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

APPLICATION OF SPUR ENERGY PARTNERS LLC FOR APPROVAL OF A PRESSURE MAINTENANCE PROJECT, EDDY COUNTY, NEW MEXICO.

CASE NO._____

APPLICATION

Spur Energy Partners LLC ("Spur"), through its undersigned attorneys, hereby files this application with the Oil Conservation Division for an order approving a pressure maintenance project in the Yeso formation underlying a project area comprised of all of Section 36, Township 18 South, Range 25 East, and the W/2 W/2 of Section 31, Township 18 South, Range 26 East, NMPM, Eddy County, New Mexico. In support of its application, Spur states:

1. Spur Energy Partners LLC (OGRID No. 328947) is the operator of the following horizontal wells drilled and completed in the Penasco Draw; San Andres, Yeso Pool (Pool Code 50270):

- Pinto 36 State Com 1H (API No. 30-015-39781);
- Pinto 36 State Com 2H (API No. 30-015-39969);
- Pinto 36 State Com 4H (API No. 30-015-40058);
- Pinto 36 State Com 5H (API No. 30-015-39970);
- Pinto 36 State Com 6H (API No. 30-015-39971);
- Pinto 36 State Com 7H (API No. 30-015-39973);
- Pinto 36 State Com 8H (API No. 30-015-41667);
- Pinto 36 State 9H (API No. 30-015-42877);
- Pinto 36 State Com 27H (API No. 30-015-43399);

- Pinto 36 State 60H (API No. 30-015-49171);
- Pinto 36 State 70H (API No. 30-015-49172);
- Pinto 36 State 90H (API No. 30-015-49173); and
- Falabella 31 Fee 1H (API No. 30-015-40814).

2. Spur seeks approval to inject produced gas into the **Pinto 36 State Com #003H well** (API No. 30-015-39782) at a total vertical depth of approximately 2,311 feet to approximately 2,673 feet along the horizontal portion of this wellbore. Spur anticipates injection through this well will provide pressure maintenance support for its offsetting wells identified in paragraph 1, above.

3. Spur seeks authority to inject produced gas into the Penasco Draw; San Andres, Yeso Pool at a maximum surface injection pressure of 463 psi with an average surface injection pressure of approximately 300 psi. Spur proposes to inject produced gas at a maximum rate of 10 MMCF per day with an average daily injection rate of approximately 5 MMCF per day.

4. The source of produced gas will be the Penasco Draw; San Andres, Yeso Pool.

5. The project area for this pressure maintenance injection project will comprise all of Section 36, Township 18 South, Range 25 East, and the W/2 W/2 of Section 31, Township 18 South, Range 26 East, NMPM, Eddy County, New Mexico.

6. A copy of the Form C-108 for this injection project is provided with this application as **Attachment A**.

7. A copy of this Application has been provided to all affected parties as required by Division Rules and notice of the hearing on this application will be provided in a newspaper of general circulation in Eddy County.

8. Approval of this pressure maintenance project will result in the production of substantially more hydrocarbons from the project area than would otherwise be produced, will prevent waste, and will not impair correlative rights.

WHEREFORE, Spur Energy Partners LLC requests that this application be set for hearing before an Examiner of the Oil Conservation Division on July 6, 2023, and, after notice and hearing as required by law, the Division approve this application.

Respectfully submitted,

HOLLAND & HART LLP

By: _____

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ATTORNEYS FOR SPUR ENERGY PARTNERS LLC

Case No.:_____ **Application of Spur Energy Partners LLC for Approval of a Pressure Maintenance Project, Eddy County, New Mexico.** Applicant in the above-styled cause seeks an order approving a pressure maintenance project in the Yeso formation underlying a project area comprised of all of Section 36, Township 18 South, Range 25 East, and the W/2 W/2 of Section 31, Township 18 South, Range 26 East, NMPM, Eddy County, New Mexico. Produced gas will be injected into the Penasco Draw; San Andres, Yeso Pool (Pool Code 50270) through the **Pinto 36 State Com #003H well** (API No. 30-015-39782) at a total vertical depth of approximately 2,311 feet to approximately 2,673 feet along the horizontal portion of this wellbore. Spur seeks approval to inject at a maximum surface injection pressure of 463 psi with an average surface injection pressure of approximately 300 psi. Spur proposes to inject produced gas at a maximum rate of 10 MMCF per day with an average daily injection rate of approximately 5 MMCF per day. The source of the produced gas will be the Penasco Draw; San Andres, Yeso Pool. The proposed project is located approximately 10 miles south of Artesia, New Mexico.

EXHIBIT A

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:

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: _____ **OGRID Number:** _____
Well Name: _____ **API:** _____
Pool: _____ **Pool Code:** _____

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

FOR OCD ONLY
☐ Notice Complete
☐ Application Content Complete

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

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

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

_____ Date

_____ Print or Type Name

_____ Phone Number

Nathan Allemon
_____ Signature

_____ e-mail Address

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 ___X___Pressure Maintenance _____Disposal _____Storage
Application qualifies for administrative approval? ___X_____Yes _____No

II. OPERATOR: Spur Energy Partners LLC

ADDRESS: 9655 Katy Freeway, SUite 500, Houston, TX 77024

CONTACT PARTY: Sarah Chapman PHONE: 832-930-8502

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 ___X_____No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

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:

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

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

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: Nathan Alleman TITLE: Sr. Regulatory Specialist

SIGNATURE:  DATE: 05/15/2023

E-MAIL ADDRESS: Nalleman@all-llc.com

XV. If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

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

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.

Application for Authorization to Inject
Well Name: Pinto 36 State Com #3H

III – Well Data (*The Wellbore Diagram is included as **Attachment 1***)

A.

(1) General Well Information:

Operator: Spur Energy Partners LLC (OGRID No. 328947)
Lease Name & Well Number: Pinto 36 State Com #3H
Location Footage Calls: 150 FNL & 2260 FEL
Legal Location: Unit Letter B, S36 T18S R25E
Ground Elevation: 3,465'
Proposed Injection Interval: 2,506' – 6,817' MD (2,311' – 2,673' TVD)
County: Eddy

(2) Casing Information:

Type	Hole Size	Casing Size	Casing Weight	Setting Depth (MD)	Sacks of Cement	Estimated TOC	Method Determined
Surface	12-1/4"	9-5/8"	36.0 lb/ft	1,227'	500	220	Temp Survey
Production Casing	8-3/4"	7" – 5-1/2"	17. - 26.0 lb/ft	6,817'	1070	Surface	Circulation
Tubing	N/A	2-7/8"	6.5 lb/ft	2,370'	N/A	N/A	N/A

Note: Crossover from 7" to 5-1/2" intermediate casing occurs at 1,624'.

(3) Tubing Information:

2-7/8" (6.5lbs/ft) J-55 IPC tubing with setting depth of 2,370' MD

(4) Packer Information: D&L Oil Tools ASI-X Packer or equivalent packer set at 2,370' MD

B.

(1) Injection Formation Name: Penasco Draw; SA-Yeso
Pool Name: Penasco Draw; Sa-Yeso (ASSOC)
Pool Code: 50270
(2) Injection Interval: Perforated injection between 2,311' – 2,673'VD (2,506' – 6,817' MD)
(3) Drilling Purpose: Recompletion for pressure Maintenance
(4) Other Perforated Intervals: No other perforated intervals exist.
(5) Overlying Oil and Gas Zones: Below are the approximate formation tops for known oil and gas producing zones in the area.

- San Andres (692')

Underlying Oil and Gas Zones: Below are the approximate formation tops for known oil and gas producing zones in the area.

- Morrow (9,008')

V – Well and Lease Maps

A ½-mile well details table with casing and plugging information for each of the plugged penetrating wells, as well as the following maps are included in ***Attachment 2***:

- 2-mile Oil & Gas Well Map
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership map
- Potash Lease Map

VI – AOR Well List

There are 13 wells within the 1/2-mile AOR, including six plugged wells that penetrate the proposed injection zone.

A list of the wells within the 1/2-mile AOR, and wellbore diagrams for each of the 6 plugged wells that penetrate the injection interval are included in ***Attachment 2***.

VII – Proposed Operation

(1) Proposed Maximum Injection Rate: 10 MMCF/day
Proposed Average Injection Rate: 5 MMCF/day
(2) A **closed system** will be used.
(3) Proposed Maximum Injection Pressure: 462.2 psi (surface)
Proposed Average Injection Pressure: approximately 300 psi (surface)
(4) Source Injectate Analysis: It is expected that the injectate will consist of gas produced from the Penasco Draw; Sa-Yeso formation and re-injected into the same formation for the purposes of pressure maintenance ***Attachment 3***.

VIII – Geologic Description

The proposed injection interval includes the Penasco Draw, Yeso formations from 2,311 – 2,673 feet. This formation consists predominantly of sandstones and siltstones of the Los Vallos and San Ysidro formations within the Yeso group. These formations are capable of taking gas produced from the subject formation(s) in the area.

The freshwater aquifers are the Artesian & Valley fill with the base of the USDW being located within the Grayburg Formation at approximately 690 feet. Water well depths in the area range from approximately 4.5 - 165 feet below ground surface.

IX – Proposed & Previous Stimulation Program

Spur does not plan to restimulate the Pinto 36 State Com #3H, however this well was previously stimulated in the following manner:

- Perforated from 2,506’ – 6,817’.
- Acidized toe with 5,000 Gal 15% Acid.
- Fracked with 157,975 gallons of water, 1,272,349 gallons of X-linked Gel carrying 1,740,701 lbs of 20/40 brown, 362,700 lbs 30/50, and 42,600# mesh sand.
- Circulated clean to TD with 2” coil TBG.

X – Logging and Test Data

Logs will be submitted to the Division upon completion of the well.

XI – Fresh Groundwater Samples

Based on a review of data from the New Mexico Office of the State Engineer, 19 groundwater wells are located within 1 mile of the proposed SWD location. Two of the water wells located within one mile were previously sampled and analyzed.

A water well map, details of water wells within 1-mile, and any associated water analyses are included in ***Attachment 4***.

XII – No Hydrologic Connection Statement

No faulting is present in the area that would provide a hydrologic connection between the injection interval and overlying USDWs. Additionally, the casing program has been designed to ensure there will be no hydrologic connection between the injection interval and overlying USDWs.

XIII – Proof of Notice

A Public Notice was filed with the Carlsbad Argus newspaper and an affidavit is included in ***Attachment 5***.

A copy of the application was mailed to the OCD District Office, landowner, and leasehold operators within 1/2-mile of the proposed SWD location. A list of the recipients, as well as delivery confirmations, are included in ***Attachment 5***.

