We propose to drill well with drilling equipment as follows:
Rotary tools from surface to T.D.

The status of plugging bond is Bond on file

Drilling Contractor Leatherwood Drilling Company

We intend to complete this well in the Penrose Section of Queen formation at an approximate depth of 3650 feet.

CASING PROGRAM

We propose to use the following strings of Casing and to cement them as indicated:

Size of Hole	Size of Casing	Weight per Foot	New or Second Hand	Depth	Sacks Cement
9 5/8"	7 5/8"	20#	Second Hand	300'	Circulate
6 5/8"	4 1/2"	9.5	New	3650'	250*

If changes in the above plans become advisable we will notify you immediately.

ADDITIONAL INFORMATION (If recompletion give full details of proposed plan of work.)

*Enough cement to bring top of cement up into salt section.

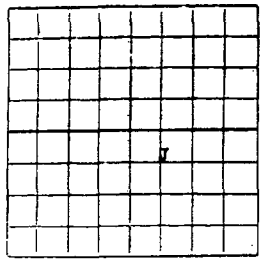
This well is a replacement well for Tract 19 Well No. 1 which was lost due to junk in the hole.

Approved ..., 19.....
Except as follows:

OIL CONSERVATION COMMISSION
By .....

Sincerely yours,
Ambassador Oil Corporation (Company or Operator)
By M F Nelson
Position Project Supervisor
Send Communications regarding well to
Name M. F. Nelson
Address P.O.Box 247, Hobbs, New Mexico

(Revised 7/1/58)
(Form C-105)



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

Ambassador Oil Corporation (Company or Operator) Langlie Mattix Penrose Sand Unit Tr. 19 (Lease)

Well No. 5, in NW ¼ of SE ¼, of Sec. 27, T. 22 S, R. 37 E, NMPM.

Langlie Mattix Pool, Lea County.

Well is 2210' feet from South line and 2210' feet from East line of Section 27. If State Land the Oil and Gas Lease No. is .....

Drilling Commenced April 7, 1965 Drilling was Completed April 16, 1965

Name of Drilling Contractor Leatherwood Drilling Company

Address Kermit, Texas

Elevation above sea level at Top of Tubing Head 3329' The information given is to be kept confidential until ....., 19.....

OIL SANDS OR ZONES

No. 1, from 3530' to 3536' No. 4, from 3598' to 3603'

No. 2, from 3547' to 3555' No. 5, from 3627' to 3631'

No. 3, from 3573' to 3576' No. 6, from 3643' to 3645'

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 70' to 80' feet. .....

No. 2, from 715' to 735' feet. .....

No. 3, from ..... to ..... feet. .....

No. 4, from ..... to ..... feet. .....

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
7 5/8"	26#	Used	300'	Tex.patt.			Surface
4 1/2"	11.60#	New	3682'	Float Shoe		See below	Oil string

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
9 7/8"	7 5/8"	300'	150	Pump & plug		
6 3/4"	4 1/2"	3682'	240	Pump & plug		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

1. Perforations 3530'-36', 3547'-55', 3573'-76', 3598'-3603', 3627'-31', 3643'-45', 3661'-64'.

2. Acidized perforations with 1000 gallons reg. 15% acid.

Result of Production Stimulation Well drilled for a water injection well. Well placed on injection 4/29/65 after running tubing and packer.

Depth Cleaned Out 3670'

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-103
Revised 1-1-89

WELL API NO.
30-025-21455

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Langlie-Mattix Penrose Sand Unit

1. Type of Well: OIL WELL ☐ GAS WELL ☐ OTHER WIW

2. Name of Operator
Anadarko Petroleum Corp.

8. Well No.
195

3. Address of Operator
P.O. Box 2497; Midland, TX 79702

9. Pool name or Wildcat
Langlie-Mattix SR QN GRBG

4. Well Location
Unit Letter J : 2210 Feet From The South Line and 2210 Feet From The East Line

Section 27 Township 22S Range 37E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3332' DF

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☒
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER:	☐			OTHER:	☐		

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

8-20-97 Notified OCD. RIH w/ 4-1/2" CICR and set @ 3465': could not establish rate. Stung out of CICR and circulated hole w/ mud; pumped 25 sx C cmt 3465-3103'. Pumped 25 sx C cmt 2457-2095'. Perforated 4-1/2" csg @ 1250'. RIH w/ CICR and set @ 1197'. Pumped 100 sx C cmt under CICR and dumped 10 sx C cmt on top; TOC @ 1053'. Perforated 4-1/2" csg @ 350'. RIH w/ 4-1/2" AD-1 packer and established rate w/ circulation between 7-5/8" and 4-1/2" csgs. POOH w/ packer and pumped 85 sx C cmt 350'-surface. RD.

8-30-97 Cut off wellhead & capped well. Covered pit and dug up dead men. Installed dry hole marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [signature] TITLE Engineer DATE 8-29-97

TYPE OR PRINT NAME James F. Newman, P.E. TELEPHONE NO. (915) 687-19
1994

(This space for State Use)

APPROVED BY [signature] TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

I Ct Pa

bd

Plugging Report

Anadarko Petroleum Corp.
Langlie-Mattix Penrose Sand Unit #19-5
Lea County, New Mexico Job #2194

08-20-97 Wednesday
Notified OCD, Gary Wink, of MI. MIRU Key rig. ND wellhead and NU BOP. Attempted to unseat packer; would go down but not up. Kept working tbg; pulled top sub (8') out of box. RIH w/ 4 jts and screwed into fish. POOH w/ packer, LD 116 jts Salta tbg and packer. RIH w/ CICR on 2-3/8" workstring to 3465'. Unable to establish rate under CICR. Stung out and pumped 25 sx C cmt 3465-3103'. POOH w/ tbg. RIH w/ wireline and perforated @ 1250'; POOH w/ wireline. RIH w/ AD-1 packer to 1197'. Established rate of 5 BPM @ 900 psi. POOH w/ packer, RIH w/ CICR to 1197'. Squeezed 100 sx cmt @ 350'. POOH w/ wireline. PU AD-1 packer, established circulation to surface thru perforations. POOH w/ packer. ND BOP and circulated 85 sx C cmt to surface. RD.
RT: 7:30-7:00 11.5 hrs CRT: 11.5 hrs

30025 22159

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

Form C-103
Revised 1-1-89

WELL API NO.
30-025-22159

5. Indicate Type of Lease STATE XX FEE

6. State Oil & Gas Lease No.
LC-058626-A

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
LANGLIE-MATTIX PENROSE SAND UNIT TRACT 24

1. Type of Well
OIL WELL — GAS WELL — OTHER INJECTION

2. Name of Operator
ANADARKO PETROLEUM CORPORATION

8. Well No.
04

3. Address of Operator
P.O. BOX 2497, MIDLAND, TX 79702-2497

9. Pool name or Wildcat
LANGLIE-MATTIX SR ON GRBG

4. Well Location
Unit Letter J : 1330 Feet From The SOUTH Line and 1330 Feet From The EAST Line

Section 28 Township 22S Range 37E NMPM LEA County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3346' GL

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	—	ALTERING CASING	—
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS	—	PLUG AND ABANDONMENT	XX
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	—		
OTHER	☐			OTHER			

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

3/11/02 - MOVE IN AND RIG UP P & A EQUIPMENT, NIPPLE UP BOP
3/12/02 - RAN IN W/RETREIVING HEAD; PULL OUT W/RBP; SET 4 1/2 CIBP @ 3431'
3/12/02 - CIRCULATE HOLE W/50 BBL MLF, PUMP 25 SACKS CEMENT; DISPLACE TO 2985'
3/13/02 - TAG CEMENT AT 2850', PERF AT 2540', SET PACKER AT 2054', PRESSURE UP TO 1800# HELD 15 MINUTES, TALK TO E.L. GONZALES, RAN IN TO 2597', PUMP 25 SACKS, WOC, TAG @ 2160'
3/13/02 - PERF @ 1280', SET PACKER AT 980'. E.P.I.R. 2BBPM AT 750#, PUMP 25SACKS, DISPLACE TO 1180', SIP 650#
3/14/02 - TAG CEMENT AT 1156'; PERF AT 367', SET PACKER AT 93', PUMP 133 SACKS, DISPLACE TO 267' WOC 4 HOURS, TAG CEMENT AT 200'
3/15/02 - TEST TO 500# GOOD; PERF AT 60', PUMP 25 SACKS TO SURFACE; CUT OFF WELLHEAD; INSTALL DRY HOLE MARKER; MOVE OFF

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE R.N. Mueller TITLE SR. STAFF PROD. ENGR DATE 3-22-02

TYPE OR PRINT NAME R.N. MUELLER TELEPHONE NO.

(This space for State Use)

APPROVED BY E Gonzales TITLE Tech DATE 4-15-03

CONDITIONS OF APPROVAL, IF ANY

GWW

30025 22654

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

Form C-103
Revised 1-1-89

WELL API NO.
30-025-22654

5. Indicate Type of Lease STATE XX

6. State Oil & Gas Lease No.
LC-058626-A

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
LANGLIE-MATTIX PENROSE SAND UNIT TRACT 28

1. Type of Well
OIL WELL — GAS WELL — OTHER WATER INJECTION WELL

8. Well No.
28-07

2. Name of Operator
ANADARKO PETROLEUM CORPORATION

9. Pool name or Wildcat
LANGLIE-MATTIX SR ON GRBG

3. Address of Operator
P.O. BOX 2497, MIDLAND, TX 79702

4. Well Location
Unit Letter N : 660 Feet From The SOUTH Line and 1980 Feet From The WEST Line

Section 28 Township 22S Range 37E NMPM LEA County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	XX
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER	☐			OTHER			

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

2/20/02 - MOVE IN AND RIG UP P & A EQUIPMENT; LAY DOWN 110 JOINTS OF 2 3/8 TUBING
2/25/02 - MILL UP CIBP AT 70' (TALK TO WINKLER W/OCD) PUMP 25 SACKS CEMENT FROM 3315' TO 2886'
2/26/02 - TAG CEMENT AT 3065', PULL UP TO 2504', PUMP 25 SACKS OF CEMENT, DISPLACE TO 2075'
2/27/02 TO 3/7/02 - WORK ON 4 1/2 CASING, UNABLE TO GET BACK IN 4 1/2 CASING W/MILLS
3/8/02 - TALK TO CHRIS WILLIAMS W/OCD, OK'D TO PERFORATE AT 384' AND PUMP CEMENT, PUMP 160 SACKS OF CEMENT TO SURFACE
3/11/02 - CEMENT AT SURFACE, CUT OFF WELLHEAD, INSTALL DRY HOLE MARKER, RIG DOWN AND MOVE OFF

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Sabra Woody TITLE Engr Tech III DATE 03/26/02

TYPE OR PRINT NAME Sabra Woody TELEPHONE NO. 915/683-0534

(This space for State Use)

APPROVED BY E Gonzales TITLE Field Rep DATE 1-15-03

CONDITIONS OF APPROVAL, IF ANY:

ICS GWW

30025 23212

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-103
Revised 1-1-89

WELL API NO.
30-025-23212

5. Indicate Type of Lease STATE ___ FEE X

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Langlie-Mattix Penrose Sand Unit 25

1. Type of Well:
OIL WELL ___ GAS WELL ___ OTHER WIW

2. Name of Operator
Anadarko Petroleum Corp.

8. Well No.
25-3

3. Address of Operator
P.O. Box 2497; Midland, TX 79702

9. Pool name or Wildcat
Langlie-Mattix SR QN GRBG

4. Well Location
Unit Letter B : 990 Feet From The North Line and 1650 Feet From The East Line

Section 28 Township 22S Range 37E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3348' GL

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	___	PLUG AND ABANDON	___	REMEDIAL WORK	___	ALTERING CASING	___
TEMPORARILY ABANDON	___	CHANGE PLANS	___	COMMENCE DRILLING OPNS.	___	PLUG AND ABANDONMENT	X
PULL OR ALTER CASING	___			CASING TEST AND CEMENT JOB	___		
OTHER:	___		___	OTHER:	___		___

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. SEE RULE 1103.

8-18-97 Notified Gary Wink w/ OCD. MIRU. SIFN.

