BEFORE THE OIL CONSERVATION DIVISION
EXAMINER HEARING DECEMBER 7, 2023

CASE NO. 24042

BKU 566

EDDY COUNTY, NEW MEXICO

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. 24042

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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. 24042

APPLICATION

Spur Energy Partners LLC ("Spur") (OGRID No. 328947), through its undersigned attorneys, hereby files this application with the Oil Conservation Division for an order approving a pressure maintenance project in the Yeso Group underlying a project area comprised of portions of the E/2 E/2 of Section 13 and the SE/2 SE/4 of Section 12, Township 17 South, Range 29 East, and Section 18 and the S/2 S/2 of Section 7, Township 17 South, Range 30 East, NMPM, Eddy County, New Mexico. In support of its application, Spur states:

1. Spur seeks approval to inject produced gas into the **Burch Keely Unit #566** (API No. 30-015-39870) at a total vertical depth of approximately 4,240 feet to approximately 4,540 feet.

2. Spur anticipates injection through this well will provide pressure maintenance support for its offsetting wells identified in **Exhibit A**, which are operated by Spur and drilled and completed in the Yeso Group.

3. The interval that will benefit from the proposed pressure maintenance constitutes the Paddock member of the Yeso Group, being the stratigraphic equivalent of 4,198 feet to the top of the Upper Blinebry at approximately 4,640 feet as identified in the Burch Keely Unit #416 (API No. 30-015-37128).

4. Spur seeks authority to inject produced gas into the Burch Keely; Glorieta-Upper Yeso Pool (Pool Code 97918) at a maximum surface injection pressure of 1,077 psi with an average surface injection pressure of approximately 700 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.

5. The source of produced gas will be from offsetting wells producing from the Glorieta-Upper Yeso Pool.

6. The project area for this pressure maintenance injection project will comprise the following acreage in Eddy County:

Township 17 South, Range 29 East, NMPM
Section 13: E/2 E/2
Section 12: SE/4 SE/4

Township 17 South, Range 30 East, NMPM
Section 18: All
Section 7: S/2 S/2

7. A copy of the Form C-108 for this injection project is provided with this application as **Exhibit B**.

8. 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.

9. 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 December 7, 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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Adam G. Rankin
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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 Group underlying a project area comprised of portions of the E/2 E/2 of Section 13 and the SE/2 SE/4 of Section 12, Township 17 South, Range 29 East, and Section 18 and the S/2 S/2 of Section 7, Township 17 South, Range 30 East, NMPM, Eddy County, New Mexico. Produced gas will be injected into the **Burch Keely Unit #566** (API No. 30-015-39870) at a total vertical depth of approximately 4,240 feet to approximately 4,540 feet. The interval that will benefit from the proposed pressure maintenance constitutes the Paddock member of the Yeso Group, being the stratigraphic equivalent of 4,198 feet to the top of the Upper Blinebry at approximately 4,640 feet as identified in the Burch Keely Unit #416 (API No. 30-015-37128). The project area for this pressure maintenance injection project will comprise the following acreage in Eddy County:

Township 17 South, Range 29 East, NMPM
Section 13: E/2 E/2
Section 12: SE/4 SE/4
Township 17 South, Range 30 East, NMPM
Section 18: All
Section 7: S/2 S/2

Spur seeks approval to inject at a maximum surface injection pressure of 1,077 psi with an average surface injection pressure of approximately 700 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 Glorieta-Yeso Pool. The proposed project is located approximately 4 miles southwest of Loco Hills, New Mexico.

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

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

CASE NO. 24042

SELF-AFFIRMED STATEMENT OF OLIVER SEEKINS

1. My name is Oliver Seekins. I work for ALL Consulting as a consultant and project manager. I have been retained Spur Energy Partners LLC ("Spur") (OGRID No. 328947).

2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in Class II UIC regulatory matters. My credentials as an expert in Class II UIC regulatory matters have been accepted by the Division and made a matter of record.

3. I am familiar with the application filed by Spur in this case, and I am familiar with the status of the lands in the subject area.

4. **Spur Exhibit A-1** is a full and complete copy of the Form C-108 application filed by Spur in this case.

5. In this application, Spur seeks an order approving a pressure maintenance project in the Yeso Group underlying a project area comprised of portions of E/2 E/2 of Section 13 and the SE/2 SE/4 of Section 12, Township 17 South, Range 29 East, and Section 18 and the S/2 S/2 of Section 7, Township 17 South, Range 30 East, NMPM, Eddy County, New Mexico.

6. Spur seeks approval to inject produced gas into the **Burch Keely Unit #566** (API No. 30-015-39870) at a total vertical depth of approximately 4,240 feet to approximately 4,540 feet.

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A
Submitted by: Spur Energy Partners, LLC
Hearing Date: December 7, 2023
Case No. 24042

7. **Spur Exhibit A-2** is a list of wells Spur anticipates will benefit from the proposed pressure maintenance support. All of the wells identified are operated by Spur and have been drilled and completed in the Burch Keely; Glorieta-Upper Yeso Pool (Pool Code 97918).

8. The project area for this pressure maintenance injection project will comprise the following acreage in Eddy County:

Township 17 South, Range 29 East, NMPM
Section 13: E/2 E/2
Section 12: SE/4 SE/4

Township 17 South, Range 30 East, NMPM
Section 18: All
Section 7: S/2 S/2

9. The **Burch Keely Unit #566 (API No. 30-015-39870)** proposed pressure maintenance well is located 1,650 feet from the north line and 1,650 feet from the west line (Unit Letter F), Section 18, Township 17 South, Range 30 East, NMPM Eddy County, New Mexico. Page 14 in **Spur Exhibit A-1** contains a C-102 depicting the location of the proposed pressure maintenance well.

10. The proposed injection pressure maintenance will be within the Yeso Group Burch Keely; Glorieta-Upper Yeso Pool (Pool Code 97918) at a total vertical depth of approximately 4,240 feet to approximately 4,540 feet below the ground through a perforated completion. The maximum surface injection pressure will be 1,077 pounds per square inch (psi) with an estimated average surface injection pressure of approximately 700 psi. The maximum injection rate will be 10 million cubic feet of gas per day (MMCF/day), with an estimated average injection rate of approximately 5 MMCF/day.

11. The proposed injection volumes can be achieved without exceeding the maximum surface injection pressure.

12. Burch Keely Unit #566 was previously stimulated during the initial completion as a production well, however Spur does not currently plan to restimulate the Burch Keely Unit #566 well.

13. A copy of the as built well bore diagram is included on page 15 of **Spur Exhibit A-1.** Additionally, a copy of the as-built completion report is included on pages 16-17 of **Spur Exhibit A-1**.

14. A copy of the proposed well bore diagram is included on page 18 of **Spur Exhibit A-1**. Details of the proposed packer system are included on page 19. An overview of the Burch Keely Unit #566 construction and casing program are included on page 19.

15. The Burch Keely Unit #566 has been constructed with the 13-3/8" surface casing, 8-5/8" intermediate casing and the 5-1/2" production casing all cemented back to surface.

16. The annular space between the production casing and the injection tubing will be filled with an inert packer fluid to protect both the production casing and the injection tubing. Additionally, both the injection and annulus pressures will be monitored to confirm that mechanical integrity of the well during pressure maintenance injection.

17. The Burch Keely Unit #566 has been cased and cemented in a manner that will protect freshwater and underground sources of drinking water in the area, as well as to protect correlative rights.

18. Sixty-three (63) wells are located within the half-mile area of review (AOR). Forty-four (44) of those wells are active producers, eight (8) of those are proposed production wells, and eleven (11) of those have been plugged and abandoned. Information on each of the wells within the half-mile area of review is tabulated on pages 22-23 of **Spur Exhibit A-1.** Forty-three (43) wells within the area of review penetrate the injection interval; one (1) of which

has been plugged and abandoned and the other Forty-two (42) are production wells. Of the forty-two (42) production wells that penetrate the proposed injection zone, thirty-three (33) of them have been properly constructed and completed in the Yeso Group [Burch Keely; Glorieta-Upper Yeso Pool (Pool Code 97918)] and are expected to be stimulated by the Burch Keely Unit #566. The other nine (9) penetrating production wells have been properly cased and cemented to isolate them from the Yeso Group.

19. Where available, casing, and cementing information for each well that penetrates the injection interval within the half-mile AOR are included on pages 24-26 of **Spur Exhibit A-1**. Additionally, none of the existing wells located within the half-mile AOR are expected to create a potential conduit for the migration of injectate out of the proposed injection zone.

20. The proposed injection gas to be injected through the Burch Keely Unit #566 is expected to consist of gas produced from the Yeso Group Burch Keely; Glorieta-Upper Yeso Pool (Pool Code 97918) and re-injected into the same formations for the purpose of pressure maintenance. An analysis of the proposed injectate is included on page 33 of **Spur Exhibit A-1**. Based on the injectate analysis and the fact that the injection gas will be re-injected into the same production formation, I do not expect there will be any compatibility issues between the injectate and the injection formation.

21. The surface at the location of the proposed pressure maintenance injection well consists of Bureau of Land Management Lands. Page 28 of **Spur Exhibit A-1** includes a map depicting all the identified oil and gas leases within a two-mile radius of the proposed injection well.

22. **Spur Exhibit A-1** page 37 contains a map depicting the location of the Burch Keely Unit #566 and the relative location of one (1) water well located just outside a one-mile radius.

23. Notice of this application was provided to the surface owner, NMOCD District Office, and all identified Affected Persons within the half-mile AOR. A complete list of the parties entitled to notice is included on page 42 of **Spur Exhibit A-1**. Parties entitled to notice were identified based on a determination of the title of lands and interests as recorded in the records of Eddy County and from a review of the NMOCD Operator and BLM operator and lease records as of the time the application was filed.

24. It is my opinion that Spur undertook a good faith effort to locate and identify the correct parties and valid addresses required for notice within the half-mile AOR. To the best of my knowledge the addresses used for notice purposes are valid and correct. There were no unlocatable parties for whom we were unable to locate a valid address for this case.

25. In my opinion, granting this application will help conserve resources, and will avoid waste and protect correlative rights.

26. I affirm under penalty of perjury under the laws of the State of New Mexico that the foregoing statements are true and correct. I understand that this self-affirmed statement will be used as written testimony in this case. This statement is made on the date next to my signature.

Oliver Seekins 12/04/2023
Oliver Seekins Date

EXHIBIT B

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: Spur Energy Partners LLC **OGRID Number:** 328947
Well Name: Burch Keely Unit #566 **API:** 30-015-39870
Pool: Burch Keely; Glorieta - Upper Yeso **Pool Code:** 97918

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

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A-1
Submitted by: Spur Energy Partners, LLC
Hearing Date: December 7, 2023
Case No. 24042

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.

Oliver Seekins
Print or Type Name

Signature

10.26.2023
Date

918-382-7581
Phone Number

OSEEKINS@ALL-LLC.com
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? _____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).