Attachments

Attachment 1: Well Details:

- C-102
- Current Wellbore Diagram
- Current Completion Report
- Proposed Wellbore Diagram

Attachment 2: Area of Review Information:

- 2-mile Oil & Gas Well Map
- 1/2-mile Well Detail List With Penetrating Well Casing and Plugging Information
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership Map
- Potash Lease Map

Attachment 3: Injectate Analyses

Attachment 4: Water Well Map and Well Data

Attachment 5: Public Notice Affidavit and Notice of Application Confirmations

Attachment 1

- C-102
- Current Wellbore Diagram
- Current Completion Report
- Proposed Wellbore Diagram

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
Phone. (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone. (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

RECEIVED
AUG 30 2012
NMOCD ARTESIA

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

As Drilled

API Number	Pool Code	Pool Name
30-015-39782	50270	Penasco Draw;San Andres,Yeso

Property Code	Property Name	Well Number
38979	PINTO 36 STATE COM	3H

OGRID No.	Operator Name	Elevation
229137	COG OPERATING, LLC	3465'

Surface Location

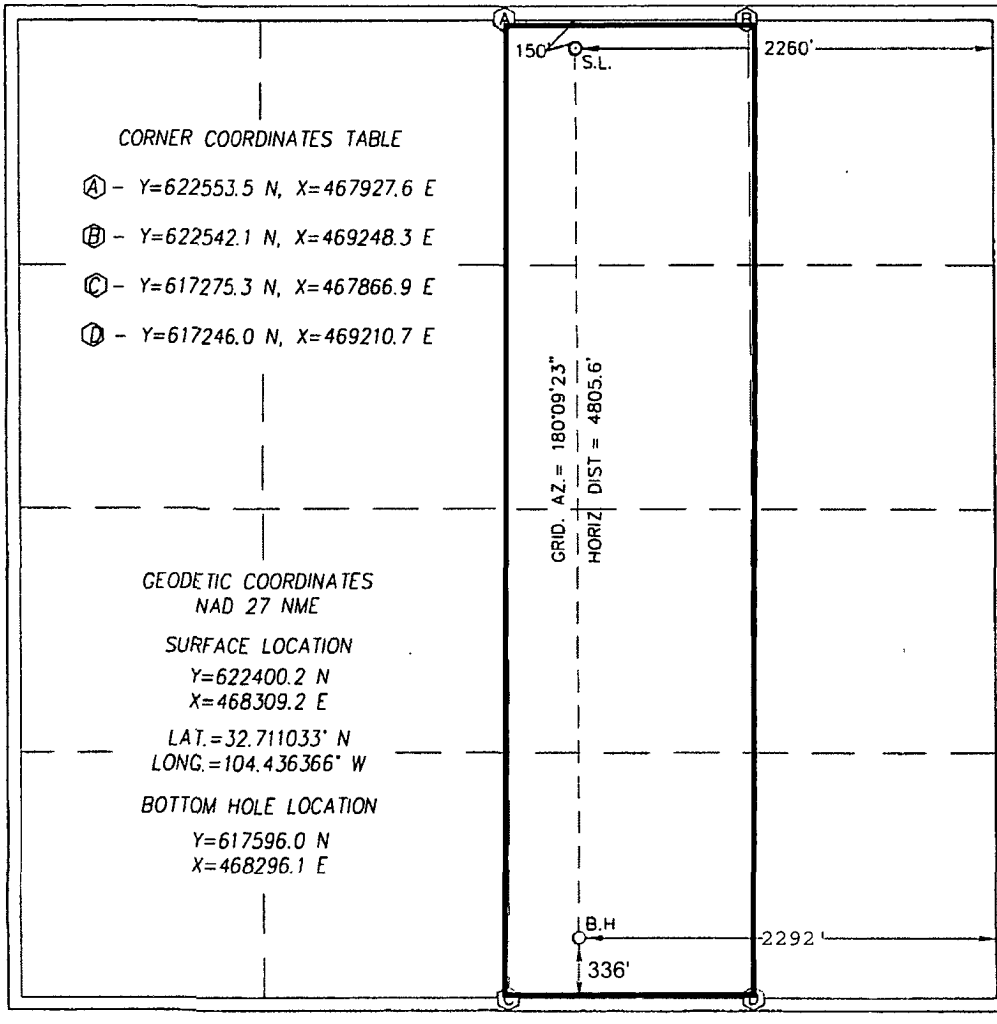
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	36	18-S	25-E		150	NORTH	2260	EAST	EDDY

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
O	36	18-S	25-E		336	SOUTH	2292	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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



CORNER COORDINATES TABLE

(A) - Y=622553.5 N, X=467927.6 E

(B) - Y=622542.1 N, X=469248.3 E

(C) - Y=617275.3 N, X=467866.9 E

(D) - Y=617246.0 N, X=469210.7 E

GEODETIC COORDINATES
NAD 27 NME

SURFACE LOCATION
Y=622400.2 N
X=468309.2 E
LAT.=32.711033° N
LONG.=104.436366° W

BOTTOM HOLE LOCATION
Y=617596.0 N
X=468296.1 E

OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature 8/27/12 Date

Brian Maiorino
Printed Name

bmaiorino@concho.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 31, 2011
Date of Survey

Signature & Seal of Professional Surveyor

GARY G. EIDSON NEW MEXICO 12641 REGISTERED PROFESSIONAL SURVEYOR

11/16/11

Certificate Number Gary G. Eidson 12641
Ronald J. Eidson 3239

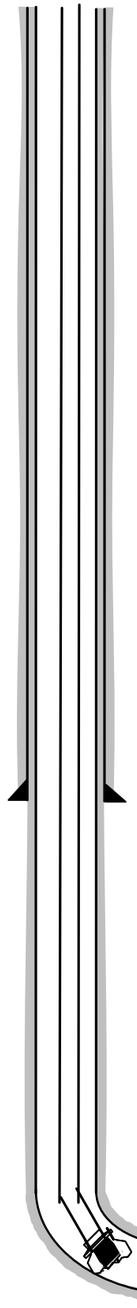
AF JWSC W.O.: 11.11.1922

Pinto 36 State Com 3H

Eddy, NM
API# 30-015-39782

SPUD DATE: 4/20/2012
ELEV: 3465' GL, 12' KB

CURRENT WBD



HOLE SIZE: 12-¼"
9-5/8" 36# J-55 LTC CSG @ 1,227'
CMT WITH 250 SX C + 300 SX H + 500 SX CLASS C, CIRC 33 SX TO SURF.
TOC @ 220' FROM SURF VIA TEMP SURVEY

HOLE SIZE: 8-¾"
7" 26# L-80 CSG @ 1624'
5-½" 17# L-80 CSG @ 6,817'
CMT WITH 500 SX C , CIRC 110 SX TO SURF FOR 7"
CMT 400 SX C LEAD AND 170 SX C TAIL, CIRC 307 SX TO SURF FOR 5-½" , TOC AT SURFACE

CROSS OVER FROM 7" TO 5-½" CSG @ 1,624'

KOP @ 1,725'

TOP PERF @ 2,506'

BOTTOM PERF @ 6,817'

TD (MD) @ 6,917' TD (TVD) @ 2,672.3'

Tubing Strings

Tubing Description	Set Depth (ftKB)	Run Date
Tubing - Production	2,459.4	7/24/2018

Tubing Components

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Top Connection Type	Len (ft)	Cum Len (ft)	Top (ftKB)	Btm (ftKB)	Incl Max (°)
47	Tubing	2 7/8	2.44	6.50	J-55	8RD		1,522.65	2,459.43	0.0	1,522.7	
1	MARKER SUB	2 7/8	2.44	6.50	J-55	8RD		2.22	936.78	1,522.7	1,524.9	0.36
2	Tubing	2 7/8	2.44	6.50	J-55	8RD		64.88	934.56	1,524.9	1,589.8	0.36
1	NICKEL PLATED TAC	4 3/4	2.44	17.00	K-77	8RD		2.87	869.68	1,589.8	1,592.6	0.23
24	Tubing	2 7/8	2.44	6.50	J-55	8RD		779.60	866.81	1,592.6	2,372.2	61.51
1	Pump Seating Nipple	2 7/8	2.25			8RD		1.10	87.21	2,372.2	2,373.3	61.60
1	SPACER SUB	2 7/8	2.44	6.50	J-55	8RD		4.22	86.11	2,373.3	2,377.5	61.97
1	CAVINS D3405G DEASANDER	3				8RD		17.06	81.89	2,377.5	2,394.6	63.46
2	MUD ANCHOR	3 1/2	2.99	9.30	J-55	8RD		64.08	64.83	2,394.6	2,458.7	69.75
1	Bull Plug	3 1/2				8RD		0.75	0.75	2,458.7	2,459.4	69.83

Rod Components

Jts	OD (in)	Grade	Make	Model	Item Des	Top Coupling	Len (ft)	Cum Len (ft)	Top (ftKB)	Btm (ftKB)	Incl Max (°)
1	2 1/2				Rod Pump		20.00	2,360.00	413.0	433.0	1.26
23	7/8	KD			Weatherford FHSM		575.00	2,340.00	433.0	1,008.0	1.40
8	1 3/8	Grade K			American Sinker Bar FHSM		200.00	1,765.00	1,008.0	1,208.0	1.80
61	1	KD			Weatherford SHSM		1,525.00	1,565.00	1,208.0	2,733.0	88.61
3	1	KD			Weatherford SHSM		14.00	40.00	2,733.0	2,747.0	88.74
1	1 1/2	Spraymetal			Don Nan		26.00	26.00	2,747.0	2,773.0	88.99

COMPLETION JOB
PERF 2506-6817'
ACIDIZED TOE WITH 5000 GAL 15% ACID
FRAC W 157,975 GAL WATER, 1,272,349 GALS OF X-LINKED GEL CARRYING 1,740,701 LBS. OF 20/40 BROWN + 362,700 LBS. 30/50 SLC + 42,600# MESH. CIRC CLEAN TO TD W 2" COIL TBG

CREATED ON 1/27/2023

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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-105
Revised April 3, 2017

1. WELL API NO. 30-015-39782
2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN
3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☒ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☐ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name: PINTO 36 STATE COM
6. Well Number: 3H

7. Type of Completion: ☐ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☒ OTHER REVISION

8. Name of Operator: SPUR ENERGY PARTNERS LLC
9. OGRID: 328947
10. Address of Operator: 9655 KATY FREEWAY, SUITE 500, HOUSTON, TX 77024
11. Pool name or Wildcat: PENASCO DRAW; SA-YESO

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	B	36	18S	25E		150	NORTH	2260	EAST	EDDY
BH:	O	36	18S	25E		336	NORTH	2292	EAST	EDDY

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)
04/12/2012	05/07/2012	05/10/2012	06/14/2012	3465' GR

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run
6917'M		YES	HRLA, TDLDCN

22. Producing Interval(s), of this completion - Top, Bottom, Name: 2506'-6817' YESO

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	1226'	12-1/4"	1050 SXS	0
7"	26#	1624'	8-3/4"	500 SXS	0
5-1/2"	17#	6817'	8-3/4"	570 SXS	0

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)

Perf 2506'-6817' Acidized toe with 5000 gal 15% acid
Frac w 157,975 gal water, 1,272,349 gals of x-linked gel carrying 1,740,701 lbs. of 20/40 brown + 362,700 lbs. 30/50 slc + 42,600# mesh.
Circ clean to TD w 2" coil tbg

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2506'-6817'	57,975 gal water, 1,272,349 gals of x-linked gel carrying 1,740,701 lbs. of 20/40 brown + 362,700 lbs. 30/50 slc + 42,600# mesh. Circ clean to TD w 2" coil tbg

28. **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*
07/04/2012	PUMPING, ESP	PRODUCING

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
07/11/2012	24-HOURS	N/A		110	50	400	455

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*
70	70		110	50	400	39.9

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*: SOLD
30. Test Witnessed By: KENT GREENWAY
31. List Attachments
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.
33. Rig Release Date:
34. If an on-site burial was used at the well, report the exact location of the on-site burial:
Latitude _____ Longitude _____ NAD83

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Sarah Chapman Printed Name SARAH CHAPMAN Title REGULATORY DIRECTOR Date 05/15/2023

E-mail Address SCHAPMAN@SPURENERGY.COM

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg 415'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 692'	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 2098'	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T.Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T.Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T.Todilto	
T. Abo	T. YESO 2150'	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

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

No. 2, from……to…… No. 4, 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……

LITHOLOGY RECORD (Attach additional sheet if necessary)

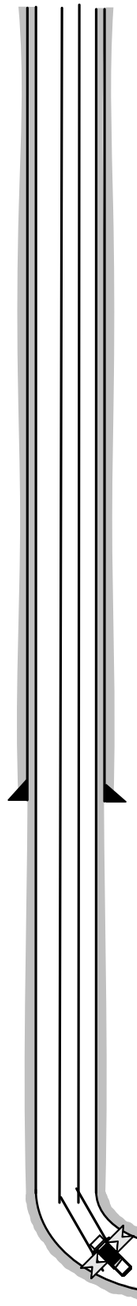
From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology

Pinto 36 State Com 3H

Eddy, NM
API# 30-015-39782

SPUD DATE: 4/20/2012
ELEV: 3465' GL, 12' KB

PROPOSED WBD



HOLE SIZE: 12-¼"
9-5/8" 36# J-55 LTC CSG @ 1,227'
CMT WITH 250 SX C + 300 SX H + 500 SX CLASS C, CIRC 33 SX TO SURF.
TOC @ 220' FROM SURF VIA TEMP SURVEY

