

AE Order Number Banner

Application Number: pEG2512758858

PMX-360

TARCO ENERGY, LC [279579]

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

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

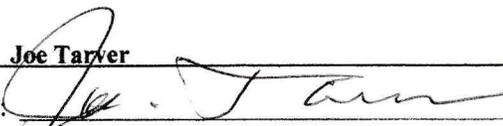
FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery Pressure Maintenance _____ Disposal _____ Storage
Application qualifies for administrative approval? Yes _____ No
- II. OPERATOR: Tarco Energy, LC (279579)
ADDRESS: 3805 109th Street, Lubbock, Texas 79423
CONTACT PARTY: Joe Tarver PHONE: (806) 787-5138
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? Yes _____ No
If yes, give the Division order number authorizing the project: R-13680 issued in Case No. 14931 on 2/14/2013
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
- Proposed average and maximum daily rate and volume of fluids to be injected;
 - Whether the system is open or closed;
 - Proposed average and maximum injection pressure;
 - Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 - If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Joe Tarver

TITLE: President

SIGNATURE: 

DATE: 02/4/2025

E-MAIL ADDRESS: LionJoe@cycleforlifeproject.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: Case No. 14931 heard by OCD on 11/29/2012; PMX Application dated 1/14/2014. Order No. PMX-280 dated 2/18/2019; Order No. PMX-305 dated 11/4/2021. Order PMX-317 dated 11/14/2022.

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

Side 2

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, 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 Department

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

Form C-102
Revised October 15, 2009
Submit one copy to appropriate District Office

RECEIVED
FEB 28 2012
NMOCD ARTESIA

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-015-00629	Pool Code 22230	Pool Name EMPIRE; YATES- Seven Rivers
Property Code 309286	Property Name MAGRUDER	Well Number 11
OGRID No. 279579	Operator Name TARCO ENERGY	Elevation 3643'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	35	17 S	27 E		330	SOUTH	482	EAST	EDDY

Bottom Hole Location If Different From Surface

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>SURFACE LOCATION Lat - N 32°47'03.59" Long - W 104°14'32.54" NMSPC- N 649084.023 E 569291.573 (NAD-83)</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>[Signature]</i> Signature Date</p> <p>JOE L. TARRER Printed Name</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>NOVEMBER 15 2009 Date Surveyed</p> <p><i>[Signature]</i> Signature & Seal of Professional Surveyor 7977</p>
	<p>Certificate No. Gary L. Jones 7977</p>
	<p>Basin Surveys</p>

INJECTION WELL DATA SHEET

OPERATOR: Tarco Energy, LC

WELL NAME & NUMBER: Magruder No. 11 (API No. 30-015-00629)

WELL LOCATION: 330' FSL & 482' FEL P 35 17 South 27 East
FOOTAGE LOCATION **UNIT LETTER** **SECTION** **TOWNSHIP** **RANGE**

WELLBORE SCHEMATIC

See Attached Wellbore Schematic

WELL CONSTRUCTION DATA

Surface/Production Casing

Hole Size: 11" **Casing Size:** 8 5/8" @ 1067'

Cemented with: 400 Sx. **or** _____ **ft³**

Top of Cement: Surface **Method Determined:** Calculation

Production Casing

Hole Size: 7 7/8" **Casing Size:** 5 1/2" @ 5840'

Cement with: 800 Sx. **or** _____ **ft³**

Top of Cement: 1,250' **Method Determined:** Well File

Total Depth: 700' **PBTD:** _____

Injection Interval

Perforated Interval : 448' - 536' (Perforated)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8" Lining Material: Internally Plastic Coated

Type of Packer: Baker Tension Type

Packer Setting Depth: 400' or within 100' of the uppermost injection perforations

Other Type of Tubing/Casing Seal (if applicable): None

Additional Data

1. Is this a new well drilled for injection: Yes **X** No
 If no, for what purpose was the well originally drilled: Producing well in the Empire; Abo Pool
2. Name of the Injection Formation: Yates-Seven Rivers
3. Name of Field or Pool (if applicable): Empire; Yates-Seven Rivers Pool (22230)
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.
5,750'-5,804'; CIBP @ 5,740' 5,401'-5,730'; CIBP @ 5,350' + 25 Sx. Cement
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Red Lake; Queen-Grayburg-SA Pool (1,800'); Red Lake; Glorieta-Yeso, Northeast Pool (4,000'); Empire; Abo Pool (6,200'); Logan Draw; Wolfcamp Pool (6,700'); Scoggin Draw; Atoka Gas Pool (9,380'); Scoggin Draw; Morrow Gas Pool (9,494')

Tarco Energy, LC
Magruder No. 11 (API No. 30-015-00629)
330' FSL & 482' FEL (Unit P)
Section 35, T-17S, R-27E, NMPM, Eddy County, NM

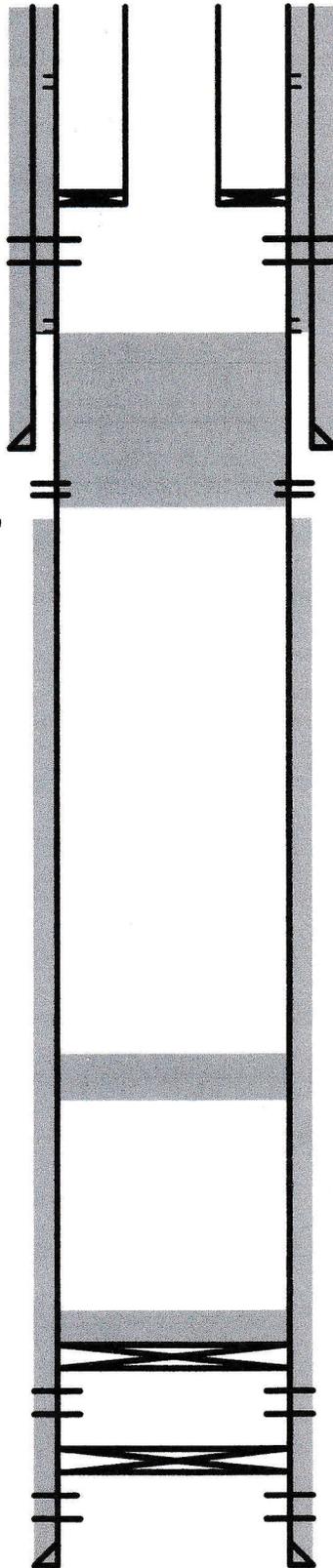
Well Drilled: 03/1960
PA'd 12/2008
Re-Entered by Tarco Energy, LC
03/2010

Perforations: 448'-536'

11" Hole. Set 8 5/8" Csg. @
1067'. Cemented with 400 Sx.
TOC @ Surface by Calculation

1,067'

Calculated TOC @ 1,250'



Perforate 5 1/2" Csg. @ 150'
Cement to Surface w/40 Sx.

Re-Entry 3/2010. Drilled to 700' TD.
Attempted Suicide Squeeze by Perforating @
700' & 215'-217'. Set Cement Retainer @ 625'
& Pumbed 23.5 Bbls Cement. Perforated 448'-
536' (Empire Yates Seven Rivers Pool). Set 2
3/8" IPC Tubing @ 400'.

Perforated 5 1/2" Csg. @ 1,120'. Unable to
Circulate in 8 5/8" x 5 1/2" Annulus. Set 25
Sx. Cement Plug 940'-1,187'

Set 25 Sx. Cement Plug @ 3,015'-3,250'

CIBP @ 5,350' w/25 Sx. Cement

Abo Perforations: 5,401'-5,730'

CIBP @ 5,740'

Abo Perforations: 5,750'-5,804'

T.D. 5,840'

7 7/8" Hole. Set 5 1/2" Csg. @ 5,840'.
Cemented w/800 Sx. TOC @ 1,250'
By Calculation (Well File)

February 4, 2025

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO: See Attached Notice List

**Re: Tarco Energy, LC
Form C-108 (Application for Authorization to Inject)
Magruder No. 11: API No. (30-015-00629)
330' FSL & 482' FEL, Unit P, Section 35, T-17S, R-27E, NMPM,
Eddy County, New Mexico**

Ladies & Gentlemen:

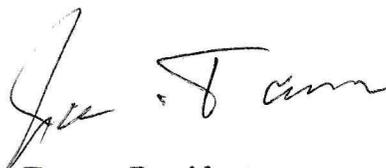
By Order No. R-13680 dated February 14, 2013 the Oil Conservation Division approved the Tarco Energy, LC Russell C Lease Pressure Maintenance Project authorizing injection into the Yates-Seven Rivers formation (Empire; Yates-Seven Rivers Pool) within its Russell C Well No. 3 located in Unit O of Section 35, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico. This project was further expanded by Orders No. PMX-280 dated February 18, 2019, PMX-305 dated November 4, 2021 and PMX-317 dated November 14, 2022 by authorizing injection into the Brad State Wells No. 1 and 6, respectively, both located in Unit C of Section 2, Township 18 South, Range 27 East, NMPM, and the Magruder No. 19 located in Unit J of Section 35, Township 17 South, Range 27 East, NMPM.

Tarco Energy, LC ("Tarco") is seeking administrative approval to further expand the Russell C Lease Pressure Maintenance Project by adding an additional injection well within the approved project area. Enclosed please find a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for the Magruder No. 11. You are being provided a copy of the application as an offset operator/leaseholder or as the owner of the surface where the well is located. Tarco proposes to convert the well from a producer to an injection well, injection to occur into the Yates-Seven Rivers formation through the perforated interval from approximately 448 feet to 536 feet.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

If you should have any questions, please contact me at (806) 787-5138.
Sincerely,

Tarco Energy, LC
Application to Inject
Magruder No. 11
February 4, 2025

A handwritten signature in black ink, appearing to read "Joe Tarver". The signature is written in a cursive style with a large initial "J".

Joe Tarver, President
Tarco Energy, LC
3805 109th Street
Lubbock, Texas 79423

Enclosure

**Form C-108: Pressure Maintenance Expansion
 Russel C Lease Pressure Maintenance Project
 Magruder No. 11 (API No. 30-015-00629)
 Section 35, Township 17 South, Range 27 East, NMPM
Notice List (Offset Operators)**

<u>Operator</u>	<u>Operated Acreage</u>
Redwood Operating, LLC P.O. Box 1370 Artesia, New Mexico 88211-1370	Section 35-17S-27E: Units H, J, L, M, N, O, P
Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, Texas 78256	Section 35-17S, 27E: Unit G
Riley Permian Operating Co., LLC 29 E. Reno Avenue, Suite 500 Oklahoma City, OK 73104	Section 35-17S-27E: Units H, I, J, K, L, M, N, O, P Section 2-18S-27E: Units C, H
Remnant Oil Operating, LLC P.O. Box 5375 Midland, Texas 79704	Section 35-17S-27E: Units I, K, N, P Section 2-18S-27E: Units A, B, C Section 36-17S-27E: Units K, L Section 1-18S-27E: Unit D
Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland, Texas 79705	Section 36-17S-27E: Unit M Section 1-18S-27E: Units C, D, E, F Section 2-18S-27E: Units A, G
Contango Resources, LLC 111 E. 5 th Street, Suite 300 Fort Worth, Texas 76102	Section 36-17S-27E: Unit E
LLJ Ventures, LLC dba Marker Oil & Gas P.O. Box 3188 Roswell, New Mexico 88202	Section 36-17S-27E: Unit M
Extex Operating Company 5065 Westheimer Rd. Suite 625 Houston, Texas 77056	Section 35-17S-27E: Units G, H

**Form C-108: Pressure Maintenance Expansion
Russel C Lease Pressure Maintenance Project
Magruder No. 11 (API No. 30-015-00629)
Section 35, Township 17 South, Range 27 East, NMPM
Notice List (Offset Operators Cont.)**

**Mewbourne Oil Company
P.O. Box 5270
Hobbs, New Mexico 88241**

**Section 35-17S-27E: Units I, J, K, N, O, P
Section 36-17S-27E: Unit M
Section 1-18S-27E: Unit C, D, E, F**

**Spur Energy Partners, LLC
9655 Katy Freeway
Suite 500
Houston, Texas 77024**

Section 36-17S-27E: Units K, L, M, N

Additional Notice

(Surface Owner)

**Commissioner of Public Lands
P.O. Box 1148
Santa Fe, New Mexico 87504**

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Commissioner of Public Lands
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 Santa Fe, NM 87504

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Redwood Operating, LLC
 P.O. Box 1370
 Artesia, New Mexico
 88211-1370

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Riley Permian Operating Co.
 29 E. Reno Ave., Suite 500
 Oklahoma City, OK 73104

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LLJ Ventures, LLC d/b/a
 Marker Oil & Gas
 P.O. Box 3188
 Roswell, NM 88202

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Contango Resources, LLC
 111 E. 5th Street, Suite 300
 Fort Worth, TX 76102

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Remnant Oil Operating, LLC
 P.O. Box 5375
 Midland, Texas 79704

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<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
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<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$3.71	
Total	\$12.66	

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Street
City, State

Entex Operating Company
5065 Westheimer Rd.
Suite 625
Houston, Texas 77056

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Total	\$12.66	

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City, State

Spur Energy Partners, LLC
9655 Katy Freeway
Suite 500
Houston, Texas 77024

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<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
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Total	\$12.66	

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Street
City, State

Mewbourne Oil Company
P.O. Box 5270
Hobbs, New Mexico 88241

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San Antonio, TX 78256

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<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$3.71	
Total	\$12.66	

Sent To
Street
City, State

Silverback Operating II, LLC
19707 IH10 West, Suite 201
San Antonio, Texas 78256

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Total	\$12.66	

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City, State

Apache Corporation
303 Veterans Airpark Lane
Suite 1000
Midland, Texas 79705

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Form C-108
Tarco Energy, LC
Magruder No. 11
Section 35, T-17 South, R-27 East, NMPM
Eddy County, New Mexico

The following-described legal advertisement will be published in the:

Artesia Daily Press
503 W. Main Street
Artesia, New Mexico 88210-2067

Tarco Energy, LC, 3805 109th Street, Lubbock, Texas 79423 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division (“Division”) seeking administrative approval to expand its Russell C Lease Pressure Maintenance Project by converting to injection its Magruder No. 11 (API No. 30-015-00629) located 330 feet from the South line and 482 feet from the East line (Unit P) of Section 35, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico. Injection is to occur into the Yates-Seven Rivers formation (Empire Yates-Seven Rivers Pool) through the perforated interval from approximately 448 feet to 536 feet.

Produced water from the Yates-Seven Rivers formation will be re-injected into the Magruder No. 11 at average and maximum rates of 100 and 300 barrels of water per day, respectively. The initial surface injection pressure for the well is anticipated to be at or below 89 psi., which is in compliance with Division regulations. The maximum surface injection pressure will be determined by step rate injection test.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Mr. Joe Tarver at (806) 787-5138.