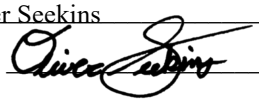
*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

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: Oliver Seekins TITLE: Consultant / Project Manager

SIGNATURE:  DATE: 11/01/2023

E-MAIL ADDRESS: Oseekins@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: Burch Keely Unit #566
API: 30-015-39870

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: Burch Keely Unit #566
Location Footage Calls: 1,650 FNL & 1,650 FWL
Legal Location: Unit Letter F, S18 T17S R30E
Ground Elevation: 3,643'
API: 30-015-39870
Proposed Injection Interval: 4,240' – 4,540'
County: Eddy

(2) Casing Information:

Type	Hole Size	Casing Size	Casing Weight	Setting Depth	Sacks of Cement	Estimated TOC	Method Determined
Surface Casing	17.5"	13-3/8"	48 lb/ft	263'	400	Surface	Circulation
Intermediate Casing	11"	8-5/8"	24 lb/ft	1,183'	1,300	Surface	Circulation
Production Casing	7-7/8"	5-1/2"	17 lb/ft	4,659'	900	Surface	Circulation

(3) Tubing Information:

2-7/8" (6.5lbs/ft) J-55 IPC tubing with setting depth of 4,184'.

(4) Packer Information: D&L Oil Tools ASI-X Packer or equivalent packer set at 4,184'.

B.

(1) Injection Formation Name: Yeso Group
Pool Name: BURCH KEELY; GLORIETA-UPPER YESO
Pool Code: 97918
(2) Injection Interval: Perforated injection between 4,240' – 4,540'
(3) Drilling Purpose: Recompletion for gas injection 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.

- Yates (1,103')
- Queen (2,000')
- San Andres (2,693')

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

- Wolfcamp (7,590')
- Morrow (10,635')

Application for Authorization to Inject
Well Name: Burch Keely Unit #566
API: 30-015-39870

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 62 wells within the 1/2-mile AOR, of which 46 penetrate the injection zone. Of the 46 wells that penetrate the injection zone, one (1) is plugged. Each well that penetrates the injection zone has either been cased and cemented or plugged and abandoned to isolate the injection zone.

A list of the wells within the 1/2-mile AOR and a wellbore diagram for the plugged well that penetrates 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**: 1,077 psi (surface)
Proposed Average Injection Pressure: approximately 700 psi (surface)
(4) **Source Injectate Analysis:** The injectate is expected to consist of gas produced from the Glorieta-Upper Yeso Pool and re-injected into the same formations for pressure maintenance ***Attachment 3***.

VIII – Geologic Description

The proposed injection interval includes the Yeso Group from 4,240 to 4,540 feet. The Yeso Group consists predominantly of dolomites and anhydritic dolomites, with some siltstones. This unit is capable of taking gas produced from the subject formation(s) in the area.

The groundwater aquifers are the Artesian & Valley fill, with the base of the USDW being located at the base of the Rustler Formation at 500 feet. There are no active water wells in the area with depths to groundwater provided.

A structural cross-section and details of the proposed injection formation(s) within the project area are included in **Attachment 4.**

Application for Authorization to Inject
Well Name: Burch Keely Unit #566
API: 30-015-39870

IX – Proposed & Previous Stimulation Program

This well was previously stimulated during its initial completion as a production well. Spur does not plan to restimulate the Burch Keely Unit #566.

X – Logging and Test Data

Spur does not currently intend to run any additional logs.

XI – Fresh Groundwater Samples

Based on a review of data from the New Mexico Office of the State Engineer, no groundwater wells are located within 1 mile of the proposed SWD location.

A water well map showing the 1-mile buffer area is included in ***Attachment 5***.

XII – No Hydrologic Connection Statement

There is no faulting 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.

A signed No Hydrologic Connection Statement is included as ***Attachment 6.***

XIII – Proof of Notice

A table listing the identified parties requiring notice of this Authorization to Injection application, including the land surface owner, any lease-held operators and any other affected persons are included as **Attachment 7**.

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: Structural Cross Section & Injection Formation Details

Attachment 5: Water Well Map and Well Data

Attachment 6: Signed No Hydrologic Connection Statement

Attachment 7: List of Notice Recipients

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
JAN 27 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

API Number	Pool Code	Pool Name
30-015-39870	28509	GRAYBURG JACKSON: SR-Q-G-SA

Property Code	Property Name	Well Number
308086	BURCH KEELY UNIT	566

OGRID No	Operator Name	Elevation
229137	COG OPERATING, LLC	3643'

Surface Location

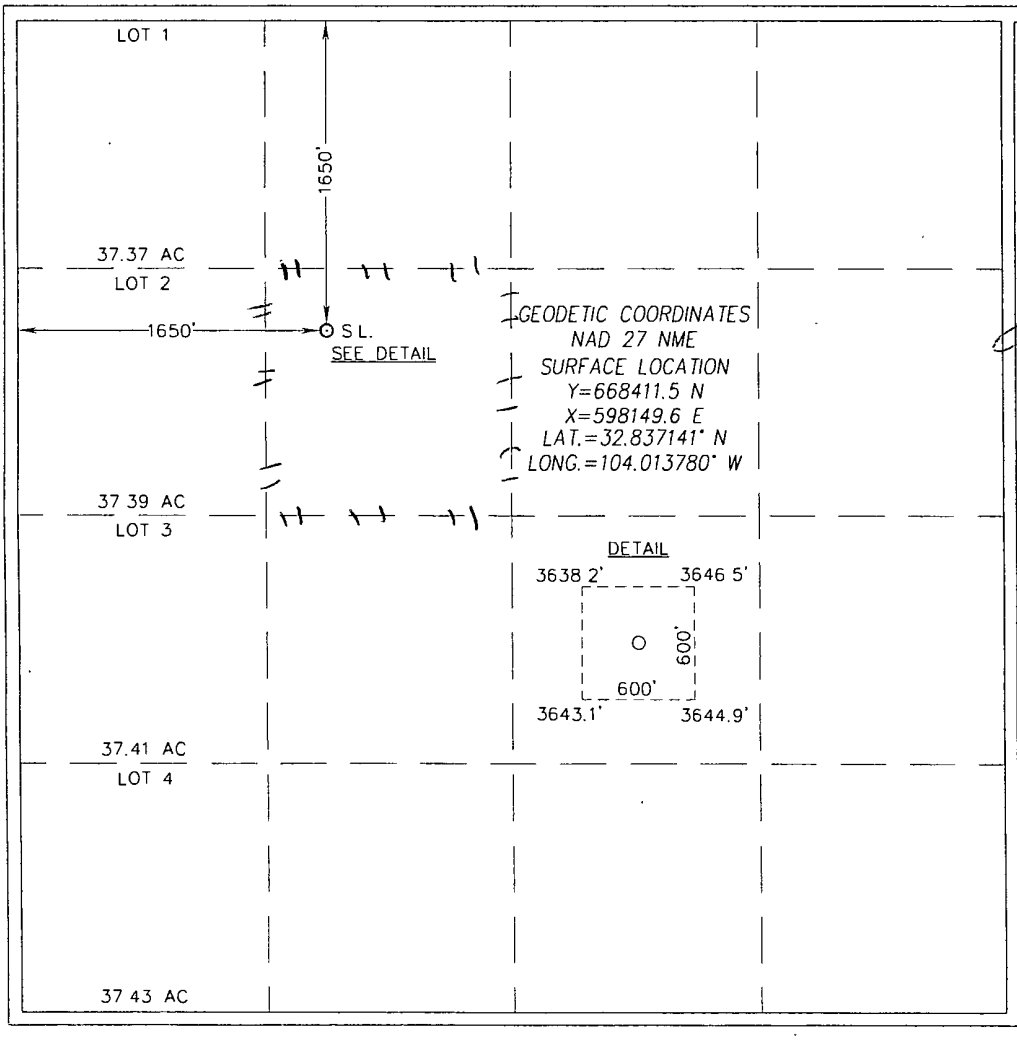
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	18	17-S	30-E		1650	NORTH	1650	WEST	EDDY

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
40			

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



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 12/19/2011 Date

Robyn M. Odom
Printed Name

Rodom@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

SEPTEMBER 27, 2011
Date of Survey
Signature & Seal of Professional Surveyor

RONALD J. EIDSON NEW MEXICO 3239 REGISTERED PROFESSIONAL SURVEYOR

10/20/2011

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

AF WSE W.O.: 11.11.1357

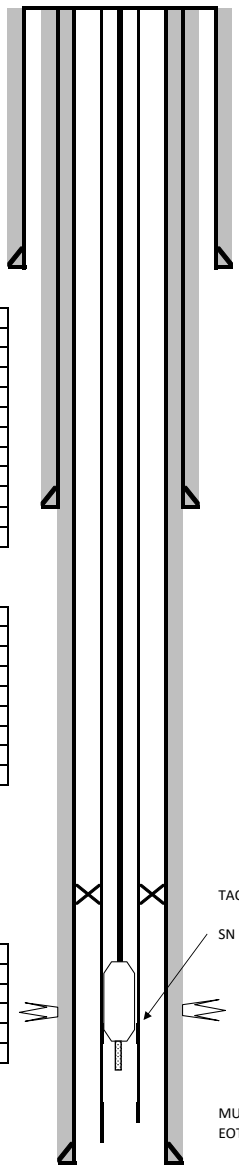
API #	30-015-39870	**BURCH KEELY UNIT 566**		County, ST	Eddy County, NM
Operator	Spur Energy Partners			Sec-Twn-Rng	18-17S-30E
Field	GLORIETA-UPPER YESO			Footage	1650 FNL, 1650 FWL
Spud Date	3/27/2012			Survey	32.8373413, -104.0142895

Formation (MD)	
RUSTLER	289'
SALADO	557'
TANSILL	699'
YATES	1,103'
QUEEN	2,000'
SAN ANDRES	2,693'
GLORIETA	4,117'
YESO	4,207'

RKB	10'
GL	3,643'

Hole Size	17 1/2"
TOC	Surface
Method	CIRC

Csg Depth	263'
Size	13 3/8"
Weight	48#
Grade	H40
Connections	
Cement	400 SX



As-Built

Tubing Detail				
Jts	Size	Depth	Length	Detail
128	2 7/8"	4049.1	4049.1	2 7/8" 6.5# J55 8RD EUE
1	2 7/8"	4051.1	2	2 7/8" Marker Sub
2	2 7/8"	4114.3	63.2	2 7/8" 6.5# J55 8RD EUE
1	5 1/2"	4117	2.77	5 1/2" x 2 7/8" TAC
9	2 7/8"	4401	283.97	2 7/8" 6.5# J55 8RD EUE
1	2 7/8"	4402.1	1.1	2 7/8" SN
1	2 7/8"	4408.1	6	2 7/8" Pup Jt
1	2 7/8"	4425.1	17	Desander
1	2 7/8"	4522.3	97.23	2 7/8" 6.5# J55 8RD EUE
1	2 7/8"	4523.1	0.75	Bull Plug