PROPOSED TBG DETAIL
+/- 74 JOINTS OF 2-7/8" J55 IPC TBG
PACKER @ 2406' (64 DEG INCLINATION)

HOLE SIZE: 8-¾"
7" 26# L-80 CSG @ 1624'
5-½" 17# L-80 CSG @ 6,817'
CMT WITH 500 SX C , CIRC 110 SX TO SURF FOR 7"
CMT 400 SX C LEAD AND 170 SX C TAIL, CIRC 307 SX TO SURF FOR 5-½" , TOC AT SURFACE

CROSS OVER FROM 7" TO 5-½" CSG @ 1,624'

KOP @ 1,725'

COMPLETION JOB
PERF 2506-6817'
ACIDIZED TOE WITH 5000 GAL 15% ACID
FRAC W 157,975 GAL WATER, 1,272,349 GALS OF X-LINKED GEL CARRYING 1,740,701 LBS. OF 20/40 BROWN + 362,700 LBS. 30/50 SLC + 42,600# MESH. CIRC CLEAN TO TD W 2" COIL TBG

TOP PERF @ 2,506'

BOTTOM PERF @ 6,817'

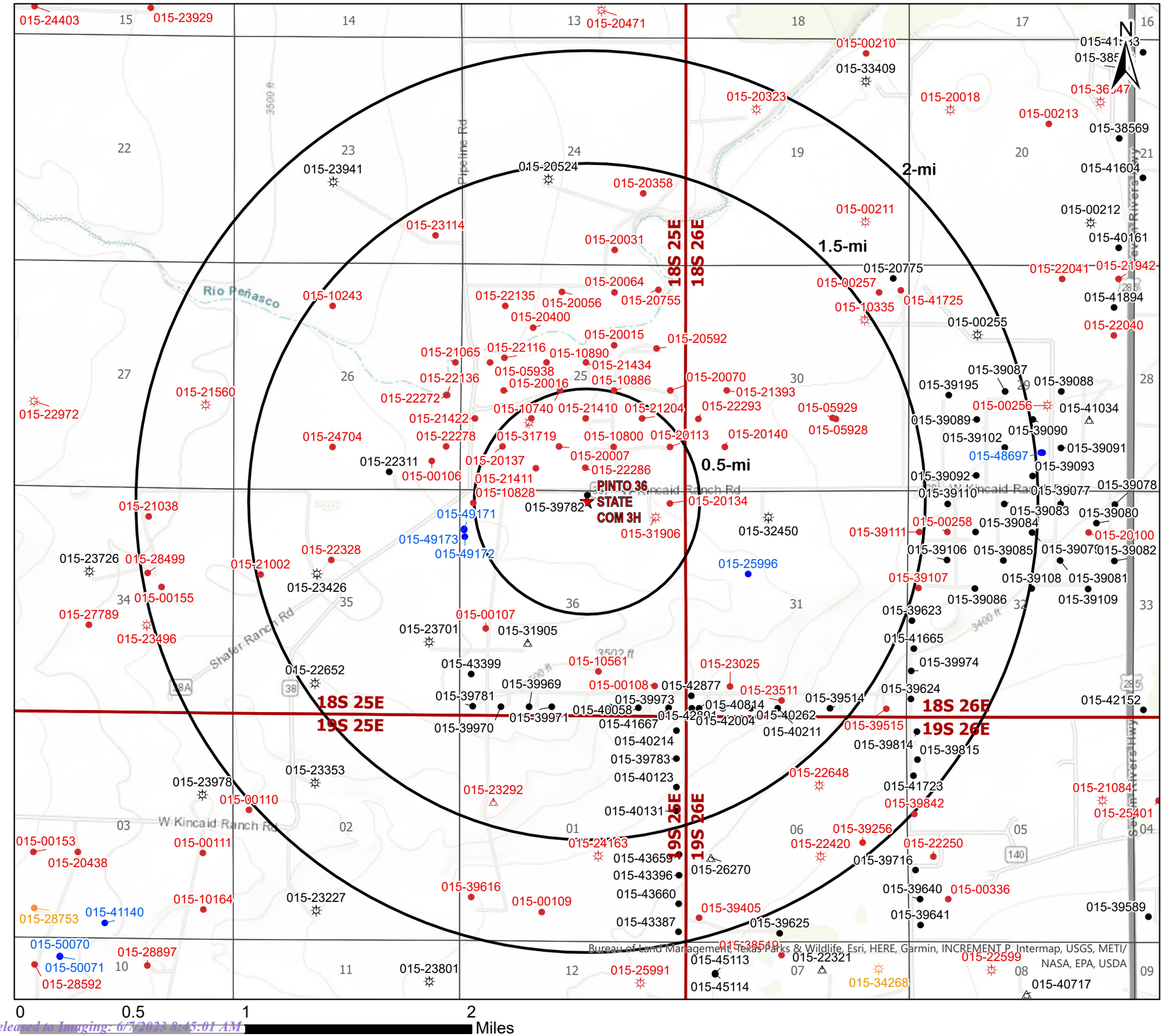
TD (MD) @ 6,917' TD (TVD) @ 2,672.3'

CREATED ON 1/27/2023

Attachment 2

Area of Review Information:

- 2-mile Oil & Gas Well Map
- 1/2-mile Well Detail List
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership Map
- Potash Lease Map



Legend

- Well Location (1)
- Gas, Active (14)
- Gas, Plugged (18)
- Gas, Temporarily Abandoned (1)
- Oil, Active (70)
- Oil, New (10)
- Oil, Plugged (84)
- Oil, Temporarily Abandoned (1)
- Salt Water Injection, Active (5)
- Salt Water Injection, Plugged (1)

Source Info: NMOCD O&G Wells updated 1/17/2023 (https://www.emnrd.nm.gov/ocd/ocd-data/ftp-server/l)

O&G Wells
Area of Review

PINTO 36 STATE COM 3H

EDDY COUNTY, NEW MEXICO

Proj Mgr: Nate Alleman	March 09, 2023	Mapped by: Ben Bockelmann

Prepared for: SPUR ENERGY PARTNERS

Prepared by: ALL CONSULTING

AOR Tabulation for Pinto 36 State Com 3H (Injection Interval: 2,311' - 2,673')

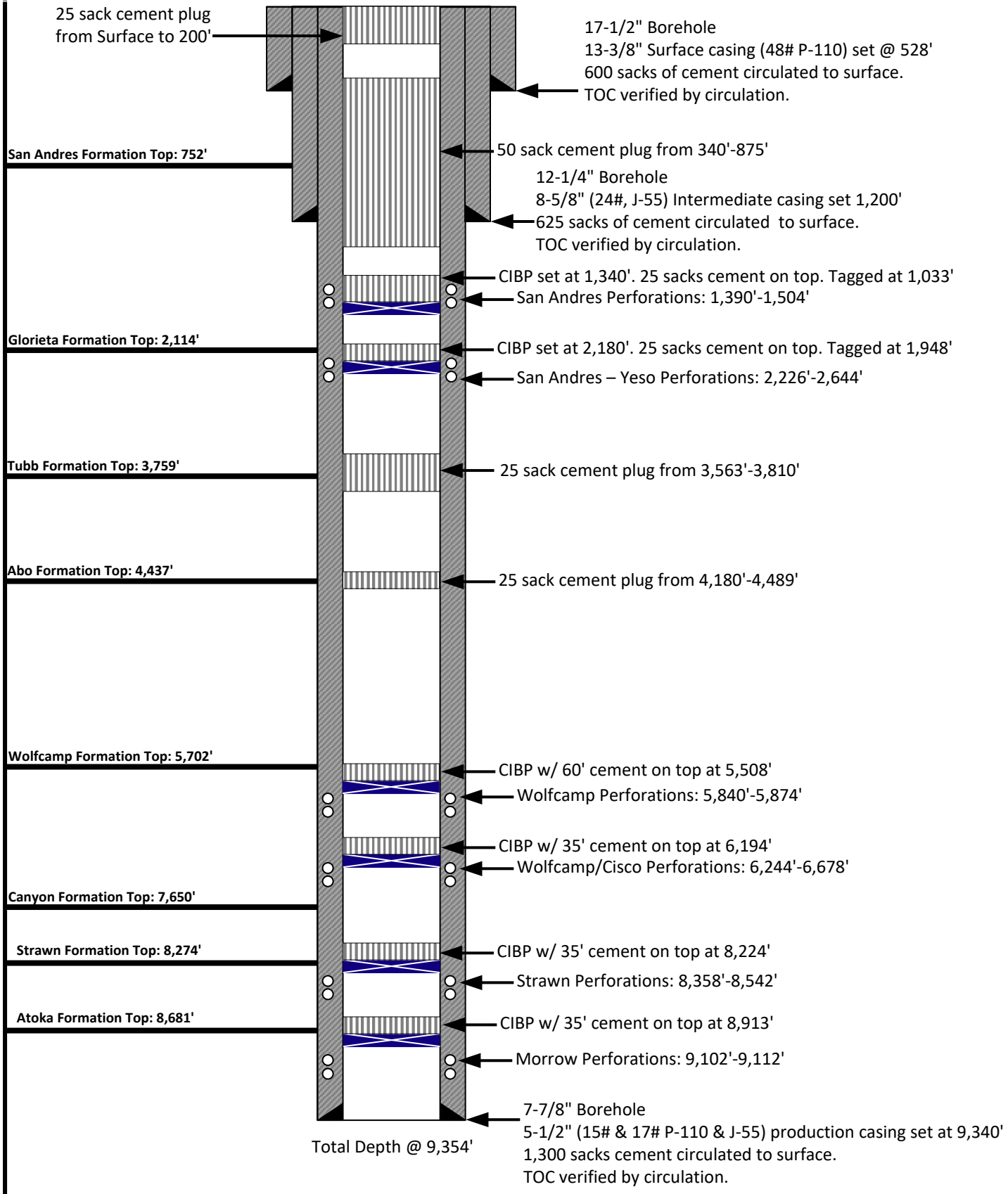
Well Name	API#	Well Type	Operator	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth	Penetrate Inj. Zone?
GERARD AW #004	30-015-22286	Plugged	EOG RESOURCES INC	9/6/1977	O-25-18S-25E	Plugged (1,550)	No
GERARD AW #003	30-015-21410	Plugged	EOG RESOURCES INC	11/13/1974	J-25-18S-25E	Plugged (1,530)	No
NIX CURTIS BH #002	30-015-20113	Plugged	EOG RESOURCES INC	12/27/1967	P-25-18S-25E	Plugged (1,705)	No
YATES AS FEE #003	30-015-21406	Plugged	EOG RESOURCES INC	10/28/1974	K-25-18S-25E	Plugged (1,620)	No
SUBURB AZS STATE #001	30-015-31906	Plugged	EOG RESOURCES INC	9/9/2002	A-36-18S-25E	Plugged (9,340)	Yes
YATES AS FEE COM #006	30-015-31719	Plugged	EOG RESOURCES INC	5/24/2001	K-25-18S-25E	Plugged (9,142)	Yes
NIX CURTIS BH #004	30-015-21430	Plugged	EOG Y RESOURCES, INC.	12/4/1974	P-25-18S-25E	Plugged (1,495)	No
NIX CURTIS BH #003	30-015-21204	Plugged	EOG Y RESOURCES, INC.	10/3/1974	I-25-18S-25E	Plugged (1,520)	No
WILKINSON AZ #003	30-015-21411	Plugged	EOG Y RESOURCES, INC.	11/26/1974	N-25-18S-25E	Plugged (2,450)	Yes
GERARD AW #001	30-015-10800	Plugged	EOG Y RESOURCES, INC.	6/2/1966	O-25-18S-25E	Plugged (2,648)	Yes
WILKINSON AZ #001	30-015-20007	Plugged	EOG Y RESOURCES, INC.	5/19/1967	N-25-18S-25E	Plugged (5,120')	Yes
WILKINSON AZ #002	30-015-20137	Plugged	EOG Y RESOURCES, INC.	8/28/1994	M-25-18S-25E	Plugged (2,450)	Yes
Lowe "BK" State #001	30-015-20134	Plugged	Yates Petroleum Corporation	4/16/1968	A-36-18S-25E	Plugged (1,590)	No
Notes:							