PUBLIC NOTICE

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Published in the Artesia Daily Press February 13, 2025.
#33270

El Rito Media, LLC
 PO BOX 507
 HUTCHINSON, KS 67504-0507

Phone:

INVOICE/RECEIPT

Ad/Order #: **0000033270**

02/05/2025

TARCO ENERGY, LC 3805 109TH ST LUBBOCK TX 79423 Phone: (806)787-5138	1454	Salesperson: Leanne Kaufenberg Description: Russell C Lease Pressure Maint JOE TARVER, (806)787-5138 Joe@TarcoSupply.com
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PO Number:	Size: 1.00 x 6.42	Color:	Total Weeks: 1
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Product	Category	Classification	Insertions Period
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ART - Artesia News LEGAL LINE PUBLIC NOTICES 02/13/25

Pricing Information:	Base Cost:	51.04
	Sub Total:	51.04
	Tax	3.90
	Total:	54.94
Total Due:		54.94

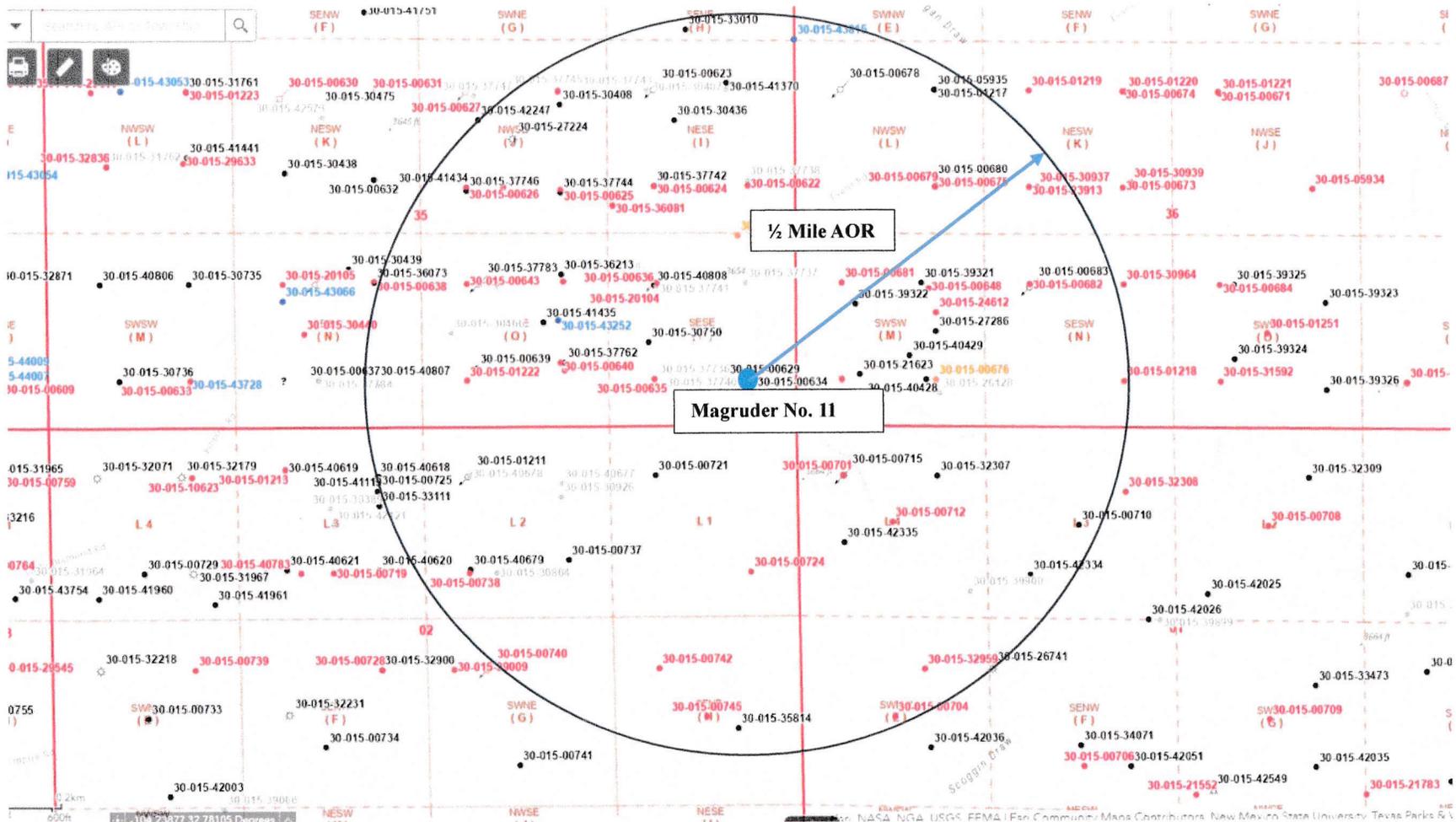
Ad Taker: Leanne Kaufenberg

Sales

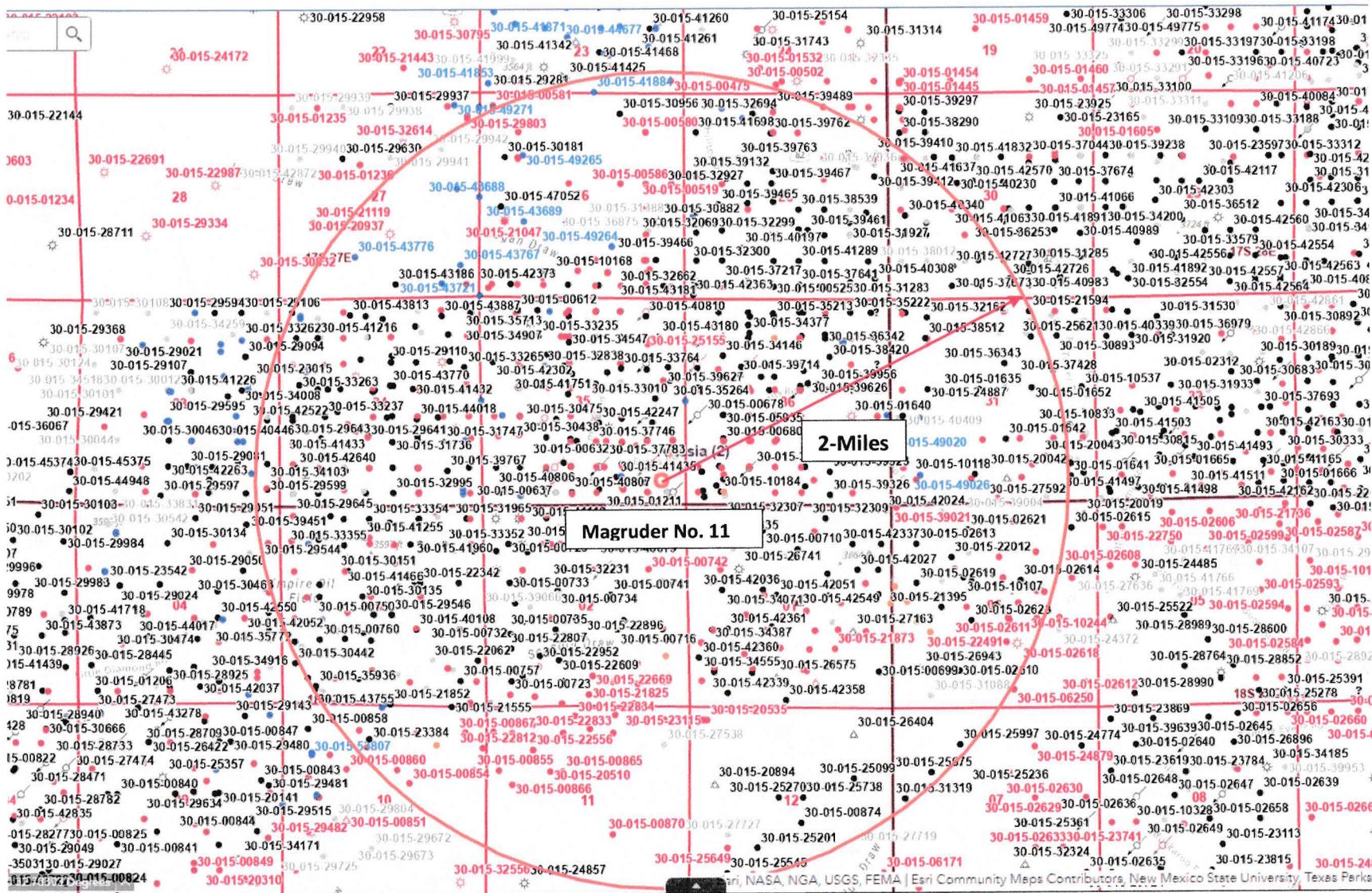
Billing

Creative

Typesetting: _____	<input type="checkbox"/> Print As Is
Scanning: _____	<input type="checkbox"/> Change and Print
Proofing: _____	<input type="checkbox"/> Additional Proof Required
Out For Proof: 1st _____ 2nd _____	



C-108 Application
Tarco Energy, LLC
Magruder Well No. 11
Russell C Lease Pressure Maintenance Project
1/2 Mile Area of Review Map



C-108 Application
Tarco Energy, LLC
Magruder Well No. 11
Russell C Lease Pressure Maintenance Project
2-Mile Lease Map

Attachment "A"
Form C-108; Magruder No. 11: Tarco Energy, LLC
List of Area of Review Wells Whose Construction & Plugging Data were Previously Submitted to OCD

API	Well Name	Well Number	Type	Mineral Owner	Surface Owner	Status	Unit Letter	Section	Township	Range	OCD Unit Letter	Last Production	Spud Date	Plugged On	Current Operator
30-015-33010	EAGLE 35 H FEDERAL	#014	Oil	Federal	Federal	Active	H	35	17S	27E	H	Jun-23	9/22/2003		[372290] RILEY PERMIAN OPERATING COMPANY, LLC
30-015-30407	LOGAN 35 FEDERAL	#001C	Oil	Federal	Federal	Cancelled Apd	I	35	17S	27E	I				[6137] DEVON ENERGY PRODUCTION COMPANY, LP
30-015-00624	SOUTH RED LAKE II UNIT	#024	Oil	Federal	Federal	Plugged, Site Released	I	35	17S	27E	I	Feb-95		5/1/2006	[241598] FAIRWAY RESOURCES OPERATING, LLC
30-015-00624	PRE-ONGARD WELL	#002	Oil	Federal	Federal	Plugged, Site Released	I	35	17S	27E	I				[214263] PRE-ONGARD WELL OPERATOR
30-015-36081	LOGAN 35 FEDERAL	#001	Oil	Federal	Federal	Plugged, Site Released	I	35	17S	27E	I	Aug-20	4/15/2008	5/5/2023	[330211] Redwood Operating LLC
30-015-00623	SOUTH RED LAKE II UNIT	#019	Injection	Federal	Federal	Active	I	35	17S	27E	I	Feb-23	4/18/1947		[370922] REMNANT OIL OPERATING, LLC
30-015-30436	LOGAN 35 FEDERAL	#002	Oil	Federal	Federal	Active	I	35	17S	27E	I	Jun-23	3/7/2000		[372290] RILEY PERMIAN OPERATING COMPANY, LLC
30-015-41370	LOGAN 35 I FEDERAL	#017	Oil	Federal	Federal	Active	I	35	17S	27E	I	Jun-23	4/6/2014		[372290] RILEY PERMIAN OPERATING COMPANY, LLC
30-015-37738	MAGRUDER	#013	Oil	Federal	Federal	Cancelled Apd	I	35	17S	27E	I				[279579] TARCO ENERGY, LC
30-015-37739	MAGRUDER	#014	Oil	Federal	Federal	Cancelled Apd	I	35	17S	27E	I				[279579] TARCO ENERGY, LC
30-015-37742	MAGRUDER	#017	Oil	Federal	Federal	Active	I	35	17S	27E	I	Jun-23	8/20/2011		[279579] TARCO ENERGY, LC
30-015-37743	MAGRUDER	#018	Oil	Federal	Federal	Cancelled Apd	I	35	17S	27E	I				[279579] TARCO ENERGY, LC
30-015-37744	MAGRUDER	#019	Oil	Federal	Federal	Active	I	35	17S	27E	I	Jul-21	11/14/2010		[279579] TARCO ENERGY, LC
30-015-00625	MAGRUDER A	#001	Oil	Federal	Federal	Plugged, Site Released	J	35	17S	27E	J		9/26/1941	4/21/1986	[37594] JOE L TARVER
30-015-00627	SOUTH RED LAKE GRAYBURG UNIT	#018	Injection	Federal	Federal	Plugged, Site Released	J	35	17S	27E	J	Aug-00		5/25/2003	[185130] MCQUADRANGLE, LC
30-015-27224	CHALK BLUFF 35 FED	#001	Gas	Federal	Federal	Active	J	35	17S	27E	J	Jun-23	7/8/1993		[14744] MEWBOURNE OIL CO
30-015-00626	PRE-ONGARD WELL	#006	Oil	Federal	Federal	Plugged, Site Released	J	35	17S	27E	J		1/1/1900		[214263] PRE-ONGARD WELL OPERATOR
30-015-30408	LOGAN 35 FEDERAL	#003	Oil	Federal	Federal	Active	J	35	17S	27E	J	Aug-20	10/3/2000		[330211] Redwood Operating LLC
30-015-30437	LOGAN 35 FEDERAL	#004	Oil	Federal	Federal	Plugged, Site Released	J	35	17S	27E	J	Aug-20	8/24/1999	5/15/2023	[330211] Redwood Operating LLC
30-015-42247	LOGAN 35 J FEDERAL	#020	Oil	Federal	Federal	Active	J	35	17S	27E	J	Jun-23	10/1/2014		[372290] RILEY PERMIAN OPERATING COMPANY, LLC
30-015-37745	MAGRUDER	#020	Oil	Federal	Federal	Cancelled Apd	J	35	17S	27E	J				[279579] TARCO ENERGY, LC
30-015-37746	MAGRUDER	#021	Oil	Federal	Federal	Active	J	35	17S	27E	J	Jun-23	7/22/2011		[279579] TARCO ENERGY, LC
30-015-37747	MAGRUDER	#022	Oil	Federal	Federal	Cancelled Apd	J	35	17S	27E	J				[279579] TARCO ENERGY, LC
30-015-40807	LOGAN B 35 N FEDERAL	#018	Oil	Federal	Federal	Active	N	35	17S	27E	N	Nov-20	1/17/2013		[330211] Redwood Operating LLC
30-015-00638	RUSSELL C	#006	Oil	Federal	Federal	Plugged, Site Released	N	35	17S	27E	N			2/21/2009	[279579] TARCO ENERGY, LC
30-015-36073	RUSSELL C	#006X	Oil	Federal	Federal	Active	N	35	17S	27E	N	Jul-23	6/1/2008		[279579] TARCO ENERGY, LC
30-015-30466	LOGAN 35 B FEDERAL	#010	Oil	Federal	Federal	Cancelled Apd	O	35	17S	27E	O				[6137] DEVON ENERGY PRODUCTION COMPANY, LP
30-015-00643	SOUTH RED LAKE II UNIT	#026	Oil	Federal	Federal	Plugged, Site Released	O	35	17S	27E	O	Aug-08	10/19/2007	9/17/2008	[241598] FAIRWAY RESOURCES OPERATING, LLC
30-015-01222	SOUTH RED LAKE II UNIT	#030	Oil	Federal	Federal	Plugged, Site Released	O	35	17S	27E	O	Nov-08		2/21/2009	[241598] FAIRWAY RESOURCES OPERATING, LLC
30-015-00642	RUSSELL C	#005	Oil	Federal	Federal	Plugged, Site Released	O	35	17S	27E	O		10/8/1941	2/15/1977	[37594] JOE L TARVER
30-015-00640	PRE-ONGARD WELL	#008	Oil	Federal	Federal	Plugged, Site Released	O	35	17S	27E	O				[214263] PRE-ONGARD WELL OPERATOR
30-015-30409	LOGAN 35 B FEDERAL	#009	Oil	Federal	Federal	Plugged, Site Released	O	35	17S	27E	O	Nov-20	11/7/1998	11/3/2022	[330211] Redwood Operating LLC
30-015-43252	LOGAN 35 O FEDERAL	#022	Oil	Federal	Federal	New	O	35	17S	27E	O				[330211] Redwood Operating LLC
30-015-41435	LOGAN 35 O FEDERAL	#010	Oil	Federal	Federal	Active	O	35	17S	27E	O	Apr-23	4/12/2014		[372290] RILEY PERMIAN OPERATING COMPANY, LLC
30-015-37783	RUSSELL C	#003	Injection	Federal	Federal	Active	O	35	17S	27E	O	Jul-23	3/23/2012		[279579] TARCO ENERGY, LC
30-015-36213	RUSSELL C	#005Y	Oil	Federal	Federal	Active	O	35	17S	27E	O	Jul-23	1/6/2006		[279579] TARCO ENERGY, LC
30-015-00641	RUSSELL C	#007	Oil	Federal	Federal	Plugged, Site Released	O	35	17S	27E	O	Feb-10	11/15/2005	3/15/2011	[279579] TARCO ENERGY, LC
30-015-37762	RUSSELL C	#007Y	Oil	Federal	Federal	Active	O	35	17S	27E	O	Jul-23	11/15/2005		[279579] TARCO ENERGY, LC
30-015-00639	RUSSELL C	#009	Oil	Federal	Federal	Active	O	35	17S	27E	O	Jul-23	3/22/2010		[279579] TARCO ENERGY, LC
30-015-20104	SOUTH RED LAKE II UNIT	#041	Injection	State	Federal	Plugged, Site Released	P	35	17S	27E	P	Feb-06		1/18/2007	[241598] FAIRWAY RESOURCES OPERATING, LLC
30-015-00635	MAGRUDER A	#004	Oil	Federal	Federal	Plugged, Site Released	P	35	17S	27E	P		12/26/1941	2/11/1977	[37594] JOE L TARVER
30-015-00636	PRE-ONGARD WELL	#005	Oil	Federal	Federal	Plugged, Site Released	P	35	17S	27E	P				[214263] PRE-ONGARD WELL OPERATOR
30-015-44784	LOGAN 35 P FEDERAL	#023	Oil	Federal	Federal	New	P	35	17S	27E	P				[330211] Redwood Operating LLC
30-015-00634	SOUTH RED LAKE II UNIT	#029	Injection	Federal	Federal	Active	P	35	17S	27E	P	Feb-23	3/29/1948		[370922] REMNANT OIL OPERATING, LLC
30-015-30749	LOGAN 35 FEDERAL	#011	Oil	Federal	Federal	Approved Temporary	P	35	17S	27E	P	Aug-20	12/8/2000		[372290] RILEY PERMIAN OPERATING COMPANY, LLC
30-015-30750	LOGAN 35 FEDERAL	#012	Oil	Federal	Federal	Active	P	35	17S	27E	P	Jun-23	11/30/2000		[372290] RILEY PERMIAN OPERATING COMPANY, LLC
30-015-40808	LOGAN 35 P FEDERAL	#019	Oil	Federal	Federal	Active	P	35	17S	27E	P	Nov-22	11/26/2012		[372290] RILEY PERMIAN OPERATING COMPANY, LLC
30-015-37736	MAGRUDER	#011	Oil	Federal	Federal	Cancelled Apd	P	35	17S	27E	P				[279579] TARCO ENERGY, LC
30-015-00629	MAGRUDER	#011	Oil	Federal	Federal	Active	P	35	17S	27E	P	Jul-21	3/29/2010		[279579] TARCO ENERGY, LC
30-015-37737	MAGRUDER	#012	Oil	Federal	Federal	Cancelled Apd	P	35	17S	27E	P				[279579] TARCO ENERGY, LC
30-015-37740	MAGRUDER	#015	Oil	Federal	Federal	Cancelled Apd	P	35	17S	27E	P				[279579] TARCO ENERGY, LC
30-015-37741	MAGRUDER	#016	Oil	Federal	Federal	Cancelled Apd	P	35	17S	27E	P				[279579] TARCO ENERGY, LC
30-015-00675	SOUTH RED LAKE II UNIT	#050	Oil	State	State	Plugged, Site Released	L	36	17S	27E	L	Mar-07	4/18/1962	3/18/2014	[240974] LEGACY RESERVES OPERATING, LP
30-015-00679	PRE-ONGARD WELL	#001	Oil	State	State	Plugged, Site Released	L	36	17S	27E	L				[214263] PRE-ONGARD WELL OPERATOR

Attachment "A"
Form C-108; Magruder No. 11: Tarco Energy, LLC
List of Area of Review Wells Whose Construction & Plugging Data were Previously Submitted to OCD (Cont.)