8-19-97 Contacted Gary Wink, Buddy and Charles w/ OCD. Tagged existing CIBP @ 3491'. Pumped 25 sx C cmt 3491-3129'. Pumped 25 sx C cmt 2497-2095'. Perforated @ 1250'; RIH w/ packer and established rate. POOH w/ packer and set CICR @ 1197'. Squeezed 200 sx C cmt under CICR, pumped 10 sx 1197-1052'. Perforated @ 440'; RIH w/ packer and established rate, no circulation to surface outside 4-1/2" csg. Pumped 60 sx C cmt 440'-surface. RD

8-30-97 Cut off wellhead & capped well. Covered pit and dug up dead men. Installed dry hole marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [signature] TITLE Engineer DATE 8-29-97

TYPE OR PRINT NAME James F. Newman, P.E. TELEPHONE NO. (915) 687-1994

(This space for State Use)

APPROVED BY [signature] TITLE [illegible] DATE ___

CONDITIONS OF APPROVAL:

JCJB

30025 23853

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
June 19, 2008

WELL API NO.
30-025-23853

5. Indicate Type of Lease
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other STORAGE

7. Lease Name or Unit Agreement Name
LPG STORAGE # 4
Targa South Eunice Comp Station

8. Well Number 04

2. Name of Operator
TARGA MIDSTREAM SERVICE

9. OGRID Number
24650

3. Address of Operator
6 Desta Dr. Ste 3300 Midland Tx. 79705

10. Pool name or Wildcat
96670 LPG STORAGE WELL SALADO

4. Well Location
Unit Letter K 2471 feet from the S line and 1658 feet from the W line
Section 27 Township 22S Range 37E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☒
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

MOVED ON WELL 6/24/08 RIGGED DOWN TREE AND PIPING NO PRESSURE ON WELL, PULLED AND LAYED DOWN 7" CASING, SET 133/8 CASTIRON PLUG AT 1820' TESTED PLUG AT 500 LB. FOR 30 MIN. HELD.
FILLED 133/8 CASING WITH 1140 SK. PREMIUN PLUS (C) CEMENT TO SURFACE CUT 133/8 CASING DOWN TO CEMENT SLAB AND WELDED CAP FINISH 7/2/08

Approved for plugging of well bore only. Liability under bond is retained pending receipt of C-103 (Subsequent Report of Well Plugging) which may be found at OCD Web Page under Forms, www.emnrd.state.nm.us/ocd.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE TITLE ESH Manager DATE 8-27-08

Type or print name Cal Wrangham E-mail address: cwrangham@targa resources.com PHONE: 432-455-7072

For State Use Only

APPROVED BY: TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE OCT 06 2008

30025264

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
30-025-25264

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
MONKEY 3 TRACT C

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator
CHEVRON USA INC.

8. Well No.
1

3. Address of Operator
15 Smith Rd Midland Tx 79702 P.O. Box 1150

9. Pool name or Wildcat
BLINEBRY/TUBB/DRINKARD

4. Well Location
Unit Letter C : 430 Feet From The North Line and 1980 Feet From The West Line

Section 23 Township 22S Range 37E NMPM LEA County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3551'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER:	☐			OTHER:			

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Set CICR @ 2764' pmp P&A mud
Mix 465sx Cmt Sqz perfs fr 2762/6561.
WL perf 4 holes @ 1200 Set CICR @ 1086'
Sqz 305x 195x above RTNR
Spot 90' surf plug Install P&A marker
Work started 8/31/90 ENDED 9/2/90

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE M. E. Abrin 9/5/90 TITLE Delg. Supt. DATE 9/5/90

TYPE OR PRINT NAME TELEPHONE NO.

(This space for State Use)

APPROVED BY R.A. Gallegos TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

30025 32212

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED		
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LAND OFFICE		
OPERATOR		

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease State ☐ Fee ☒
5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☐ GAS WELL ☐ OTHER- Plugged & Abandoned

7. Unit Agreement Name: LMPSU

2. Name of Operator: Anadarko Production Company

8. Farm or Lease Name: Tract 21

3. Address of Operator: P.O. Box 806 Eunice, New Mexico 88231

9. Well No.: 5

4. Location of Well: UNIT LETTER F, 1980 FEET FROM THE North LINE AND 1982 FEET FROM THE West LINE, SECTION 34 TOWNSHIP 22S RANGE 37E NMPM.

10. Field and Pool, or Wildcat: LanglieMattix Penrose

15. Elevation (Show whether DF, RT, GR, etc.): 3332 GL

12. County: Lea

6. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐			COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☒
PULL OR ALTER CASING	☐	CHANGE PLANS	☐	CASING TEST AND CEMENT JOB	☐		
OTHER	☐			OTHER Re-enter to re-plug 2nd Attempt	☐		

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. MIRURT 3-10-85 TIH w/ 8 3/4" bit on 6 - 5" DC. Tagged up on fill @ 188'. CO to top of 7" csg stub. TOH w/ 8 3/4" bit.
2. TIH w/ spear to 7" csg stub. Couldn't get a hold of 7" csg to pull. TOH w/spear
3. TIH w/ 6⅛" bit on 6 - 5" DC. CO to 1393' & hit waterflow of 15 BPH 3-12-85. CO to 2546. Mudded up hole w/ 38# Viscosity mud.
4. Water flow had completely quit by the 3-14-85.
5. CO to 3056' Hit waterflow of 214 BPH. After 24 hrs flow had slowed to 42 BPH.
6. CO to 3405'. Wtr flow had slowed to 15 BPH. TOH w/ bit.
7. TIH w/ DP openended. Set 35 SX plug (Class "C" w/ 2% CaCl) @ 3376'. WOC 4 hrs. Tried to tag up on plug, but plug was gone.
8. Pumped 100 SX Class "C" w/ 2% CaCl plug @ 3376'. WOC @ 5 hrs & tagged up on plug @ 3362'.
9. Set 35 SX Class "C" plug @ 3360'. Top of this plug was @ 3260'. TOH w/ DP.
10. TIH w/ Lnyes Multi-set PKR on DP & set @ 2750'. Stopped wtr flow up backside. Pumped into 7 Rivers formation @ 2 BPM @ 2000# PSI. Pumped in @ 370 SX Class "C Neat cement. Obtained no squeeze pressure. WOC 6 hrs. Tried to pull PKR. Could not. PKR was stuck. Had no back flow.

Continued on next page.

8. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Howard O Hewett TITLE Field Foreman DATE April 1, 1985

APPROVED BY Jackie R Griffin TITLE OIL & GAS INSPECTOR DATE JUL 15 1985

CONDITIONS OF APPROVAL, IF ANY:

APPENDIX D

IDENTIFICATION OF LESSEES, SURFACE OWNERS AND OTHER INTERESTED PARTIES FOR NOTICES; COPIES OF NOTICE LETTERS AND CERTIFIED MAIL RECEIPTS; COPY OF DRAFT PUBLIC NOTICE FOR HEARING

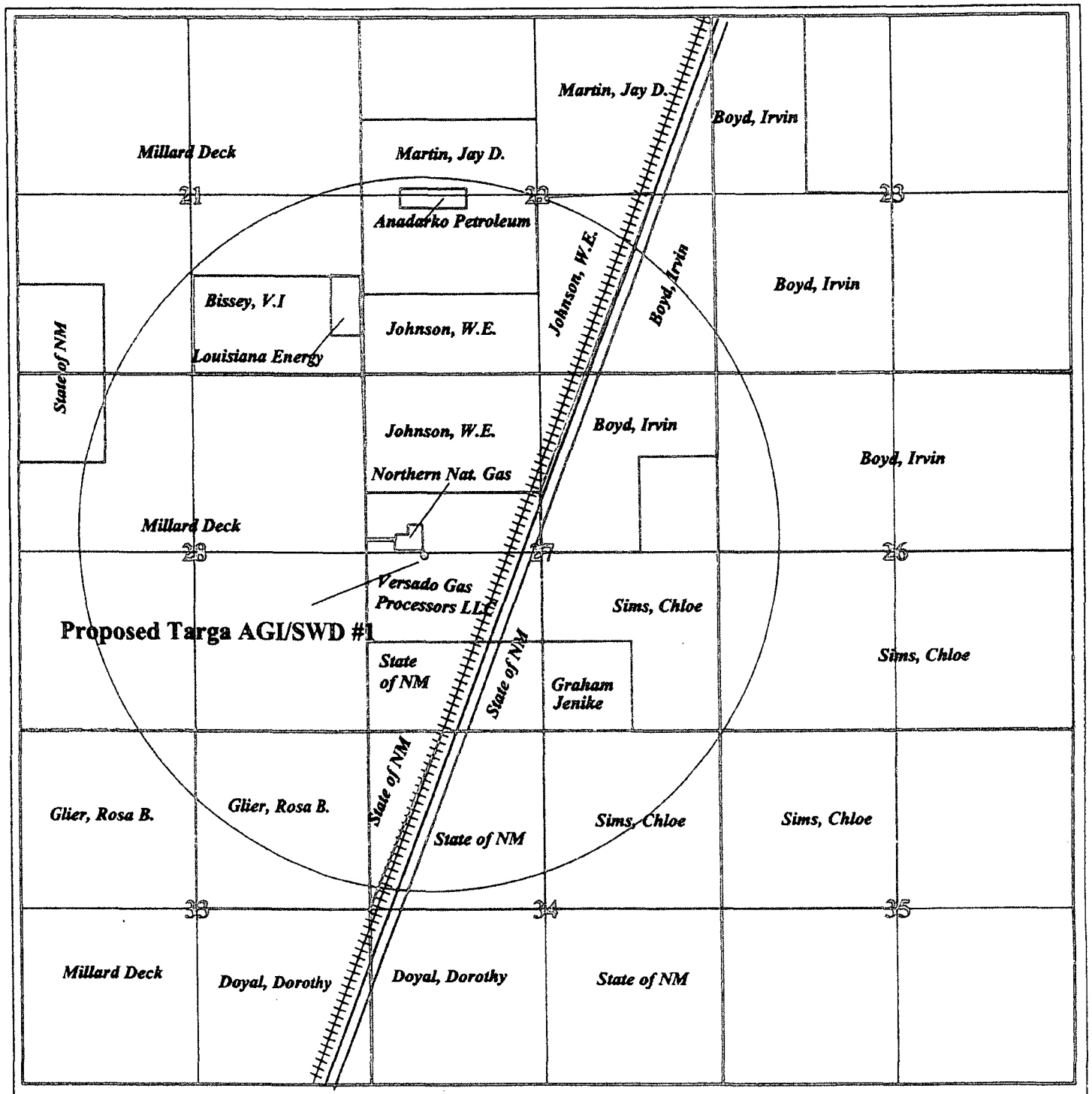

Figure D-1
Approximate Locations of Surface Owners Within One Mile of Proposed Targa AGI/SWD Well

GEOLEX INCORPORATED

One Mile Circel Around Proposed Verdado AGI/SWD Well

TABLE D-1

LIST OF ALL OPERATORS WITHIN 1 MILE AREA OF REVIEW FOR PROPOSED TARGA AGI/SWD #1 WELL

1. Anadarko Petroleum Company
   P. O. Box 2497
   Midland, TX 79702

2. Burleson Petroleum, Inc.
   P. O. Box 2479
   Midland, TX 79702

3. Quantam Resources AI L P
   1401 McKinney
   Suite 2400
   Houston, TX 77010

4. Black Diamond Resources LLC
   1401 McKinney
   Suite 2400
   Houston, TX 77010

5. QAC Carried WI, LP
   1401 McKinney
   Suite 2400
   Houston, TX 77010

6. QAB Carried WI, LP
   1401 McKinney
   Suite 2400
   Houston, TX 77010

7. John H. Hendrix Corp.
   P. O. Box 3040
   Midland, TX 79702

8. Key Energy Services, LLC
   6 Desta Drive
   Suite 4400
   Midland, TX 79705

9. Legacy Reserve Operating, LP
   P. O. Box 10848
   Midland, TX 79702

10. OXY USA Inc.
    P. O. Box 4294
    Houston, TX 77210

11. Range Operating NewMexico LLC
    100 Throckmorton St.
    Suite 1200
    Fort Worth, TX 76102

12. Targa Midstream Services LP
    1000 Louisiana Street
    Suite 4700
    Houston, TX 77002

TABLE D-2

LIST OF SURFACE OWNERS WITHIN 1 MILE RADIUS OF PROPOSED TARGA AGI/SWD #1 WELL

Township 22 South, Range 37 East:

1. Millard Deck Estate
   % Harding & Carbone, Inc.
   3903 Bellaire Blvd.
   Houston, TX 77025

2. New Mexico State Land Office
   310 Old Santa Fe Trail
   P. O. Box 1148
   Santa Fe, NM 87504

3. William E. Johnston
   P. O. Box 152
   Monument, NM 88265

4. Chloe S. Sims
   P. O. Box 922
   Eunice, NM 88231

5. Versado Gas Processors, LLC
   1000 Louisiana St.
   Suite 4700
   Houston, TX 77002

6. George A. Graham, Jr.
   Jennifer Diane Jenike
   701 S. 18th Street
   Artesia, NM 88210

7. Dorothy Doyal et al
   Minnie Sims Hedgpeth
   P. O. Box 1045
   Jal, NM 88252

8. New Mexico State Highway Department
   P. O. Box 1149
   Santa Fe, NM 87504

9. Virginia I. Bissey
   1048 Marion Richards Rd.
   Roswell, NM 88201

10. Jay D. Martin
    P. O. Box 416
    Eunice, NM 88231

11. Irvin Boyd
    P. O. Box 121
    Eunice, NM 88231

12. Northern Natural Gas Company
    Property Tax Department
    P. O. Box 3330
    Omaha, NE 68103

13. Ronald G. Skiles
    P. O. Box 1306
    Eunice, NM 88231

14. Rosa B. Glier
    Rose Deanne Glier Phillips
    12803 Dove Drive
    Buda, TX 78610

15. Missouri Pacific Railroad Company
    Union Pacific Railroad Company
    Property Tax Department
    1400 Douglas Street
    Omaha, NE 68179

16. Louisiana Energy Services LP
    P. O. Box 1789
    Eunice, NM 88231

17. Anadarko Petroleum Company
    P. O. Box 2497
    Midland, TX 79702

TABLE D-3
UNIT/LEASE AREAS WITHIN TARGA AGI/SWD #1 AREA OF REVIEW

1. **LANGLIE-MATTIX PENROSE UNIT**

22 SOUTH, 37 EAST:

Section 21: ALL
Section 22: ALL
Section 23: W/2 NW/4; SW/4 SW/4;
Section 26: W/2 W/2;
Section 27: ALL
Section 28: ALL
Section 33: E/2 NE/4;
Section 34: N/2; SE/4;

Operator on above Unit: **Legacy Reserve Operating, L. P.**
303 W. Wall
Suite 1600
Midland, TX 79701

2. **SKELLY PENROSE "A" SAND UNIT**

22 SOUTH, 37 EAST:

Section 33: S/2;
Section 34: SW/4;

Operator on above Unit: **Cimerax Energy Company**
600 N. Marienfeld
Suite 600
Midland, TX 79701

3. **OIL & GAS LEASE**

22 SOUTH, 37 EAST:

Section 35: NW/4;

Lessee on above tract: **Anadarko Petroleum Company**
1201 Lake Robbins Dr.
The Woodlands, TX 77380

TABLE D-4

RESIDENTS AND BUSINESS FACILITIES WITHIN 1 MILE AREA OF REVIEW FOR PROPOSED TARGA AGI/SWD #1 WELL

1. Home - Ronald G. Skiles
P. O. Box 1306
Eunice, NM 88231

2. Out of Service Compressor Station - Northern Natural Gas Company
Property Tax Department
P. O. Box 3330
Omaha, NE 68103

3. Home – Virginia I Bissey
1048 Marion Richards Rd.
Roswell, NM 88201

TABLE D-5

MUNICIPALITIES AND OTHER AGENCIES TO BE INDIVIDUALLY NOTICED WITHIN 5 MILES OF THE PROPOSED TARGA AGI/SWD #1 WELL PURSUANT TO NMOCD REQUEST

1. Mayor Johnnie "Matt" White
Town of Eunice
PO Box 147
Eunice, New Mexico 88231

The remainder of the areas within 5 miles of the proposed well is unincorporated area within Lea County, NM and will be served by the publication of the legal notice in the Hobbs Daily News-Sun.

2. US Bureau of Land Management
Pecos District
Hobbs Field Station
414 W. Taylor
Hobbs, NM 88240-1157

3. NM State Land Office (included in notice to surface owners within 1 mile area of review)

November 9, 2010

Generic Notified Party
Mailing Address
City, State ZipCode

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RE: Application of Targa Midstream Services Limited Partnership as operator for Versado Gas Processors, LLC and notice of hearing for approval to inject acid gas into Targa's existing Eunice Gas Plant Salt Water Disposal (SWD) Well No. 1 (API No. 30-025-21497), which it proposes to recomplete, located at 1200 feet from the West line and 2580 feet from the South line of Section 27, Township 22 South, Range 37 East, N.M.P.M., Lea County, New Mexico, for combined Acid Gas Injection/Salt Water Disposal (AGI/SWD) service.

Dear _____:

This letter is to advise you that Targa Midstream Services Limited Partnership as operator for Versado Gas Processors, LLC ("Targa") has filed an application on November 8, 2010 with the New Mexico Oil Conservation Division (NMOCD) to inject acid gas into Targa's existing Eunice Gas Plant SWD Well No. 1 (API No. 30-025-21497), which will be recompleted, to serve as a combined acid gas and wastewater injection well. NMOCD previously approved this proposal in NMOCD Order No. R-12809, as modified by Administrative Order SWD 1161. This application makes certain additions to the scope of work to be completed in connection with the recompletion and development of SWD Well No. 1. The Eunice Gas Plant SWD Well No. 1 is located on the South Eunice Gas Plant property located east of the intersection of Lea County Roads 18 and 20 approximately five (5) miles south of Eunice, NM. The well location is more specifically described as 1200 feet from the West line and 2580 feet from the South line of Section 27, Township 22 South, Range 37 East, N.M.P.M., Lea County, New Mexico. A copy of the application is attached.

Targa proposes to modify the Eunice Gas Plant SWD Well No. 1 in a way to ensure safe injection, including: new casing to 4250 feet below ground surface; special, corrosion-resistant fiberglass-lined tubing; a subsurface safety valve; and inert fluid filling the tubing-casing annulus. The proposed injection would be into the San Andres formation through an injection interval from 4,250 feet to 4,950 feet; would have a maximum injection pressure of 1292 psi; and would have a maximum daily injection rate of 4075 barrels per day of injection fluid (comprised of approximately 2500 barrels per day of acid gas and approximately 1575 barrels per day of produced water and wastewater). The recompleted well will receive wastewater from the Middle and South plants in addition to the proposed treated acid gas (TAG) stream.

This application has been assigned Case Number 14575 and is titled: "Application and Notice of Hearing of Targa Midstream Services Limited Partnership as operator for Versado Gas Processors, LLC ("Targa") for approval to inject acid gas" and has been set for hearing before the New Mexico Oil Conservation Commission at 9:00 am on Thursday December 9, 2010 at the Oil Conservation Division's Santa Fe office located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Parties who intend to present evidence at the hearing are required by NMOCD Rule 19.15.4.10 and 19.15.4.13 NMAC to file a Pre-Hearing Statement with the Oil Conservation Division's Santa Fe office, four (4) days in advance of a scheduled hearing, but at least on the Thursday preceding the hearing. This statement must be served on all other parties to the hearing and must include: your name and the name of your attorneys, if any; a concise statement of the case; a statement of the extent to which you support or oppose the application and the order that Targa seeks; the reasons for your support or opposition; the names of all witnesses you will call to testify at the hearing; copies of all exhibits you intend to introduce at the hearing; the approximate time you will need to present your case; and identification of any procedural matters that are to be resolved prior to the hearing.

If you have questions concerning this application, you may contact Mr. Alberto Gutierrez at (505) 842-8000 or Geolex, Inc. 500 Marquette Avenue NW, Suite 1350, Albuquerque, New Mexico 87102 or Mr. William C. Scott, at (505) 848-1824 or Modrall, Sperling, Roehl, Harris & Sisk, PA, 500 4th Street NW, Suite 1000, Albuquerque, NM 87102.

Sincerely,
Geolex, Inc.

Alberto A. Gutiérrez, C.P.G.
President
Consultant to Targa Midstream Services Limited Partnership
AAG/lh

C:\ Projects\10-011\Notices\Surface Owner -Operator Letter.doc

LEGAL NOTICE
November 19, 2010

Application and Notice of Hearing of Targa Midstream Services Limited Partnership as operator for Versado Gas Processors, LLC ("Targa") for approval to inject acid gas, into Targa's existing Eunice Gas Plant Salt Water Disposal (SWD) Well No. 1 (API No. 30-025-21497). Targa proposes to recomplete the well which is located on the South Eunice Gas Plant property located east of the intersection of Lea County Roads 18 and 20 approximately five (5) miles south of Eunice, New Mexico to serve as a combined acid gas and wastewater injection well. The well location is more specifically described as, located at 1200 feet from the West line and 2580 feet from the South line of Section 27, Township 22 South, Range 37 East, NMPM. NMOCD previously approved this proposal in NMOCD Administrative Order SWD 1161, which modified its earlier Order No. R-12809. This application makes certain additions to the scope of work to be completed in connection with the recompletion and development of the well. Targa proposes to modify the Eunice Gas Plant SWD Well No. 1 in a way to ensure safe injection, including: new casing to 4250 feet below ground surface; special, corrosion-resistant fiberglass-lined tubing; a subsurface safety valve; and inert fluid filling the tubing-casing annulus. The proposed injection would be into the San Andres formation through an injection interval from 4250 feet to 4950 feet; would have a maximum injection pressure of 1292 psi; and would have a maximum daily injection rate of 4075 barrels per day of injection fluid consisting of approximately 2500 barrels per day of acid gas and approximately 1575 barrels per day of produced water/wastewater. The recompleted well will receive the wastewater from the Middle and South Plants in addition to the proposed treated acid gas (TAG) stream. Targa may be contacted through its representative, Mr. Alberto Gutierrez, 500 Marquette Ave NW, Suite 1350, Albuquerque, New Mexico 87102 or (505) 842-8000.

This application has been assigned Case Number 14575 and is titled: "Application and Notice of Hearing of Targa Midstream Services Limited Partnership as operator for Versado Gas Processors, LLC ("Targa") for approval to inject acid gas" and has been set for hearing before the New Mexico Oil Conservation Commission at 9:00 am on Thursday December 9, 2010 at the NMOCD's Santa Fe office located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505. Parties who intend to present evidence at the hearing are required by NMOCD Rule 19.15.4.10 and 19.15.4.13 NMAC to file a Pre-Hearing Statement with the Oil Conservation Division's Santa Fe office, four (4) days in advance of a scheduled hearing, but at least on the Thursday preceding the hearing. This statement must be served on all other parties to the hearing and must include: your name and the name of your attorneys, if any; a concise statement of the case; a statement of the extent to which you support or oppose the application and the order that Targa seeks; the reasons for your support or opposition; the names of all witnesses you will call to testify at the hearing; copies of all exhibits you intend to introduce at the hearing; the approximate time you will need to present your case; and identification of any procedural matters that are to be resolved prior to the hearing.