Casing Information for Wells Penetrating the Pinto 36 State Corn 3H Injection Zone

Well Name	Surface Casing						Intermediate Casing					
	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole size	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole Size
SUBURB AZS STATE #001	528'	13.375"	Surface	Circulation	600	17.5"	1200'	8.625"	Surface	Circulation	625	12.25"
YATES AS FEE COM #006	396'	13.375"	Surface	Circulation	450	17.5"	1214'	9.625"	Surface	Circulation	965	12.25"
WILKINSON AZ #003	321'	10.75"	Surface	Circulation	175	11.75"	1096'	7"	Surface	Circulation	550	9.5"
GERARD AW #001	1210'	4.5"	Surface	Circulation	155	5.5"	N/A	N/A	N/A	N/A	N/A	N/A
WILKINSON AZ #001	1040'	9.625"	Surface	Circulation	645	12.25"	N/A	N/A	N/A	N/A	N/A	N/A
WILKINSON AZ #002	1044'	8.625"	340'	Unknown	100	Unknown	1527'	5.5"	460'	Unknown	180	Unknown

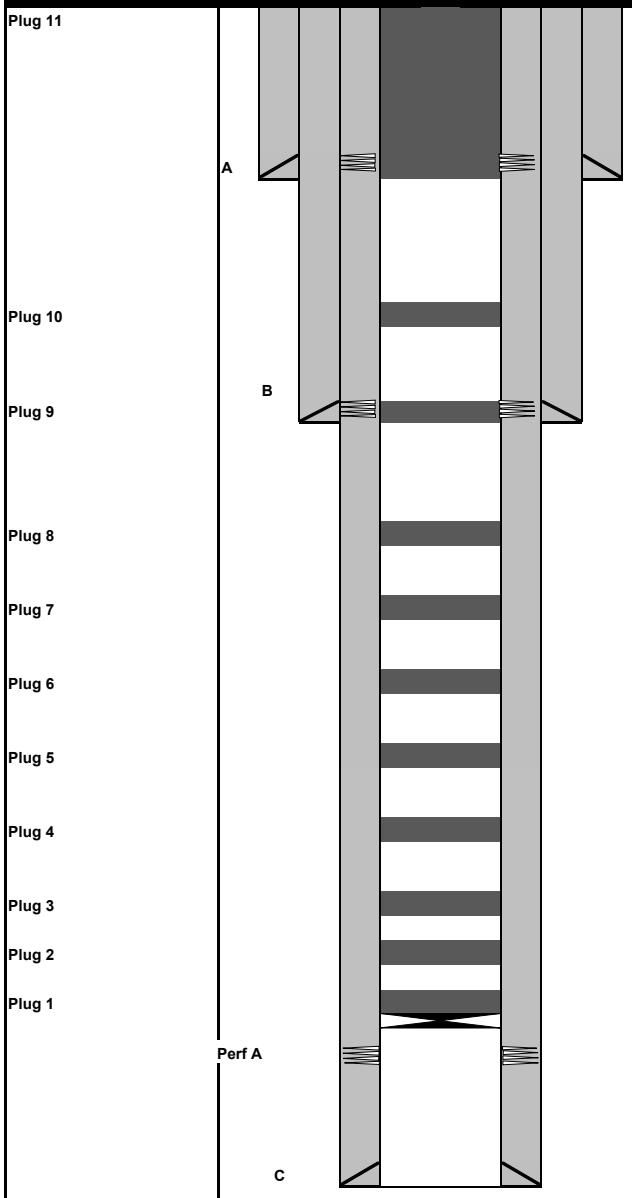
Well Name	Production Casing , Intermediate II Casing, or Liner						Production Casing II & Liner					
	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole Size	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole Size
SUBURB AZS STATE #001	9340'	5.5"	Surface	Circulation	1300	7.875"	N/A	N/A	N/A	N/A	N/A	N/A
YATES AS FEE COM #006	9200'	5.5"	Surface	Circulation	1310	7.875"	N/A	N/A	N/A	N/A	N/A	N/A
WILKINSON AZ #003	2341'	4.5"	Surface	Circulation	275	6.25"	N/A	N/A	N/A	N/A	N/A	N/A
GERARD AW #001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WILKINSON AZ #001	5117'	7"	Surface	Circulation	900	8.25"	N/A	N/A	N/A	N/A	N/A	N/A
WILKINSON AZ #002	2450'	3.5"	Surface	Circulation	Unknown	Unknown	N/A	N/A	N/A	N/A	N/A	N/A

Well Name	Plugging Information
SUBURB AZS STATE #001	CIBP @ 8,913' with 35' cement on top, 'CIBP @ 8,224' with 35' cement on top, CIBP @ 6,194' with 35' cement on top, 'CIBP @ 5,508' with 60' cement on top, CIBP @ 2,180' with 25 sx, 'CIBP @ 1,340' qurg 25 sx. Plugs set at 4,180' -4,489' with 25 sx, 3,563 - 3,810' with 25 sx, 340' - 875' with 50 sx, and surface - 200' with 25 sx.
YATES AS FEE COM #006	CIBP set @ 8900'. Plugs set at 8672' - 8900' with 25 sx, 8428' - 8648' with 25 sx, 7992' - 8212' with 25 sx, 7660' - 7740' with 25 sx, 5479' - 5726' with 25 sx, 4083' - 4330' with 25 sx, 3473' - 3720' with 25 sx, 1870' - 2117' with 25 sx, 984' - 1314' with 35 sx, 509' - 756' with 30 sx, 0 - 483' with 45 sx.
WILKINSON AZ #003	Cement Squeeze from 495' - 356' with 125 sx, cement plug set at 186' - 12' with 127 sx.
GERARD AW #001	Cement squeeze at 1200' with 100 sx, 101' - 744' with 100 sx, 55' - 101' with 50 sx, 0-55' with 10 sx.
WILKINSON AZ #001	Plugs set at 1616' - 1300' with 25 sx, 1233' - 928' with 50 sx, squeezed 250 sx below 1202', 538' - 650' with 50 sx, 469' - 538' with 50 sx, 0-60' with 10 sx.
WILKINSON AZ #002	Squeezed 100 sx and tagged cement @ 780'. 0-700 with 30 sx.



Prepared by: ALL CONSULTING Prepared for: SPUR ENERGY PARTNERS	Drawn by: Joshua Ticknor, P.E. Project Manager: Nathan Alleman Date: 4/27/2023	**Plugged and Abandoned Wellbore Diagram** SUBURB AZS STATE #001 30-015-31906 660'FNL & 660'FEL 36-18S-25E Eddy County, New Mexico

Yates AS Fee Com 6



Sec-TWN-RNG:	**Sec. 25-18S-25E**	**API:**	**30-015-31719**
FOOTAGES:	**1550'FSL & 1600'FWL**	**GL:**	**3464**
		KB:	

CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	48	H-40	0	396	450	Surface	Circ
B	12 1/4	9 5/8	36	J-55	0	1,214	965	Surface	Circ
C	7 7/8	5 1/2	15.5/17	J55/P110	0	9,200	1310	Surface	Circ

FORMATION TOPS

		Formation	Top			Formation	Top	
		San Andres	706			Canyon	7610	
		Glorieta	2067			Strawn	8162	
		Tubb	3670			Atoka	8598	
		Abo	4280			Morrow	8850	
		Wolfcamp	5676			Chester	9135	

Perforation Detail

	Formation	Top	Bottom		Treatment			
A	Morrow	8,980	9,006		Acidize w/1000 gals 7.5% MSA			

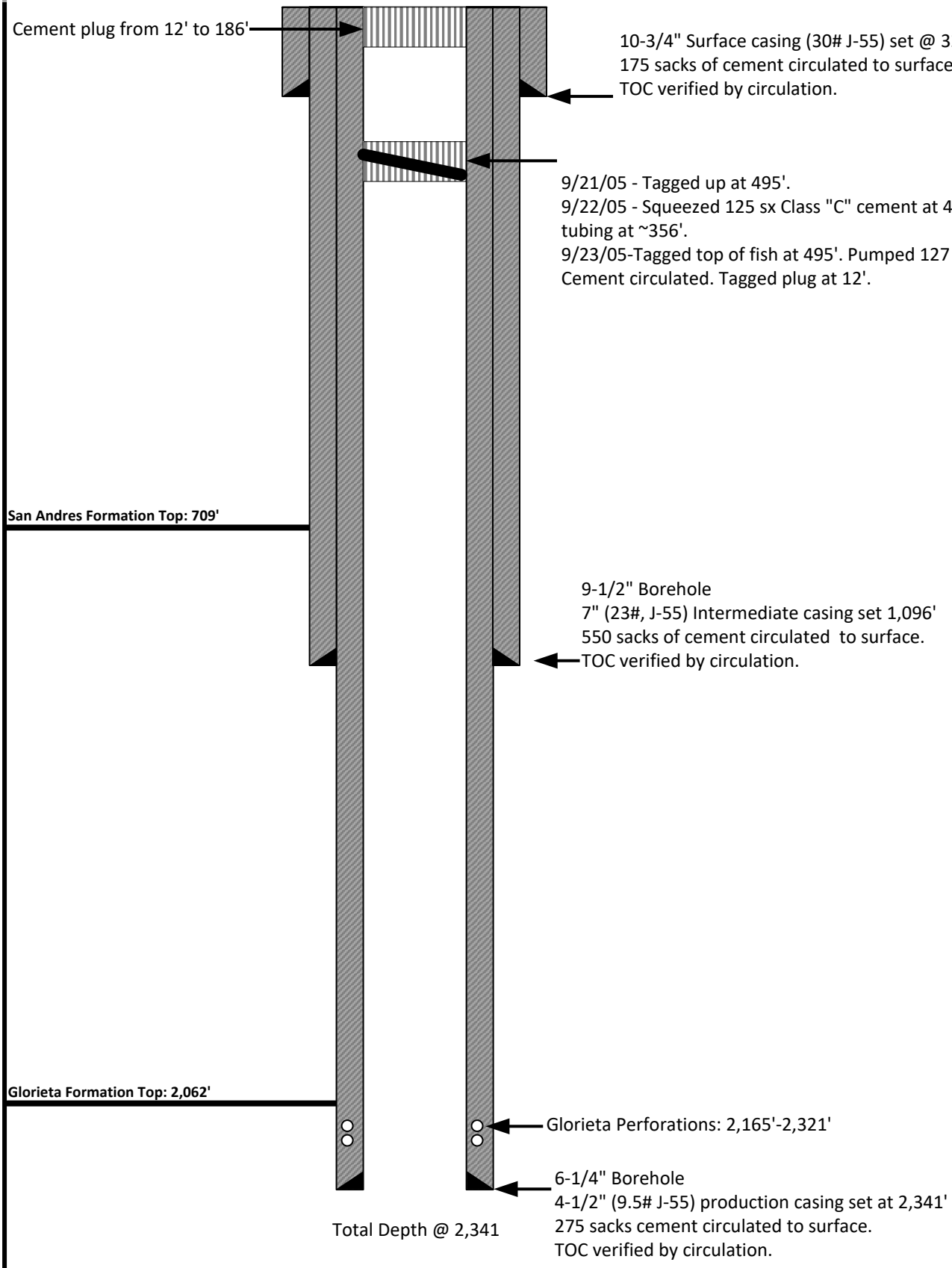
PLUGS

#	sx	Class	Top	Bottom	Tag	Notes
1	25	H	8672	8900	Y	CIBP
2	25	H	8428	8648	N	
3	25	H	7992	8212	N	
4	25	H	7660	7740	N	
5	25	H	5479	5726	N	
6	25	C	4083	4330	N	
7	25	C	3473	3720	N	
8	25	C	1870	2117	N	
9	25	C	984	1314	N	Perforate
10	25	C	509	756	N	
11	25	C	0	483	N	Perforate