Hole Size	11"
TOC	Surface
Method	CIRC

Csg Depth	1,183'
Size	8 5/8"
Weight	24#
Grade	J55
Connections	
Cement	1300 SX

Rod Detail					
Rods	Size	Depth	Length	Guides	Detail
1	1 1/2"	26	26		1.5" 26' SMPR
2	7/8"	36	10		D Pony Rods
21	7/8"	561	525		D Guided Rods
141	7/8"	4086	3525		D Rods
12	1 1/2"	4386	300		Grade K Sinker Bars
1	2 1/2"	4406	20		25-125-RHBC-20-?-?-?
1		4408	2		2' Strainer Nipple

Hole Size	7 7/8"
TOC	SURFACE
Method	CIRC

Csg Depth	4,659'
Size	5 1/2"
Weight	17#
Grade	J55
Connections	LTC
Cement	900 sx

Last Update	1/30/2023
By	WSC

PBTD	4,541'
TD MD	4,672'
TD TVD	4,672'

TAC @ 4,117'

SN @ 4,402'

Paddock Perforations
4,240' - 540': 4/19/2012 - ACIDIZE W/ ,100 GAL 15% ACID
& FRAC W/ 118,19 GAL GEL, 133,608# 16/30 BROWN
SAND, 30,247 16/30 SIBERPROP

MULE SHOE MUD ANCHOR
EOT @ 4,523'

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMLC028784B

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. NMNM88525X

2. Name of Operator COG OPERATING LLC — Contact CHASITY JACKSON — E-Mail: cjackson@concho com

8 Lease Name and Well No BURCH KEELY UNIT 566

3 Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701

3a Phone No. (include area code) Ph: 432-686-3087

9 API Well No. 30-015-39870-00-S1

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

At surface SENW 1650FNL 1650FWL

At top prod interval reported below SENW 1650FNL 1650FWL

At total depth SENW 1650FNL 1650FWL

RECEIVED
JUN 26 2012
NMOCD ARTESIA

10. Field and Pool, or Exploratory BURCH KEELY-GLORIETA-UPPER YES

11. Sec., T., R., M., or Block and Survey or Area Sec 18 T17S R30E Mer NMP

12. County or Parish EDDY — 13 State NM

14 Date Spudded 03/27/2012

15 Date T.D. Reached 04/01/2012

16. Date Completed ☐ D & A ☒ Ready to Prod 04/19/2012

17 Elevations (DF, KB, RT, GL)* 3643 GL

18 Total Depth: MD 4672 TVD 4672

19 Plug Back T D: MD 4541 TVD 4541

20. Depth Bridge Plug Set: MD TVD

21 Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATEDNEUT HNGSMCFL HNGS

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

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

Hole Size	Size/Grade	Wt (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48 0	0	263		400		0	
11.000	8.625 J-55	24.0	0	1183		1300		0	
7.875	5 500 J-55	17.0	0	4659		900		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4585							

25 Producing Intervals — 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A)	PADDOCK	4240	4540	4240 TO 4540	0.410	26	OPEN, Paddock
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
4240 TO 4540	ACIDIZE W/2,100 GALS 15% ACID
4240 TO 4540	FRAC W/118,219 GALS GEL, 133,608# 16/30 BROWN SAND, 30,247# 16/30 SIBERPROP

RECLAMATION
DUE 10-19-12

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
05/04/2012	05/05/2012	24	→	126 0	150.0	292 0	39 2	0 60	ELECTRIC PUMPING UNIT
Choke Size	**Tbg Press Flwg SI**	**Csg Press**	**24 Hr Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas Oil Ratio**	**Well Status**	
		70 0	→	126	150	292	1190	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	**Tbg Press Flwg SI**	**Csg Press**	**24 Hr Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas Oil Ratio**	**Well Status**	
			→						

ACCEPTED FOR RECORD
JUN 13 2012
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #140616 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

28b. Production - Interval C

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

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

28c. Production - Interval D

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

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

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30 Summary of Porous Zones (Include Aquifers)

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas Depth
RUSTLER	289		ANHYDRITE	RUSTLER	289
SALADO	557		SALT	SALADO	557
TANSILL	699		LIMESTONE & DOLOMITE	TANSILL	699
YATES	1103		SANDSTONE	YATES	1103
QUEEN	2000		SANDSTONE & DOLOMITE	QUEEN	2000
SAN ANDRES	2693		DOLOMITE & LIMESTONE	SAN ANDRES	2693
GLORIETA	4117		SANDSTONE	GLORIETA	4117
YESO	4207		DOLOMITE & ANHYDRITE	YESO	4207

32. Additional remarks (include plugging procedure).
Logs will be mailed

33 Circle enclosed attachments

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4 Directional Survey
5 Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other

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

Electronic Submission #140616 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 06/20/2012 (12KMS2428SE)

Name *(please print)* CHASITY JACKSON Title PREPARER

Signature (Electronic Submission) Date 06/14/2012

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

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

API #	30-015-39870	BURCH KEELY UNIT 566	County, ST	Eddy County, NM
Operator	Spur Energy Partners		Sec-Twn-Rng	18-17S-30E
Field	GLORIETA-UPPER YESO		Footage	1650 FNL, 1650 FWL
Spud Date	3/27/2012		Survey	32.8373413, -104.0142899

Formation (MD)	
RUSTLER	289'
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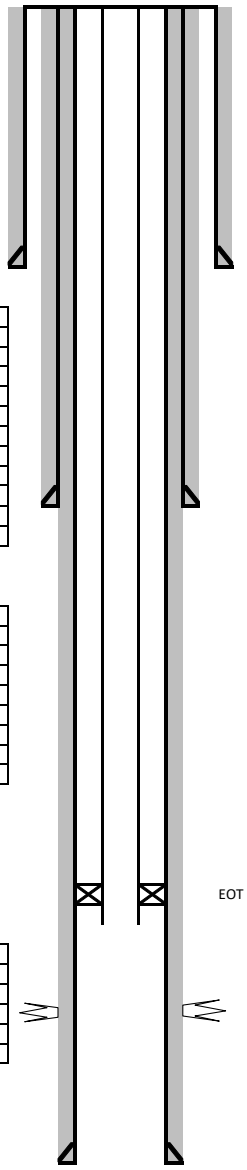
YESO	4,207'

RKB	10'
GL	3,643'

Hole Size	17 1/2"
TOC	Surface
Method	CIRC

Csg Depth	263'
Size	13 3/8"
Weight	48#
Grade	H40
Connections	
Cement	400 SX



Proposed

Tubing Detail				
Jts	Size	Depth	Length	Detail
132	2 7/8"	4175.6	4175.6	2 7/8" 6.5# J55 8RD EUE
1	2 7/8"	4182.6	7	5 1/2" x 2 7/8" Packer
2	2 7/8"	4184.1	1.5	WL Reentry Guide

TOC	Surface
Method	CIRC

Csg Depth	1,183'
Size	8 5/8"
Weight	24#
Grade	J55
Connections	
Cement	1300 SX

Rod Detail					
Rods	Size	Depth	Length	Guides	Detail

Hole Size	7 7/8"
TOC	SURFACE
Method	CIRC

Csg Depth	4,659'
Size	5 1/2"
Weight	17#
Grade	J55
Connections	LTC
Cement	900 sx

EOT and Packer @ ~4,184'

Paddock Perforations
4,240' - 540': 4/19/2012 - ACIDIZE W/ ,100 GAL 15% ACID
& FRAC W/ 118,19 GAL GEL, 133,608# 16/30 BROWN
SAND, 30,247 16/30 SIBERPROP

Last Update	1/30/2023
By	WSC

PBTD	4,541'
TD MD	4,672'
TD TVD	4,672'

ASI-X PACKER

The **ASI-X Single String Double-Grip Production Packer** is the most versatile of the mechanically set retrievable packers and may be used in any production application. This packer is suited for treating, testing, or injection applications, in pumping or flowing wells, either deep or shallow. This packer can be left in tension or compression depending on well conditions and the required application.

A large internal by-pass reduces swabbing when running and retrieving. The by-pass closes when the packer is set and opens prior to releasing the upper slips when retrieving to allow pressure equalization. The J-slot design allows easy setting and releasing; 1/4 turn right-hand set, 1/4 turn right-hand release.

The standard ASI-X Packer is designed for differential pressures up to 7,000 PSI (unless noted otherwise). This packer is also available in an HT version which is designed for differential pressures up to 10,000 PSI (unless noted otherwise). The HT version allows this packer to be utilized in completions where high pressure treating operations are performed and it is desirable to leave the tool in the well for production.

Special Features

- By-pass below upper slips to wash debris when valve is opened
- By-pass is opened before upper slips are released
- Can be set with tension for shallow well applications
- Can be left in tension, compression or neutral
- 1/4 turn right-hand set, 1/4 turn right-hand release
- Additional J-Slot arrangements available