Aplicación y aviso de audencia de Targa Midstream Services Limited Partnership como operadores de Versado Gas Processors, LLC ("Targa") para la aprobación de una aplicación para inyectar gas acido en el Eunice Gas Plant SWD Well No. 1. (API 30-025-21497), localizado en la propiedad de la South Eunice Gas Plant que queda aproximadamente 5 millas al sur de Eunice, NM al este de la intersección de las carreteras 18 y 20 de Lea County, NM. Targa propone la reconstrucción del pozo para servicio de inyección de gas ácido combinado con las aguas residuales . El pozo es ubicado específicamente a 1200 pies de la línea del oeste y 2580 pies de la línea del sur de la sección 27, Township 22 Sur, Range 37 Este, NMPM Esta propuesta fue aprobada anteriormente por NMOCD con la orden SWD-1161 que modifico la orden R-12809. Esta aplicación hace algunas adiciones al ámbito de trabajo que concluirá con la reconstrucción y el desarrollo del pozo. Targa se propone modificar el Eunice Gas Plant SWD Well No. 1 en una forma de asegurar la inyección segura, incluyendo: nueva carcasa a 4250 pies por debajo de la superficie del suelo; especiales y resistentes a la corrosión revestida de fibra de vidrio; una válvula de seguridad subsuelo; y la corona de la carcasa de tubo estará llenada de líquido inerte. La inyección propuesta sería en la formación de San Andrés a través de un intervalo de inyección de 4250 pies a 4950 pies de profundidad. El pozo servirá para inyectar hasta 4075 barriles por día de liquido que consiste de aproximadamente 2500 barriles de gas ácido por día, mezclados con aproximadamente 1575 barriles por día de aguas residuales a una presión máxima de 1292 psi, en la formación del San Andrés, a través de tubería de 27/8", a una profundidad aproximada de 4250 pies a 4950 pies. El pozo se usara para disposición de los gastos liquidos de las plantas Middle y South combinados con gas acido tratado (TAG). Se puede entrar en contacto con Targa a través de su representante, Sr. Alberto Gutierrez, 500 Marquette Ave NW, Suite 1350, Albuquerque, New Mexico 87102 or (505) 842-8000.

Esta aplicación tiene asignado el numero 14575 y esta titulada ""Application and Notice of Hearing of Targa Midstream Services Limited Partnership as operator for Versado Gas Processors, LLC ("Targa") for approval to inject acid gas" y se ha establecido para la audiencia ante la New Mexico Oil Conservation Commission a las 9:00 de la mañana el jueves 9 de diciembre de 2010 en la oficina de Santa Fe de NMOCD situada en 1220 South San Francis Drive, Santa Fe, New México 87505. Se exige a las partes que tienen intención de presentar pruebas en la audiencia por las reglas de NMOCD 19.15.4.10 y 19.15.4.13 NMAC que presenten una declaración con la Oficina de Santa Fe de NMOCD, de cuatro (4) días antes de la audiencia, pero al menos el jueves anterior a la audiencia. Esta declaración tiene que ser servida en todas las demás partes a la audiencia y debe incluir: su nombre y el nombre de sus abogados, si los hubiere; una declaración concisa del caso; una declaración de la medida a la que apoyar o se oponen a la aplicación y el orden que busca Targa; los motivos de su apoyo o la oposición; los nombres de todos los testigos que llamará a declarar en la audiencia; copias de todas las exposiciones que desea introducir en la audiencia; el tiempo aproximado que se tendrá que presentar su caso; e identificación de las cuestiones de procedimiento que deban resolverse antes a la audiencia.

APPENDIX E

RULE 11 PLAN
SUBMITTED OCTOBER 8, 2010

TARGA

HYDROGEN SULFIDE CONTINGENCY PLAN

for

EUNICE PLANT, GATHERING SYSTEM

and

EUNICE AREA ACID GAS PIPELINE

TITLE 19 NATURAL RESOURCES AND WILDLIFE
CHAPTER 15 OIL AND GAS
PART 11 HYDROGEN SULFIDE GAS

VERSADO GAS PROCESSORS, L. L. C.
operated by
TARGA MIDSTREAM SERVICES,
LIMITED PARTNERSHIP

October 6, 2010

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APPENDIX

1. INTRODUCTION

The Eunice Gas Plant (hereinafter the 'Plant') is a natural gas processing plant which handles and/or generates hydrogen sulfide and/or sulfur dioxide; therefore this Hydrogen Sulfide Contingency Plan (H_2S Plan or Plan) has been developed:

1. to satisfy the New Mexico Oil Conservation Division Rule 11;

2. to conform with API "Recommended Practices for Oil and Gas Producing and Gas Processing Plant Operations Involving Hydrogen Sulfide," RP 55; and

3. to create a site-specific hydrogen sulfide contingency plan that outlines the emergency response procedures that will be implemented to ensure a coordinated, efficient and immediate action Plan for alerting and protecting operating personnel and the public as well as to prevent or minimize environmental hazards and damage to property.

The terms used in this Plan are to be used in the same manner as defined in Title 19 Chapter 15 Part II of the New Mexico Administrative code (19.15.11.7- Definitions) unless otherwise defined herein.

1.1 PLANT DESCRIPTION

The Plant is located in Eunice, Lea County, New Mexico and encompasses 20+ acres. It is owned by Versado Gas Processors, LLC and operated by Targa Midstream Services, Limited Partnership.

More specifically, the Plant is located in Section 3, Township 22S, Range 37E in Eunice, Lea County, New Mexico.

1. Plants coordinates are:
   Latitude: 32.425264°N Longitude: -103.147499° W

2. Plants physical address is:
   ¾ miles SE of City
   Eunice, New Mexico 88231

3. Plants mailing address is:
   P. O. Box 1909
   Eunice, New Mexico 88231

4. Driving Directions from Eunice, New Mexico to the Plant:
   From the intersection of Main Street and Texas Avenue (New Mexico Highway 176), travel east on Highway 176 (approximately 0.6 miles) to the intersection of US Hwy 176 and County Road 18 (Middle Plant Lane) in Eunice, New Mexico. Turn right onto

County Road 18 and travel south approximately 0.6 mile to the entrance to the Eunice Gas Plant.

The location of the Plant in relation to the city of Eunice is illustrated herein on Figure 1.

Figure 1
Eunice Gas Plant

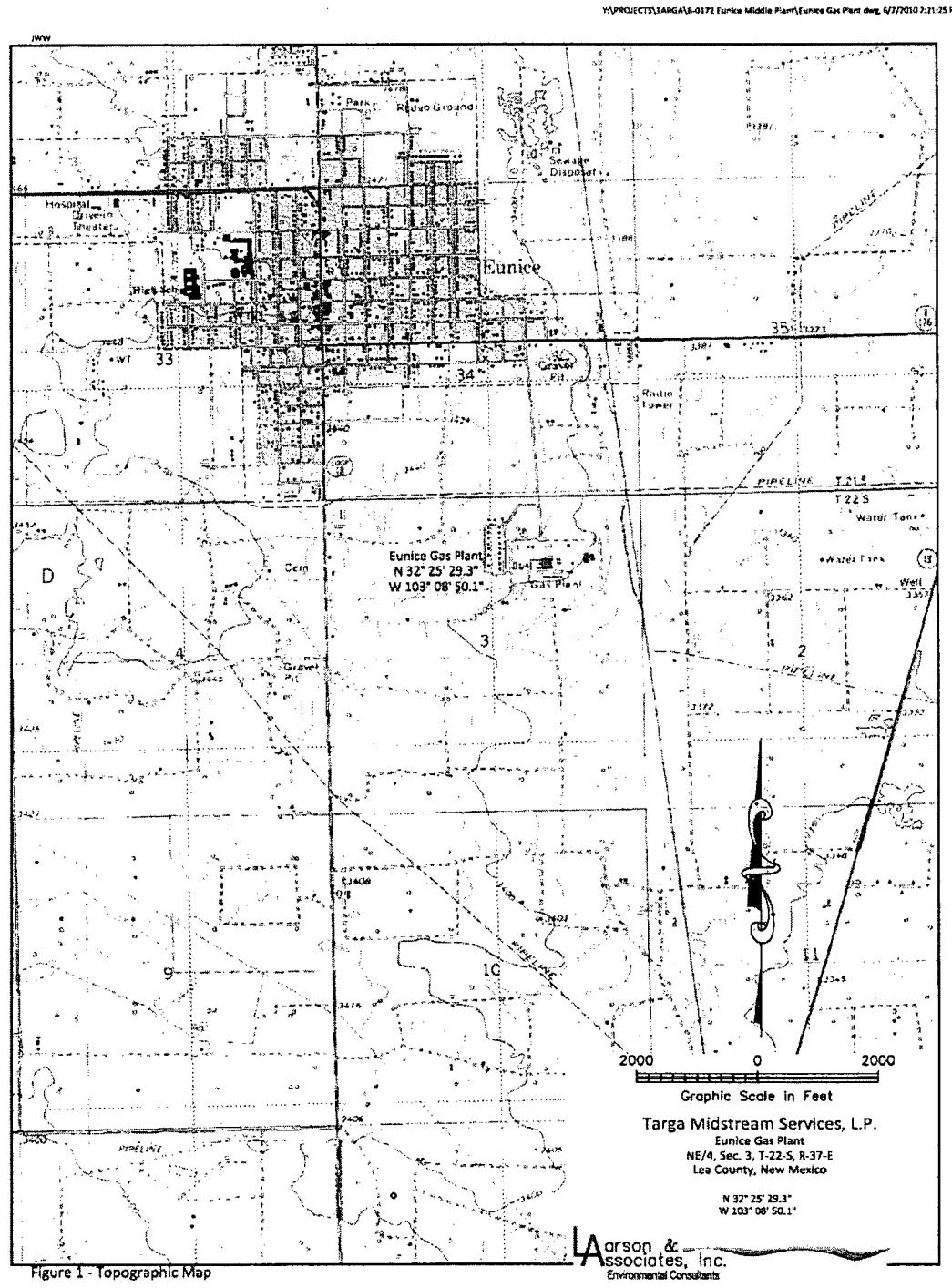


Figure 1 - Topographic Map

1.2 ACID GAS INJECTION & MAP

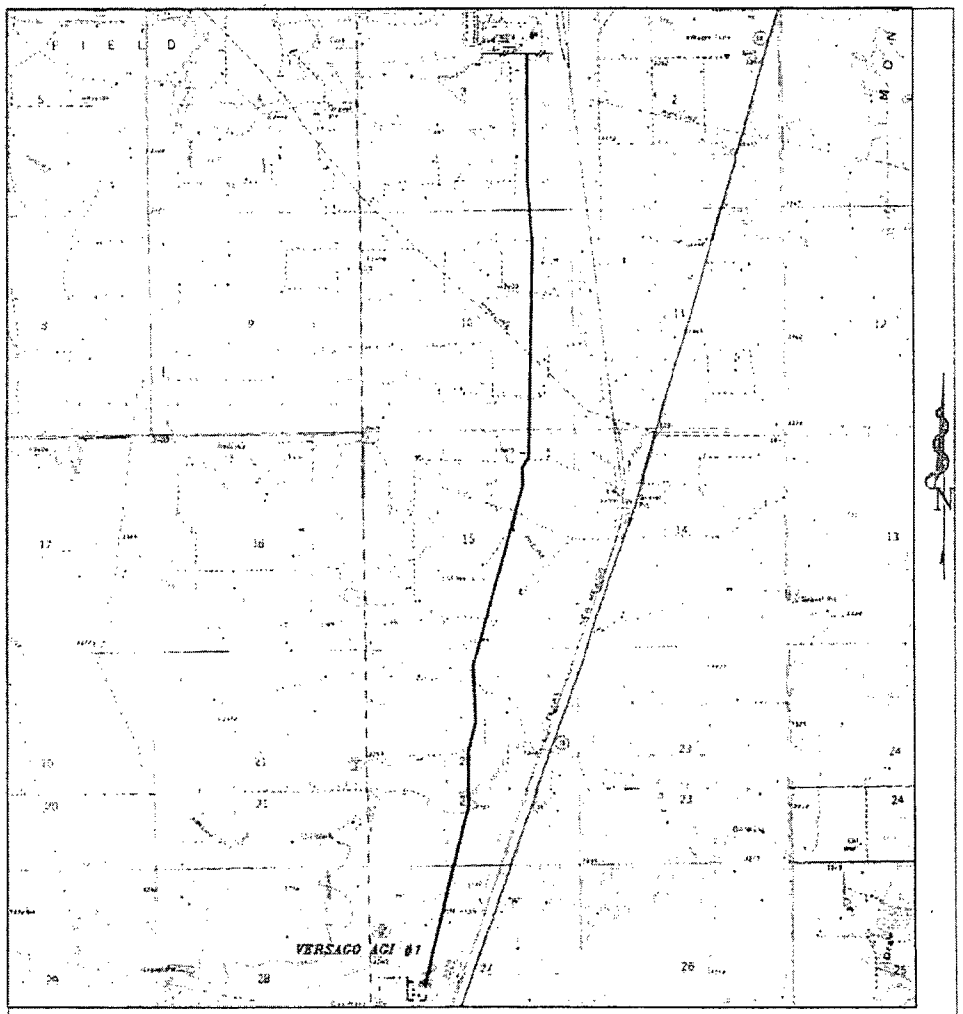
The Eunice Acid Gas Injection line is located in Lea County, New Mexico. The acid gas line encompasses approximately 4.5 mile corridor of privately owned land. A 100 foot wide easement for line installation has been established. The acid gas injection line is owned by Versado Gas Processors, LLC and operated by Targa Midstream Services, LP.