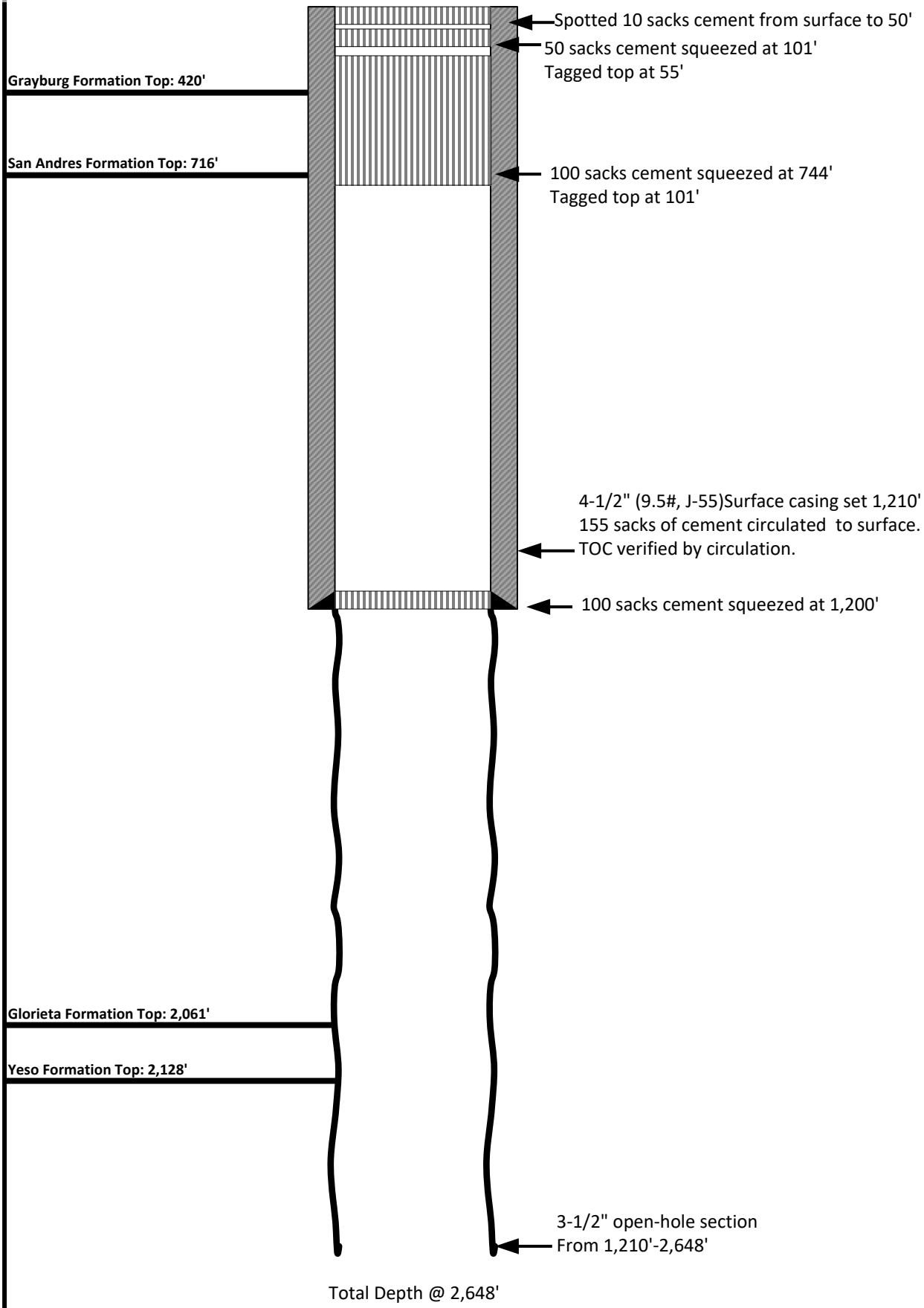
Prepared by: Hiram C 5/19/21

PBTD: 9,198 MD
TD: 9,200 MD

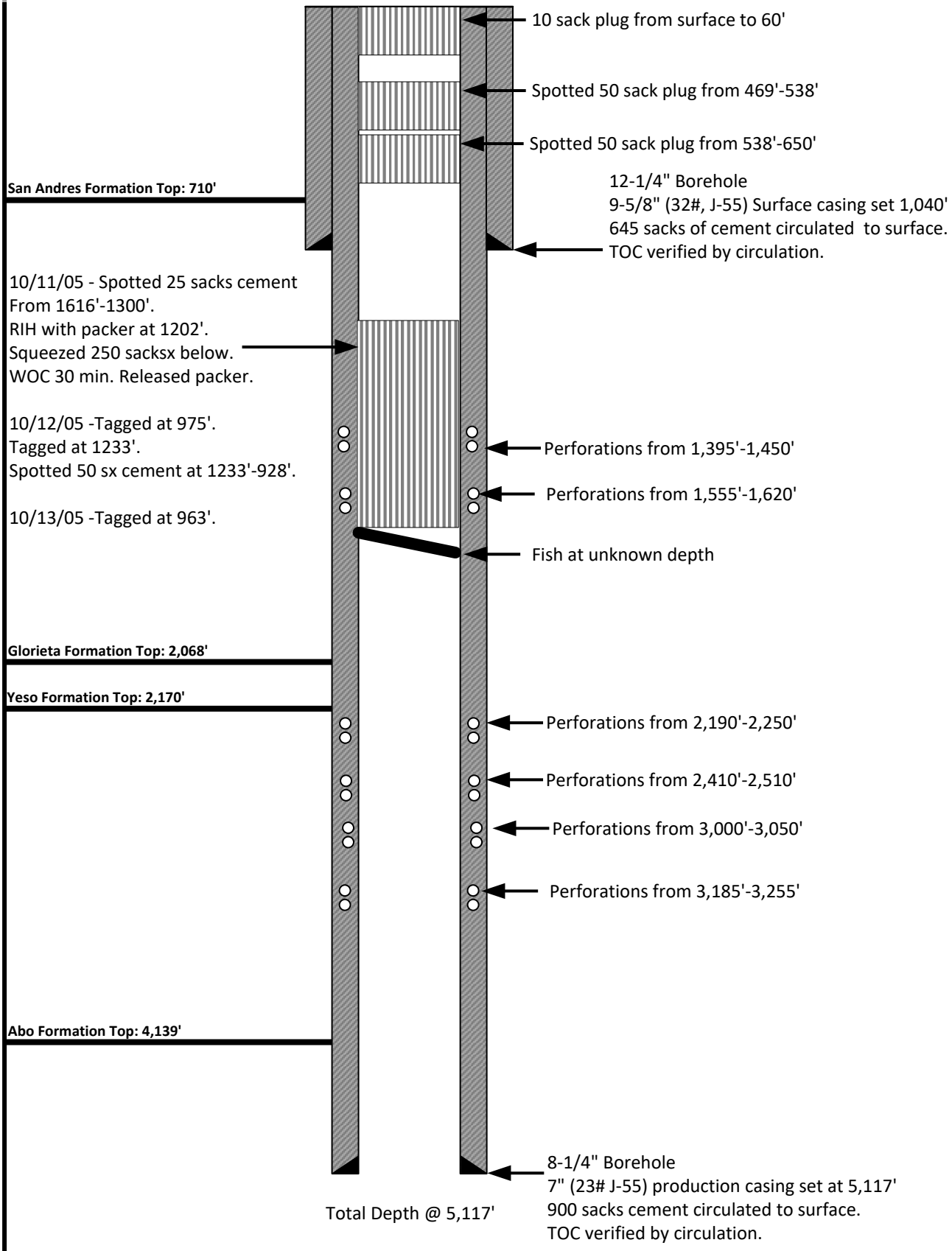
9/20/21



Prepared by: ALL CONSULTING Prepared for: SPUR ENERGY PARTNERS	Drawn by: Joshua Ticknor, P.E. Project Manager: Nathan Alleman Date: 4/27/2023	**Plugged and Abandoned Wellbore Diagram** WILKINSON AZ #003 30-015-21411 480'FSL & 1,780'FSL 25-18S-25E Eddy County, New Mexico



Prepared by: ALL CONSULTING Prepared for: SPUR ENERGY PARTNERS	Drawn by: Joshua Ticknor, P.E. Project Manager: Nathan Alleman Date: 4/27/2023	**Plugged and Abandoned Wellbore Diagram** GERARD AW #001 30-015-10800 990'FSL & 1650'FWL 25-18S-25E Eddy County, New Mexico



Prepared by: ALL CONSULTING

Prepared for: SPUR ENERGY PARTNERS

Drawn by: Joshua Ticknor, P.E.

Project Manager: Nathan Alleman

Date: 4/27/2023

Plugged and Abandoned Wellbore Diagram

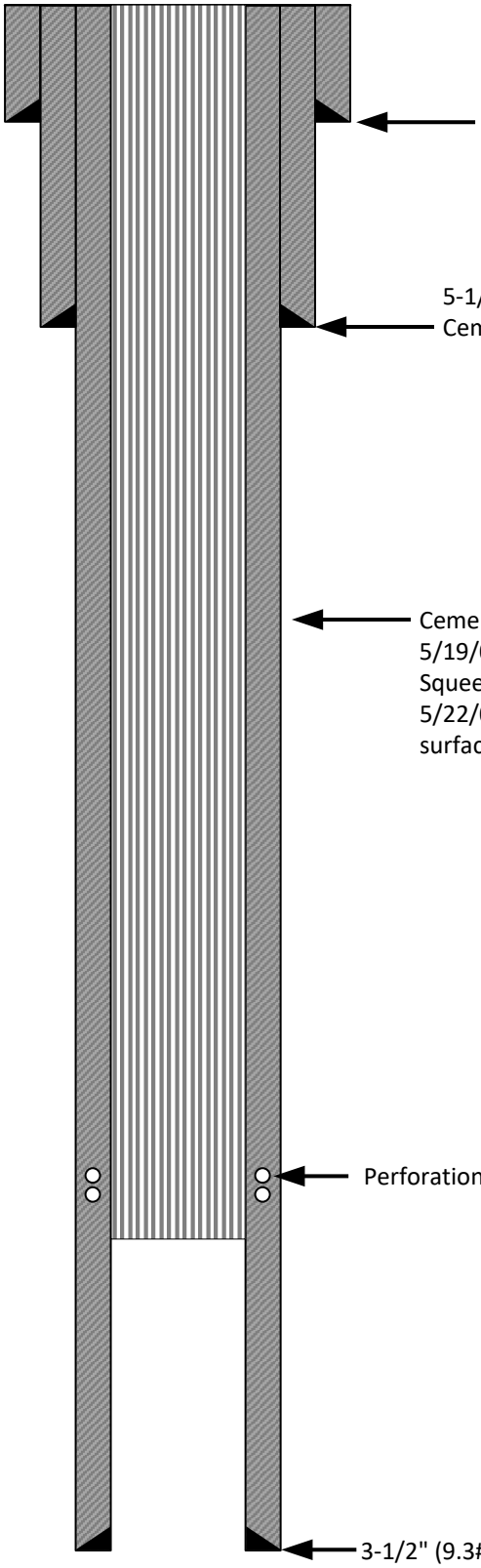
WILKINSON AZ #001

30-015-20007

990'FSL & 2,310'FWL

25-18S-25E

Eddy County, New Mexico



11" Borehole
8-5/8" (28#, J-55) Surface casing set 1,044'
Cemented with 400 sacks. Top of cement at 340'.
Additional 100 sacks grouted through ¾"

5-1/2" (14#, J-55) Intermediate casing set 1,527'
Cemented with 180 sacks. Top of cement at 460'.