30-015-00678	SOUTH RED LAKE II UNIT	#020	Injection	State	State	Active	L	36	175	27E	L	Feb-23	10/27/1947		[370922] REMNANT OIL OPERATING, LLC
30-015-00680	DELHI	#004	Oil	State	State	Active	L	36	175	27E	L	Feb-21	7/11/1949		[279579] TARCO ENERGY, LC
30-015-00681	SOUTH RED LAKE II UNIT	#027	Oil	State	State	Plugged, Site Released	M	36	175	27E	M	Mar-07		3/18/2014	[240974] LEGACY RESERVES OPERATING, LP
30-015-21623	STATE	#007	Oil	State	State	Active	M	36	175	27E	M	Feb-21	9/16/1975		[372279] LU VENTURES, LLC DBA MARKER OIL & GAS
30-015-00662	PRE-ONGARD WELL	#002	Oil	State	State	Plugged, Site Released	M	36	175	27E	M				[214263] PRE-ONGARD WELL OPERATOR
30-015-39321	BIG BOY STATE	#001	Oil	State	State	Active	M	36	175	27E	M	Jun-23	11/5/2011		[328947] Spur Energy Partners LLC
30-015-40428	BIG BOY STATE	#002	Oil	State	State	Active	M	36	175	27E	M	Jun-23	4/27/2013		[328947] Spur Energy Partners LLC
30-015-39322	BIG BOY STATE	#003	Oil	State	State	Active	M	36	175	27E	M	Jun-23	11/23/2011		[328947] Spur Energy Partners LLC
30-015-40429	BIG BOY STATE	#004	Oil	State	State	Active	M	36	175	27E	M	Jun-23	8/28/2014		[328947] Spur Energy Partners LLC
30-015-00701	PRE-ONGARD WELL	#001	Oil	Federal	Federal	Plugged, Site Released	4	1	18S	27E	D				[214263] PRE-ONGARD WELL OPERATOR
30-015-00724	EMPIRE ABO UNIT	#016B	Oil	State	State	Plugged, Not Released	1	2	18S	27E	A	Oct-15	8/1/1959		[873] APACHE CORPORATION
30-015-00721	SOUTH RED LAKE II UNIT	#036	Oil	State	State	Active	1	2	18S	27E	A	Feb-22	10/21/1941		[370922] REMNANT OIL OPERATING, LLC
30-015-00720	RIVERWOLF UNIT	#004	Oil	State	State	Plugged, Site Released	2	2	18S	27E	B	Jun-08		12/4/2008	[778] BP AMERICA PRODUCTION COMPANY
30-015-00738	PRE-ONGARD WELL	#002	Oil	State	State	Plugged, Site Released	B	2	18S	27E	B				[214263] PRE-ONGARD WELL OPERATOR
30-015-00718	PRE-ONGARD WELL	#002	Oil	State	State	Plugged, Site Released	B	2	18S	27E	B				[214263] PRE-ONGARD WELL OPERATOR
30-015-30926	LOGAN 2 STATE	#003	Oil	State	State	Cancelled Apd	2	2	18S	27E	B				[330211] Redwood Operating LLC
30-015-01211	SOUTH RED LAKE II UNIT	#035	Injection	State	State	Active	2	2	18S	27E	B	Feb-23	11/12/1926		[370922] REMNANT OIL OPERATING, LLC
30-015-00737	SOUTH RED LAKE II UNIT	#038	Oil	State	State	Active	2	2	18S	27E	B	Feb-22			[370922] REMNANT OIL OPERATING, LLC
30-015-40677	BLAKE STATE	#001	Oil	State	State	Cancelled Apd	2	2	18S	27E	B				[279579] TARCO ENERGY, LC
30-015-40678	BLAKE STATE	#002	Oil	State	State	Cancelled Apd	2	2	18S	27E	B				[279579] TARCO ENERGY, LC
30-015-40679	BLAKE STATE	#004	Oil	State	State	Active	2	2	18S	27E	B	Jul-23	12/3/2012		[279579] TARCO ENERGY, LC
30-015-00725	SOUTH RED LAKE II UNIT	#034	Oil	State	State	Active	3	2	18S	27E	C	Mar-22	2/15/1927		[370922] REMNANT OIL OPERATING, LLC
30-015-33111	LOGAN 2C STATE	#003	Oil	State	State	Active	3	2	18S	27E	C	Jun-23	5/11/2004		[372290] RILEY PERMIAN OPERATING COMPANY, LLC
30-015-41119	LOGAN 2C STATE	#005	Oil	State	State	Active	3	2	18S	27E	C	Jun-23	3/28/2013		[372290] RILEY PERMIAN OPERATING COMPANY, LLC
30-015-40618	BRAD STATE	#001	Oil	State	State	Active	3	2	18S	27E	C	Jul-23	8/27/2012		[279579] TARCO ENERGY, LC
30-015-00742	PRE-ONGARD WELL	#039	Oil	State	State	Plugged, Site Released	H	2	18S	27E	H				[214263] PRE-ONGARD WELL OPERATOR

Attachment "A"
Tarco Energy, LC
Form C-108: Magruder No. 11
Supplemental Area of Review Well List

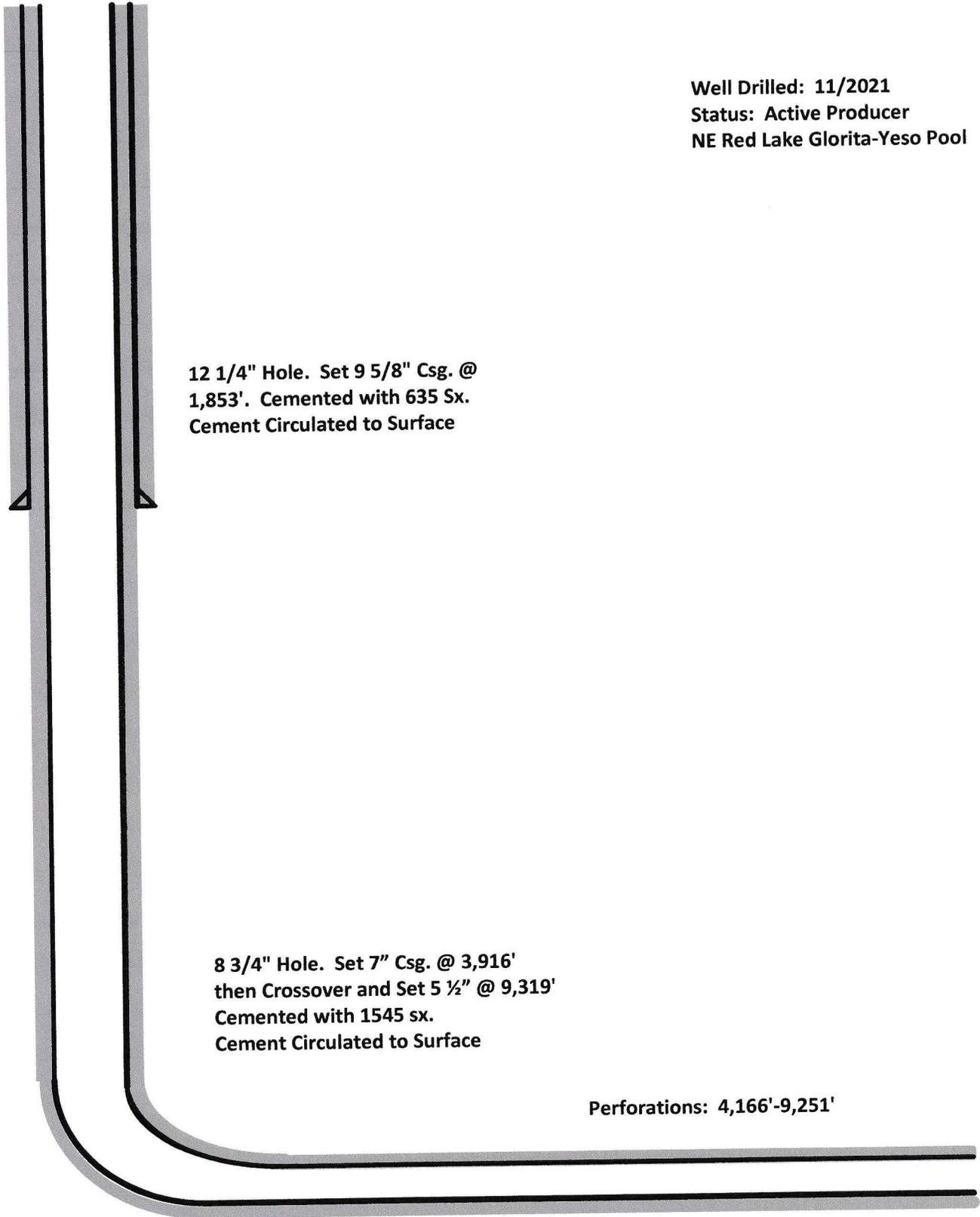
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30-015-39900	EMPIRE ABO UNIT	#414	Oil	Federal	Federal	Cancelled Apd	4	1	185	27E	D				[873] APACHE CORPORATION
30-015-30864	LOGAN 2 STATE	#004	Oil	State	State	Cancelled Apd	2	2	185	27E	B				[6137] DEVON ENERGY PRODUCTION COMPANY, LP
30-015-43815	EAGLE 35 H FEDERAL	#035	Oil	Federal	Federal	New	H	35	175	27E	H				[330211] Redwood Operating LLC
30-015-49018	WAUKEE 36 STATE COM	#011H	Oil	State	Private	New	3	31	175	28E	L	Jun-23	11/22/2021		[328947] Spur Energy Partners LLC
30-015-49019	WAUKEE 36 STATE COM	#051H	Oil	State	Private	New	3	31	175	28E	L	Jun-23	11/19/2021		[328947] Spur Energy Partners LLC
30-015-49020	WAUKEE 36 STATE COM	#002H	Oil	State	Private	New	4	31	175	28E	M	Jun-23	11/15/2021		[328947] Spur Energy Partners LLC
30-015-49026	WAUKEE 36 STATE COM	#010H	Oil	State	Private	New	4	31	175	28E	M	Jun-23	11/11/2021		[328947] Spur Energy Partners LLC
30-015-23913	SOUTH RED LAKE II UNIT	#043	Oil	State	State	Plugged, Site Released	K	36	175	27E	K	Jan-09		9/20/2011	[240974] LEGACY RESERVES OPERATING, LP
30-015-30937	RAMAPO	#005	Oil	State	State	Plugged, Site Released	K	36	175	27E	K	Aug-00	1/26/2000	12/21/2001	[182162] ROJO GRANDE LLC
30-015-01217	DELHI	#003	Oil	State	State	Active	L	36	175	27E	L	Feb-21	5/3/1949		[279579] TARCO ENERGY, LC
30-015-00676	EMPIRE ABO UNIT	#017	Oil	State	State	Approved Temporary	M	36	175	27E	M	May-19	2/5/1960		[873] APACHE CORPORATION
30-015-00648	STATE E	#001	Oil	State	State	Plugged, Site Released	M	36	175	27E	M	Dec-82		12/12/2004	[10701] ASPEN OIL INC
30-015-10184	STATE	#006	Oil	State	State	Active	M	36	175	27E	M	Feb-21	3/3/1963		[372279] LLI VENTURES, LLC DBA MARKER OIL & GAS
30-015-27286	CHALK BLUFF 36 STATE	#001	Oil	State	State	Active	M	36	175	27E	M	Jun-23	2/2/1993		[14744] MEWBOURNE OIL CO
30-015-24612	STATE M	#001	Oil	State	State	Plugged, Site Released	M	36	175	27E	M	Nov-95	9/30/1983	4/21/2009	[122811] PRONGHORN MANAGEMENT CORP
30-015-00683	SOUTH RED LAKE II UNIT	#028	Injection	State	State	Active	N	36	175	27E	N	Feb-23	3/3/1948		[370922] REMNANT OIL OPERATING, LLC
30-015-00682	RAMAPO	#004	Oil	State	State	Plugged, Site Released	N	36	175	27E	N	Oct-98		1/24/2000	[182162] ROJO GRANDE LLC
30-015-00710	AAO FEDERAL	#013	Oil	Federal	Federal	Active	3	1	185	27E	C	Dec-22	7/14/1959		[873] APACHE CORPORATION
30-015-42334	AAO FEDERAL	#021	Oil	Federal	Federal	Active	3	1	185	27E	C	Jun-23	5/27/2014		[873] APACHE CORPORATION
30-015-42307	AAO FEDERAL	#001	Oil	Federal	Federal	Active	4	1	185	27E	D	Dec-22	11/20/2002		[873] APACHE CORPORATION
30-015-42335	AAO FEDERAL	#022	Oil	Federal	Federal	Active	4	1	185	27E	D	Jun-23	7/27/2014		[873] APACHE CORPORATION
30-015-00712	PRE-ONGARD WELL	#017	Oil	Federal	Federal	Plugged, Site Released	D	1	185	27E	D				[214263] PRE-ONGARD WELL OPERATOR
30-015-00715	SOUTH RED LAKE II UNIT	#037	Injection	Federal	Federal	Active	4	1	185	27E	D	Feb-23	2/28/1948		[370922] REMNANT OIL OPERATING, LLC
30-015-32959	AAO FEDERAL	#005	Oil	Federal	Federal	Plugged, Site Released	E	1	185	27E	E	Mar-16	11/4/2003	6/14/2017	[873] APACHE CORPORATION
30-015-00704	PRE-ONGARD WELL	#017	Oil	Federal	Federal	Plugged, Site Released	E	1	185	27E	E				[214263] PRE-ONGARD WELL OPERATOR
30-015-00745	STATE H	#001	Oil	State	State	Plugged, Site Released	H	2	185	27E	H	Jan-06		3/7/2008	[13837] MACK ENERGY CORP
30-015-35814	STATE H	#002	Oil	State	State	Active	H	2	185	27E	H	Jun-23	10/31/2007		[372290] RILEY PERMIAN OPERATING COMPANY, LLC

Wellbore Schematic Diagrams are submitted for each of the wells described above. Diagrams were constructed using data obtained from OCD well files. Diagrams that were contained within a given well file were utilized in lieu of re-constructing diagram.