The acid gas pipeline is located in Sections 3, 10, 15, 22 and 27, Township 22 South, Range 37 East, Lea County, New Mexico.

The acid gas injection well is located 1200 feet from the west line and 2580 feet from the south line, Unit L of Section 27, Township 22 south, Range 37 east, NMPM, Lea County, New Mexico.

The location of the Plant and Acid Gas Pipeline is illustrated herein on Figure 2.

Figure 2
Eunice Gas Plant &
Acid Gas Pipeline



EUNICE ACID GAS LINE
Sections 3,10,15,22&27, Township 22 South, Range 37 East, N.M.P.M., Lea County, New Mexico.

basin surveys
focused on excellence in the oilfield
P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(505) 393-7316 - Office
(505) 392-3074 - Fax
basinsurveys.com

W.O. Number: JMS 19950
Survey Date: VARIES
Scale: 1" = 3000'
Date: 07-11-2008

TARGA RESOURCES

1.3 DESCRIPTION OF OPERATIONS

1. The Plant operations include gas processing, conditioning and compression, as well as flow lines and storage tanks. The Plant gathers and processes produced natural gas from Lea and Eddy Counties, New Mexico. Once gathered at the Plant, the produced natural gas is compressed; treated in an amine process for the removal of carbon dioxide and hydrogen sulfide; and dehydrated to remove the water content. The processed natural gas and recovered gas liquids are sold and shipped to various customers.

2. Because the natural gas that is gathered at the Plant contains hydrogen sulfide, it must be treated or processed to remove these and other impurities. The carbon dioxide and hydrogen sulfide (H_2S) stream that is removed from the natural gas in the amine treating process is compressed to approximately 50 psi and is sent via a high density 16" polyethylene which is inserted into a 22" poly line.

3. The Plant is in the process of installing an acid gas injection (AGI) well to accommodate disposal of the acid gas stream generated by existing operations, therefore permanently shutting down the Sulfur Recovery Unit and its permitted air emissions. The operation generates approximately 5 mmcf/d of acid gas for disposal, which consists of approximately 15% H_2S and 85% carbon dioxide.

1.4 DESCRIPTION OF ACID GAS PIPELINE OPERATIONS

1. The acid gas stream is received at the well site (located at the South Eunice Compressor Station about 5 miles south of the Plant) where it mixed with water and is further compressed to 1200 psi for injection. This is accomplished by using an electric driven, reciprocating compressor.

2. The acid gas is injected into the San Andres Formation at a depth of 4450 feet to 5000 feet below the surface. The wellbore is constructed with 3 casing strings, all with cement circulated to the surface. The acid gas well is permitted under Division Order No. R-12809 and Administrative Order SWD-1611.

3. An air blower will move air through the pipeline annulus (which is the between the outside of the 16" and inside of the 22" poly lines) from the acid gas compressor toward the Plant where a fixed H_2S detector is located to detect any leaks from the inner pipe. This detector system alarms in the Eunice Plant Control Room which is manned 24 hours a day.

4. An ESD Valve located at the inlet of the Pipeline and another one at the compressor and injection well end which can be remotely operated from the Eunice Plant Control Room in case of emergency. There are also remotely activated valves at the Compressor/Injection Site to move any gas from the pipeline to a Flare for safe removal in an emergency.

5. There is a subsurface safety valve (SSSV) on the injection well located below ground to isolate the down hole well contents in case of an emergency.

6. The acid gas compressor area is equipped with a fixed H_2S detector system which alarms in the Eunice Plant Control Room which is occupied 24 hours a day.

7. The pipeline ROW has warning signs containing the words "poison gas" to warn the public that a potential danger exists.

8. The compressor/injection area is protected from public access with chain link fencing.

9. Wind direction indicators known as wind socks are located at the compressor/injection site so that it is visible from all principal working areas at all times.

2. THE PLAN

2.1 RESPONSIBILITY FOR CONFORMANCE WITH THE H_2S PLAN

It is the responsibility of all personnel on-site to follow the safety and emergency procedures outlined in the Hydrogen Sulfide Contingency Plan (the H_2S Plan) as well as the following documents:

- Targa Midstream Safety & Health Manual;
- Targa Midstream Eunice Plant Emergency Response, Groundwater Discharge Plan and Oil Spill Contingency Plan; and
- Targa Midstream Environmental Policies and Programs.

2.2 REVISIONS TO THE PLAN

The H_2S Plan will be reviewed annually and revised as necessary to address changes to the Plant facilities, operations, or training requirements, contact information and the public areas including roads, businesses, or residents potentially affected by the operations of the Plant, specifically those areas within the radii-of-exposure.

2.3 AVALABILITY OF THE H_2S PLAN

The H_2S Plan shall be available to all personnel responsible for implementation, regardless of their normal location assignment. A copy of the Plan will be maintained at the Plant in the Area Manager's office, control room and all Plant Supervisors. See Appendix A for the H_2S Distribution List, which lists all the additional entities that have been provided a copy of the H_2S Plan.

2.4 CONTENT OF THE PLAN

At a minimum, the H_2S Plan will contain information regarding:

1. The emergency procedures to be followed in the event of an H_2S or SO_2 release that may pose a threat to the Plant, public or public areas;
2. The characteristics of H_2S and SO_2;
3. A facility description, map and/or drawings; and
4. Information regarding training and drills to be conducted related to this Plan.

3. PLAN DESIGN CONSIDERATIONS

3.1 CHARACTERISTICS OF H_2S, SO_2 AND CARBON DIOXIDE

3.1.1 Hydrogen Sulfide (H_2S)

The proposed inlet gas streams into the Plant will contain approximately 6,000 ppm (or 0.60 mole percent) of hydrogen sulfide based on data generated from the sampling of the inlet gas on September 28, 2010.

Hydrogen sulfide is a colorless, toxic and flammable gas, and has the odor of rotten eggs. Hydrogen sulfide gas is heavier than air.

Hydrogen sulfide presents a significant health hazard by paralyzing the respiratory system resulting in serious injury or death.

Hydrogen Sulfide Properties & Characteristics	
CAS No.	7783-06-4
Molecular Formula	H_2S
Molecular Weight	34.082
TWA	10 ppm
STEL	15 ppm
IDLH	100 ppm
Specific Gravity (air = 1.0)	1.189
Boiling Point	-76.5°F
Freezing Point	-121.8°F
Vapor Pressure	396 psia
Auto Ignition Temperature	518°F
Lower Flammability Limit	4.3%
Upper Flammability Limit	46.0%
Stability	Stable
pH in Water	3
Corrosivity	Reacts with metal, plastics, tissues & nerves

Physical Effects of Hydrogen Sulfide		
Concentration		**Physical Effect**
ppm	**%**	
1	.00010	Can be smelled (rotten egg odor)
10	0.0010	Obvious & unpleasant odor; Permissible Exposure Limit; Safe for 8-hour exposure
15	0.0015	Short Term Exposure Limit (STEL); Safe for 15 minutes of exposure without respirator
50	0.0050	Loss of sense of smell in 15 minutes
100	0.0100	Immediately Dangerous to Life & Health (IDLH); Loss of sense of smell in 3-15 minutes; Stinging in eyes & throat; Altered breathing
200	0.0200	Kills smell rapidly; Stinging in eyes & throat
500	0.0500	Dizziness; Unconscious after short exposure; Need artificial respiration
700	0.0700	Unconscious quickly; death will result if not rescued promptly
1,000	0.1000	Instant unconsciousness; followed by death within minutes

3.1.2 Sulfur Dioxide (SO_2)

Sulfur dioxide is produced as a by-product of H_2S combustion. The waste gas stream consisting of hydrogen sulfide and carbon dioxide is routed to the plant acid gas flare during abnormal conditions when the acid gas injection equipment is out of service. Waste gas is routed to the acid gas flare during maintenance operations.

It is colorless, transparent, and is non-flammable, with a pungent odor associated with burning sulfur.

Sulfur dioxide is heavier than air, but will be picked up by a breeze and carried downwind at elevated temperatures. Sulfur dioxide can be extremely irritating to the eyes and mucous membranes of the upper respiratory tract.

Sulfur Dioxide Properties & Characteristics	
CAS No.	7446-09-5
Molecular Formula	SO_2
Molecular Weight	64.07
TWA	2 ppm
STEL	5 ppm
IDLH	100 ppm
Specific Gravity (air = 1.0)	2.26
Boiling Point	14°F
Freezing Point	-103.9°F
Vapor Pressure	49.1 psia
Auto Ignition Temperature	N/A
Lower Flammability Limit	N/A
Upper Flammability Limit	N/A
Stability	Stable
Corrosivity	Could form an acid rain in aqueous solutions

Physical Effects of Sulfur Dioxide	
Concentration	**Effect**
1 ppm	Pungent odor, may cause respiratory changes
2 ppm	Permissible exposure limit; Safe for an 8 hour exposure
3-5 ppm	Pungent odor; normally a person can detect sulfur dioxide in this range
5 ppm	Short Term Exposure Limit (STEL); Safe for 15 minutes of exposure
12 ppm	Throat irritation, coughing, chest constriction, eyes tear and burn
100 ppm	Immediately Dangerous To Life & Health (IDLH)
150 ppm	So irritating that it can only be endured for a few minutes
500 ppm	Causes a sense of suffocation, even with first breath
1,000 ppm	Death may result unless rescued promptly.

3.1.3 Carbon Dioxide

The current inlet gas streams to the Plant contain approximately 3.8% carbon dioxide based on an inlet sample collected on September 28, 2010.

Carbon dioxide gas is colorless, odorless, and non-flammable. Carbon dioxide is heavier than air.

Carbon Dioxide Properties & Characteristics	
CAS No.	124-38-9
Molecular Formula	CO_2
Molecular Weight	44.010
TWA	5,000 ppm
STEL	30,000 ppm
IDLH	40,000 ppm
Specific Gravity (air = 1.0)	1.5197
Boiling Point	-109.12°F
Freezing Point	-69.81°F
Vapor Pressure	830 psia
Auto Ignition Temperature	N/A
Lower Flammability Limit	N/A
Upper Flammability Limit	N/A
Stability	Stable
pH in saturated solution	3.7
Corrosivity	dry gas is relatively inert & not corrosive; can be corrosive to mild steels in aqueous solutions

Physical Effects of Carbon Dioxide	
Concentration	**Effect**
1.0 %	Breathing rate increases slightly
2.0 %	Breathing rate increases to 50% above normal level. Prolonged exposure can cause headache, tiredness
3.0 %	Breathing rate increases to twice normal rate and becomes labored. Weak narcotic effect. Impaired hearing, headache, increased blood pressure and pulse rate
4 – 5 %	Breathing increases to approximately four times normal rate, symptoms of intoxication become evident, and slight choking may be felt
5 – 10 %	Characteristic sharp odor noticeable. Very labored breathing, headache, visual impairment, and ringing in the ears. Judgment may be impaired, followed within minutes by loss of consciousness
10 – 100 %	Unconsciousness occurs more rapidly above 10% level. Prolonged exposure to high concentrations may eventually result in death from asphyxiation

3.2 RADII OF EXPOSURE (ROE)

For the existing operations, the Radius of Exposure for both 500-ppm and 100-ppm of H_2S gas was determined using the The Pasquill-Gifford derived equation, as defined by NMAC, which uses the maximum daily rate of the gaseous mixture that is handled by the Plant.