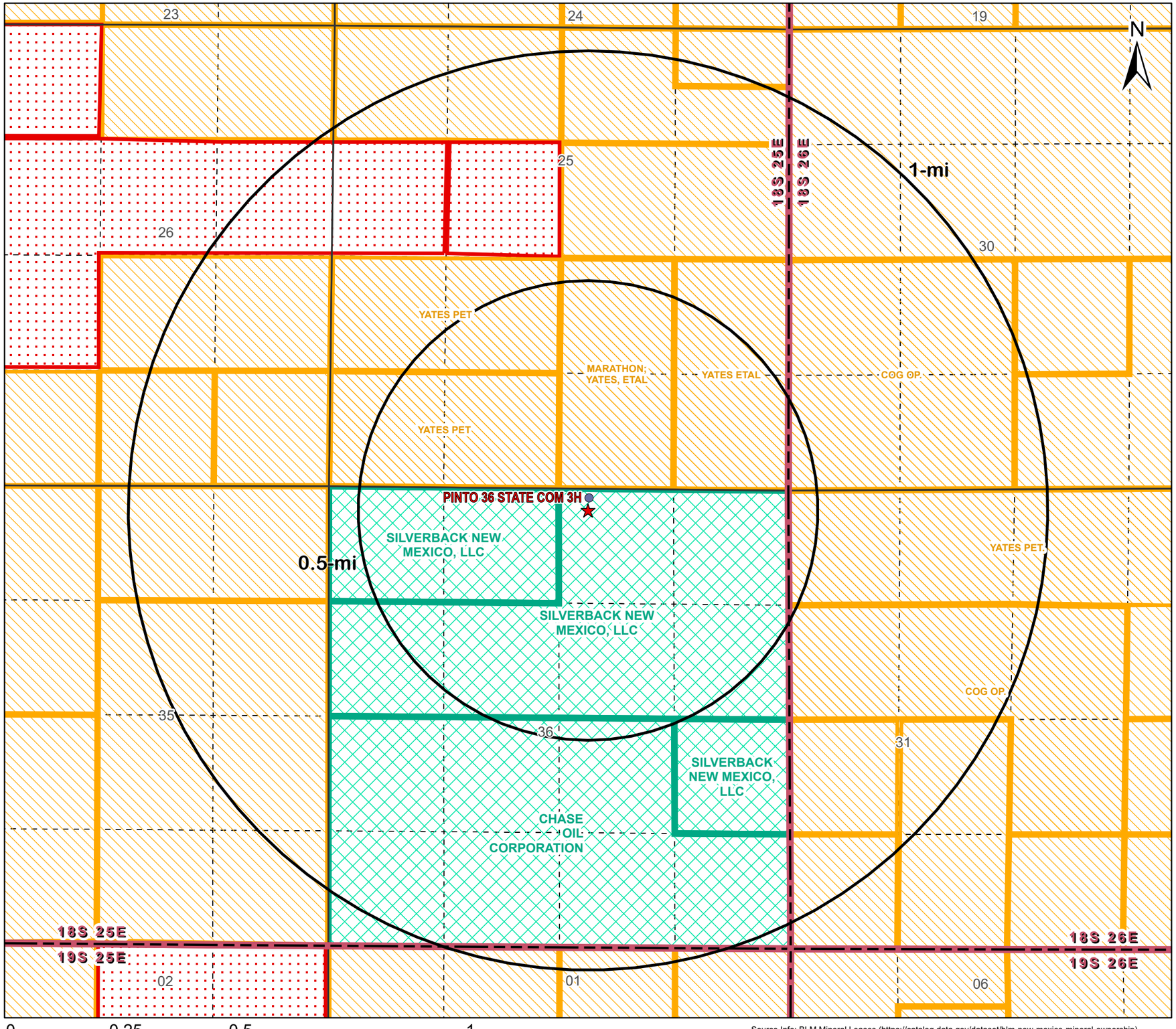
Cement plug from perforations to surface.
5/19/06- Established injection rate down casing with 11 bbls.
Squeezed with 100 sx cement at 100# max pressure.
5/22/06 - Tagged at 780'. Pumped 30 sx cement from 700' to surface. WOC 1 hr. Cement at surface.

Perforations from 1,378-1,440'

3-1/2" (9.3# J-55) production casing set at 2,450'
Unknown Amount of cement circulated to surface.
TOC verified by circulation.

Total Depth @ 2,450'

Prepared by: ALL CONSULTING Prepared for: SPUR ENERGY PARTNERS	Drawn by: Joshua Ticknor, P.E. Project Manager: Nathan Alleman Date: 4/27/2023	**Plugged and Abandoned Wellbore Diagram** WILKINSON AZ #002 30-015-20137 990'FSL & 990'FWL 25-18S-25E Eddy County, New Mexico



Legend

- Well Location (1)
- NMSLO Mineral Lessees (3)
- BLM Mineral Lessees (4)
- Private Mineral Lessees (44)

Active Operators within 1/2-mi

- Spur Energy Partners LLC (1)

Affected Parties within 1/2-mile

Operators:
- Spur Energy Partners

NMSLO Lessees:
- Silverback New Mexico, LLC
- Chase Oil Corporation

Private Lessees:
- Yates Petroleum
- Marathon
- COG Operating

Unleased Private Minerals - M.I. Owner:
-D. Bradshaw

Source Info: BLM Mineral Leases (https://catalog.data.gov/dataset/blm-new-mexico-mineral-ownership) & NMSLO Ownership (http://www.nmstatelands.org/maps-gis/gis-data-download/)

Mineral Lease Area of Review

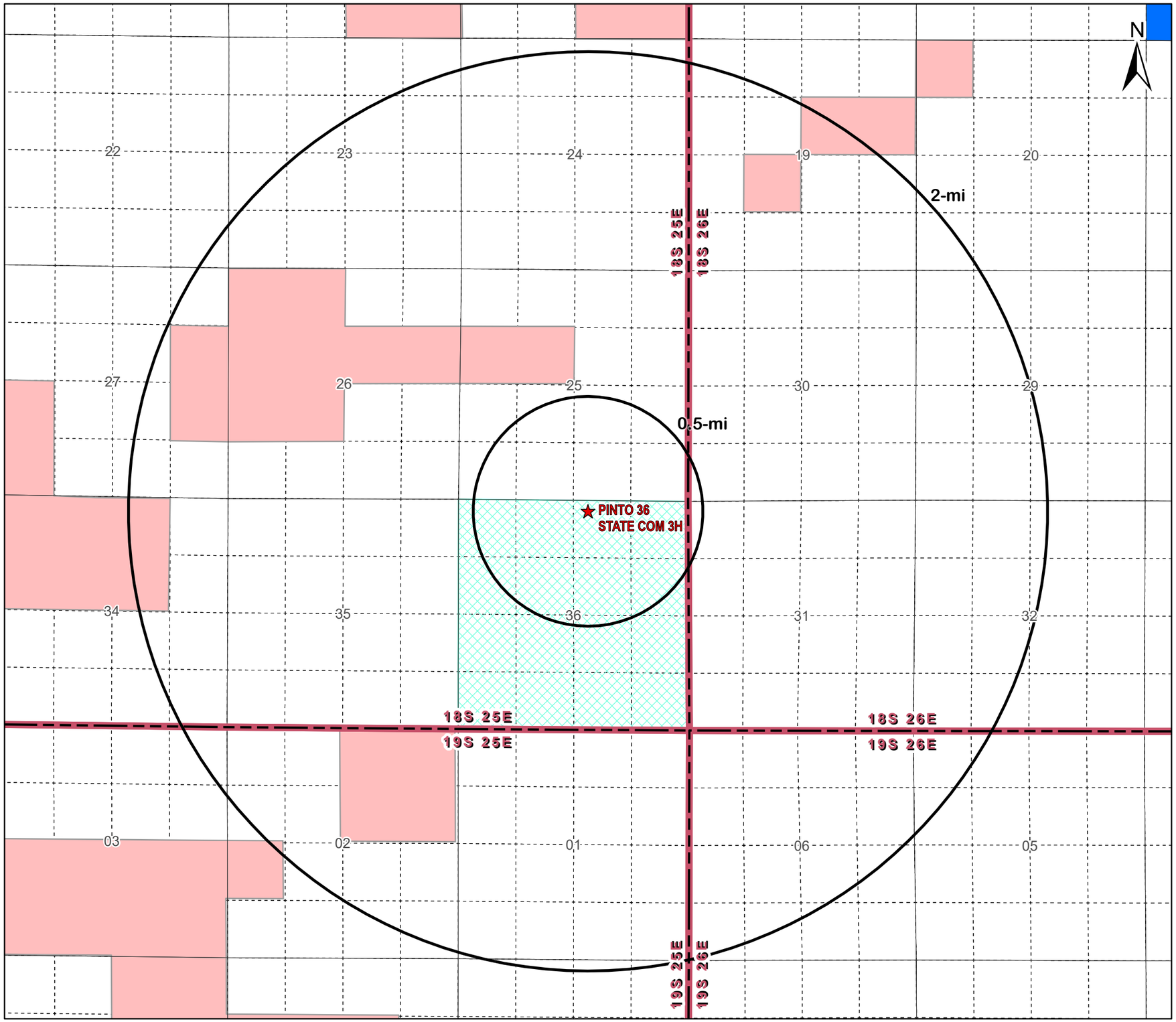
PINTO 36 STATE COM 3H

EDDY COUNTY, NEW MEXICO

Proj Mgr: Nate Alleman	April 26, 2023	Mapped by: Ben Bockelmann

Prepared for: SPUR ENERGY PARTNERS

Prepared by: ALL CONSULTING



Legend

- Well Location (1)
- Private minerals
- Subsurface minerals (NMSLO)
- Surface and Subsurface minerals (NMSLO)
- All minerals are owned by U.S. (BLM)

Source Info: BLM Surface Onwership (https://catalog.data.gov/dataset/blm-new-mexico-surface-ownership)

Mineral Ownership
Area of Review

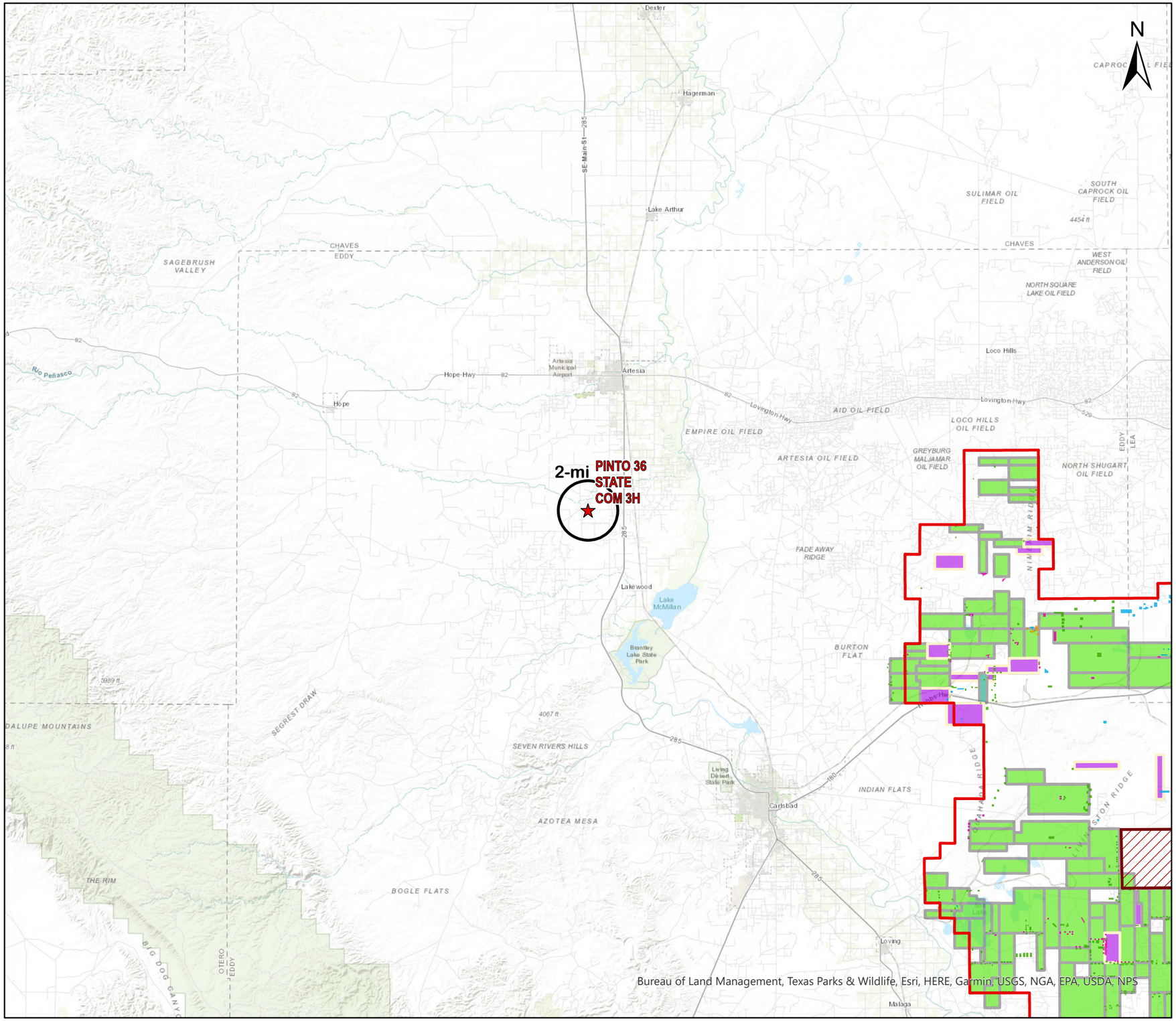
PINTO 36 STATE COM 3H

EDDY COUNTY, NEW MEXICO

Proj Mgr:		Mapped by:
Nate Alleman	April 25, 2023	Ben Bockelmann

Prepared for: SPUR ENERGY PARTNERS

Prepared by: ALL CONSULTING



Legend

- Well Location (1)
- SOPA 1986 (1)
- WIPP Facility (1)