Spur Energy Partners, LLC
Waukee 36 State Com No. 11H (API No. 30-015-49018)
SL: 2240' FSL & 735' FWL (Unit L) Section 31, 17S, 28E
BHL: 2135' FSL & 50' FWL (Unit L) Section 36, 17S, 27E

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

Well Drilled: 11/2021
Status: Active Producer
NE Red Lake Glorita-Yeso Pool



12 1/4" Hole. Set 9 5/8" Csg. @
1,853'. Cemented with 635 Sx.
Cement Circulated to Surface

8 3/4" Hole. Set 7" Csg. @ 3,916'
then Crossover and Set 5 1/2" @ 9,319'
Cemented with 1545 sx.
Cement Circulated to Surface

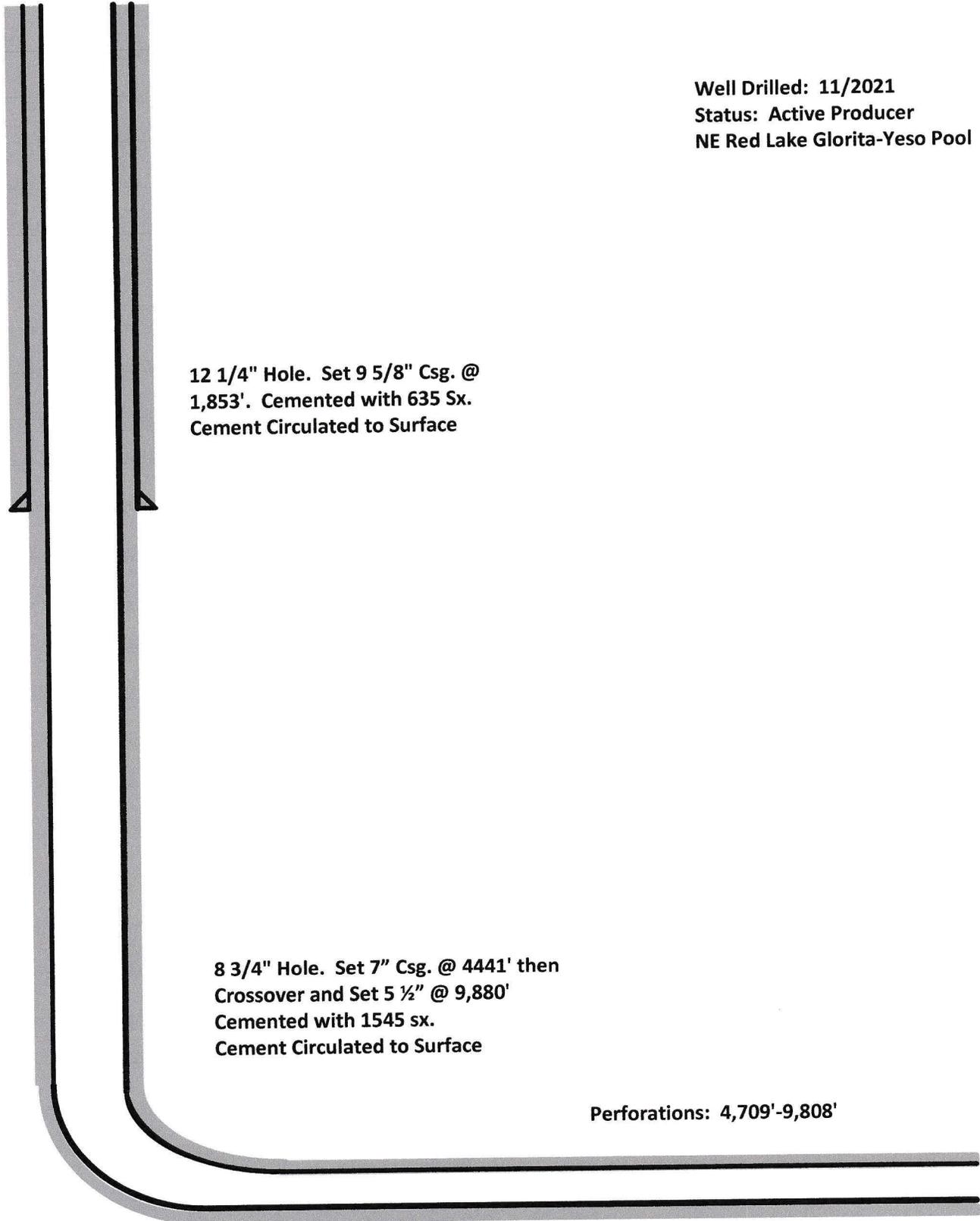
Perforations: 4,166'-9,251'

MD: 9,319' TVD: 3,457'

Spur Energy Partners, LLC
Waukee 36 State Com No. 51H (API No. 30-015-49019)
SL: 2220' FSL & 735' FWL (Unit L) Section 31, 17S, 28E
BHL: 1830' FSL & 50' FWL (Unit L) Section 36, 17S, 27E

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

Well Drilled: 11/2021
Status: Active Producer
NE Red Lake Glorita-Yeso Pool



12 1/4" Hole. Set 9 5/8" Csg. @
1,853'. Cemented with 635 Sx.
Cement Circulated to Surface

8 3/4" Hole. Set 7" Csg. @ 4441' then
Crossover and Set 5 1/2" @ 9,880'
Cemented with 1545 sx.
Cement Circulated to Surface

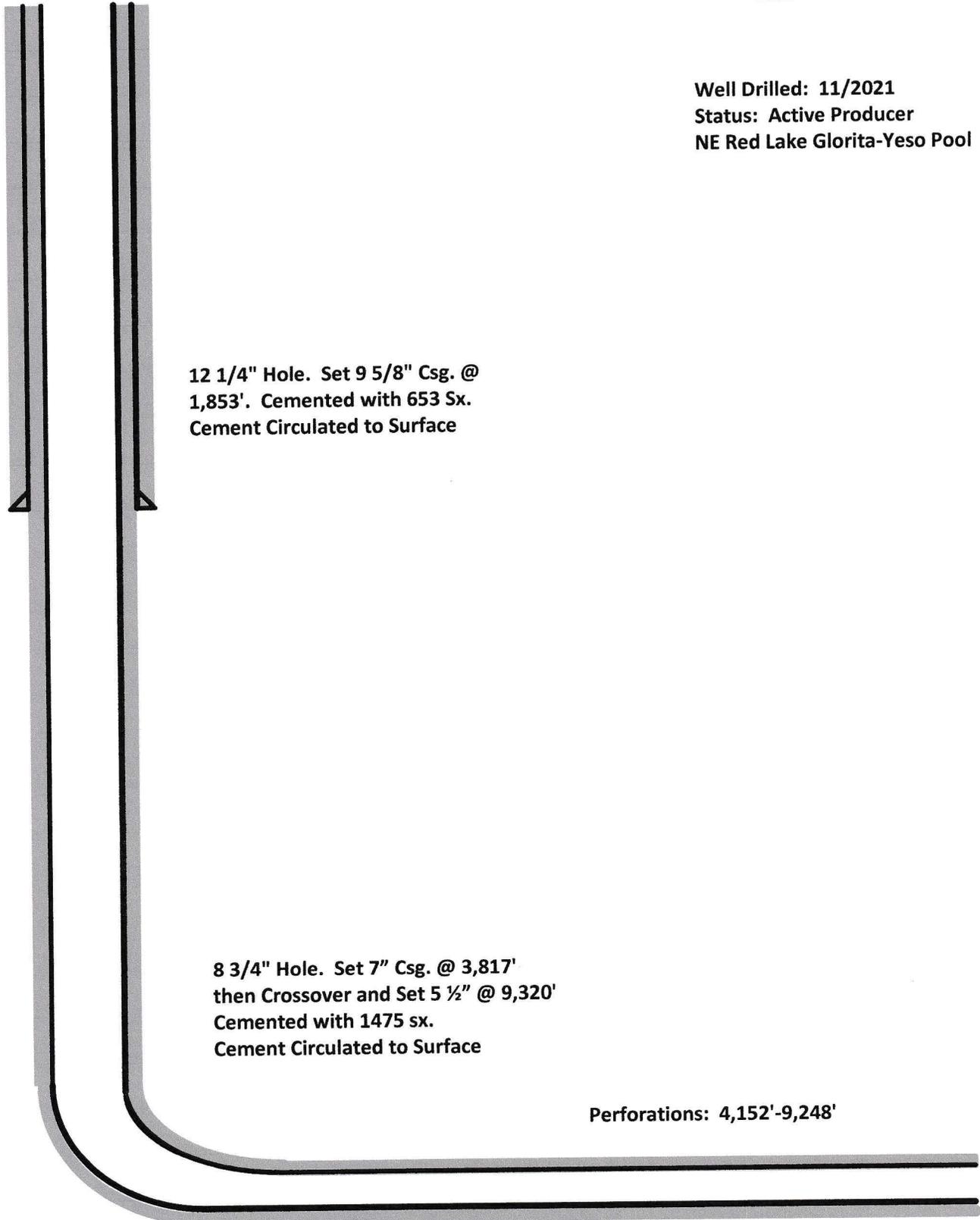
Perforations: 4,709'-9,808'

MD: 9,803' TVD: 3,950'

Spur Energy Partners, LLC
Waukee 36 State Com No. 2H (API No. 30-015-49020)
SL: 775' FSL & 745' FWL (Unit M) Section 31, 17S, 28E
BHL: 1260' FSL & 50' FWL (Unit M) Section 36, 17S, 27E

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

Well Drilled: 11/2021
Status: Active Producer
NE Red Lake Glorita-Yeso Pool



12 1/4" Hole. Set 9 5/8" Csg. @
1,853'. Cemented with 653 Sx.
Cement Circulated to Surface

8 3/4" Hole. Set 7" Csg. @ 3,817'
then Crossover and Set 5 1/2" @ 9,320'
Cemented with 1475 sx.
Cement Circulated to Surface

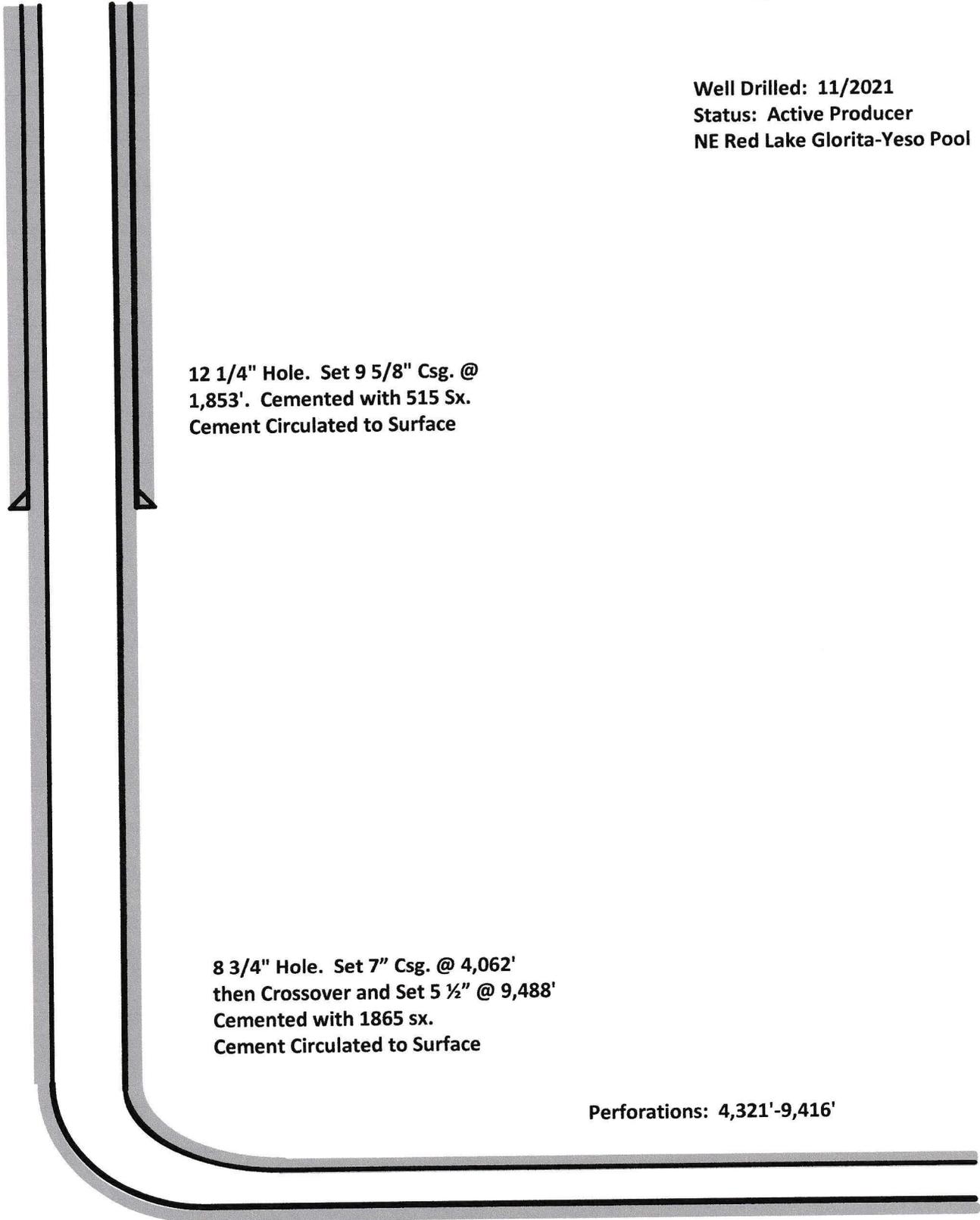
Perforations: 4,152'-9,248'

MD: 9,320' TVD: 3,308'

Spur Energy Partners, LLC
Waukee 36 State Com No. 10H (API No. 30-015-49026)
SL: 755' FSL & 745' FWL (Unit M) Section 31, 17S, 28E
BHL: 380' FSL & 50' FWL (Unit M) Section 36, 17S, 27E

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

Well Drilled: 11/2021
Status: Active Producer
NE Red Lake Glorita-Yeso Pool



MD: 9,488' TVD: 3,550'

Legacy Reserves Operating, LP
South Red Lake II Unit No. 43 (API No. 30-015-23913)
1650' FSL & 1650' FWL (Unit K)
Section 36, T-17S, R-27E, NMPM, Eddy County, NM

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

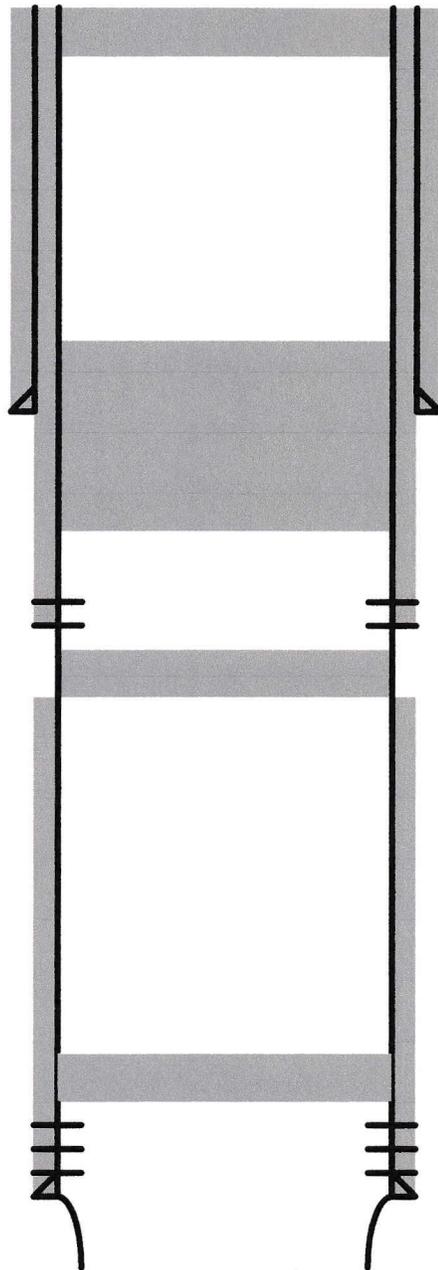
Perforated @ 60'. Squeezed
w/30 Sx. to Surface

12 1/4" Hole. Set 8 5/8" Csg.
@ 452'. Cemented with 450
Sx. Cement Circulated to
Surface

Set 25 Sx. @ 645'. Tagged @ 335'

Set 25 Sx. @ 1100'. Tagged @ 998'

7 7/8" Hole. Set 4 1/2" Csg.
@ 1,764'. Cemented with
610 sx. TOC @1,330'



452'

Cemented via 1" from 620' to Surface

Perforated @ 1,040'.
Squeezed w/100 Sx.

TOC @ 1330' (Well File)

Set 25 Sx. @ 1,650'

Perforations: 1,698'-1,738'
1,764'

T.D. 1,785'

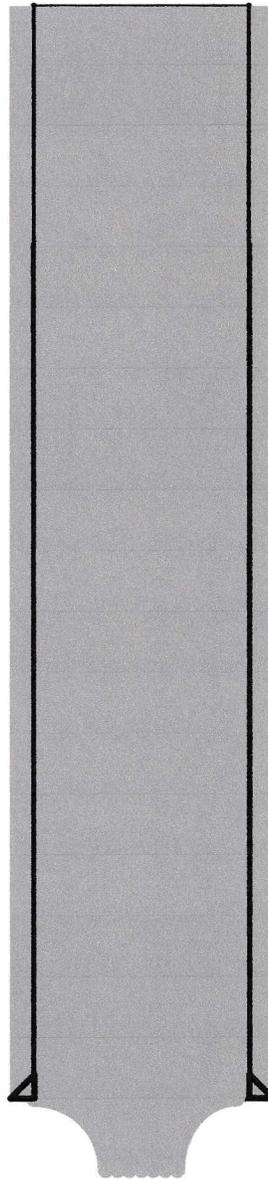
Well Drilled: 9/1981
Status: PA'd 9/2011
Red Lake Qn-Gb-SA Pool

**Rojo Grande, LLC
RAMAPO No. 5 (API No. 30-015-30937)
1650' FSL & 1704' FWL (Unit K)
Section 36, T-17S, R-27E, NMPM, Eddy County, NM**

**Form C-108 Application
Tarco Energy, LC
Magruder No. 11**

**Well Drilled: 1/2000
Status: PA'd 12/2001
Empire Yates SR Pool**

Fill Casing to Surface w/64 Cubic Feet of Ready Mix.