The rates and other variables used to calculate the ROE is discussed in greater detail in **Appendix B - ROE calculations. Also refer to Appendix C - map showing 500-ppm ROE and the 100-ppm ROE.**

500 ppm ROE – public road	**2,900 feet**
300 ppm ROE	**4,033 feet**
100 ppm ROE – public area	**6,346 feet**

4. EMERGENCY ACTION PROCEDURES

4.1 EMERGENCY RESPONSE ORGANIZATION

The Plant uses the Incident Command System (ICS) for emergency response. The ICS structure used is based on the National Interagency Incident Management System (NIIMS), and is consistent with the National Contingency Plan (NCP).

In the event of an accidental release that results in the activation of the H_2S Plan and all personnel have been evacuated out of the affected area, the Area Manager, or his designee, will be the On-Scene Incident Commander (IC in this Plan). Upon notification of an emergency the Area Manager or his relief will serve as the Field Incident Commander (FIC). Under certain conditions, the New Mexico State Police responding to the emergency may elect to assume the position of FIC or they may establish a Unified Command of which the Targa Area Manager may be a key member. The responsibility of the FIC is to ensure control of the emergency incident. The IC will contact and coordinate with Targa's management in corporate office.

The Area Manager or his designee shall determine:

1. Plant Shutdowns;
2. Isolation of pipeline segments; and
3. Repairs, tests or restarts as required.

If an emergency occurs, the Area Manager, or his designee, shall be notified first. The Area Manager, or his designee, shall notify Targa's Office in Midland, Texas. If any person in this chain of command is unavailable, the Targa employee shall elevate the communication to the next level.

4.2 EMERGENCY RESPONSE

This section explains the procedures and decision to be used in the event of an H_2S release; much of which has been pre-determined to ensure a coordinated, efficient and immediate action Plan for alerting and protecting operating personnel and the public as well as to prevent or minimize environmental hazards and damage to property.

4.2.1 Objective

All Area employees shall be prepared to respond to an H_2S or SO_2 emergency at the Plant and Pipelines. Emergency response actions may be taken for a variety of situations that may occur in the Plant. The Plan is activated in based on the concentration of H_2S that has been released.

- Plant - Emergency alarm sounded and/or flashing red beacons activated for H_2S greater than 10 ppm,

- 100 ppm in any public area, or
- 500 ppm at any public road, or
- When a 100 ppm ROE is greater than 3,000 feet from the site of the release.

As soon as the Plan has been activated based on the criteria above, the Area Manager, or his designee, shall be notified. In the absence of the Area Manager or his relief the Targa employee (first responder) at the site shall assume the role of FIC and determine whether or not to activate the Contingency Plan. It is the responsibility of the FIC to ensure control of the emergency response management system and if necessary to coordinate these efforts with any state or local emergency plans.

4.2.2 Evacuation and Emergency Assembly Areas

Evacuation to the assembly point for all visitors and Plant personnel begins when the emergency alarm is activated. After assembly, if necessary the Plant operators are to put on the 30-min SCBA to rescue any personnel that are in distress and assist any distressed personnel in evacuating to Emergency Assembly Area 1.

Emergency services (911) will be contacted if there are injuries or as otherwise deemed necessary. The operators will then, wearing the SCBA, investigate the cause of the release. At the sound of the alarm and/or flashing red beacons, all other personnel in the Plant are to stop work, check the prevailing wind direction and immediately proceed along designated evacuation routes and/or upwind to the pre-designated Emergency Assembly Area (Main Office Building) as shown in Appendix D.

Prevailing winds for the area are from the south. Personnel should evacuate along the designated route unless the designated evacuation route is downwind of the release (based on the windsock), then all evacuees should proceed upwind to the Emergency Assembly Areas.

The Plant and acid gas pipeline show evacuation routes to be determined on wind direction and windsocks.

Emergency Assembly Area
Main Office Building of the Plant
See Appendix D

Roll call shall be conducted at the Emergency Assembly Area to assure all personnel have evacuated safely. This facility requires all visitors check in before entering the Plant, thus the check-in sheet will be used at the Emergency Assembly Areas to make a full accounting of all personnel and visitors.

4.2.3 Immediate Action Plans/Initial Responses

Targa Plant Operators are authorized to elevate the level of response based on observed conditions if a lower level response may not be effective in protecting personnel, the public or the environment.

The following outlines the immediate action Plan. This is to be used when responding to an H_2S release occurring at the Plant, acid gas pipeline or the acid gas well. Additional or long term response actions will be determined on a case-by-case basis, if needed, once the Incident Command Center and System is established following the immediate response.

Some steps may be taken simultaneously.

A. Request assistance, if needed.
    1. Alert and account for facility personnel
    2. Move away from the source and get away from the affected area
    3. Don personal protective breathing equipment
    4. Alert other affected personnel
    5. Assist personnel in distress
    6. Proceed to the designated emergency assembly area
    7. Account for on-site personnel

B. Take immediate measures to control the presence of or potential H_2S discharge and to eliminate possible ignition sources. Emergency shutdown procedures should be initiated as deemed necessary to correct or control the specific situation. When the required action cannot be accomplished in time to prevent exposing operating personnel or the public to hazardous concentrations of H_2S, proceed to the following steps, as appropriate for the site-specific conditions.

C. Alert the public (directly or through appropriate government agencies) that they may be subjected to an atmosphere exceeding 30 ppm of H_2S. Initiate evacuation of those within the exposure area.

D. Contact the Area Manager or first available person on the call list. Notify them of the circumstances and whether or not immediate assistance is needed. The Area Manager should notify (or arrange for notification of) other supervisors and other appropriate personnel (including public officials) on the call list, as necessary.

E. Cordon off the exposure area to prevent entry, make recommendations to public officials regarding blocking unauthorized access to the unsafe area, and assist as appropriate. Make recommendations to public officials regarding evacuating the public and assist as appropriate.

F. Notify, as required, state and local officials and the National Response Center to comply with release reporting requirements.

G. Monitor the ambient air in the area of exposure (after following abatement measures) to determine when it is safe for re-entry.

H. Return the situation to normal.

4.2.4 Expansion on Immediate Action Plan

The following discussion expands on the emergency actions in the order in which they were previously listed. Ideally, some of these actions, after the first, will be performed simultaneously. There may be situations where actions must be performed in a different sequence from those listed. The employee first knowing about the potential hazard (First Responder) will take the first action(s). Subsequent actions will generally be taken by or assisted by those dispatched to help.

A. <u>Request Assistance if Needed</u>

Any employee who finds himself in an emergency situation involving the escape of hydrogen sulfide gas that would pose a hazard to the public shall notify the Area Manager, or his designated alternate, by the fastest means. The employee will advise the Area Manager, or alternate, of the location and nature of the emergency and the assistance needed. He will also state the actions taken and those he will be taking while waiting for assistance. The Area Manager is directly responsible for requesting the assistance needed. He will also proceed with the appropriate notifications. Please refer to Appendix B of this Plan for a list of emergency telephone numbers.

B. <u>Stop the Escape of Hydrogen Sulfide</u>

Isolate the leak by closing the upstream and downstream valves. If necessary, initiate emergency shutdown (ESD) procedures for the equipment.

C. <u>Alert the Public and Evacuate Those Within the Exposure Area</u>

Alert all persons who are within the exposure area. Refer to the map and list of ROEs in Appendix C. In the event a leak causes a potentially hazardous volume public, notification must be made immediately by the employee who discovers (or arrives first at the leak site) and judges the situation serious enough to require immediate evacuation. If it is determined that the notification proceeding shall not be immediate, the Area Manager is the designated employee to initiate evacuations. Whether by the first person at the scene or by the Area Manager, notification to the public shall be made by the fastest possible means.

In the event that complete or partial evacuation becomes necessary, evacuation must be confirmed by personal observations, which should include repeat visits to the area to confirm that persons have not entered the evacuated area. If evacuation is deemed

prudent, advise persons and/or assist them to leave the area without delay by the fastest, safest route out of the exposure area. In populated areas such as the City of Eunice, evacuations will be conducted by city officials with the aid of Targa employees, if requested.

- First, evacuation should be from the 500 ppm exposure area, giving priority to the downwind position.
- Next, evacuate those within the potential exposure area, giving priority to the downwind position.
- Monitor ambient hydrogen sulfide concentrations in adjacent areas to ensure that any exposed residents are evacuated.
- Always wear a breathing apparatus.

D. Contact the Area Manager

The Targa employee (first responder) responding to or receiving notification of an emergency situation shall immediately proceed to the location and attempt to assess the situation, notify the Area Manager or his relief, and take the following actions:

- Provide the Area Manager with as much data possible concerning the location, the extent of emergency and need for additional assistance.
- Warn others in the area of situation, evacuate if necessary.
- Remain at the site, at a safe distance, and available for communication. Wait for assistance to arrive before attempting to enter into any potentially hazardous area.
- Initiate rescue and first aid as the situation dictates.

E. Cordon off the Exposure Area to Prevent Entry and/or Make Barricade and Evacuation Recommendations

Place barricades outside the area of exposure on all routes to prevent entry into the area. Barricades must be manned by Targa and/or law enforcement personnel to prevent entry. The persons manning the barricades must be equipped with a protective breathing apparatus, hydrogen sulfide measuring devices, and two-way radios or cell phones. Barricades should be placed a safe distance away from the potential exposure area and should be monitored for Hydrogen Sulfide.

Based on all information available and the calculated potential exposure information listed in Appendix B, make recommendations to public officials for the strategic placing barricades, for evacuating the public, and assist as needed. Priority should be given to those areas in the 500 ppm radius of exposure, then the 100 ppm radius of exposure, with consideration given to the wind direction. Proper caution should be used for shifting changes in wind direction.

F. Complete Notifications as Required

Generally, some notifications will have been made under Steps A or D. Any of the following notifications that were not made must be made as soon as possible. Normally the Region ES&H Advisors will complete the agency notifications.

- Complete the chain of notification within the company.
- The local public safety officials not already notified who need to be aware of the situation.
- New Mexico Oil Conservation Division – Notification to the OCD should be made as soon as possible, but must be made no more than 4 hours after a Plan evacuation. A full report of the incident must be submitted to the Division on Form C-141 no later than 15 days following the release.
- Environmental Protection Agency Regional Office.

G. Monitor for Safe Re-entry

As soon as the complete and permanent stoppage of the release is confirmed, begin monitoring evacuated areas for hydrogen sulfide and combustible gas concentrations. Monitor the ambient air in the area of exposure only after following abatement measures, to determine when it is safe for re-entry.

H. Return of the Situation to Normal

No re-entry will be allowed until ambient conditions have been assessed and verified. Communications for re-entry should be coordinated through the Area Manager assuming the role of Field Incident Commander (FIC). When total absence of hydrogen sulfide and combustible gas is confirmed throughout the evacuated area, notify the sheriff's office so that they may be informed of the situation. Advise all parties previously notified that the emergency has ended.

4.2.5 Post-Emergency Actions

In the event this plan is activated, the following post-emergency actions shall be taken in an effort to reduce the possibility of a recurrence of the type of problem that required its activation and to assure that any future activation will be as effective as possible:

- Clean up, recharge, restock, repair, and replace emergency equipment, as necessary, and return it to its original location.
- Critique all actions and procedures, providing additional training to employees if need is indicated. Modify contingency plan, if necessary.
- Review the cause of the emergency and modify operating maintenance and other surveillance procedures, if needed.

- Ensure all agency notifications have been completed and follow-up with any written notification requirements.

- Ensure all previously notified or evacuated persons have been advised that the emergency situation has ended.

4.3 EMERGENCY SHUT DOWN SYSTEM

The Plant, acid gas pipeline and acid gas well have extensive Emergency Shut Down (ESD) and Process Shutdown (PSD) systems designed to isolate and out-going gas and product streams, contain hydrocarbon and H_2S releases, and safely depressurize equipment to flares. There systems are automatically and manually initiated, depending on process conditions. There are manually activated ESD buttons located at exit locations at the Plant and the acid gas well. A diagram is presented in Appendix D.

4.4 NOTIFICATION AND REPORTS

The Plant has various notification and reporting obligations. Some are related to its state air quality permit that is overseen by New Mexico Environmental Department (NMED) as well as well as state and federal spill reporting obligations. In addition to the regulatory obligations noted above, Plant personnel also have internal and external notification and reporting obligations associated with the activation of this Plan.