Drill Islands

Status, Depth Buffer

- Approved, Half Mile (211)
- Approved, Quarter Mile (63)
- Nominated, Half Mile (28)
- Nominated, Quarter Mile (6)

Development Areas

Status

- Approved (87)
- Pending (13)
- Pending NMOCD Order (1)

Potash AOR

PINTO 36 STATE COM 3H

EDDY COUNTY, NEW MEXICO

Proj Mgr: Nate Alleman	April 25, 2023	Mapped by: Ben Bockelmann

Prepared for: SPUR ENERGY PARTNERS

Prepared by: ALL CONSULTING

Attachment 3

Injectate Analyses

GAS VOLUME STATEMENT

December 2022

Spur Energy

Meter #: 74822013
Name: Pinto 36SC4HCTB Flare
Closed Data
Artesia-East

Pressure Base:	14.730 psia	**Meter Status:**	Active
Temperature Base:	60.00 °F	**Contract Hr.:**	8 AM
Atmos Pressure:	12.890 psi	**Full Wellstream:**	
Calc Method:	AGA3-2013	**WV Technique:**	
Z Method:	AGA-8 Detail (1992)	**WV Method:**	
Tube I.D.:	2.0680 in	**HV Cond:**	
Tap Location:	Upstream	**Meter Type:**	EFM
Tap Type:	Flange	**Interval:**	1 Hour

CO2	N2	C1	C2	C3	IC4	NC4	IC5
2.278	1.672	64.281	16.351	7.721	1.045	2.409	0.587

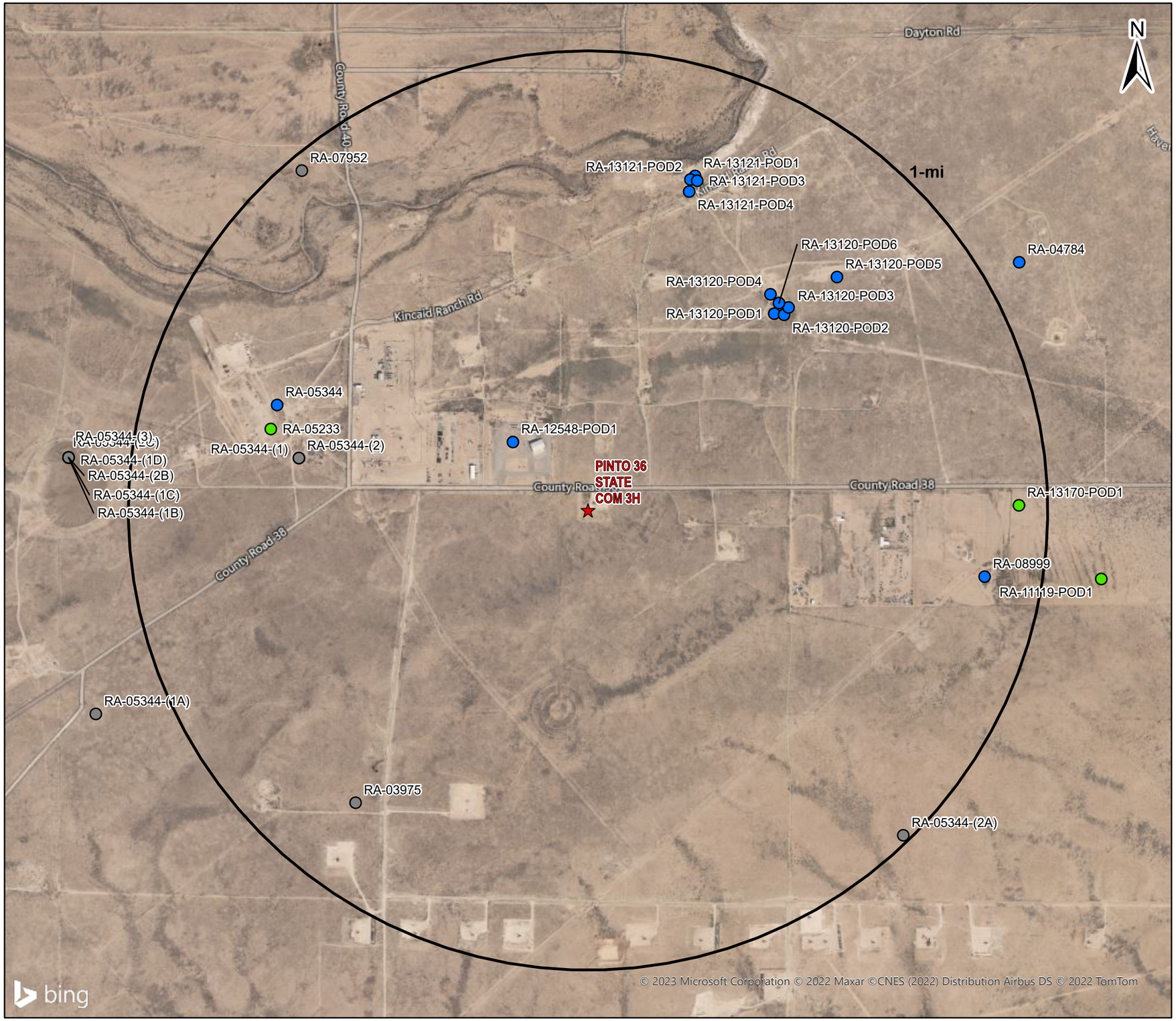
NC5	neo	C6	C7	C8	C9	C10
0.542		1.150	0.000	0.000	0.000	0.000

Ar	CO	H2	O2	He	H2O	H2S	H2S ppm
0.000	0.000	0.000	0.000	0.000	0.000	1.963	

Day	Differential (In. H2O)	Pressure (psia)	Temp. (°F)	Flow Time (hrs)	Relative Density	Plate (inches)	Volume (Mcf)	Heating Value (Btu/scf)	Energy (MMBtu)	Edited
1	0.26	13.05	45.77	18.73	0.8321	1.2500	13.58	1359.10	18.45	No
2	0.26	13.12	57.20	22.31	0.8321	1.2500	16.21	1359.10	22.03	No
3	0.26	13.21	49.13	21.09	0.8321	1.2500	15.35	1359.10	20.86	No
4	0.26	13.04	55.49	22.06	0.8321	1.2500	15.92	1359.10	21.64	No
5	0.27	13.00	64.42	22.04	0.8321	1.2500	15.87	1359.10	21.56	No
6	0.26	13.05	61.53	22.77	0.8321	1.2500	16.43	1359.10	22.33	No
7	0.26	13.09	49.58	23.19	0.8321	1.2500	16.85	1359.10	22.91	No
8	0.26	13.13	56.63	22.51	0.8321	1.2500	16.38	1359.10	22.27	No
9	0.26	13.06	48.40	22.66	0.8321	1.2500	16.43	1359.10	22.33	No
10	0.26	13.10	52.65	20.42	0.8321	1.2500	14.85	1359.10	20.19	No
11	0.26	13.01	54.06	21.86	0.8321	1.2500	15.80	1359.10	21.48	No
12	0.26	12.92	53.43	23.02	0.8321	1.2500	16.63	1359.10	22.60	No
13	0.26	12.93	47.58	17.51	0.8321	1.2500	12.63	1359.10	17.17	No
14	0.26	12.98	46.63	15.94	0.8321	1.2500	11.53	1359.10	15.66	No
15	0.26	13.00	47.53	16.12	0.8321	1.2500	11.66	1359.10	15.84	No
16	0.26	13.07	43.01	14.78	0.8321	1.2500	10.78	1359.10	14.66	No
17	0.26	13.06	41.73	16.05	0.8321	1.2500	11.69	1359.10	15.89	No
18	0.26	13.03	41.40	14.53	0.8321	1.2500	10.56	1359.10	14.35	No
19	0.26	13.12	52.27	15.99	0.8321	1.2500	11.63	1359.10	15.80	No
20	0.26	13.15	45.22	15.26	0.8321	1.2500	11.08	1359.10	15.06	No
21	0.26	12.99	44.98	20.12	0.8321	1.2500	14.62	1359.10	19.88	No
22	0.26	13.16	30.73	4.38	0.8321	1.2500	3.22	1359.10	4.37	No
23	0.26	13.25	23.45	6.52	0.8321	1.2500	4.87	1359.10	6.62	No
24	0.26	13.18	31.62	12.79	0.8321	1.2500	9.48	1359.10	12.89	No
25	0.26	13.10	43.14	17.05	0.8321	1.2500	12.41	1359.10	16.87	No
26	0.26	13.18	48.98	17.22	0.8321	1.2500	12.53	1359.10	17.03	No
27	0.26	12.95	57.56	21.22	0.8321	1.2500	15.29	1359.10	20.78	No
28	0.26	12.94	54.55	22.25	0.8321	1.2500	16.00	1359.10	21.75	No
29	0.26	13.03	50.68	20.76	0.8321	1.2500	15.00	1359.10	20.39	No
30	0.26	13.00	51.13	21.73	0.8321	1.2500	15.68	1359.10	21.31	No
31	0.26	12.96	60.19	22.84	0.8321	1.2500	16.43	1359.10	22.34	No
Total	0.26	13.05	50.59	575.73	0.8321		417.40		567.29	

Attachment 4

Water Well Map and Well Data



Legend

- Well Location (1)

OSE PODs

Status

- Active (14)
- Pending (3)
- Unknown (12)

Source Info: NM Office of the State Engineer downloaded on 3/10/2023. (https://geospatialdata-ose.opendata.arcgis.com/)