**7 7/8" Hole Set 5 1/2" Csg.
@ 495'. Cemented with 65 Sx.
Cement Circulated to Surface
(Well File)**

**495'
Open Hole Completion: 495'-562'**

T.D. 562'

Tarco Energy, LC
Delhi No. 3 (API No. 30-015-01217)
2310' FSL & 990' FWL (Unit L)
Section 36, T-17S, R-27E, NMPM, Eddy County, NM

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

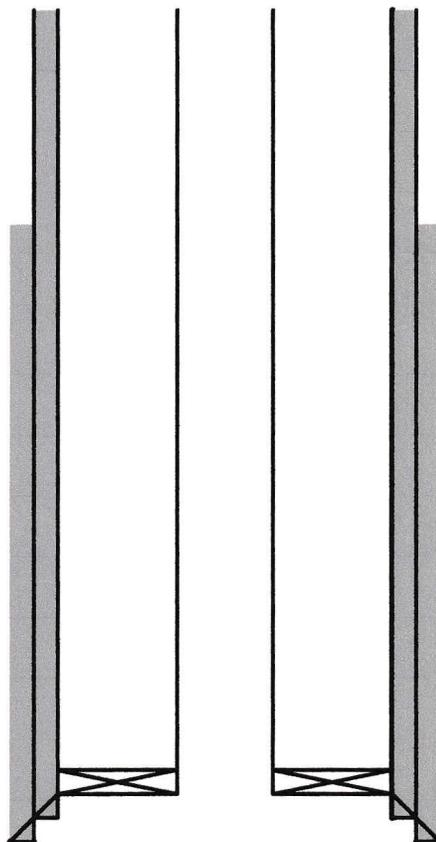
Well Drilled: 3/1949
Status: Active Producer
Empire Yates SR Pool

TOC @ 175' by Calc.

2 3/8" Tubing

Set 4 1/2" Csg. @ 447'.
Cemented with ?? sx.
Cement Circulated to Surface
(Well File)

8" Hole. Set 7" Csg. @ 448'.
Cemented with 33 Sx.
TOC @ 175' by Calculation



447'

448'

T.D. 475'

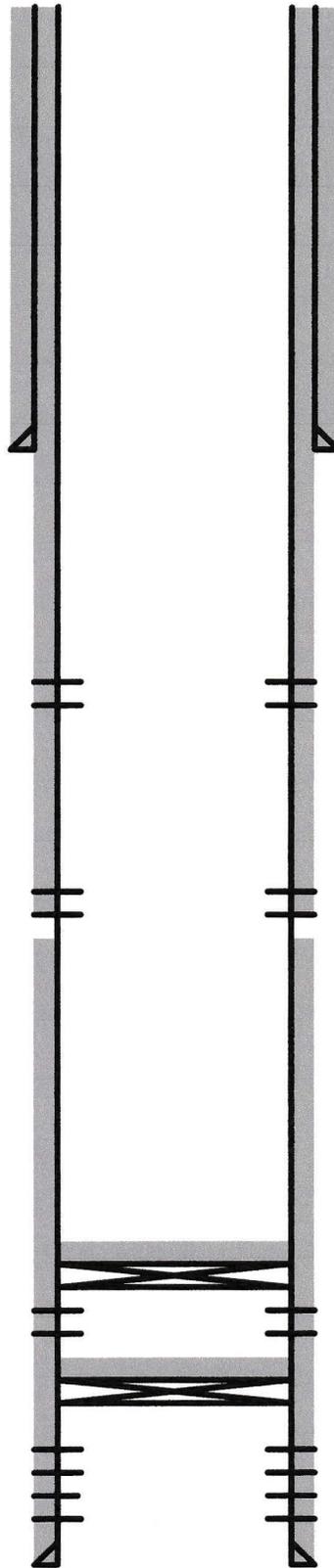
Open Hole Production: 448'-475'

Apache Corporation
Empire Abo Unit No. 17 (API No. 30-015-00676)
330' FSL & 990' FWL (Unit M)
Section 36, T-17S, R-27E, NMPM, Eddy County, NM

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

11" Hole. Set 8 5/8" Csg. @
1102'. Cemented with 450 Sx.
Cement Circulated to Surface

Well Drilled: 2/1960
Status: TA'd 5/2020
Empire-Abo Pool



Perforate @ 1875' & Squeeze
Cemented w/375 Sx. TOC @ Surface

Perforate @ 3,190' & Squeeze
Cemented w/375 Sx. TOC @ 1,875'

Original TOC @ 3,230'

CIBP @ 5,300' w/4 Sx.

Abo Perforations: 5,330'-5,432'

CIBP @ 5,500' w/2 Sx.

Abo Perforations: 5,650'-5,670'
Squeezed w/100 Sx.

Abo Perforations: 5,507'-5,784'

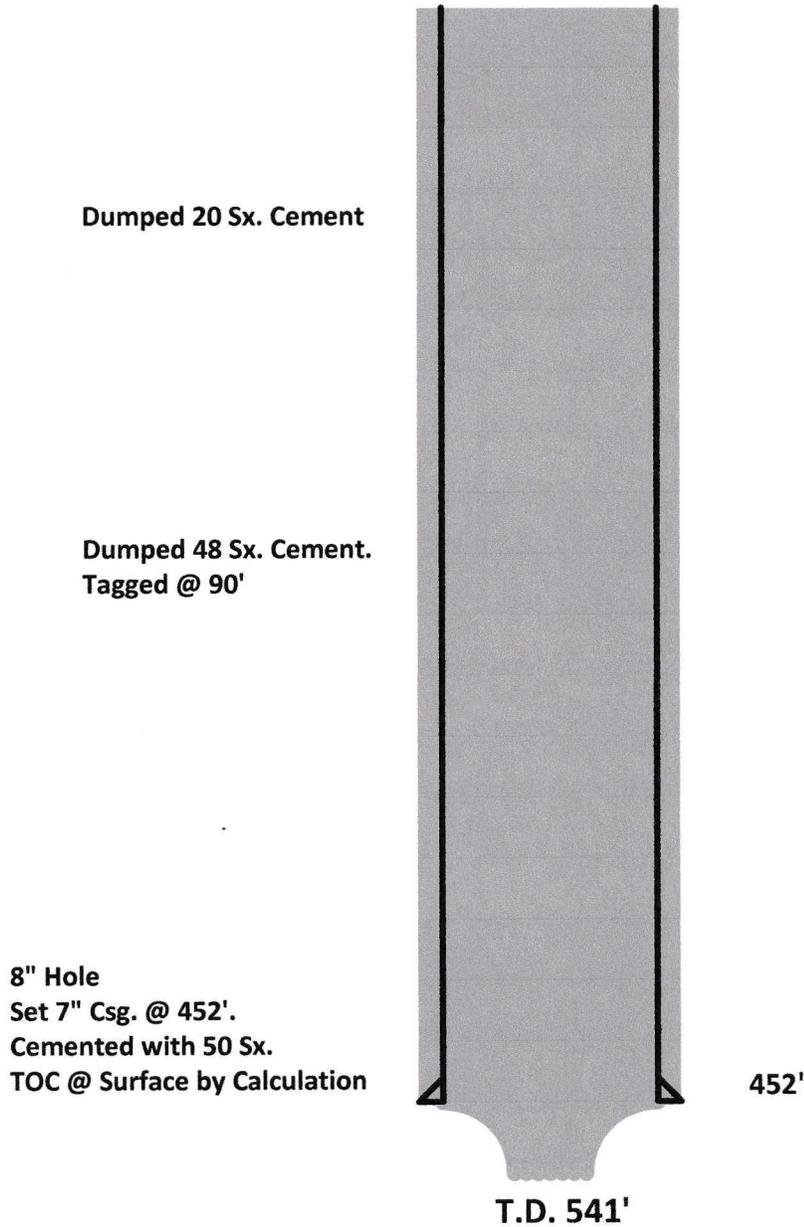
7 7/8" Hole. Set 5 1/2" Csg. @ 5,797'.
Cemented w/300 Sx.
TOC @ 3,230' by CBL

T.D. 5,797'

Aspen Oil Company
State E No. 1 (API No. 30-015-00648)
954' FSL & 940' FWL (Unit M)
Section 36, T-17S, R-27E, NMPM, Eddy County, NM

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

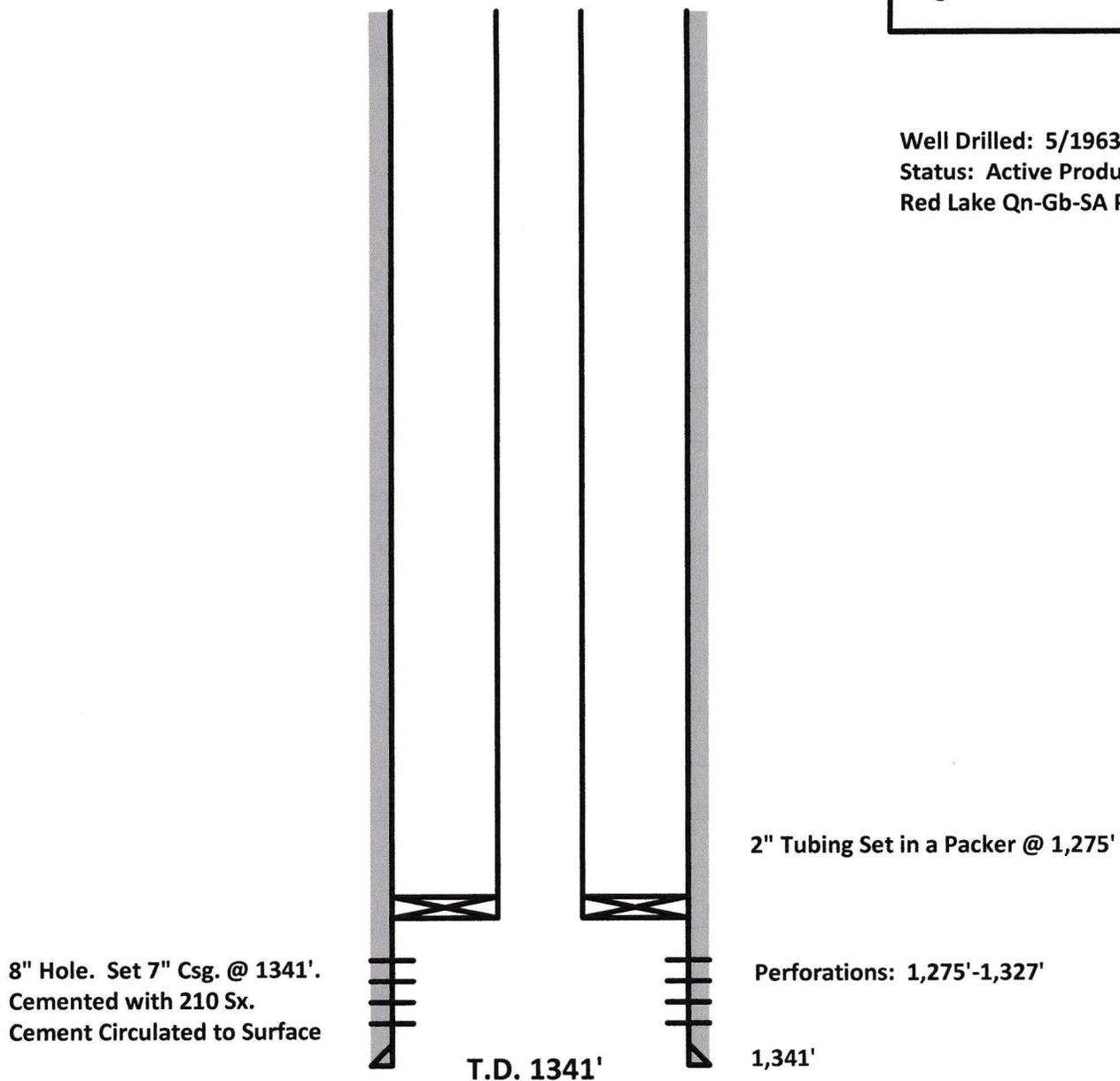
Well Drilled: 10/1947
Status: PA'd 12/2004
Empire Yates SR Pool



LLJ Ventures, LLC d/b/a/ Marker Oil & Gas
State No. 6 (API No. 30-015-10184)
330' FSL & 920' FWL (Unit M)
Section 36, T-17S, R-27E, NMPM, Eddy County, NM

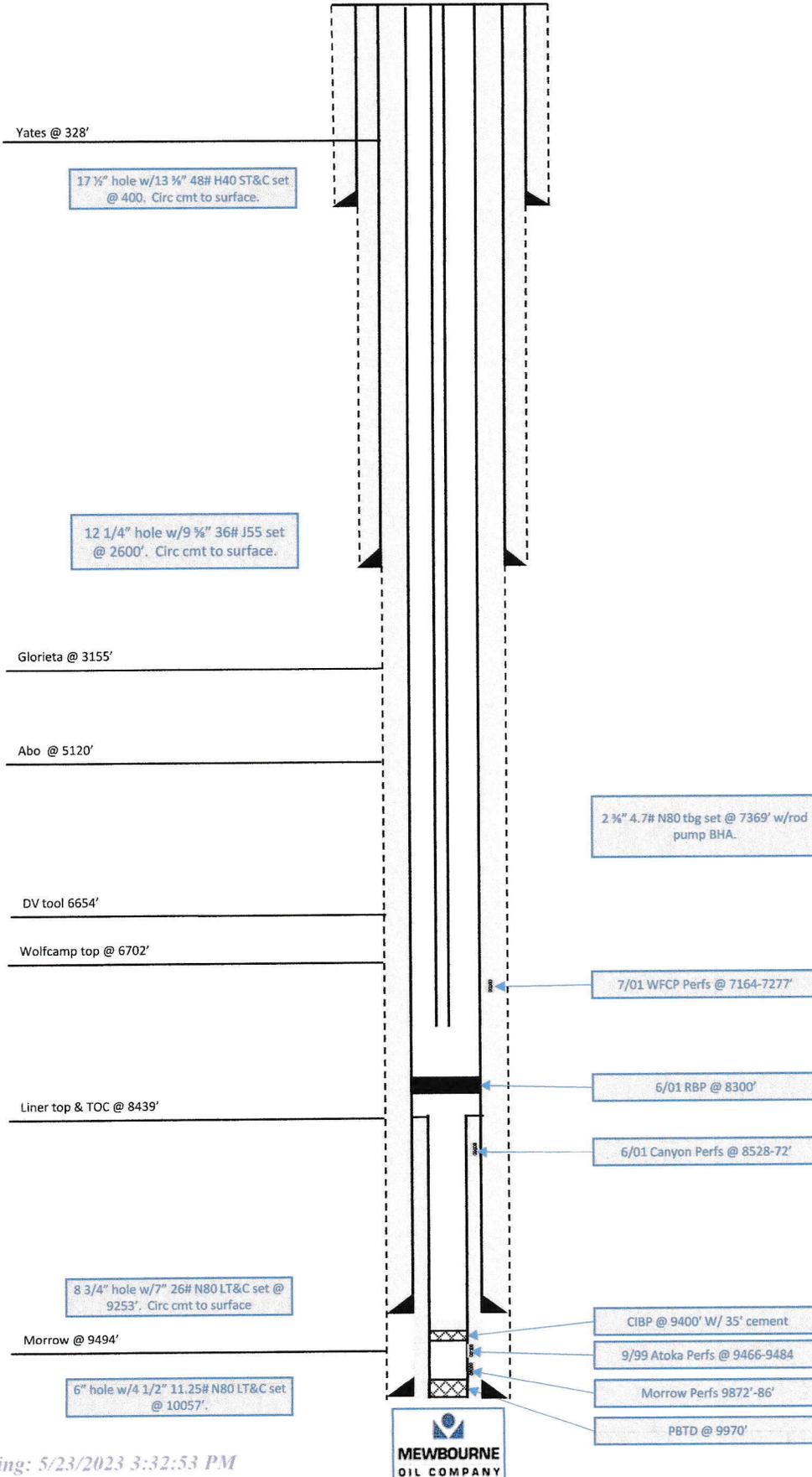
Form C-108 Application
Tarco Energy, LC
Magruder No. 11

Well Drilled: 5/1963
Status: Active Producer
Red Lake Qn-Gb-SA Pool



Chalk Bluff 36 #1 WBS

660' FSL & 990' FWL, Sec. 36 - T17S - R27E - Eddy Co, NM
API 30-015-27286



Pronghorn Management Corp.
State M No. 1
(API No. 30-015-24612)
790' FSL & 990' FWL (Unit M)
Section 36, T-17S, R-27E, NMPM, Eddy County, NM

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

Well Drilled: 9/1983
Status: PA'd 4/2009
Red Lake Qn-Gb-SA Pool

11 1/4" Hole. Set 8 5/8" Csg. @
291'. Cemented with 200 Sx.
Cement Circulated to Surface

Set 30 Sx. Cement Plug
350'-Surface'.