Product Specifications

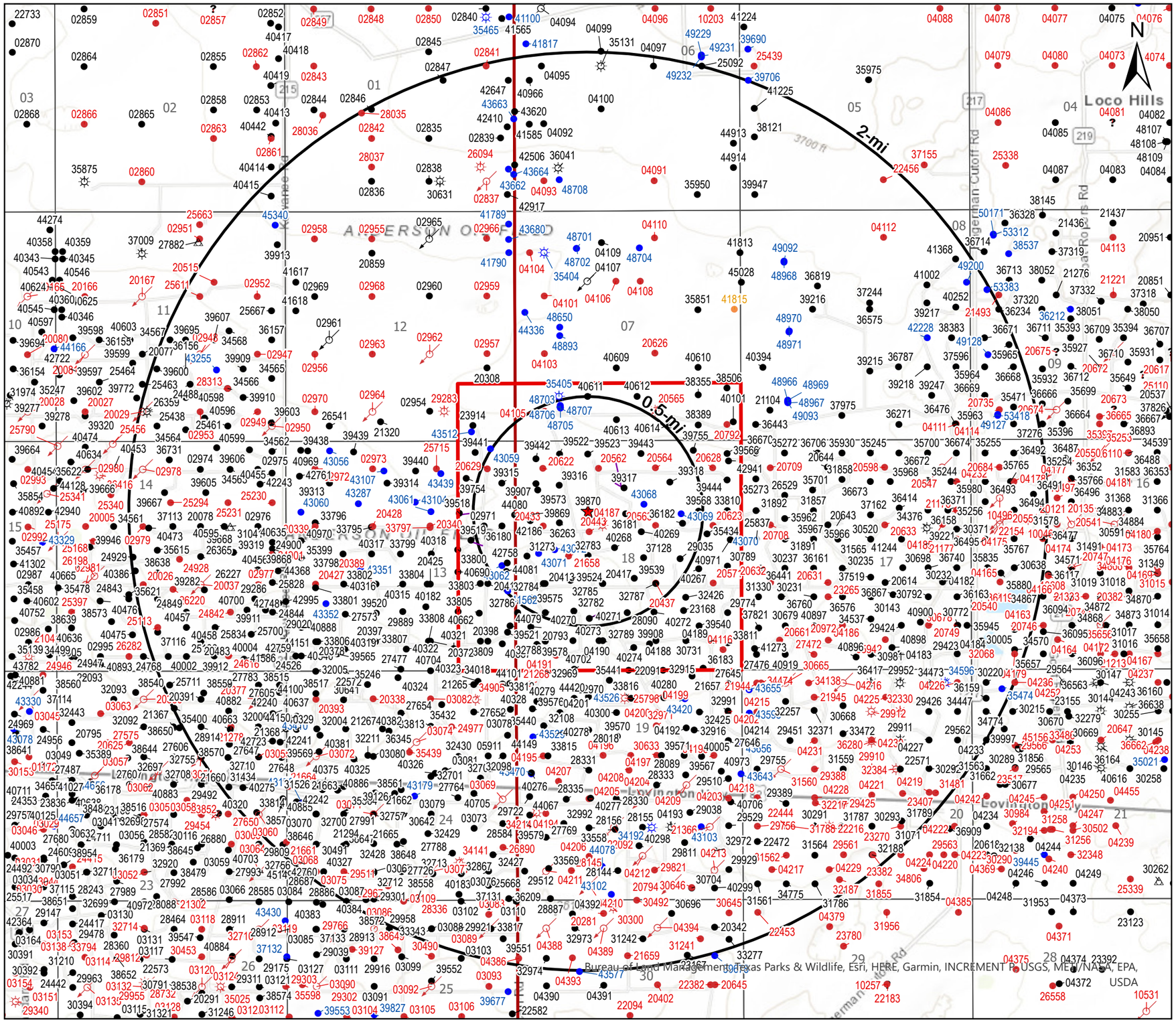
Casing		Recommended Hole Size (inches)	Gage OD (inches)	Max OD (inches)	Tool ID (inches)	Thread Connections Box Up / Pin Down	Part Number	
Size (inches)	Weight (lbs/ft)						Std	HT
2-7/8	6.4 - 6.5	2.375 - 2.441	2.250	2.263[1]	0.63	1.050 EUE	60325-3E*	-
	8.6	2.259	2.125	2.152[1]	0.63	1.050 EUE	60324-3E*	-
3-1/2	7.5 - 7.7	3.068 - 3.250	2.938	-	1.25	1.900 NUE	60336*	-
	7.7 - 10.2	2.922 - 3.068	2.781	-	1.25	1.900 NUE	60335*	-
	12.95	2.750	2.562	-	1.00	1.315 EUE / 1.660 EUE	60337*	-
4	9.5 - 11.0	3.476 - 3.548	3.250	3.312[1]	1.50	1.900 EUE	60340*	-
	10.46 - 12.95	3.340 - 3.476	3.187	-	1.50	1.900 EUE	60341*	-
4-1/2	9.5 - 13.5	3.920 - 4.090	3.750	-	1.94	2-3/8 EUE	60345[2]	60345HT[2]
	13.5 - 15.1	3.826 - 3.920	3.650	-	1.94	2-3/8 EUE	60344[2]	60344HT[2]
	15.1	3.826	3.641	-	1.94	2-3/8 EUE	60346	-
	15.1 - 16.6	3.754 - 3.826	3.594	-	1.50	1.900 EUE	60343	-
	18.8	3.640	3.437	-	1.50	1.900 EUE	60342	-

[1] Maximum OD is across retracted drag blocks.
[2] Drilled for wireline.
* Designed for differential pressures up to 10,000 PSI.
Rubber Trim Upgrade Options (additional cost, inquire with a D&L sales associate): HSN, Viton, ECNER/Aflas, ECNER/HSN, EPDM
NOTE: All pricing includes standard Nitrile trim. Other sizes, connections, and rubber options available upon request.

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
- Affected Wells Laterals (5)
- Project Area
- Miscellaneous (3)
- Gas, Active (19)
- Gas, New (5)
- Gas, Plugged (23)
- Injection, Active (5)
- Injection, Plugged (69)
- Oil, Active (906)
- Oil, New (93)
- Oil, Plugged (326)
- Oil, Temporary Abandonment (1)
- Salt Water Disposal, Active (3)
- Salt Water Disposal, Plugged (1)
- ? undefined (7)

Source Info: NMOCD O&G Wells updated 10/25/2023 (https://www.emnrd.nm.gov/ocd/ocd-data/ftp-server/l)

O&G Wells AOR Map

BURCH KEELY UNIT #566

Eddy County, New Mexico

Proj Mgr: Oliver Seekins	October 25, 2023	Mapped by: Ben Bockelmann

Prepared for: SPUR ENERGY PARTNERS

Prepared by: ALL CONSULTING

AOR Tabulation for Burch Keely Unit 566 (Top of Injection Interval: 4,240'-4,540')

Well Name	API#	Well Type	Operator	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
GRAYBURG DEEP UNIT #001	30-015-04187	Plugged	CONOCOPHILLIPS COMPANY	5/29/1954	F-18-17S-30E	Plugged (12,076)	Yes
BURCH KEELY UNIT #011	30-015-20443	Plugged	MARBOB ENERGY CORP	5/21/1971	F-18-17S-30E	Plugged (3,326)	No
BURCH KEELY UNIT #411	30-015-36263	Oil	Spur Energy Partners LLC	9/20/2010	E-18-17S-30E	5,100	Yes
BURCH KEELY UNIT #417	30-015-36181	Oil	Spur Energy Partners LLC	11/11/2010	18-17S-30E	5,000	Yes
BURCH KEELY UNIT #557	30-015-39316	Oil	Spur Energy Partners LLC	1/3/2012	D-18-17S-30E	4,690	Yes
BURCH KEELY UNIT #559	30-015-39317	Oil	Spur Energy Partners LLC	1/14/2012	C-18-17S-30E	4,687	Yes
BURCH KEELY UNIT #007	30-015-20562	Plugged	MARBOB ENERGY CORP	Unknown*	C-18-17S-30E	Plugged (3,900)	No
BURCH KEELY UNIT #349	30-015-32783	Oil	Spur Energy Partners LLC	8/20/2003	K-18-17S-30E	4,710	Yes
BURCH KEELY UNIT #572	30-015-40268	Oil	Spur Energy Partners LLC	7/6/2012	F-18-17S-30E	4,678	Yes
BURCH KEELY UNIT #012	30-015-20433	Plugged	MARBOB ENERGY CORP	5/9/1971	E-18-17S-30E	Plugged (3,300)	No
BURCH KEELY UNIT #022	30-015-21658	Plugged	MARBOB ENERGY CORP	1/22/1976	L-18-17S-30E	Plugged (3,300)	No
BURCH KEELY UNIT #571	30-015-43072	Oil	COG OPERATING LLC	New Not Drilled	E-18-17S-30E	Proposed (4,700)	N/A
BURCH KEELY UNIT #939H	30-015-39573	Oil	Spur Energy Partners LLC	6/26/2012	D-18-17S-30E	4,785	Yes
BURCH KEELY UNIT #564	30-015-39869	Oil	Spur Energy Partners LLC	4/4/2012	E-18-17S-30E	4,650	Yes
BURCH KEELY UNIT #568	30-015-43068	Oil	COG OPERATING LLC	New Not Drilled	G-18-17S-30E	Proposed (4,700)	N/A
BURCH KEELY UNIT #573	30-015-40269	Oil	Spur Energy Partners LLC	6/2/2012	G-18-17S-30E	4,670	Yes
BURCH KEELY UNIT #550	30-015-39523	Oil	Spur Energy Partners LLC	2/27/2012	C-18-17S-30E	4,655	Yes
BURCH KEELY UNIT #932H	30-015-42186	Oil	Spur Energy Partners LLC	12/9/2014	E-18-17S-30E	4,867	Yes
BURCH KEELY UNIT #556	30-015-39907	Oil	Spur Energy Partners LLC	3/19/2012	D-18-17S-30E	4,663	Yes
BURCH KEELY UNIT #006	30-015-20622	Plugged	MARBOB ENERGY CORP	12/4/1976	D-18-17S-30E	Plugged (3,600)	No
BURCH KEELY UNIT #549	30-015-39522	Oil	Spur Energy Partners LLC	3/10/2012	D-18-17S-30E	4,689	Yes
BURCH KEELY UNIT #574	30-015-43071	Oil	COG OPERATING LLC	New Not Drilled	E-18-17S-30E	Proposed (4,700)	N/A
BURCH C FEDERAL #020	30-015-20563	Plugged	PHILLIPS PETROLEUM CO	1/21/1972	G-18-17S-30E	Plugged (3,900)	No
BURCH KEELY UNIT #577	30-015-39524	Oil	Spur Energy Partners LLC	4/28/2012	L-18-17S-30E	4,656	Yes
BURCH KEELY UNIT #416	30-015-37128	Oil	Spur Energy Partners LLC	12/2/2010	J-18-17S-30E	5,060	Yes
BURCH KEELY UNIT #351	30-015-32785	Oil	Spur Energy Partners LLC	9/2/2003	K-18-17S-30E	4,710	Yes
BURCH KEELY UNIT #023	30-015-20417	Oil	Spur Energy Partners LLC	4/11/1971	K-18-17S-30E	3,310	No
BURCH KEELY UNIT #940H	30-015-44080	Oil	Spur Energy Partners LLC	2/21/2017	H-13-17S-29E	4,867	Yes
BURCH KEELY UNIT #548	30-015-39442	Oil	Spur Energy Partners LLC	1/21/2012	D-18-17S-30E	4,683	Yes
BURCH KEELY UNIT #313	30-015-31273	Oil	Spur Energy Partners LLC	11/16/2000	L-18-17S-30E	4,675	Yes
BURCH KEELY UNIT #552	30-015-39443	Oil	Spur Energy Partners LLC	1/29/2012	B-18-17S-30E	4,681	Yes
BURCH KEELY UNIT #008	30-015-20564	Plugged	COG OPERATING LLC	4/16/1972	B-18-17S-30E	Plugged (3,614)	No
BURCH KEELY UNIT #578	30-015-39539	Oil	Spur Energy Partners LLC	2/25/2013	J-18-17S-30E	4,640	Yes
BURCH KEELY UNIT #350	30-015-32784	Oil	Spur Energy Partners LLC	8/25/2003	18-17S-30E	4,710	Yes
BURCH KEELY UNIT #021	30-015-20413	Oil	Spur Energy Partners LLC	4/18/1971	L-18-17S-30E	3,300	No
BURCH KEELY UNIT #561	30-015-39318	Oil	Spur Energy Partners LLC	1/24/2012	B-18-17S-30E	4,680	Yes
BURCH KEELY UNIT #420	30-015-36180	Oil	Spur Energy Partners LLC	2/20/2012	13-17S-29E	4,640	Yes
BURCH KEELY UNIT #520	30-015-39315	Oil	Spur Energy Partners LLC	1/13/2012	A-13-17S-29E	4,647	Yes
BURCH KEELY UNIT #569	30-015-43069	Oil	COG OPERATING LLC	New Not Drilled	G-18-17S-30E	Proposed (4,700)	N/A
BURCH KEELY UNIT #412	30-015-36182	Oil	Spur Energy Partners LLC	10/14/2010	18-17S-30E	5,000	Yes
MERAK 7 FEDERAL #007	30-015-40613	Oil	Spur Energy Partners LLC	1/11/2013	N-07-17S-30E	5,017	Yes

Notes: * Data not available from the NMOCD database (Well records or Well details).