Water Wells Area of Review

PINTO 36 STATE COM 3H

EDDY COUNTY, NEW MEXICO

Proj Mgr: Nate Alleman	March 13, 2023	Mapped by: Ben Bockelmann

Prepared for: SPUR ENERGY PARTNERS

Prepared by: ALL CONSULTING

Water Well Sampling Rationale					
Spur Energy Partners LLC - Pinto 36 State Com 3H					
Water Wells	**Owner**	**Available Contact Information**	**Use**	**Sampling Required**	**Notes**
RA 05344	Lucid Artesia Company	Kerry Egan Phone: 575-810-6021 Address: 201 S 4th St. Artesia, NM 88210	Commercial	NO	Two water wells within 1-mile have already been sampled.
RA 05344 (1)	Lucid Artesia Company	Kerry Egan Phone: 575-810-6021 Address: 201 S 4th St. Artesia, NM 88210	Commercial	No	Two water wells within 1-mile have already been sampled.
RA 05344 (2)	Lucid Artesia Company	Kerry Egan Phone: 575-810-6021 Address: 201 S 4th St. Artesia, NM 88210	Commercial	No	Two water wells within 1-mile have already been sampled.
RA 13170 POD1	Sylvia Vasquez	806 N. Roselawn Ave Artesia, NM 88210 Home: 575-746-6120 Work: 575-703-5661 Email: sylviavasquez63@yahoo.com	Domestice and Livestock Watering	No	Two water wells within 1-mile have already been sampled.
RA 03975	New Mexico State Land Office	David Dean Wilson Phone: 575-308-1128 & 575-746-3795 80 West Kincaid Ranch Rd. Artesia, NM 88210	Livestock Watering	No	Two water wells within 1-mile have already been sampled.
RA 07952	Ralph Schafer	80 West Kincaid Ranch Rd. Artesia, NM 88210	Livestock Watering	No	Two water wells within 1-mile have already been sampled.
RA 12548 POD1	Remuda Energy Transportation	Kevin Grinder Phone: 575-746-0320 200 W. Illinois, Suite 200 Midland, TX 79701	Sanitary in conjection with a commercial use	No	Two water wells within 1-mile have already been sampled.
RA 05233	Agave Energy Company	326 West Quay St. Artesia, NM 88210	Industrial	Yes	Sampling analysis included
RA 08999	Efren Baeza	314 N. 14th Artesia, NM 88210	Domestic One Household	Yes	Sampling analysis included
RA 13120 POD1	EOG Resources, Inc.	Chase Settle Phone: 575-703-6537 105 S. 4th St. Artesia, NM 88210	Monitoring Well	No	Well was drilled for environmental soil borings. Permit was required in case water was encountered. Well was set to be plugged after 72 hrs.
RA 13120 POD2	EOG Resources, Inc.	Chase Settle Phone: 575-703-6537 105 S. 4th St. Artesia, NM 88210	Monitoring Well	No	Well was drilled for environmental soil borings. Permit was required in case water was encountered. Well was set to be plugged after 72 hrs.
RA 13120 POD3	EOG Resources, Inc.	Chase Settle Phone: 575-703-6537 105 S. 4th St. Artesia, NM 88210	Monitoring Well	No	Well was drilled for environmental soil borings. Permit was required in case water was encountered. Well was set to be plugged after 72 hrs.
RA 13120 POD4	EOG Resources, Inc.	Chase Settle Phone: 575-703-6537 105 S. 4th St. Artesia, NM 88210	Monitoring Well	No	Well was drilled for environmental soil borings. Permit was required in case water was encountered. Well was set to be plugged after 72 hrs.
RA 13120 POD5	EOG Resources, Inc.	Chase Settle Phone: 575-703-6537 105 S. 4th St. Artesia, NM 88210	Monitoring Well	No	Well was drilled for environmental soil borings. Permit was required in case water was encountered. Well was set to be plugged after 72 hrs.
RA 13120 POD6	EOG Resources, Inc.	Chase Settle Phone: 575-703-6537 105 S. 4th St. Artesia, NM 88210	Monitoring Well	No	Well was drilled for environmental soil borings. Permit was required in case water was encountered. Well was set to be plugged after 72 hrs.
RA 13121 POD1	EOG Resources, Inc.	Chase Settle Phone: 575-703-6537 105 S. 4th St. Artesia, NM 88210	Monitoring Well	No	Well was drilled for environmental soil borings. Permit was required in case water was encountered. Well was set to be plugged after 72 hrs.
RA 13121 POD2	EOG Resources, Inc.	Chase Settle Phone: 575-703-6537 105 S. 4th St. Artesia, NM 88210	Monitoring Well	No	Well was drilled for environmental soil borings. Permit was required in case water was encountered. Well was set to be plugged after 72 hrs.
RA 13121 POD3	EOG Resources, Inc.	Chase Settle Phone: 575-703-6537 105 S. 4th St. Artesia, NM 88210	Monitoring Well	No	Well was drilled for environmental soil borings. Permit was required in case water was encountered. Well was set to be plugged after 72 hrs.
RA 13121 POD4	EOG Resources, Inc.	Chase Settle Phone: 575-703-6537 105 S. 4th St. Artesia, NM 88210	Monitoring Well	No	Well was drilled for environmental soil borings. Permit was required in case water was encountered. Well was set to be plugged after 72 hrs.

Water Sampling Results:

RA-08999

CARDINAL Laboratories

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

Analytical Results For:

PERCUSSION PETROLEUM 919 MILAM , STE 2475 HOUSTON TX, 77002	Project: FRESH WATER WELLS Project Number: SLEEPY SWD Project Manager: JERRY MATHEWS Fax To:	Reported: 30-Jul-18 09:59

RA - 08999

H802031-02 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
TDS*	**726**		5.00	mg/L	1	8072312	AC	30-Jul-18	160.1	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

PERCUSSION PETROLEUM 919 MILAM , STE 2475 HOUSTON TX, 77002	Project: FRESH WATER WELLS Project Number: NONE GIVEN Project Manager: JERRY MATHEWS Fax To:	Reported: 30-Jul-18 09:59

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8072312 - Filtration										
Blank (8072312-BLK1)				Prepared: 23-Jul-18 Analyzed: 24-Jul-18						
TDS	ND	5.00	mg/L							
LCS (8072312-BS1)				Prepared: 23-Jul-18 Analyzed: 24-Jul-18						
TDS	536	5.00	mg/L	527		102	80-120			
Duplicate (8072312-DUP1)	**Source: H801976-03**			Prepared: 23-Jul-18 Analyzed: 24-Jul-18						
TDS	932	5.00	mg/L		924			0.862	20	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Water Sampling Results:

RA-05233

ATTACHMENT C
Page 1

PETROLITE

TRETOLITE DIVISION

Petrolite Corporation
422 West Main Street
Artesia, NM 88210-2041

(505) 746-3588
Fax (505) 746-3580

Reply to:
P.O. Box 1140
Artesia, NM
88211-7531

WATER ANALYSIS REPORT

Company : YATES PETROLEUM
Address : ARTESIA, NM
Lease : QUEEN
Well : WATER WELL
Sample Pt. : UNKNOWN

Date : 02/23/96
Date Sampled : 02/22/96
Analysis No. : 0226

	ANALYSIS		mg/L	* meq/L		
1.	pH	7.3				
2.	H2S	0 PPM				
3.	Specific Gravity	1.005				
4.	Total Dissolved Solids		1039.3			
5.	Suspended Solids		NR			
6.	Dissolved Oxygen		NR			
7.	Dissolved CO2		NR			
8.	Oil In Water		NR			
9.	Phenolphthalein Alkalinity (CaCO3)					
10.	Methyl Orange Alkalinity (CaCO3)					
11.	Bicarbonate	HCO3	195.0	HCO3	3.2	
12.	Chloride	Cl	149.0	Cl	4.2	
13.	Sulfate	SO4	400.0	SO4	8.3	
14.	Calcium	Ca	146.0	Ca	7.3	
15.	Magnesium	Mg	51.1	Mg	4.2	
16.	Sodium (calculated)	Na	97.5	Na	4.2	
17.	Iron	Fe	0.8			
18.	Barium	Ba	0.0			
19.	Strontium	Sr	0.0			
20.	Total Hardness (CaCO3)		575.0			

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter

7	*Ca <----- *HCO3	3
	/------->	
4	*Mg -----> *SO4	8
	<---------/	
4	*Na -----> *Cl	4

Compound	Equiv wt	X meq/L	= mg/L
Ca(HCO3)2	81.0	3.2	259
CaSO4	68.1	4.1	278
CaCl2	55.5		
Mg(HCO3)2	73.2		
MgSO4	60.2	4.2	253
MgCl2	47.6		
NaHCO3	84.0		
Na2SO4	71.0	0.0	3
NaCl	58.4	4.2	246

Saturation Values Dist. Water 20 C
CaCO3 13 mg/L
CaSO4 * 2H2O 2090 mg/L
BaSO4 2.4 mg/L

REMARKS:
ANDY MILLER

Petrolite Oilfield Chemicals Group

Respectfully submitted,
SHAWNA MATTHEWS

PETROLITE

ATTACHMENT C
Page 2

SCALE TENDENCY REPORT

Company	: YATES PETROLEUM	Date	: 02/23/96
Address	: ARTESIA, NM	Date Sampled	: 02/22/96
Lease	: QUEEN	Analysis No.	: 0226
Well	: WATER WELL	Analyst	: SHAWNA MATTHEWS
Sample Pt.	: UNKNOWN		

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO3 Scaling Tendency

S.I. = 0.1 at 60 deg. F or 16 deg. C
S.I. = 0.2 at 80 deg. F or 27 deg. C
S.I. = 0.2 at 100 deg. F or 38 deg. C
S.I. = 0.3 at 120 deg. F or 49 deg. C
S.I. = 0.4 at 140 deg. F or 60 deg. C

****

CALCIUM SULFATE SCALING TENDENCY CALCULATIONS
(Skillman-McDonald-Stiff Method)
Calcium Sulfate

S = 1212 at 60 deg. F or 16 deg C
S = 1227 at 80 deg. F or 27 deg C
S = 1216 at 100 deg. F or 38 deg C
S = 1207 at 120 deg. F or 49 deg C
S = 1198 at 140 deg. F or 60 deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
SHAWNA MATTHEWS

Attachment 6

Public Notice Affidavit and Notice of Application Confirmations

APPLICATION FOR AUTHORIZATION TO INJECT

NOTICE IS HEREBY GIVEN: That Spur Energy Partners LLC, 9655 Katy Freeway Suite 500, Houston, TX 77024, is filing an application with the New Mexico Oil Conservation Division to inject gas into the Pinto 36 State Com #003H well for the purpose of reservoir pressure maintenance.

WELL NAME AND LOCATION: Pinto 36 State Com #003H
Located 9.4 miles southwest of Artesia, NM
NW ¼ NE ¼, Section 36, Township 18S, Range 25E
150' FNL & 2,260' FEL
Eddy County, NM

NAME AND DEPTH OF INJECTION ZONE: Penasco Draw; Sa-Yeso (2,311' – 2,673')
EXPECTED MAXIMUM INJECTION RATE: 10 MMCF/day
EXPECTED MAXIMUM INJECTION PRESSURE: 462.2 psi (surface)

Objections or requests for hearing must be filed with the New Mexico Oil Conservation Division within fifteen (15) days. Any objection or request for hearing should be mailed to the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505.

Additional information may be obtained by contacting Nate Alleman at 918-382-7581.

Carlsbad Current Argus.
PART OF THE USA TODAY NETWORK

Affidavit of Publication

Ad # 0005671702

This is not an invoice

ALL CONSULTING
1718 SOUTH CHEYENNE AVE

TULSA, OK 74119

I, a legal clerk of the **Carlsbad Current Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof in editions dated as follows:

04/20/2023

Legal Clerk

Subscribed and sworn before me this April 20, 2023:

State of WI, County of Brown
NOTARY PUBLIC

1-7-25
My commission expires

KATHLEEN ALLEN
Notary Public
State of Wisconsin

Ad # 0005671702
PO #: 5671702
# of Affidavits 1

This is not an invoice

APPLICATION FOR AUTHORIZATION TO INJECT

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Additional information may be obtained by contacting Nate Alleman at 918-382-7581.
#5671702. Current Argus, April 20, 2023

Pinto 36 State Com #3H- Notice of Application Recipients				
Entity	**Address**	**City**	**State**	**Zip Code**
Land & Mineral Owner				
Commision of Public Lands - State Land Office	310 Old Santa Fe Trail	Santa Fe	NM	87501
OCD District				
NMOCD District 2	506 W. Texas	Artesia	NM	88210
Leasehold Operators				
Yates Petroleum Corporation (YATES PET, YATES ETAL)	105 South fourth	Artesia	NM	88210
Marathon Oil Co. (MARATHON)	P.O. Box 552	Midland	TX	79701
COG Operating LLC (COG OP)	600 W. Illinois Ave	Midland	TX	79701
Silverback Operating II, LLC (SILVERBACK NEW MEXICO LLC)	19707 IH10 West, Suite 201	San Antonio	TX	78256
Chase Oil Corporation (CHASE OIL CORPORATION)	P.O. Box 1767	Artesia	NM	88211

Notes: The table above shows the Entities who were identified as parties of interest requiring notification on either the 1/2-mile well detail list (Attachment 2) or on the 2-mile Mineral Lease Map (Attachment 2). The names listed above in parenthesis, are the abbreviated entity names used on either the 1-mile well detail list (Attachment 2) or on the 2-mile Mineral Lease Map (Attachment 2).