The New Mexico Oil Conservation Division (NMOCD) will be notified as soon as possible but no later than 4 hours following a release of H_2S requiring activation of this Plan. This shall be followed up with a full report of the incident using the NMOCD's C-141 form, no later than 15 days following the release.

4.4.1 Discovery and Internal Reporting

All Plant personnel who perform operations, maintenance and/or repair work within the Plant, acid gas pipeline and acid gas well must wear H_2S monitoring devices to assist them in detecting the presence of unsafe levels of H_2S. When any personnel, while performing such work, discovers a leak or emission release they are to attempt to resolve the issue as long as H_2S levels remain below 10 ppm. The personal monitoring devices they wear will give off an audible alarm at 10 ppm.

If the response action needed to resolve the issue is more than simply closing a value or stopping a small leak, personnel shall notify the Area Manager, or his designee and convey, at a minimum, the following information:

- Name, telephone number, and location of person reporting the situation; and

- Type and severity of the emergency; and

- Location of the emergency (area/block, mile markers, latitude & longitude, or building), and the distance to surrounding equipment and/or structures; and

- The cause of the spill or leak, name and quantity of material released, and extent of the affected area including the degree of environmental hazard; and

- Description of injuries and report of damage to property and structures; and

- Initiate and maintain a Chronological Record of Events log. This record should record the time, date, and a summary of the event.

If personnel detect H_2S levels greater than 10 ppm either as a result of his/her personal monitoring device or hearing the emergency alarm, Plant operators are to contact their immediate supervisor for assistance and put on the 30-min SCBA for rescue if necessary.

All non essential persons shall be notified of the release and evacuated from the area. Responding operators wearing the SCBAs are to first assist any persons requiring assistance during the evacuation, then attempt to resolve the issue. The Plant operator is then responsible for notifying the Area Manager or his designee so that the IC system can be implemented and H_2S Plan activated if necessary.

Once the Area Manager is contacted, he or his designee is to notify the appropriate corporate management, EHS personnel, Plant emergency response personnel, and advise them of the existing emergency situation. Corporate management will then conduct the reporting up that is necessary based on the situation.

Plant personnel are to advise any contractor, service company, and all others on-site or attempting to enter the Plant that the H_2S Plan has been activated.

4.5 PUBLIC AWARENESS AND COMMUNICATION

Public awareness and communication is a primary function of the H_2S Plan. The Company has compiled a list of various public, private, state and local contacts that are to be notified at various phases during the activation of the Plan. Refer to the Emergency Notification List in Appendix E that indicates when certain entities are to be contacted in event of activation of this Plan.

Company will inform all state and local response organizations of its Plan as well as those businesses that fall within its 500-ppm and 100-ppm ROE as illustrated in Appendix C.

4.5.1 Public Areas, Nearby Businesses and Residents

The contact information for local and state agencies and contractors is contained in Appendix F. All entities within the 500 ppm and 100 ppm radius of exposure will be contacted by Plant personnel as designated by Area Manager if the Plan is activated and based on response level as described in the Immediate Action Plan and advised of the following:

- The nature and extent of the release/emergency at the Plant, acid gas pipeline or acid gas well and recommendations for protective actions, such as evacuation or shelter-in-place;
- Any other event specific information that is necessary to protect the public; and
- Updates as to the status of the release and continued safety measures to be taken, including but not limited to when to evacuate and/or when it is safe to return to the area.

4.5.2 Residences or Public Roads

Public County Road 176 and HWY 18 are within the 100 ppm radius of exposure, along with several county and lease roads. Several residences are included within the 100 ppm radius of exposure.

4.5.3 Businesses or Other Public Areas

All businesses included within the ROE will be provided with a copy of the H_2S Plan and will be contacted about participation when local emergency response training events or drills occur.

Due to the overlapping nature of the radius of exposures for the plant, pipeline and acid gas well, all residences, manned and unmanned businesses and producers will be notified if the Plan is enacted.

4.6 SITE SECURITY

A. In order to have an accurate listing of all personnel on-site in the event of an emergency, a daily sign-in log sheet shall be utilized. The sign-in log sheet shall include at a minimum the person's name, the company name, the time of arrival, and the time of departure.

B. The Incident Commander shall be responsible to assure that all personnel sign-in upon arrival and sign-out upon departure from the job site.

C. The Incident Commander may at his discretion assign the responsibilities for the daily sign-in log sheet to the individual designated as the Record Keeper or another designee.

D. At the discretion of the Incident Commander, a security coordinator and/or a security team may be established, and the access to the job site restricted.

E. Road blocks will occur as outlined in the Response Level detail for the Plant, road crossing, pipeline, or acid gas well sites.

4.7 SIGNS & MARKERS

The Plant, acid gas pipeline and acid gas well have numerous warning signs indicating the presence of H_2S/Poisonous Gas and high pressure gas at the entrance to the Plant, along the pipeline right away, acid gas well and road crossings. Emergency response phone numbers are posted at the entrance to the Plant and acid gas well. Acid gas pipeline markers also include emergency response numbers.

Signs are located at the Plant and acid gas well gate entrances indicating that all visitors are to sign in at the Plant office.

4.8 FIRST AID STATION

The first aid station will be located at the Emergency Assembly Area.

FIRST AID KITS are located:
Plant Office Building **Maintenance/Safety Office Building** **Each Company Vehicle**

4.9 MEDIA SITE

At no time shall any unescorted representative from the media be allowed any closer to the Plant, acid gas pipeline, or acid gas well than cold zone location, unless approved by the Incident Commander and the Safety Officer has approved their entry.

Media personnel shall not be allowed to enter Targa Midstream property without the approval of Targa Midstream Area Manager or his designee, and shall be escorted by Targa Midstream personnel at all times.

All media inquiries should be directed to Corporate Communications in Houston. The FIC or his designee will provide Corporate Communications with periodic updates and will take their direction with regard to any onsite communication with the media.

5. TRAINING/DRILLS/EDUCATION

5.1 TRAINING

Targa recognizes that the most critical portion of this plan is Emergency Procedures. To ensure the most effective implementation of these procedures, pre-emergency measures shall be completed to attain a state of preparedness. These actions are as follows:

- Every employee is to be completely familiar with the contents and location of the contingency plan.
- Surveillance and preventative maintenance to minimize the possibility of an accidental release of gas.
- Training and drills will be conducted as further described below.
- All emergency breathing equipment is maintained and ready for use.
- This Plan is made available to appropriate public response officials and shall be reviewed and discussed thoroughly with the City of Eunice emergency response officials.
- Targa will use brochures, public notices, or other means, as deemed appropriate and practical, to alert and educate any persons who reside within the potential areas of exposure.

All training records for the Plant are maintained at the Plant. The following is a limited list and summary of the training programs that relate to the H_2S Plan and Emergency Response:

Plant Orientation Training - All Plant personnel, visitors, and contractors must attend a Plant overview orientation prior to obtaining permission to enter the Plant. A refresher course on this training is required annually for all persons. This training also complies with the requirements of the Targa Safety Standards Manual.

Hydrogen Sulfide and Sulfur Dioxide Training – All Plant personnel receive annual refresher training on hydrogen sulfide and sulfur dioxide, which is conducted by the Targa Training Group. If an individual is unable to attend, they may be required to attend a third party training session. All contract employees and visitors are required to have had hydrogen sulfide training and to provide the Plant a copy of their certification card prior to obtaining permission to enter the Plant.

Respirators - All Plant personnel are trained annually on the proper use of SCBA respirators. In addition to the annual training, all Plant personnel are fit tested annually on the respirators per OSHA Rules.

Hazard Communication - All Plant personnel are trained annually on Hazard Communication and SARA Title III Right-to-Know information. The annual training includes, at a minimum, a review of material safety data sheets (MSDS) for those materials that are present at the Plant and labeling.

Personal Protective Equipment (PPE) - All Plant personnel are trained annually on the Targa requirements for personal protective equipment (PPE). The training includes, at a minimum, a review of all the types and levels of personal protective equipment and how to select the correct equipment for the job.

5.2 EMERGENCY RESPONSE DRILLS

The Plant will conduct, at least, a tabletop drill annually. Multiple drills during the year may be scheduled at the discretion of the Area Manager or as part of the Emergency Response Agencies.

The annual drill will exercise this Plan and include, at a minimum, contacting the entities that are identified as being within the 500-ppm ROE and the Local Emergency Response contacts. The drills will also include briefing of public officials on issues such as evacuation or shelter-in-place plans.

Drill training will be documented and those records will be maintained at the Plant. The documentation shall include at a minimum the following:

- Description or scope of the drill, including date and time;
- Attendees and Participant to the drill;
- Summary of activities and responses; and
- Post drill de-brief and reviews.

100-ppm ROE = 6346 feet

Appendix A — *H_2S Plan Distribution List*

New Mexico Oil & Gas Conservation Division

New Mexico Department of Public Safety

Eunice Fire Department

Lea County LEPC

Eunice Police

Eunice Gas Plant Supervisors

Control Room

Acid Gas Well Building and Location

Targa Midstream Office (Midland, TX)

The formulas for calculating the two ROEs (as specified by OCD Rule 118, Pasquill-Gifford Equation) are as follows:

500-ppm RADIUS OF EXPOSURE CACULATION

$$X = [(0.4546)(\text{hydrogen sulfide conc.})(Q)]^{(0.6258)}$$

100-ppm RADIUS OF EXPOSURE CACULATION

$$X = [(1.589)(\text{hydrogen sulfide conc.})(Q)]^{(0.6258)}$$

Where:

X = Radius of exposure in feet

Hydrogen Sulfide Concentration = Decimal equivalent of mole or volume fraction of hydrogen sulfide in the gaseous mixture

Q = Escape rate expressed in cubic feet per day (corrected for standard conditions of 14.73 psi absolute and 60 degrees Fahrenheit)

- For existing facilities or operations, the escape rate (Q) is the maximum daily rate of the gaseous mixture produced or handled or the best estimate thereof. For the Eunice Plant, after the installation of the AGI well, the Company is using for contingency planning purposes an "escape rate" equal to the anticipated (maximum) inlet gas volume of 5,000 MCFD. The (actual) inlet gas volume at the Plant will be somewhat variable and is continuously metered. The assumed 5,000 MCFD inlet gas volume has been selected as the "escape rate" because it is the highest anticipated inlet volume that the Plant would handle under its proposed operations and is considered worst case interpretation of the volume of gas. It should be noted that the plan will remain effective as long as the processed volume and H_2S content equate to the same ROE. As addressed below.

- As to hydrogen sulfide concentration of the inlet gas, daily monitoring data of current operations indicates variable concentrations, but concentration will not exceed 150,000 ppm or 15 mole percent. Therefore, 150,000 ppm or 15 mole percent has been used in the worst case scenario for the expanded operations with the AGI well for contingency planning purposes.