AOR Tabulation for Burch Keely Unit 566 Continued (Top of Injection Interval: 4,240'-4,540')

Well Name	API#	Well Type	Operator	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
BURCH KEELY UNIT #024	30-015-20437	Plugged	COG OPERATING LLC	5/15/1971	J-18-17S-30E	Plugged (3,320)	No
BURCH KEELY UNIT #353	30-015-32787	Oil	Spur Energy Partners LLC	9/13/2003	J-18-17S-30E	4,730	Yes
BURCH KEELY UNIT #346	30-015-32782	Oil	Spur Energy Partners LLC	8/12/2003	K-18-17S-30E	4,715	Yes
BURCH KEELY UNIT #942H	30-015-44081	Oil	Spur Energy Partners LLC	4/2/2017	I-13-17S-29E	4,868	Yes
BURCH KEELY UNIT #547	30-015-43062	Oil	COG OPERATING LLC	New Not Drilled	I-13-17S-29E	Proposed (4,675)	N/A
BURCH KEELY UNIT #257	30-015-29035	Oil	Spur Energy Partners LLC	8/15/1996	J-18-17S-30E	4,875	Yes
BURCH KEELY UNIT #943H	30-015-39575	Oil	Spur Energy Partners LLC	12/21/2011	L-18-17S-30E	4,861	Yes
BURCH KEELY UNIT #013	30-015-02971	Oil	Spur Energy Partners LLC	1/27/1955	H-13-17S-29E	11,402	Yes
FAT TIRE 12 FEDERAL #011H	30-015-48707	Oil	Spur Energy Partners LLC	1/30/2022	M-07-17S-30E	4,450	Yes
BURCH KEELY UNIT #581	30-015-40271	Oil	Spur Energy Partners LLC	6/21/2012	N-18-17S-30E	4,665	Yes
FAT TIRE 12 FEDERAL #052H	30-015-48706	Oil	Spur Energy Partners LLC	2/1/2022	M-07-17S-30E	4,775	Yes
BURCH KEELY UNIT #347	30-015-28090	Oil	Spur Energy Partners LLC	8/11/2003	N-18-17S-30E	4,705	Yes
FAT TIRE 12 FEDERAL #022H	30-015-48703	Oil	Spur Energy Partners LLC	1/29/2022	M-07-17S-30E	Proposed (4,450)	N/A
FAT TIRE 12 FEDERAL #071H	30-015-48705	Oil	Spur Energy Partners LLC	New Not Drilled	M-07-17S-30E	Proposed (4,875)	N/A
BURCH KEELY UNIT #005	30-015-20629	Plugged	MARBOB ENERGY CORP	5/1/1972	A-13-17S-29E	Plugged (3,594)	No
ROOT PERMIT #002	30-015-04105	Plugged	PRE-ONGARD WELL OPERATOR	5/26/1933	M-07-17S-30E	Plugged (3,765)	No
BURCH KEELY UNIT #580	30-015-40270	Oil	Spur Energy Partners LLC	6/29/2012	M-18-17S-30E	4,680	Yes
BURCH KEELY UNIT #565	30-015-39568	Oil	Spur Energy Partners LLC	12/12/2011	H-18-17S-30E	4,825	Yes
BURCH KEELY UNIT #534	30-015-41562	Oil	COG OPERATING LLC	New Not Drilled	I-13-17S-29E	Proposed (4,700)	N/A
BURCH KEELY UNIT #524	30-015-39518	Oil	Spur Energy Partners LLC	5/6/2012	H-13-17S-29E	4,675	Yes
BURCH KEELY UNIT #530	30-015-39519	Oil	Spur Energy Partners LLC	5/16/2012	H-13-17S-29E	4,596	Yes
BURCH KEELY UNIT #934H	30-015-42758	Oil	Spur Energy Partners LLC	10/13/2015	I-13-17S-29E	4,871	Yes

Notes: * Data not available from the NMOCD database (Well records or Well details).

Casing Information for Wells Penetrating the Burch Keely Unit 566 Injection Zone

Well Name	Casing	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole size
GRAYBURG DEEP UNIT #001	Surface	316'	13.375"	Unknown*	Unknown*	300	17.5"
	Intermediate	2,740'	9.625"	Unknown*	Unknown*	1500	12.25"
	Production	11,190'	5.5"	Unknown*	Unknown*	1025	Unknown*
	Plugging details	CIBP @ 10,974' placed 35' cmt on top. CIBP @ 10,824' placed 35' cmt on top to 10,792'. CIBP @ 8,690'. Pump 25 sx @ 8,690'-8,468'. CIBP @ 7,390'. Pump 25 sx @ 7,390'-7,168'. Set RBP @ 6,115' and dump 4 sx sand. CIBP @ 5,686'. Cap BP with 25 sx @ 5,686'-5,439'. Set CIBP @ 4,981'. Cap BP with 25 sx @ 4,981'-4,831'. Perf @ 4,175', spot 45 sx @ 4,225'-3,797'. Perf and sqz @ 2,790'-2,601' with 60 sx, and @ 2,350'-1,185' with 50 sx. Sqz 130 sx @ 1,185'-750'. Perf @ 368' - circ 115 sx @ 368' to surface.					
BURCH KEELY UNIT #411	Surface	340'	8.625"	Surface	Circulation	450	12.25"
	Production	5,096'	5.5"	Surface	Circulation	1150	7.875"
BURCH KEELY UNIT #417	Surface	352'	8.625"	Surface	Circulation	450	12.25"
	Production	4,996'	5.5"	Surface	Circulation	1150	7.875"
BURCH KEELY UNIT #557	Surface	332'	13.375"	Surface	Circulation	950	17.5"
	Intermediate	1,054'	8.625"	Surface	Circulation	500	11.0"
	Production	4,690'	5.5"	Surface	Circulation	900	7.875"
BURCH KEELY UNIT #559	Surface	347'	13.375"	Surface	Unknown*	1088	17.5"
	Intermediate	1,054'	8.625"	Surface	Unknown*	500	11.0"
	Production	4,674'	5.5"	Surface	Unknown*	900	7.875"
BURCH KEELY UNIT #349	Surface	355'	8.625"	Unknown*	Unknown*	300	12.25"
	Production	4,705'	5.5"	Surface	Circulation	1500	7.875"
BURCH KEELY UNIT #572	Surface	307'	13.375"	Surface	Circulation	1000	17.5"
	Intermediate	1,138'	8.625"	Surface	Circulation	500	11.0"
	Production	4,666'	5.5"	Surface	Circulation	900	7.875"
BURCH KEELY UNIT #939H	Surface	350'	13.375"	Surface	Circulation	450	17.5"
	Intermediate	1,183'	9.625"	Surface	Circulation	600	12.25"
	Production	8,954'	5.5"	Surface	Circulation	1300	7.875"
BURCH KEELY UNIT #564	Surface	306'	13.375"	103'	Temp Survey	1088	17.5"
	Intermediate	1,224'	8.625"	Surface	Circulation	500	11.0"
	Production	4,650'	5.5"	Surface	Circulation	900	7.875"
BURCH KEELY UNIT #573	Surface	313'	13.375"	Surface	Circulation	1000	17.5"
	Intermediate	1,071'	8.625"	Surface	Circulation	500	11.0"
	Production	4,655'	5.5"	Surface	Circulation	900	7.875"
BURCH KEELY UNIT #550	Surface	351'	13.375"	Surface	Circulation	400	17.5"
	Intermediate	1,143'	8.625"	Surface	Circulation	500	11.0"
	Production	4,655'	5.5"	Surface	Circulation	900	7.875"
BURCH KEELY UNIT #932H	Surface	315'	13.375"	Surface	Circulation	400	17.5"
	Intermediate	1,193'	9.625"	Surface	Circulation	550	12.25"
	Production	4,323' XO 10,044'	7.0" XO 5.5"	Surface	Circulation	1800	8.75"
BURCH KEELY UNIT #556	Surface	305'	13.375"	Surface	Unknown*	400	17.5"
	Intermediate	1,224'	8.625"	Surface	Unknown*	500	11.0"
	Production	4,650'	5.5"	Surface	Unknown*	900	7.875"
BURCH KEELY UNIT #549	Surface	351'	13.375"	Surface	Circulation	400	17.5"
	Intermediate	1,127'	8.625"	Surface	Circulation	500	11.0"
	Production	4,689'	5.5"	Surface	Circulation	900	7.875"

Notes: * Data not available from the NMOCD database (Well records or Well details).

Casing Information for Wells Penetrating the Burch Keely Unit 566 Injection Zone Continued