Set 35 Sx. Cement Plug @
1,216'. Tagged at 830'

7 7/8" Hole. Set 5 1/2" Csg. @ 1,451'.
Cemented with 400 sx.
Cement Circulated to Surface

Perforations: 1,253'-1,376'

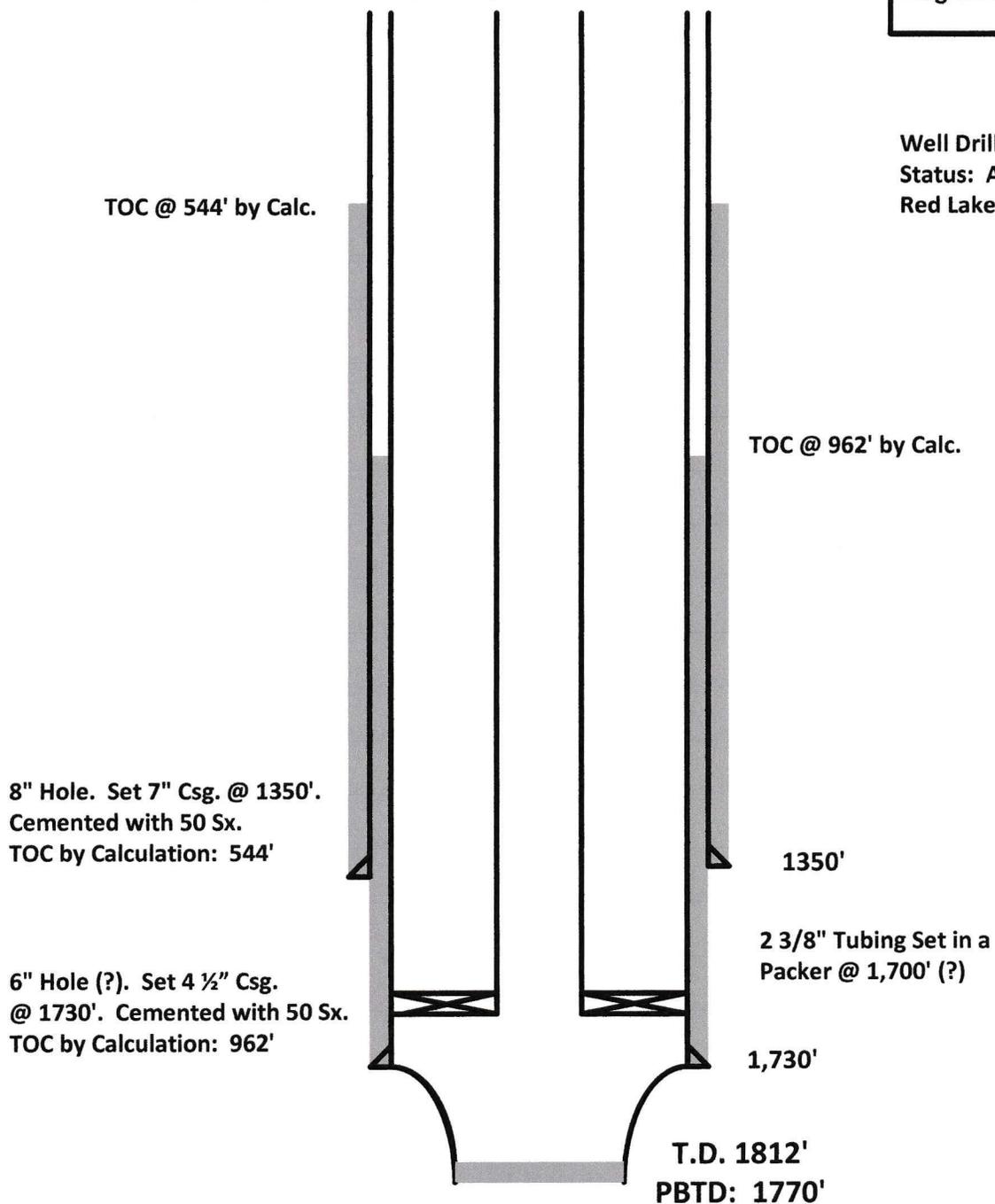
T.D. 1,451'

1,451'

Remnant Oil Operating, LLC
South Red Lake II Unit No. 28
(API No. 30-015-00683)
965' FSL & 1650' FWL (Unit N)
Section 36, T-17S, R-27E, NMPM, Eddy County, NM

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

Well Drilled: 3/1948
Status: Active Injector
Red Lake Qn-Gb-SA Pool



Rojo Grande, LLC
RAMAPO No. 4 (API No. 30-015-00682)
990' FSL & 1650' FWL (Unit N)
Section 36, T-17S, R-27E, NMPM, Eddy County, NM

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

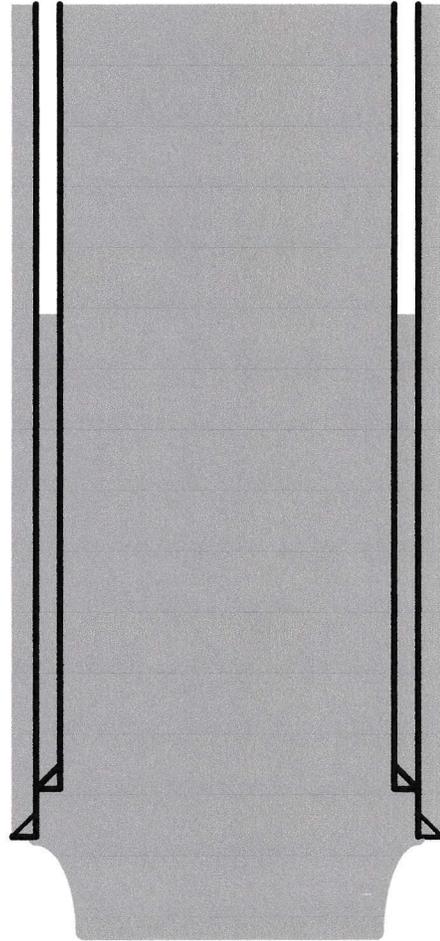
Well Drilled: 7/1942
Status: PA'd 1/2000
Empire Yates SR Pool

PA'd 1/2000 by Filling Up
Hole to Surface w/Ready
Mix.

TOC @ 302' by Calc.

8" Hole. Set 7" Csg. @ 413'.
Cemented with 25 Sx.
TOC @ Surface by Calc.

Set 5½" Csg. @ 503'.
Cemented with 10 sx.
TOC by Calc. @ 302'



413'
503'

T.D. 541'

GH Freeman 1-6-04
 + 2005x 50:50 WZMIX 5/INCR
 650 SX INCR w/ 6% gel

4 1/2" @ 175'
 PBT D 6140'
 5900-5950' S&T D Dil. d. + 500 515'
 5872-5872'
 CIBP @ 5730'
 5696-5703' S&T D
 5628-5660' S&T D
 CIBP @ 5580'
 5392'-5546' (22)
 CIBP @ 5360' + 35' cont.
 4581-4944 (20) Yeso 1
 CIBP @ 4530'
 3990-4395' (25) Yeso 2
 3371'-3678' (25) Yeso 3

After

6 3/4" hole

WHIPSTOCK @ 2866'

original TOC 2376' CBL

w/ 6 7/8" salt

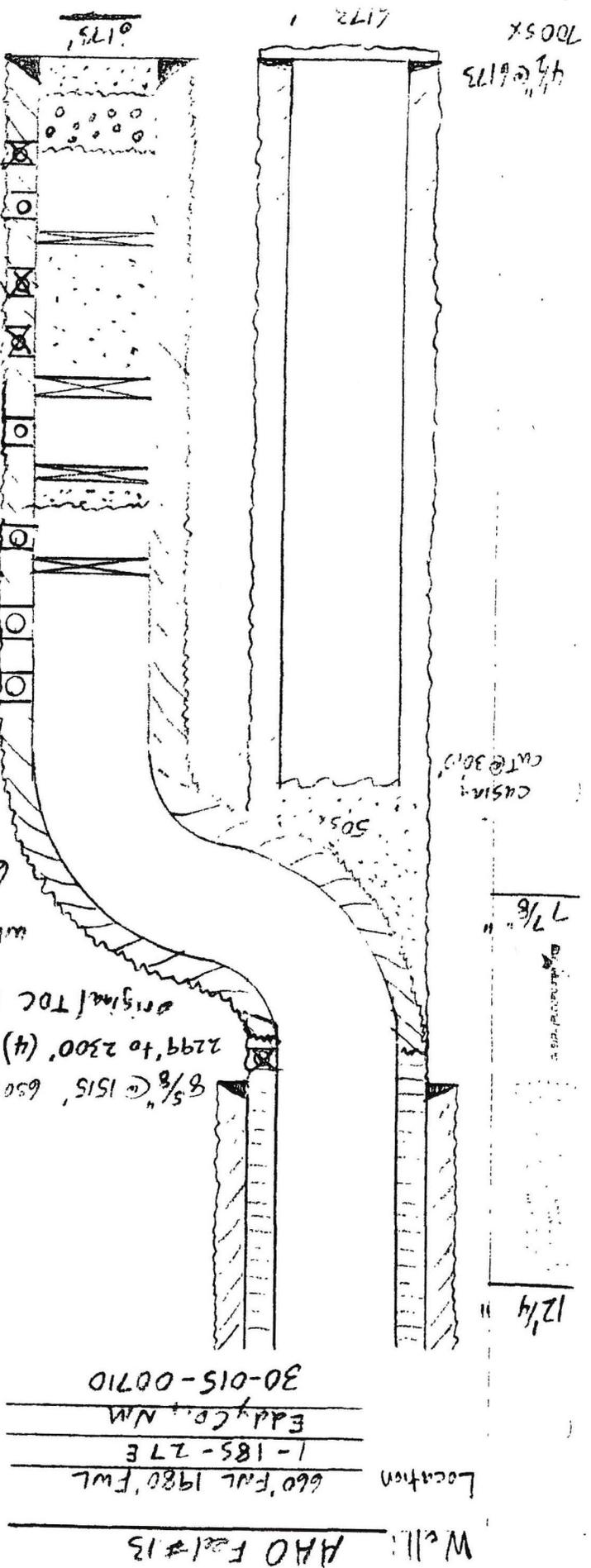
2299' to 2300' (4) S&T D w/ 450 SX HLW w/ 6 7/8" salt + 150 SX

8 5/8" @ 1515' 650 SX INCR w/ 6% gel + 100 SX neat (circ.)

			4.7	JSS	EUE
			9.5	JSS	STC 6173
			24	JSS	STC 1517

Casing Program:

Size: 12' AGL
 NB: 3623'
 GL: 3611'



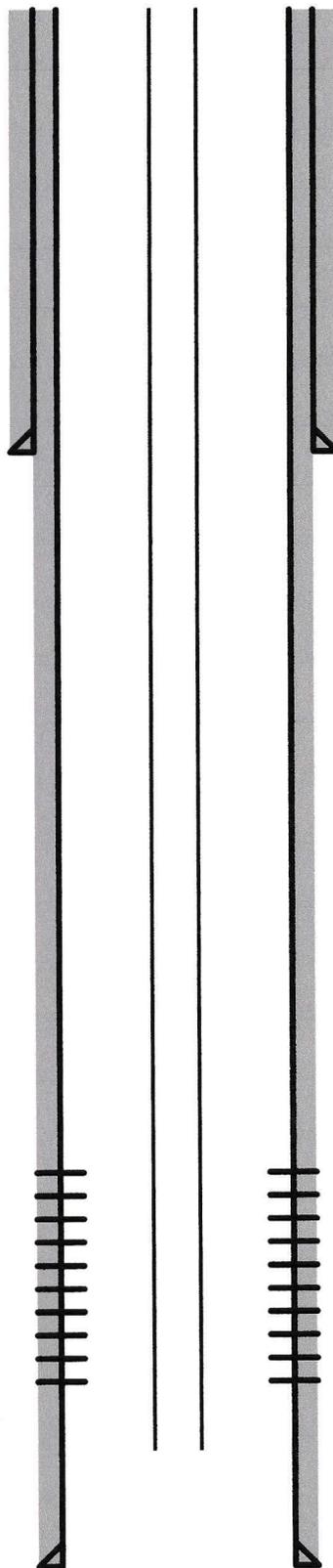
Well: AHO Fall #13
 Location: 660' Fall 1980' FWL
 1-185-27E
 Eddy Co. NM
 30-015-00710

Apache Corporation
AAO Federal No. 21 (API No. 30-015-42334)
1005' FNL & 1630' FWL (Unit C)
Section 1, T-18S, R-27E, NMPM, Eddy County, NM

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

Well Drilled: 5/2014
Status: Active Producer
NE Red Lake Glorieta-Yeso Pool

17 1/2" Hole. Set 13 3/8" Csg.
@ 378'. Cemented with 530 Sx.
Cement Circulated to Surface



2 7/8" Tubing Set @ 4,390'

Glorieta-Yeso Perforations:
3,268'-4,296'

7 7/8" Hole. Set 5 1/2" Csg. @ 4,625'.
Cemented w/1120 Sx.
Cement Circulated to Surface

T.D. 4,625'

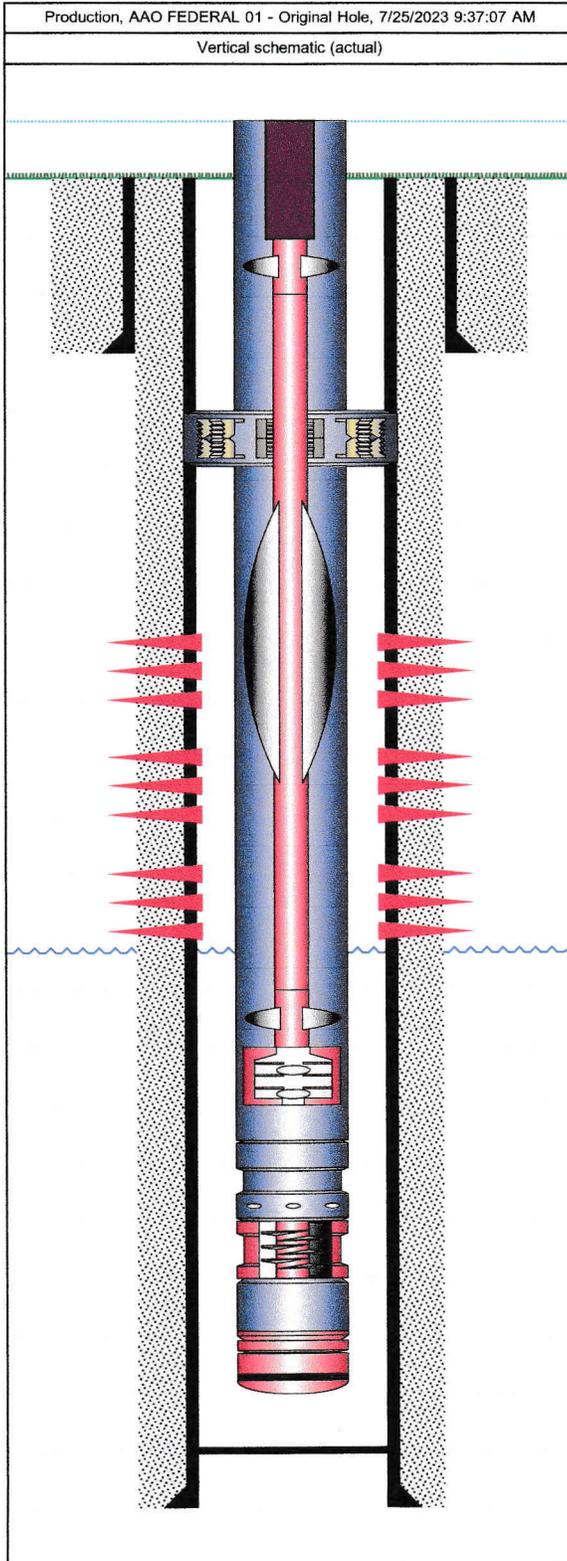


WBD Current

Well Name: AAO FEDERAL #001

Reference Datum: KB

API/Surface Loc 3001532307	Surface Legal Location	Field Name Red Lake NE (BP)	State/Province New Mexico	Well Purpose Production
Spud Date 11/20/2002 00:00	Original KB Elevation (ft) 3,642.0	Ground Elevation (ft) 3,630.0	KB-Ground Distance (ft) 12.0	
PBTD (All) (ftKB) Original Hole - 3,838		Total Depth All (TVD) (ftKB)		



Wellbore Sections					
Section Description	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date	
Surface	12 1/4	12.0	377.0	11/20/2002	
Prod 1	7 7/8	377.0	3,851.0	11/26/2002	

Casing Strings				
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	8 5/8	24.00	J-55	377.00
Prod 1	5 1/2	17.00	J-55	3,851.00

Cement Stages				
Description	String	Top (ftKB)	Btm (ftKB)	Start Date
Prod 1, 3,851.00ftKB, 5 1/2		2,271.00	2,306.00	
Surface, 377.00ftKB, 8 5/8		12.00	377.00	11/21/2022
Prod 1, 3,851.00ftKB, 5 1/2		12.00	3,851.00	11/28/2022

Tubing Strings							
Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)				
Tubing - Rod Pump	3/11/2005	3,736.30	3,736.3				
Item Des	Jts	Make/Manufacturer	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Tubing	66		T&C Non-Upset	2 7/8	6.40	J-55	2,208.00
Anchor/catcher	1		Baker	5 1/2	23.00	N-80	3.20
Tubing	46		T&C Non-Upset	2 7/8	6.40	J-55	1,497.00
Seat Nipple	1			2 7/8	7.20	N-80	1.10
Desander	1			2 7/8			6.00
Mud Anchor	1			2 7/8			20.00
Bull Plug	1			2 7/8			1.00