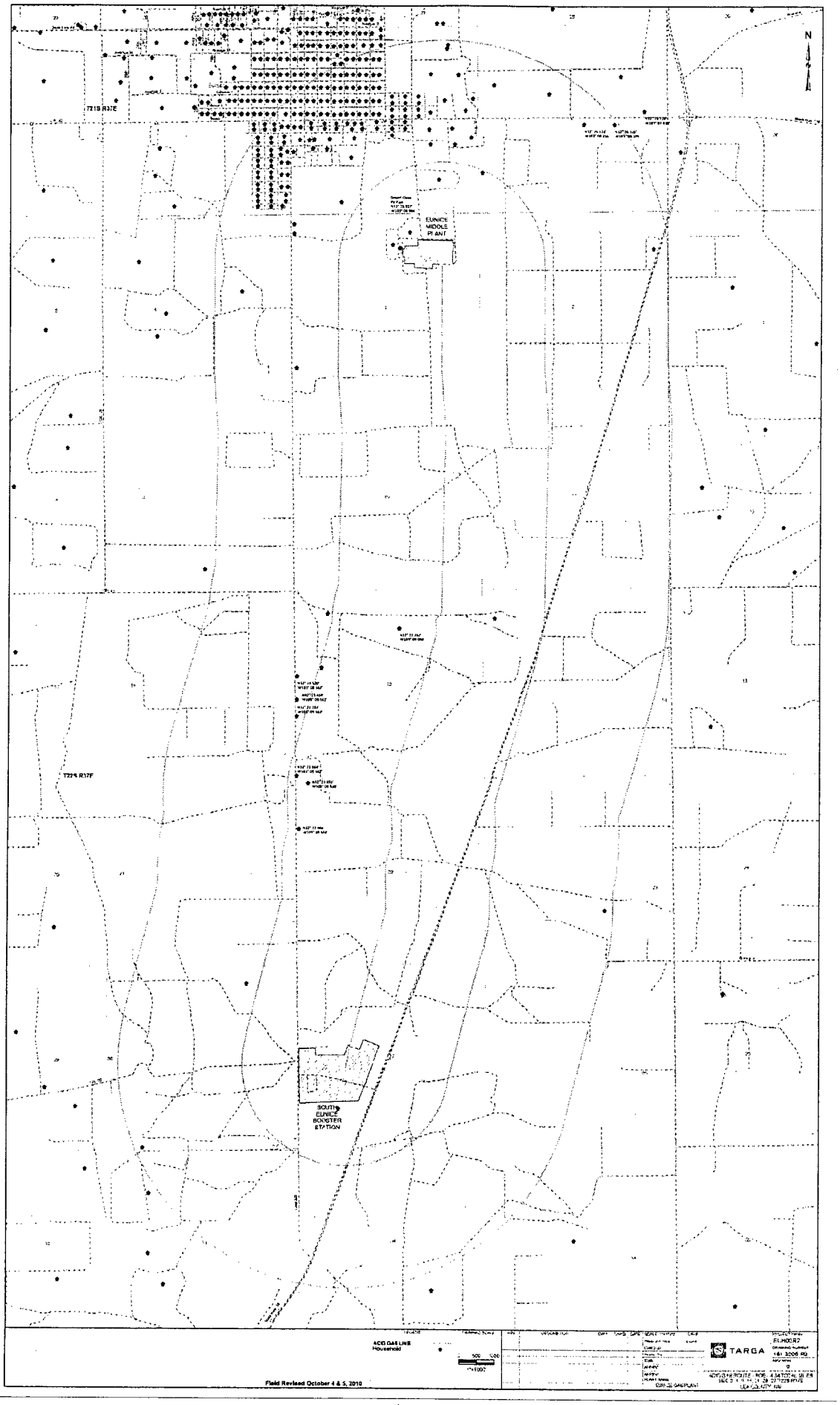
Using:

Q = 5,000,000

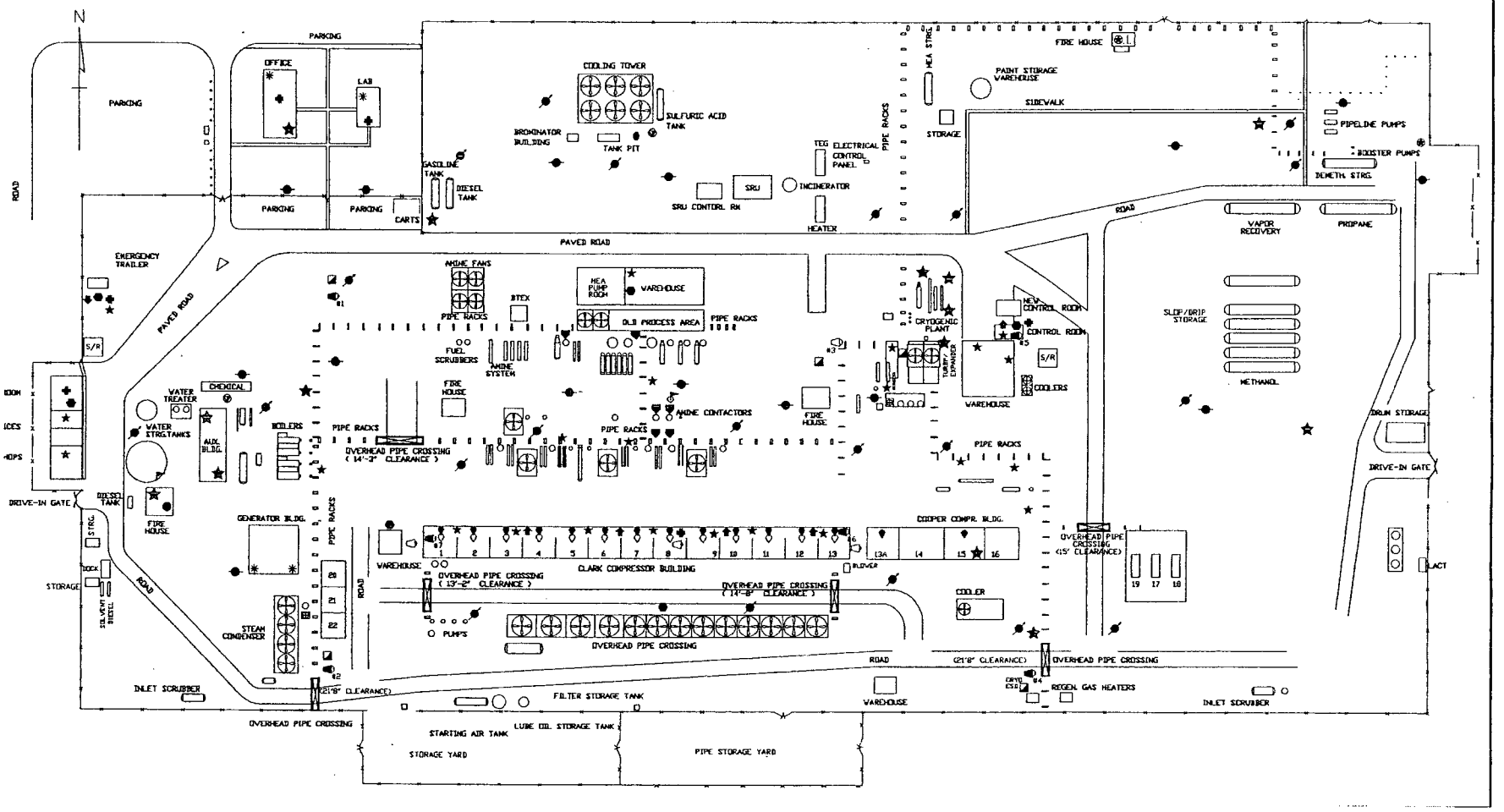
H_2S conc = 150,000 ppm or 15 mole%

500-ppm ROE = 2900 feet

100-ppm ROE = 6346 feet


N
T21S R37E
EUNICE
MIDDLE
PLANT
T22S R37E
SOUTH
EUNICE
BOOSTER
STATION
ACID GAS LINE
Household
Field Revised October 4 & 5, 2010
TARGA

EUNICE PLANT EMERGENCY & PREPARATION PLAN



EMERGENCY TELEPHONE NUMBERS

EUNICE PLANT	575 394-2534
PLANT MANAGER Gary Maricle	575 602-6005 (CELL)
FIELD SUPERVISOR CHUCK TOLSMA	575 631-6026 (CELL)
OPERATIONS SUPERVISOR FRANK BRAINARD	575 631-0420 (CELL)
OFFICE ADMINISTRATION Jennifer Jones	575 394-2534 EXT. 222
FIRE DEPARTMENT	911 OR 394-2111
SHERIFF	911 OR 394-2020
POLICE	911 OR 394-2112
STATE POLICE	911 OR 392-5588
AMBULANCE	911 OR 394-2112

EMERGENCY EQUIPMENT LEGEND

- SHUTDOWN STATION
- FIRE EXTINGUISHER - DRY CHEMICAL
- FIRE EXTINGUISHER - CO2
- WHEEL UNIT FIRE EXTINGUISHERS - DRY CHEMICAL
- FIRE PUMP
- HYDRANT
- FIRE MONITER
- FIRST AID KIT
- SHOWERS & EYEWASH
- FIRE BLANKET
- EMERGENCY SIRENS
- EMERGENCY ALARM SWITCH
- FIRE DETECTOR
- GAS DETECTOR
- H_2S GAS DETECTOR
- WIND SOCK
- S/R SMOKE ROOM
- SELF-CONTAINED BREATHING APPARATUS

COMPANY PERSONNEL

Call the following persons in the order listed until one is notified of the emergency:

1. Area Management

Eunice Plant

Gary Maricle, Eunice Area Manager
Office 575-394-2534, ext. 226 Eunice, NM
Mobile 575-602-6005

Alternate:
Frank Brainard, Eunice Operations Supervisor
Office 575-394-2534, ext. 229
Home none
Mobile 575-631-0420

Alternate:
Chuck Tolsma, Eunice Field Supervisor
Office 575-394-2516, ext. 327
Home 575-631-1846
Mobile 5 75-631-6026

Alternate:
Tim Jordan, Saunders Plant Area Manager
Office 575-396-3221 Lovington, NM
Home 575-396-0189 Lovington, NM
Mobile 575-631-7091

Alternate:
Todd Young, Area Manager
Office 575-393-2823 ext. 234
Home 432-523-3770 Andrews, TX
Mobile 575-441-1645

2. ES&H Group

Cal Wrangham, ES&H Manager
Office 432-688-0542 Midland, TX
Home 432-697-6580 Midland, TX
Mobile 432-425-7072

Rebecca Woodell, ES&H Compliance Specialist
Office 575-394-2534, ext. 239 Eunice, NM
Home 575-394-2280
Mobile 575-631-7085

Cindy Klein, ES&H Compliance Specialist
Office 575-396-3221, ext. 38
Home 575-398-6670
Mobile 575-631-7093

3. Region Manager

Clark White, Permian Basin Region Manager
Office 713-584-1525 Houston, TX

4. Field Operators

Eunice Area
Doyle Mapp 575-631-7064
Roger Holland 575-631-7094
Robert McBee 575-631-7061

Call company support personnel in Houston, TX, as needed:

Assistant V-P ES&H
Jessica Keiser 713-584-1084
Cell Phone 713-263-4537

Corporate Security
Weldon Green 713-584-1301
Cell Phone 281-802-5351

LAW ENFORCEMENT AND EMERGENCY SERVICES

STATE POLICE New Mexico 575-392-5588

LOCAL AGENCIES FOR LEA COUNTY

Eunice – Police	575-394-2112
Eunice – Fire Dept.	575-394-3258
Hobbs - Sheriff	575-396-3611
Hobbs – Police	575-397-9265
Hobbs – Fire Dept.	575-397-9265
Hobbs – Ambulance	575-397-9265
Lovington – Sheriff	575-396-3611
Lovington – Police	575-396-2811
Lovington – Fire Dept	575-396-2359
Lovington - Ambulance	575-396-2811

STATE AGENCIES

Oil Conservation Division, Santa Fe	505-476-3440
Oil Conservation Division – District Office, Hobbs	575-393-6161
Environmental Department – Air Quality Bureau, Santa Fe	505-827-1494

FEDERAL AGENCY

U. S. EPA – Region VI Office, Dallas, TX	800-887-6063

CONTRACTOR SUPPORT

ELECTRIC SERVICE COMPANIES

Excel Energy - Customer Service	800-895-4999 24 hour
Kay and Company	806-592-3513

WATER SERVICE AND VACUUM TRUCKS

Chaparrel Services – Eunice, NM	575-394-2545 24 hour
Danny's Hot Oil	575-398-3490
Gandy Corporation – Lovington, NM	575-396-4948 24 hour
Key Energy Services – Hobbs , NM	575-397-4994 24 hour

ROUSTABOUT CREWS

Flint Energy Services – Odessa, TX	432-332-0687 24 hour
Gandy Corporation – Lovington, NM	575-396-4948 24 hour
B & H Construction - Eunice, NM	575-934-2588 24 hour

DIRT WORK EQUIPMENT

B & H Construction – Eunice, NM	575-394-2588 24 hour
EDW Construction – Hobbs, NM	575-391-7814 24 hour
EKB Welding – Monument, NM	575-361-7078 24 hour
Ferguson Construction – Lovington	575-396-3689 24 hour
Gandy Corporation – Lovington, NM	575-396-4948 24 hour

WELDERS

EKB Welding – Monument, NM	575-361-7078 24 hour
Flint Energy Services – Odessa, TX	432-332-0687 24 hour
B & H Construction – Eunice, NM	575-394-2588 24 hour

SAFETY EQUIPMENT

Total Safety Equip. – Hobbs, NM	575-392-2973 24 hour