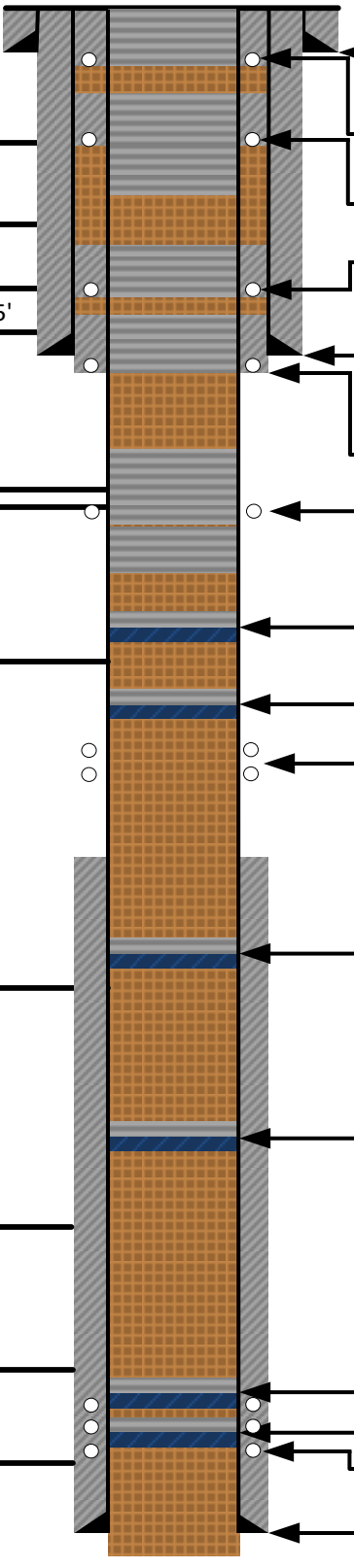
Well Name	Casing	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole size
BURCH KEELY UNIT #577	Surface	324'	13.375"	Surface	Circulation	830	17.5"
	Intermediate	1,055'	8.625"	Surface	Circulation	500	11.0"
	Production	4,656'	5.5"	Surface	Circulation	900	7.875"
BURCH KEELY UNIT #416	Surface	340'	13.375"	Surface	Circulation	400	17.5"
	Intermediate	1,016'	8.625"	Surface	Circulation	500	11.0"
	Production	5,045'	5.5"	Surface	Circulation	800	7.875"
BURCH KEELY UNIT #351	Surface	360'	8.625"	Surface	Circulation	300	12.25"
	Production	4,701'	5.5"	Surface	Circulation	1825	7.875"
BURCH KEELY UNIT #940H	Surface	332'	13.375"	Surface	Circulation	1000	17.5"
	Intermediate	1,144'	9.625"	Surface	Circulation	475	12.25"
	Production	4,286' XO 9,970'	7.0" XO 5.5"	Surface	Circulation	2100	8.75"
BURCH KEELY UNIT #548	Surface	308'	13.375"	Surface	Unknown*	400	17.5"
	Intermediate	1,053'	8.625"	Surface	Unknown*	500	11.0"
	Production	4,683'	5.5"	Surface	Unknown*	900	7.875"
BURCH KEELY UNIT #313	Surface	416'	8.625"	Surface	Circulation	300	12.25"
	Production	4,674'	5.5"	Surface	Circulation	1250	7.875"
BURCH KEELY UNIT #552	Surface	400'	13.375"	Surface	Circulation	400	17.5"
	Intermediate	1,067'	8.625"	Surface	Circulation	500	11.0"
	Production	4,681'	5.5"	Surface	Circulation	900	7.875"
BURCH KEELY UNIT #578	Surface	335'	13.375"	Surface	Circulation	1000	17.5"
	Intermediate	1,109'	8.625"	Surface	Circulation	500	11.0"
	Production	4,640'	5.5"	Surface	Circulation	900	7.875"
BURCH KEELY UNIT #350	Surface	357'	8.625"	Surface	Circulation	300	12.25"
	Production	4,708'	5.5"	Surface	Circulation	1340	7.875"
BURCH KEELY UNIT #561	Surface	352'	13.375"	Surface	Unknown*	400	17.5"
	Intermediate	1,098'	8.625"	Surface	Unknown*	500	11.0"
	Production	4,671'	5.5"	Surface	Unknown*	900	7.875"
BURCH KEELY UNIT #420	Surface	373'	13.375"	Surface	Circulation	400	17.5"
	Intermediate	1,032'	8.625"	Surface	Circulation	550	11.0"
	Production	4,631'	5.5"	Surface	Circulation	1000	7.875"
BURCH KEELY UNIT #520	Surface	306'	13.375"	Surface	Circulation	400	17.5"
	Intermediate	1,053'	8.625"	Surface	Circulation	500	11.0"
	Production	4,647'	5.5"	Surface	Circulation	900	7.875"
BURCH KEELY UNIT #412	Surface	341'	8.625"	Surface	Circulation	300	12.25"
	Production	4,957'	5.5"	Surface	Circulation	1250	7.875"
MERAK 7 FEDERAL #007	Surface	336'	9.625"	Surface	Circulation	310	14.75"
	Production	5,017'	5.5"	Surface	Circulation	861	7.875"
BURCH KEELY UNIT #934H	Surface	270'	13.375"	Surface	Circulation	400	17.5"
	Intermediate	1,108'	9.625"	Surface	Circulation	550	12.25"
	Production	4,334' XO 9,579'	7.0" XO 5.5"	Surface	Circulation	2250	8.75"
BURCH KEELY UNIT #353	Surface	397'	8.625"	Unknown*	Unknown*	300	12.25"
	Production	4,717'	5.5"	Surface	Circulation	1100	7.875"

Notes: * Data not available from the NMOCD database (Well records or Well details).

Casing Information for Wells Penetrating the Burch Keely Unit 566 Injection Zone Continued

Well Name	Casing	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole size
BURCH KEELY UNIT #346	Surface	357'	8.625"	Surface	Circulation	300	12.25"
	Production	4,713'	5.5"	Surface	Circulation	1475	7.875"
BURCH KEELY UNIT #942H	Surface	332'	13.375"	Surface	Circulation	1000	17.5"
	Intermediate	1,166'	9.625"	Surface	Circulation	425	12.25"
	Production	4,262' XO 9,956'	7.0" XO 5.5"	Surface	Circulation	1950	8.75"
BURCH KEELY UNIT #257	Surface	408'	8.625"	Surface	Circulation	400	12.25"
	Production	4,846'	5.5"	Surface	Circulation	2250	7.875"
BURCH KEELY UNIT #943H	Surface	270'	13.375"	Surface	Circulation	400	17.5"
	Intermediate	1,108'	9.625"	Surface	Circulation	550	12.25"
	Production	9,130'	5.5"	Surface	Circulation	1700	8.75"
BURCH KEELY UNIT #013	Surface	321'	13.375"	Unknown*	Unknown*	300	Unknown*
	Production	2,745'	9.625"	Unknown*	Unknown*	1500	Unknown*
FAT TIRE 12 FEDERAL #011H	Surface	375'	13.375"	Surface	Circulation	365	17.5"
	Intermediate	1,552'	9.625"	Surface	Circulation	410	12.25"
	Production	4,731' XO 10,068'	7.0" XO 5.5"	Surface	Circulation	1595	8.75"
BURCH KEELY UNIT #581	Surface	308'	13.375"	Surface	Circulation	400	17.5"
	Intermediate	1,070'	8.625"	Surface	Circulation	500	11.0"
	Production	4,672'	5.5"	Surface	Circulation	900	7.875"
FAT TIRE 12 FEDERAL #052H	Surface	375'	13.375"	Surface	Circulation	365	17.5"
	Intermediate	5,245'	7.0"	Unknown*	Unknown*	Unknown*	8.75"
	Production	10,645'	5.5"	Surface	Circulation	1655	8.875"
BURCH KEELY UNIT #347	Surface	360'	8.625"	Surface	Circulation	300	12.25"
	Production	4,702'	5.5"	Surface	Circulation	1175	7.875"
FAT TIRE 12 FEDERAL #022H	Surface	375'	13.375"	Surface	Circulation	365	17.5"
	Intermediate	1,555'	9.625"	Surface	Circulation	410	12.25"
	Production	4,847' XO 10,193'	7.0" XO 5.5"	Surface	Circulation	1650	8.75"
BURCH KEELY UNIT #580	Surface	351'	13.375"	Surface	Circulation	400	17.5"
	Intermediate	945'	8.625"	Surface	Circulation	700	11.0"
	Production	4,669'	5.5"	Surface	Circulation	900	7.875"
BURCH KEELY UNIT #565	Surface	359'	13.375"	Surface	Circulation	650	17.5"
	Intermediate	1,271'	8.625"	Surface	Circulation	500	11.0"
	Production	4,800'	5.5"	Surface	Circulation	900	7.875"
BURCH KEELY UNIT #524	Surface	307'	13.375"	Surface	Circulation	400	17.5"
	Intermediate	1,085'	8.625"	Surface	Circulation	500	11"
	Production	4,693'	5.5"	Surface	Circulation	900	7.875"
BURCH KEELY UNIT #530	Surface	307'	13.375"	Surface	Circulation	400	17.5"
	Intermediate	1,082'	8.625"	Surface	Circulation	500	11"
	Production	4,598'	5.5"	Surface	Circulation	900	7.875"
BURCH KEELY UNIT #934H	Surface	270'	13.375"	Surface	Circulation	400	17.5"
	Intermediate	1,108'	9.625"	Surface	Circulation	500	12.25"
	Production	4,334'	7"	Surface	Circulation	2250	8.75"
	Production II	4,334' - 9,579'	5.5"	Surface	Circulation		

Notes: * Data not available from the NMOCD database (Well records or Well details).



Yates Formation Top: 1,103'

Queen Formation
Top: 2,000'

Grayburg Formation
Top: 2,300'

San Andres Formation Top: 2,695'

Glorieta Formation
Top: 4,110'

Yeso Formation
Top: 4,165'

Bone Spring Formation
Top: 5,230'

Wolfcamp Formation
Top: 7,565'

Cisco Formation
Top: 9,260'

Strawn Formation
Top: 10,141'

Morrow Formation
Top: 11,120'

17-1/2" borehole.
13-3/8" 48# Surface casing set at approximately 316'.
Cemented with 300 sacks of cement.

Perforate at 368'.
Circulate 115 sacks cement from 368' – Surface'.

Perforate at 1,185'.
Squeeze 130 sacks cement from 1,185' – 750'.

Perforate at 2,350'.
Squeeze 50 sacks cement from 2,350' – 2,210'.

12-1/4" borehole.
9-5/8" 36# intermediate casing set at approximately 2,740'.
Cemented to surface using 1,500 sacks of cement.
Top of cement calculated.

Perforate at 2,790'.
Squeeze 60 sacks cement from 2,790' – 2,601'.

Perforate at 4,175'.
Spot 45 sacks cement from 4,225' – 3,797'.

CIBP set at 4,981'. 25 sack cement plug from 4,981' – 4,831'.

CIBP set at 5,686'. 25 sack cement plug from 5,686' – 5,439'.

Perforations from 6,002' – 6,000' and 5,802' – 5,800'.

CIBP set at 7,390'. 25 sack cement plug from 7,390' – 7,168'.

CIBP set at 8,690'. 25 sack cement plug from 8,690' - 8,468'.

CIBP set at 10,824'. 35' cement plug to 10,789'.

CIBP set at 10,974'. 35' cement plug to 10,939'.

Perforations from 11,057' – 10,895'.

5.5" 17# & 23# production casing set at approximately 11,190'.
Cemented to 6,401' using 1,025 sacks of cement.
Top of cement calculated.

Total Depth @ 12,076'