Rod Strings							
Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)				
Rod	3/12/2005	3,708.0	3,708.0				
Item Des	Jts	Make/Mfg.	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Polished Rod	1	Generic Manufacturer	Alloy Steel	1 1/4		AS	26.00
Lift Sub	1	Generic Manufacturer		7/8			4.00
Guided Sucker Rod	13	Generic Manufacturer	API Grade K	7/8	2.22	K	3,656.00
Lift Sub	1	Generic Manufacturer		7/8			2.00
Rod Insert Pump	1	Generic Manufacturer		2 1/2			20.00

Other In Hole					
Description	OD (in)	Top (ftKB)	Btm (ftKB)	Run Date	

Perforations						
Date	Type	Top (ftKB)	Btm (ftKB)	Prop?	Shot Dens (shots/ft)	Entered Shot Total
11/30/2002		2,356	2,770	No		23
11/30/2002		2,974	3,071	No		8
11/30/2002		3,340	3,618	No		20

Plug Back Total Depths			
Date	Type	Depth (ftKB)	Depth (TVD) (ftKB)
11/27/2002	DV Tool	3,838	

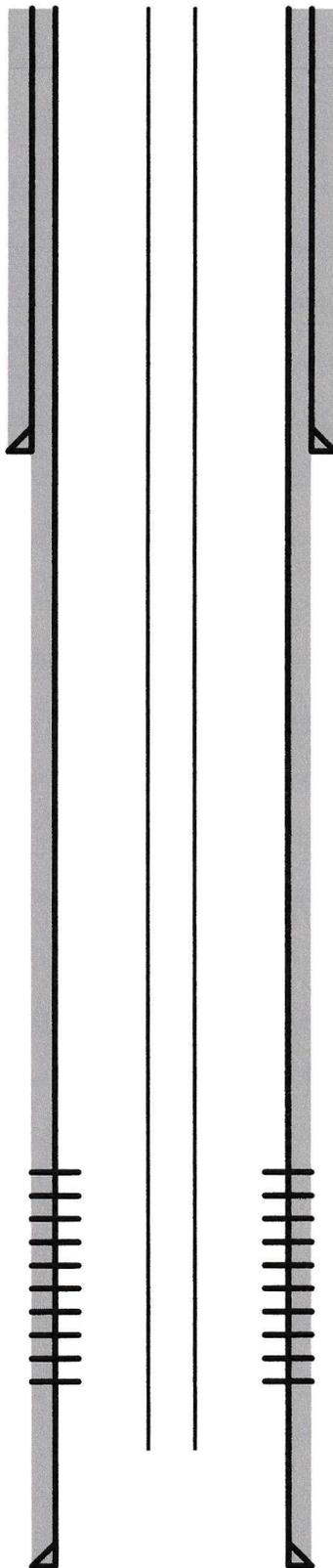
Comments
Comment 2010-MARBOB
Comment ARTESIA (MAES)
Comment EUNICE (MILLS)

Apache Corporation
AAO Federal No. 22 (API No. 30-015-42335)
790' FNL & 330' FWL (Unit D)
Section 1, T-18S, R-27E, NMPM, Eddy County, NM

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

Well Drilled: 7/2014
Status: Active Producer
NE Red Lake Glorieta-Yeso Pool

17 1/2" Hole. Set 13 3/8" Csg.
@ 355'. Cemented with 530 Sx.
Cement Circulated to Surface



2 7/8" Tubing Set @ 4,383'

Glorieta-Yeso Perforations:
3,218'-4,322'

7 7/8" Hole. Set 5 1/2" Csg. @ 4,514'.
Cemented w/1075 Sx.
Cement Circulated to Surface

T.D. 4,514'

Pan American Petroleum Corporation
Malco Refinery "F" No. 10 (API No. 30-015-00712)
647' FNL & 667' FWL (Unit D)
Section 1, T-18S, R-27E, NMPM, Eddy County, NM

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

Set 12 Sx. Plug 0-112'

Well Drilled: 10/1959
Status: PA'd 1/1987
Empire Abo Pool

11" Hole. Set 8 5/8" Csg. @
1473'. Cemented with ?? Sx.
Cement Circulated to Surface
(Well File)

TOC @ 986'

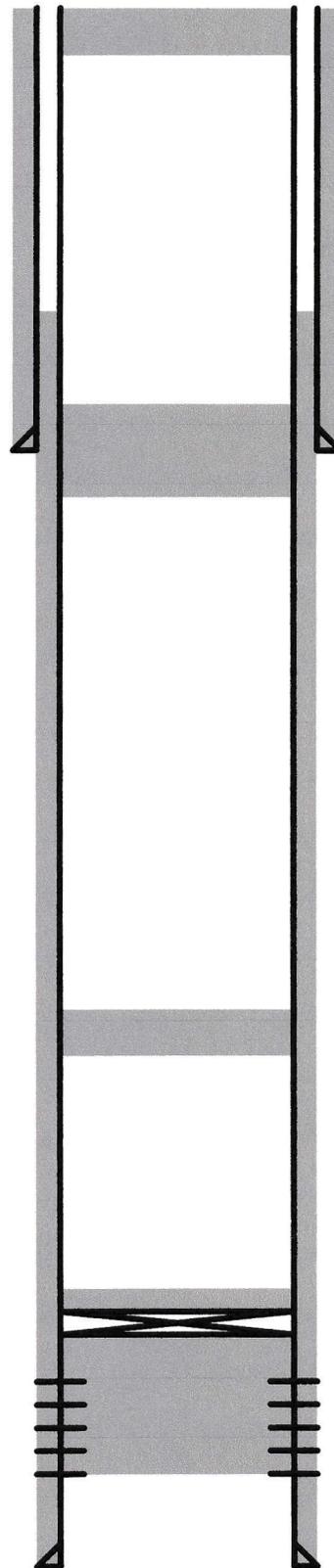
Set 15 Sx. Plug 1,325'-1,487'
1,473'

Set 15 Sx. Plug 3,450'-3,617'

Cement Retainer @ 5,560'
w/15' of Cement on Top

Abo Perforations: 5,651'-5,848'
Squeezed w/100 Sx.

7 7/8" Hole. Set 4 1/2" Csg. @ 5,900'.
Cemented w/850 Sx.
TOC @ 986' by Calculation



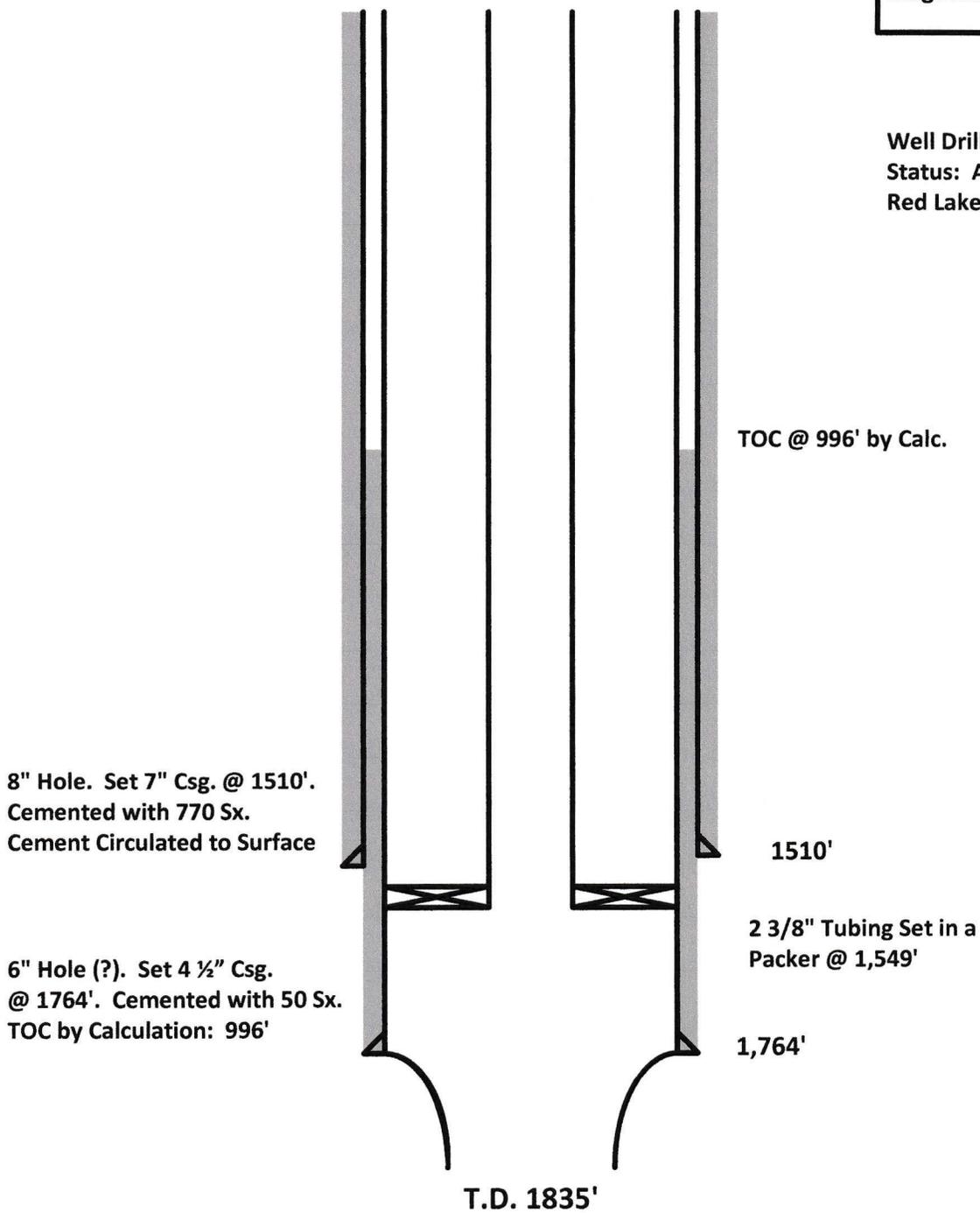
5,900'

T.D. 5,900'

Remnant Oil Operating, LLC
South Red Lake II Unit No. 37
(API No. 30-015-00715)
330' FNL & 330' FWL (Unit D)
Section 1, T-18S, R-27E, NMPM, Eddy County, NM

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

Well Drilled: 2/1948
Status: Active Injector
Red Lake Qn-Gb-SA Pool



Apache Corporation
AAO Federal No. 5 (API No. 30-015-32959)
1650' FNL & 875' FWL (Unit E)
Section 1, T-18S, R-27E, NMPM, Eddy County, NM

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

Well Drilled: 11/2003
Status: PA'd 6/2017
NE Red Lake Glorieta-Yeso Pool
& Red Lake Qn-Gb-SA Pool

Perforate Casing @ 100'.
Squeezed Perfs @ 100' w/25 Sx.
Set 16 Sx. @ 162' to Surface.

12 1/4" Hole. Set 8 5/8" Csg. @
357'. Cemented with 300 Sx.
Cement Circulated to Surface

Set 25 Sx. Cement @ 407'. Tagged
@ 162'

Set 25 Sx. Cement @ 1,072'.
Tagged @ 778'

Set CIBP @ 2,100' w/40 Sx. Cement

Qn-Gb-SA Perforations:
2,129'-2,789'

Set CIBP @ 3,300' w/25 Sx. Cement

Glorieta-Yeso Perforations:
3,380'-3,658'

7 7/8" Hole. Set 5 1/2" Csg. @ 3,892'.
Cemented w/800 Sx.
Cement Circulated to Surface

T.D. 3,900'



ARCO Oil & Gas Company
Empire Abo Unit J No. 17 (API No. 30-015-00704)
1980' FNL & 660' FWL (Unit E)
Section 1, T-18S, R-27E, NMPM, Eddy County, NM

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

Set 20 Sx. Cement @ 100'-Surface

TOC @ 353'

Well Drilled: 3/1959
Status: PA'd 1/1987
Empire Abo Pool

12 1/4" Hole. Set 8 5/8" Csg. @
1,473". Cemented with 700 Sx.
TOC @ Surface by Calculation

Set 20 Sx. Cement 1,410'-1,530"

Set 20 Sx. Cement @ 3,775'-3,900'

Set Cement Retainer @ 5,773' &
Squeezed Perforatons w/150 Sx.

Abo Perforations: 5,875'-5,910'

7 7/8" Hole. Set 5 1/2" Csg. @ 5990'.
Cemented w/740 Sx.
TOC @ 353' by Calculation

T.D. 5,960'

Mack Energy Corporation
State "H" No. 1 (API No. 30-015-00745)
1980' FNL & 660' FEL (Unit H)
Section 2, T-18S, R-27E, NMPM, Eddy County, NM

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

Set 15 Sx. Cement 164'-Surface

Well Drilled: 1/1959
Status: PA'd 3/2008
Empire Abo Pool

13 3/4" Hole. Set 10 3/4" Csg.
@ 974". Cemented with 500 Sx.
TOC @ Surface by Calculation

Set 25 Sx. Cement 1,267'-899'

Perforate 7" Csg. @ 1,100' & Squeezed
w/500 Sx. Cement. Cement Circulated
to Surface

Perforate 7" Csg. @ 2,500' & Squeezed
w/500 Sx. Cement. TOC @ 1,100'

Set 25 Sx. Cement 2,872'-2,504'

TOC @ 3,215'

Set CIBP @ 5,300' w/35' of Cement on Top
Perforations: 5,477'-5,550'

Set CIBP @ 5,575' w/1 Sx. Cement

Perforations: 5,375'-5,546'

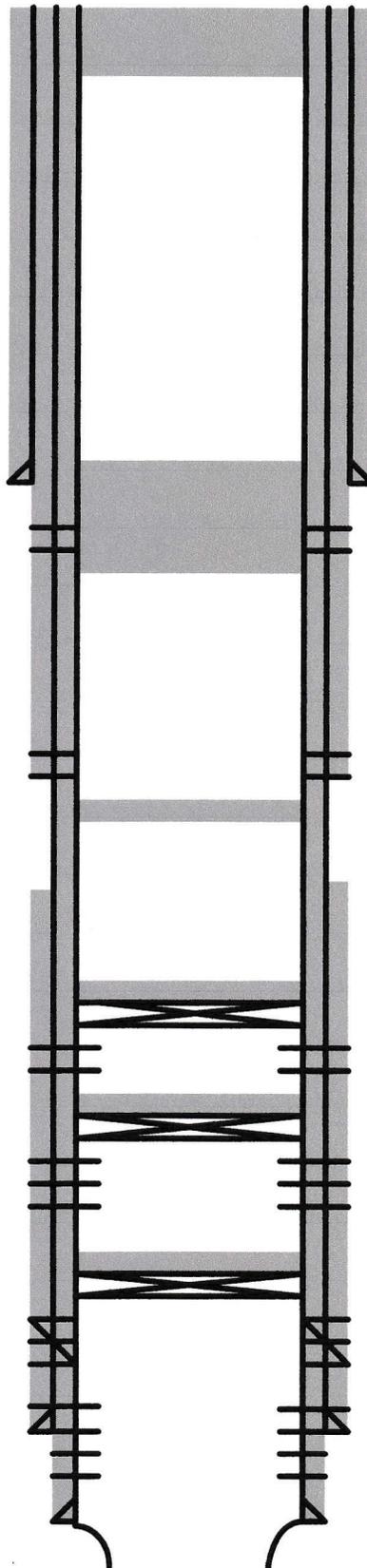
Set CIBP @ 5,580' w/2 Sx. Cement

Original Perforations from 5,586'-
5,783' Squeezed w/300 Sx. Cement

Perforations: 5,832'-5,962'

8 3/4" Hole. Set 7" Csg. @ 5865'.
Cemented w/300 Sx.
TOC @ 3,215' (Well File)

6 1/8" Hole. Set 4 1/2" Csg. @
6,140'. Cemented w/480 Sx.
Cement Circulated to Surface
(Well File)



T.D. 6,140'

Riley Permian Operating Co., LLC
State "H" No. 2 (API No. 30-015-35814)
SL: 2630' FNL & 441' FEL (Unit H)
BHL: 2300 FNL & 340' FEL (Unit H)
Section 2, T-18S, R-27E, NMPM, Eddy County, NM

Form C-108 Application
Tarco Energy, LC
Magruder No. 11

Well Drilled: 10/2007
Status: Active Producer
NE Red Lake Glor. Yeso

17 1/2" Hole. Set 13 3/8" Csg. @
201'. Cemented with 250 Sx.
Cement Circulated to Surface

12 1/4" Hole. Set 8 5/8" Csg. @
1170'. Cemented w/675 Sx.
Cement Circulated to Surface

2 7/8" Tubing Set @ 4,243'

Perforations: 3,364'-4,197'

Set CIBP @ 5,300' w/ 35' of Cement on Top

Perforations: 5,391'-5,957'

Set CIBP @ 6,020' w/ 35' of Cement on Top

Perforations: 6,134'-6,434'

7 7/8" Hole. Set 5 1/2" Csg. @
7,445'. Cemented 1st Stage
w/530 Sx. Circulated. Cemented
2nd Stage w/365 Sx. Cement
Circulated to Surface

T.D. 7,445'

Form C-108
Tarco Energy, LC
Magruder No. 11
Section 35, T-17 South, R-27 East, NMPM,
Eddy County, New Mexico

Attached are the results of a search for any fresh water wells within 1-mile of the Magruder No. 11. No fresh water wells were found.