NOT TO SCALE

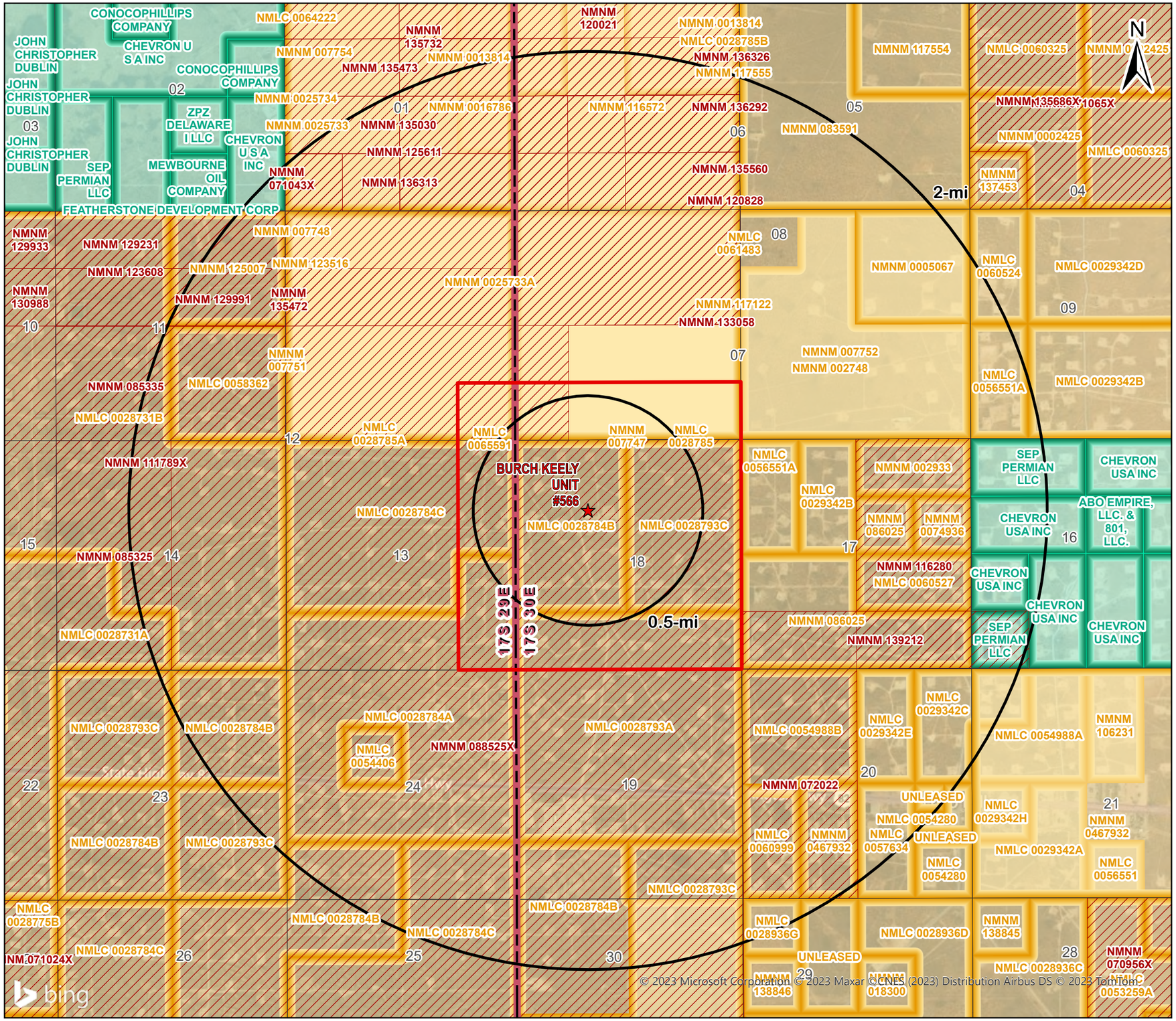
Prepared by:
ALL CONSULTING
Prepared for:
SPUR ENERGY PARTNERS

Drawn by: Reed Davis

Project Manager: Oliver Seekins

Date: 09/26/2023

Grayburg Deep Unit #001
ConocoPhillips Company
API#: 30-015-04187
Sec. 18 Town. 17S Rng. 27E
Lat: 32.8364° Long: -104.0132° (NAD 83)



Legend

- Well Location
- Project Area
- BLM Communitization Units
- BLM Authorized O&G Leases
- NMSLO Mineral Leases

1/2-mile AOR Lessees/Unit Operators:

- Anderson Mac T Estate (BLM Lessee)
- COG Operating LLC (BLM Lessee)
- Concho Oil & Gas LLC (BLM Lessee)
- Davoil Inc (BLM Lessee)
- Great Western Drilling Co (BLM Lessee)
- Maverick Permian Agent Corp (BLM Lessee)
- SEP Permian Holding Corp (BLM Lessee)
- Spur Energy Partners LLC (BLM Unit Operator)
- Tandem Energy Corp (BLM Unit Operator/Lessee)

Source Info: BLM Mineral Leases (https://catalog.data.gov/dataset/blm-new-mexico-mineral-ownership). NMSLO Mineral Leases (http://www.nmstatelands.org/maps-gis/gis-data-download/). Where applicable, Private Mineral Leases were identified utilizing Enverus, Midland Maps, or operator identified lease data.

Mineral Lease AOR Map

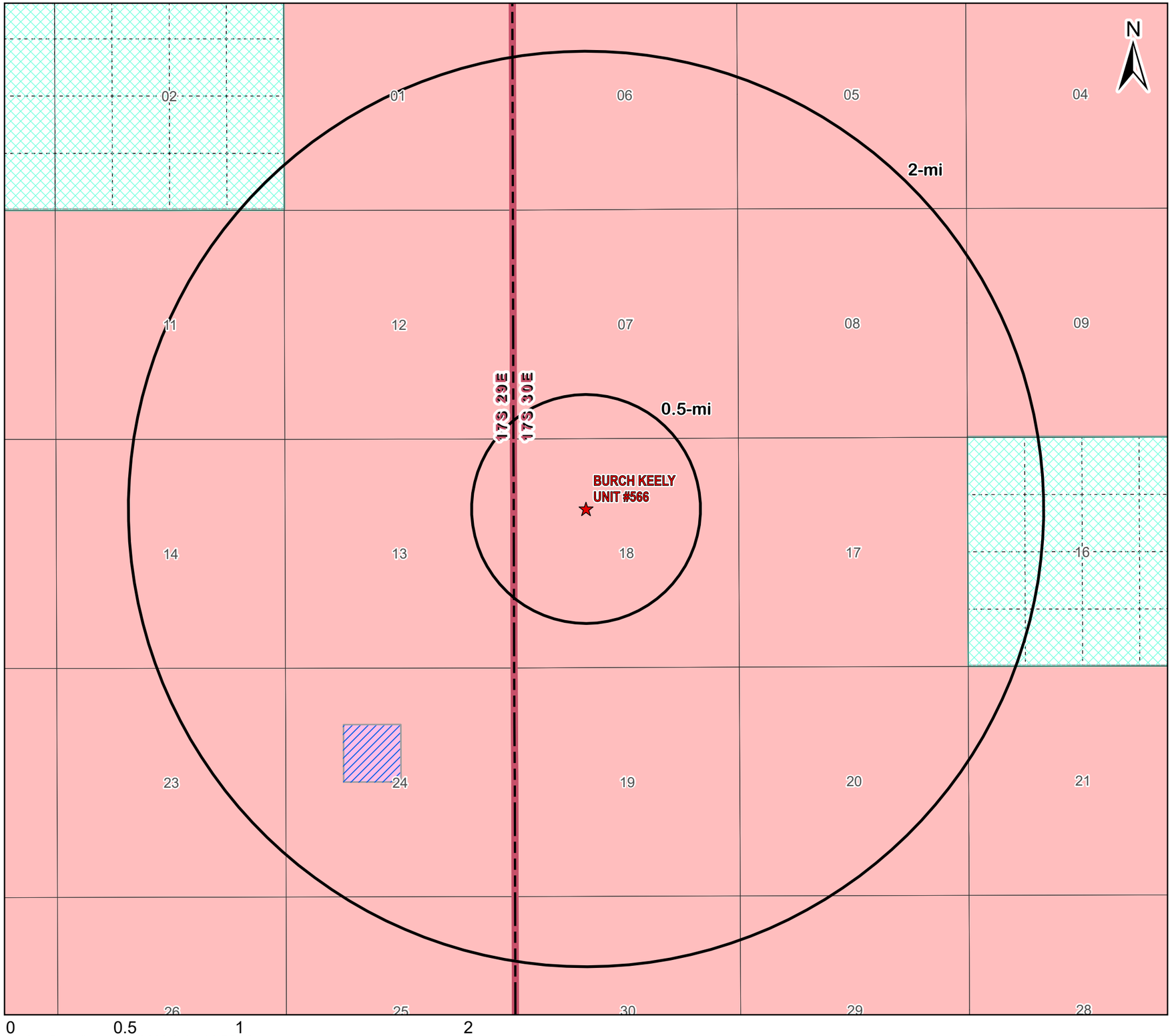
BURCH KEELY UNIT #566

Eddy County, New Mexico

Proj Mgr: Oliver Seekins	September 21, 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)
- Other minerals are owned by the U.S. (BLM)

Mineral Ownership AOR

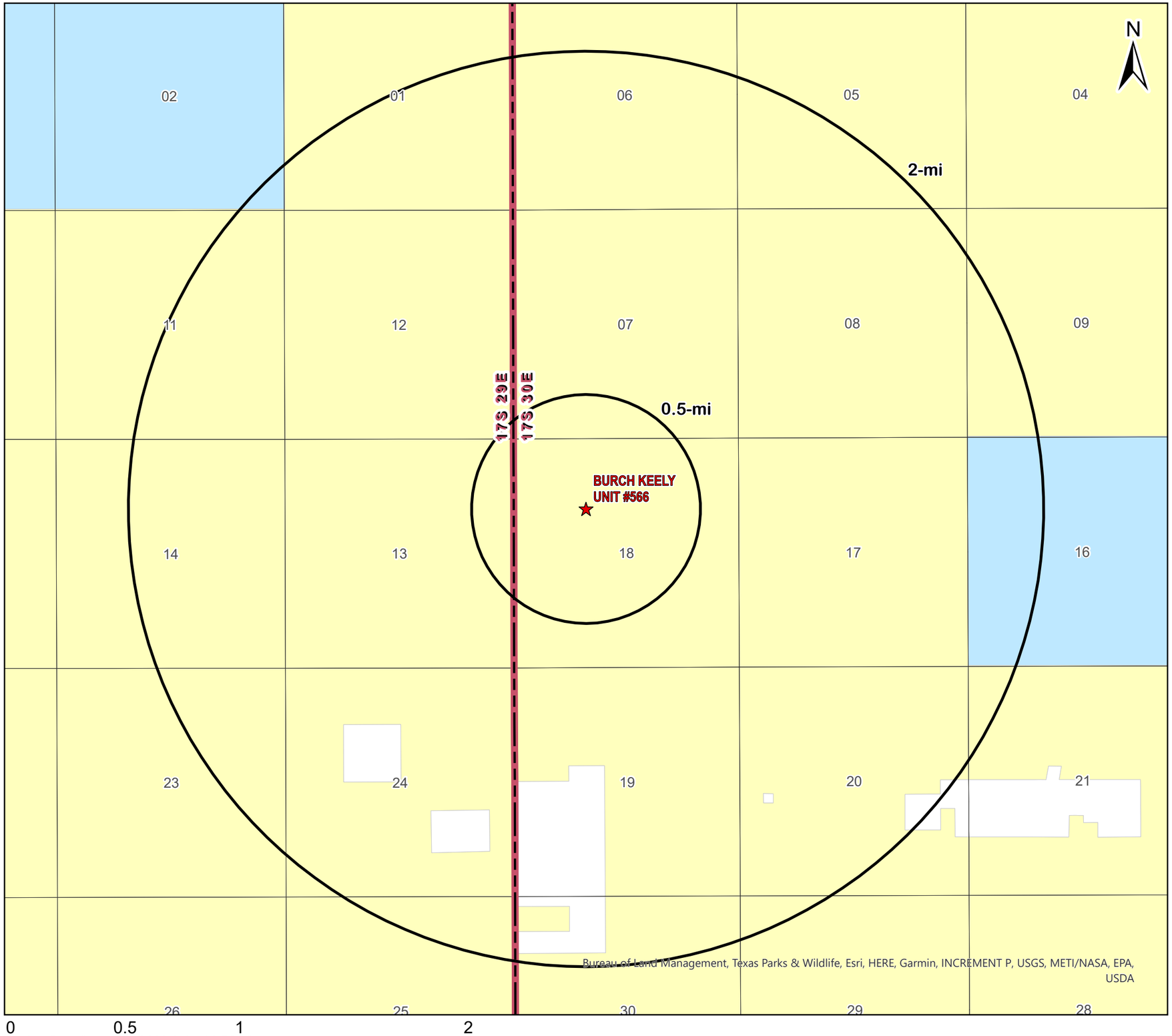
BURCH KEELY UNIT #566

Eddy County, New Mexico

Proj Mgr: Oliver Seekins	June 13, 2023	Mapped by: Ben Bockelmann

Prepared for: SPUR ENERGY PARTNERS

Prepared by: ALL CONSULTING



Legend

- Well Location (1)