Also, an analysis of injectate and formation fluid is not required since we are only re-injecting produced water from the same formation.

**New Mexico Office of the State Engineer
Fresh Water Wells Located Within 1-Mile
of the Tarco Energy, LC Magruder Well No. 11**

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

No records found.

PLSS Search:

Section(s): 1-2 Township: 18S Range: 27E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

WAT

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

No records found.

PLSS Search:

Section(s): 34-36 Township: 17S Range: 27E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

WATER COLUMN/ AVERAGE DEPTH TO WATER

10/4/23 9:13 AM

Form C-108
Tarco Energy, LC
Magruder No. 11
Section 35, T-17 South, R-27 East, NMPM,
Eddy County, New Mexico

Seismicity Analysis is not required. Injection formation is at a depth of 400'-600'

C-108 Application
 Tarco Energy, LC
 Magruder No. 11(API No. 30-015-00629)
 330' FSL & 482' FEL (Unit P)
 Section 35, T-17S, R-27E, NMPM
Eddy County, New Mexico

- I. The purpose of the application is to request approval to expand the Russell C Lease Pressure Maintenance Project by converting the Magruder No. 11 to an injection well in the Yates-Seven Rivers formation, (Empire; Yates-Seven Rivers Pool; 22230).
- II. Tarco Energy, LC ("Tarco")
 3805 109th Street
 Lubbock, Texas 79423
 Contact Party: Joe Tarver (806) 787-5138
- III. Injection well data sheet and wellbore schematic diagram showing the proposed wellbore configuration of the Magruder No. 11 is attached. The Magruder No. 11 is currently a producing well in the Empire; Yates Seven Rivers Pool.
- IV. This is an expansion of the Russell C Lease Pressure Maintenance Project. This project was approved by Order No. R-13680, issued in Case No. 14931 on February 14, 2013. That order authorized Tarco to utilize its Russel C Well No. 3 (API No. 30-015-37783) located in Unit O of Section 35, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico as an injection well, injection to occur into the Yates-Seven Rivers formation (Empire; Yates-Seven Rivers Pool; 22230) through the perforated interval from 418 feet to 460 feet. The project was further expanded by Orders No. PMX-280 dated February 18, 2019, PMX-305 dated November 4, 2021, and PMX-317 dated November 14, 2022. These orders authorized Tarco to convert to injection its Brad State No. 1 (API No. 30-015-40618), Brad State No. 6 (API No. 30-015-00719), both located in Lot 3/Unit C of Section 2, Township 18 South, Range 27 East, and its Magruder No. 19 (API No. 30-015-37744) located in J of Section 35, Township 17 South, Range 27 East, NMPM. The current boundary of the Russel C Lease Pressure Maintenance Project is described as follows:

Russel C Lease Pressure Maintenance Project Area

Township 17 South, Range 27 East, NMPM

Section 35: SE/4, E/2 SW/4 & SW/4 SW/4

Township 18 South, Range 27 East, NMPM

Section 2: NW/4 NE/4 & NE/4 NW/4

- V. Attached is a map that identifies all leases and wells within a 2-mile radius of the proposed injection well and a map that identifies all wells within the 1/2-mile "Area of Review" ("AOR"). Also attached is a map that shows the injection/production well pattern within the project area. Tarco will basically utilize a line drive injection pattern to efficiently and effectively produce the remaining reserves in the Empire; Yates-Seven Rivers Pool underlying the project area.
- VI. **Area of Review Well Discussion:**

Tarco Energy, LC
Form C-108 (Application for Authorization to Inject)
Magruder No. 11
Page 2

Attachment "A" is a list that identifies **all** wells within the ½ mile AOR for the Magruder No. 11. All wells whose construction and plugging detail were previously submitted to the Division in the initial hearing application and subsequent PMX applications as cited above, are shown on Pages 1 & 2 of the well list. **(Please note that an inspection of Division records for these wells was conducted to make sure that the status of these wells has not changed since the previous presentation to the Division).** Wells shown on Page 3 of this Attachment "A" are those AOR wells whose construction and/or plugging detail have **not** been previously provided to the Division. Schematic diagrams for each of these wells are attached, except for those wells on this list that show "Cancelled APD".

Please note that Orders No. R-13680, PMX-280, PMX-305 and PMX-317 did not require Tarco to perform any remedial work on any active or plugged and abandoned well within the aforesaid area of reviews for either the Russell C Well No. 3, Brad State No. 1, Brad State No. 6 or Magruder No. 19.

An analysis of the AOR well data presented in this application, and in consideration of the method Tarco proposes to conduct injection operations, indicate that all wells are adequately constructed and/or plugged and abandoned to prevent migration of fluid from the proposed injection well to any producing zones or underground sources of drinking water.

VII. Tarco's Proposed Operation

1. The average injection rate into the Magruder No. 11 is anticipated to be approximately 90 BWPD. Tarco has found that a low injection rate combined with low injection pressure provides better response in its producing wells. If this rate increases in the future, the Division will be notified.
2. This will be a closed system.
3. Tarco currently does not inject into any injection well within the project at a surface pressure greater than 0 psi. As previously mentioned, Tarco has found that injection at hydrostatic pressure at the formation face (approximately 178 psi) provides sufficient reservoir energy to maintain adequate producing rates in offset producing wells and should provide Tarco the opportunity to recover additional oil and gas from the project area that may otherwise not be recovered, thereby preventing waste. Tarco does not anticipate injection to occur into the Magruder No. 11 at a surface pressure greater than 0 psi., however, if necessary, a pressure limit of 0.2 psi/ft. or 89 psi, which is in compliance with Division regulations, will be utilized.
4. Injected fluid will be re-injected water from the Empire; Yates-Seven Rivers Pool. No compatibility issues are anticipated.
5. N/A. Injection will be into the productive Empire; Yates-Seven Rivers Pool for the purpose of increasing the ultimate recovery of oil within the project area.

Discussion:

Tarco Energy, LC
 Form C-108 (Application for Authorization to Inject)
 Magruder No. 11
 Page 3

- A. Tarco previously conducted a fluid level analysis on the Brad State Wells No. 2 and 4, both located in Unit C of Section 2, Township 18 South, Range 27 East, NMPM. After a shut-in period of several days, both wells showed a fluid level of 363 feet, or 50 feet above the perforated intervals of 413 feet and 415 feet, respectively. This indicates a reservoir pressure within the Empire Yates-Seven Rivers Pool of approximately 22 psi;
- B. By maintaining pumped-off conditions within Tarco's eleven producing wells within the project area, a negligible reservoir pressure will be sustained during the period of injection into the Russell C Well No. 3, Brad State Wells No. 1 and 6 and the Magruder Wells No. 11 and 19;
- C. Given the low injection rates and pressures, Tarco believes that the reservoir pressure in the Empire; Yates-Seven Rivers Pool will not be sufficient to cause any significant upward migration of fluid from the proposed injection interval. Consequently, area of review wells will not be affected by injection; and
- D. Injection into the Russell C No. 3 well has been ongoing since approximately April, 2013. There is currently no evidence to indicate that injection has caused migration of fluid from the injection interval or has otherwise affected any deeper producing zones.

VIII. Geologic Formation: Yates-Seven Rivers
 Estimated Top: 350'
 Thickness: 180'
 Lithology: Sand or Sandy Dolomite.
 Description: The productive intervals in the Yates-Seven Rivers formation are approximately 3-7 feet thick and are separated by either dense dolomite or anhydrite zones. Porosity in the "B", "C", "D" and "E" intervals is approximately 15% or greater.

USDW's: According to data obtained from the New Mexico State Engineer ("OSE"), there are no fresh water wells located within one mile of the Magruder No. 11 (See attached OSE report). On a more regional basis, OSE data indicates that there are numerous fresh water wells in Townships 17 & 18 South, Range 28 East, NMPM. This data indicates that the average depth to fresh water ranges from 13 feet to 145 feet, with an average depth to water of 52 feet. Given the reservoir pressures in the Empire; Yates-Seven Rivers Pool, the parameters of operation as outlined above, and the depth of fresh water in this area, it is highly unlikely that the proposed injection will cause migration of injected fluid into any underground source of fresh water via any plugged or active area of review wells.

IX. No stimulation is currently planned.

Tarco Energy, LC
Form C-108 (Application for Authorization to Inject)
Magruder No. 11
Page 4

- X. Division records indicate that no well logs of record were run on the Magruder No. 11. Given the shallow depth and construction of the subject well, it would not be feasible to run well logs on the well at this time.
- XI. There are no fresh water wells located within one mile of the Magruder No. 11.
- XII. Affirmative statement is enclosed.
- XIII. Proof of Notice is enclosed. Proof of Publication is attached.

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: <u>Tarco Energy, LC</u>	OGRID Number: <u>279579</u>
Well Name: <u>Magruder No. 11</u>	API: <u>30-015-00629</u>
Pool: <u>Empire; Yates-Seven Rivers Pool</u>	Pool Code: <u>22230</u>

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

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
- A. Location – Spacing Unit – Simultaneous Dedication
 NSL NSP (PROJECT AREA) NSP (PRORATION UNIT) SD
- B. Check one only for [I] or [II]
- [I] Commingling – Storage – Measurement
 DHC CTB PLC PC OLS OLM
- [II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

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

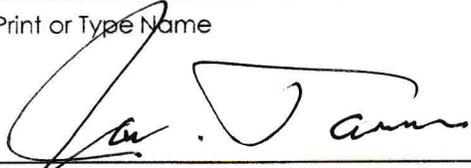
FOR OCD ONLY	
<input type="checkbox"/>	Notice Complete
<input type="checkbox"/>	Application Content Complete

3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Joe Tarver, President

Print or Type Name



Signature

2/4/2025
Date

(806) 787-5138
Phone Number

LionJoe@cycleforlifeproject.com
e-mail Address

February 4, 2025

Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attention: Mr. Gerasimos Razatos
Acting Division Director

Re: Form C-108
Magruder No. 11
API No. (30-015-00629)
330' FSL & 482' FEL, Unit P
Section 35, T-17S, R-27E, NMPM,
Eddy County, New Mexico

Dear Mr. Razatos,

By Order No. R-13680 dated February 14, 2013 the Oil Conservation Division ("OCD") approved the Tarco Energy, LC ("Tarco") Russell C Lease Pressure Maintenance Project authorizing injection into the Yates-Seven Rivers formation (Empire; Yates-Seven Rivers Pool) within the Russell C Well No. 3 located in Unit O of Section 35, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico.

The Russell C Lease Pressure Maintenance Project currently comprises the following described acreage:

Township 17 South, Range 27 East, NMPM
Section 35: SE/4, NE/4 SW/4, SW/4 SW/4, SE/4 SW/4

Township 18 South, Range 27 East, NMPM
Section 2: NW/4 NE/4, NE/4 NW/4

By Administrative Orders No. PMX-280 dated February 18, 2019, PMX-305 dated November 4, 2021 and PMX-317 dated November 14, 2022, the OCD authorized Tarco to expand the Russell C Lease Pressure Maintenance Project by converting its Brad State Wells No. 1 and 6, both located in Lot 3/Unit C of Section 2, Township 18 South, Range 27 East, and its Magruder No. 19 located in Unit J of Section 35, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico, to injection into the Empire Yates-Seven Rivers Pool.

Tarco respectfully requests authority to further expand its Russell C Lease Pressure Maintenance Project by converting to injection the Magruder No. 11, as described above. This well is currently a producing well in the Empire; Yates Seven Rivers Pool.

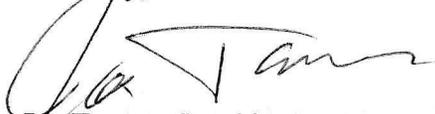
Tarco Energy, LC
Form C-108, PMX Expansion
Magruder No. 11
February 4, 2025

Tarco is seeking administrative approval to expand the Russell C Lease Pressure Maintenance Project in order to complete an efficient injection/production well pattern in this project, thereby increasing the ultimate recovery of oil from the Empire; Yates Seven Rivers Pool.

Enclosed please find a copy of Oil Conservation Division Form C-108, (Application for Authorization to Inject) complete with all required attachments, for the Magruder No. 11.

I believe that all the information necessary to approve the application is enclosed. If additional information is needed, please contact me at (806) 787-5138.

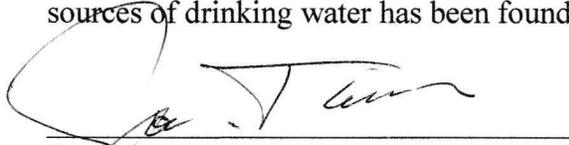
Sincerely,



**Joe Tarver, President
Tarco Energy, LC
3805 109th Street
Lubbock, Texas 79423**

Form C-108
Affirmative Statement
Tarco Energy, LC
Magruder No. 11
Section 35, T-17 South, R-27 East, NMPM,
Eddy County, New Mexico

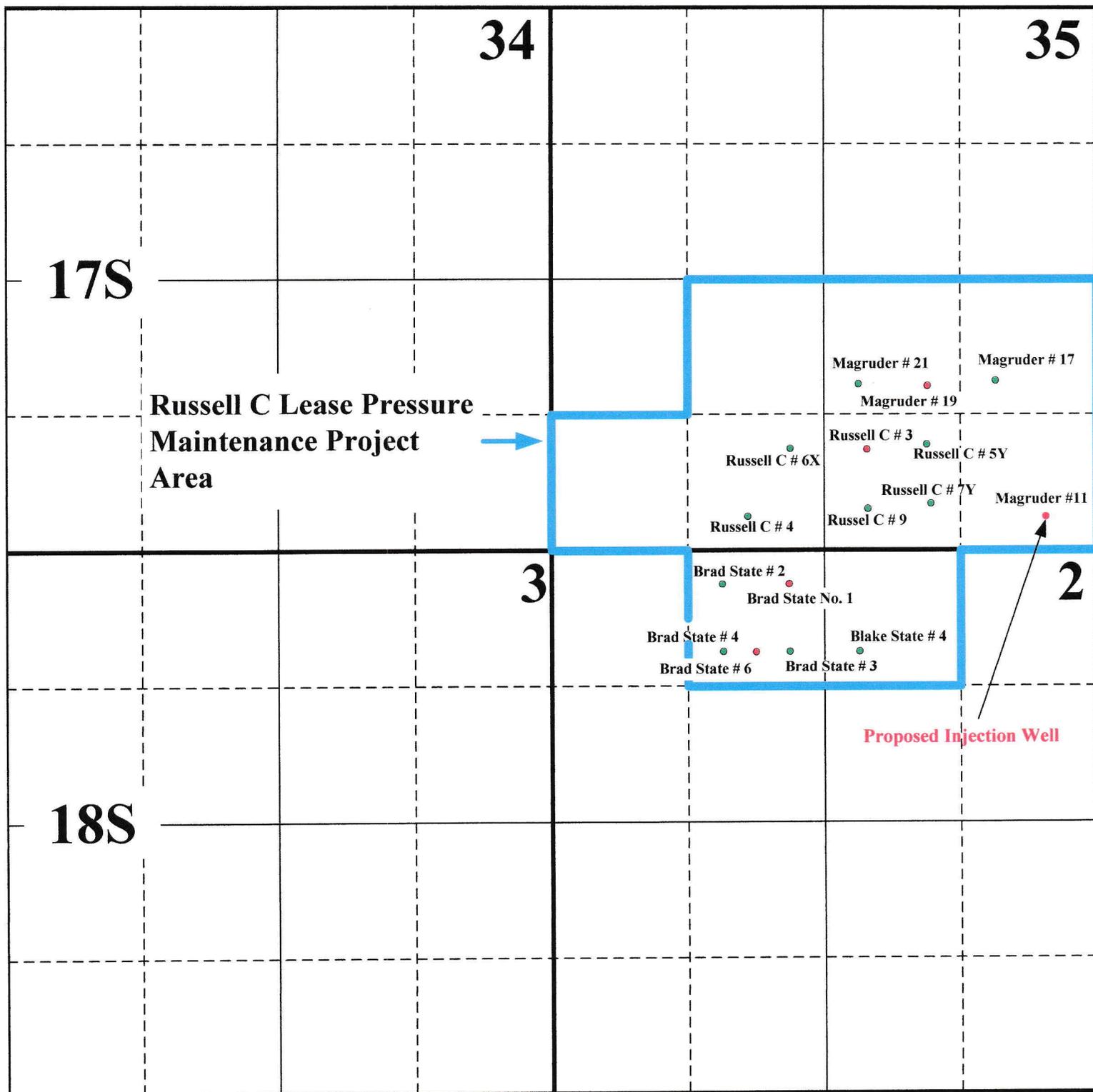
Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.



Joe Tarver
President, Tarco Energy, LC

02-04-2025
Date

27E



Tarco Energy, LC
PMX Application: Magruder No. 11
Injection/Production Well Pattern

- Existing or Proposed Injection Well
- Existing Producing Well

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 436232

CONDITIONS

Operator: TARCO ENERGY, LC 3805 109th Street Lubbock, TX 79423	OGRID: 279579
	Action Number: 436232
	Action Type: [C-108] Fluid Injection Well (C-108)

CONDITIONS

Created By	Condition	Condition Date
erica.gordan	None	5/7/2025