Surface Ownership

- BLM (1)
- Private (5)
- State (2)

Surface Ownership AOR Map

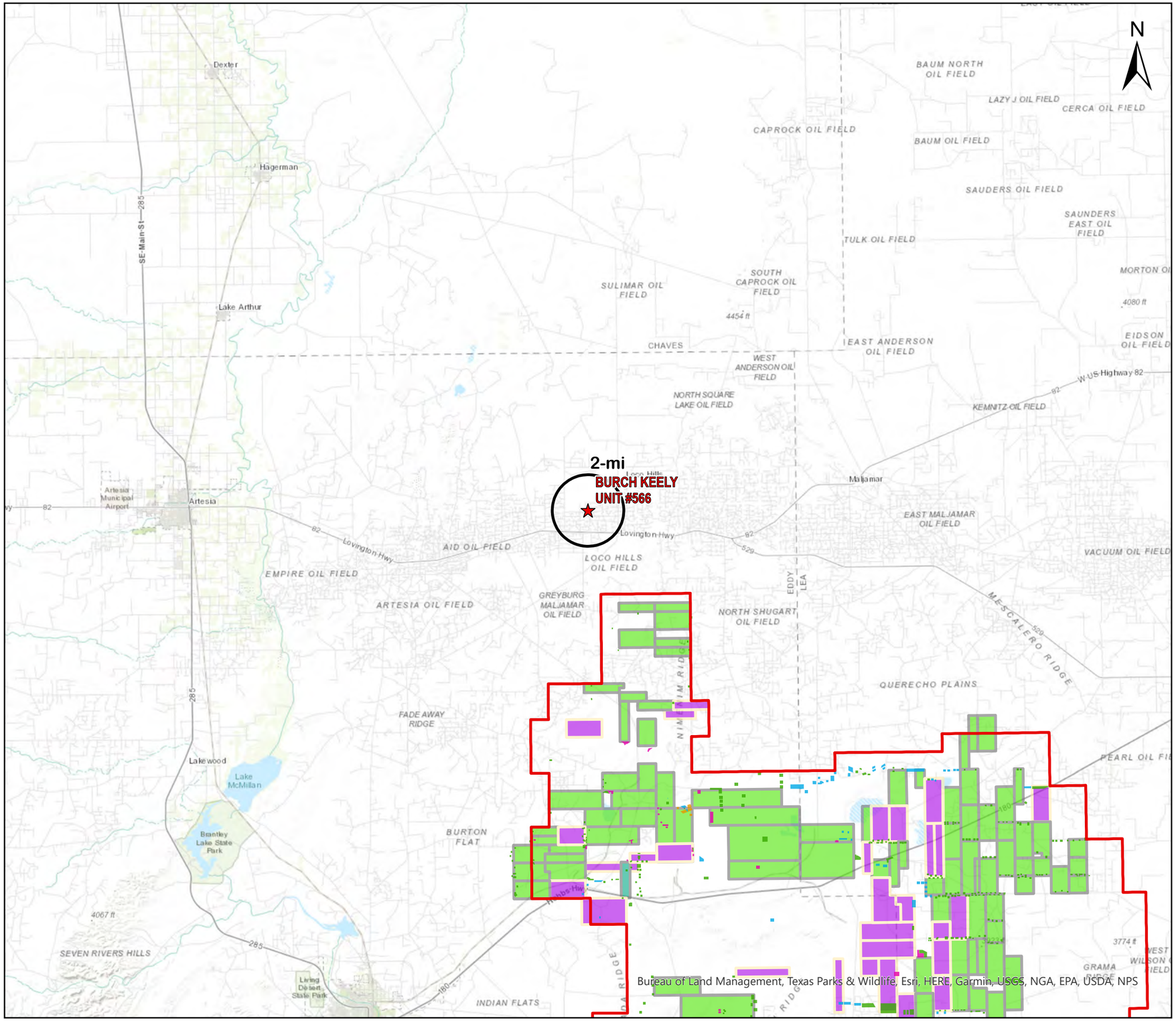
BURCH KEELY UNIT #566

Eddy County, New Mexico

Proj Mgr: Oliver Seekins	June 15, 2023	Mapped by: Ben Bockelmann

Prepared for: SPUR ENERGY PARTNERS

Prepared by: ALL CONSULTING



Legend

- Well Location
- SOPA 1986

Drill Islands

Status, Depth Buffer

- Approved, Half Mile
- Approved, Quarter Mile
- Nominated, Half Mile
- Nominated, Quarter Mile

Development Areas

Status

- Approved
- Pending
- Pending NMOCD Order

Potash AOR Map

BURCH KEELY UNIT #566

Eddy County, New Mexico

Proj Mgr: Oliver Seekins	June 13, 2023	Mapped by: Ben Bockelmann

Prepared for: SPUR ENERGY PARTNERS

Prepared by: ALL CONSULTING

Attachment 3

Injectate Analyses

GAS VOLUME STATEMENT

December 2022

Meter #: 87722084
Name: BKU 18A CTB TEST 3
Closed Data
Artesia-East

Pressure Base:	14.730 psia	**Meter Status:**	Active
Temperature Base:	60.00 °F	**Contract Hr.:**	7 AM
Atmos Pressure:	12.770 psi	**Full Wellstream:**	
Calc Method:	AGA3-2013	**WV Technique:**	
Z Method:	AGA-8 Detail (1992)	**WV Method:**	
Tube I.D.:	2.0670 in	**HV Cond:**	
Tap Location:	Upstream	**Meter Type:**	EFM
Tap Type:	Flange	**Interval:**	1 Hour

CO2	N2	C1	C2	C3	IC4	NC4	IC5
2.332	2.721	58.959	17.649	10.804	1.396	3.326	0.797

NC5	neo	C6	C7	C8	C9	C10
0.763		1.254	0.000	0.000	0.000	0.000

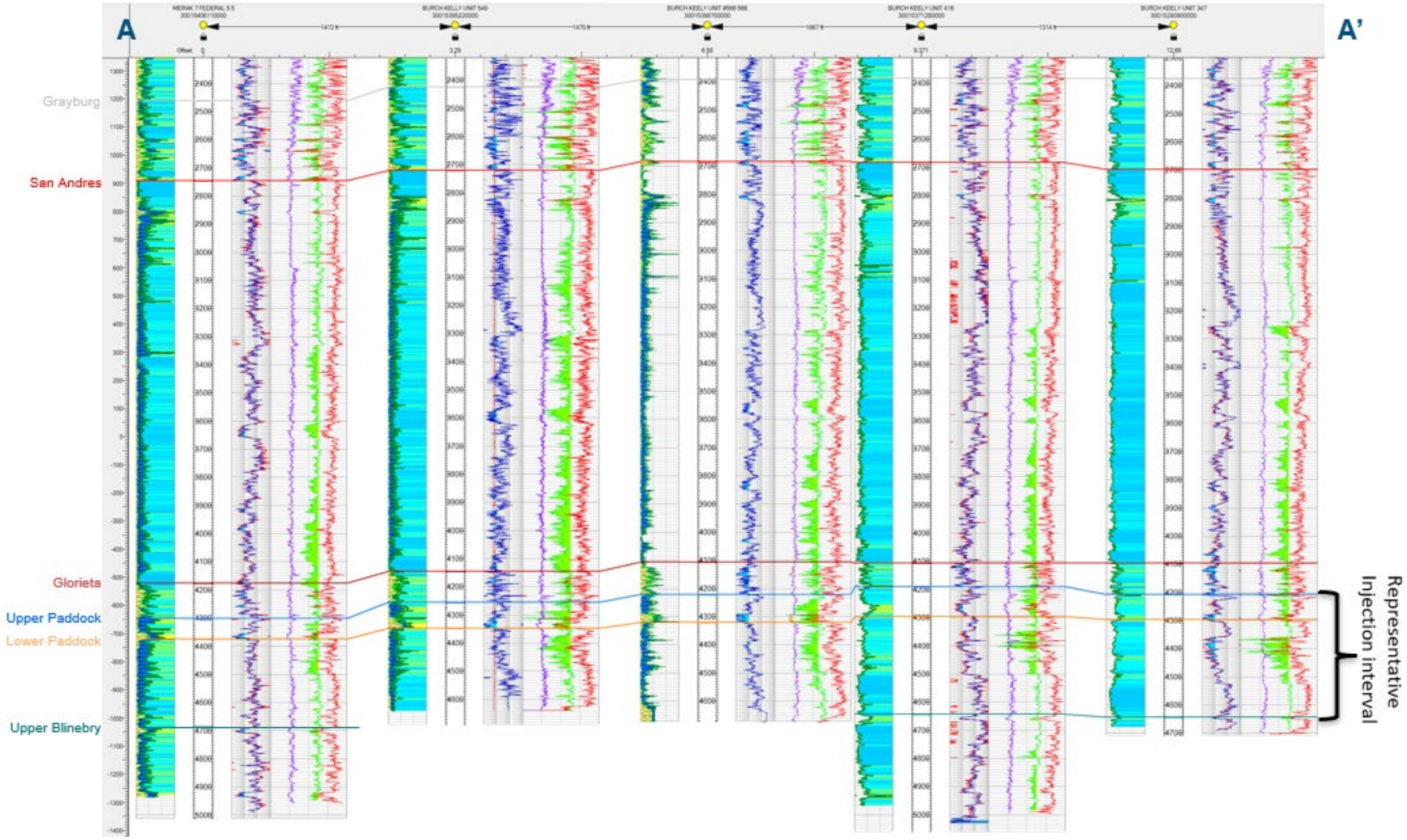
Ar	CO	H2	O2	He	H2O	H2S	H2S ppm
0.000	0.000	0.000	0.000	0.000	0.000	0.000	

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	0.00	15.17	42.45	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
2	0.00	15.97	55.31	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
3	0.00	15.70	45.79	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
4	0.00	15.81	53.01	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
5	0.00	16.86	62.28	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
6	0.00	16.84	61.00	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
7	0.00	16.03	53.16	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
8	0.00	16.48	52.77	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
9	0.00	16.03	52.32	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
10	0.00	16.38	50.08	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
11	0.00	16.30	52.19	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
12	0.00	16.62	53.44	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
13	0.00	15.79	40.59	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
14	0.00	15.48	37.31	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
15	0.00	15.51	37.86	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
16	0.00	15.18	34.00	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
17	0.00	15.10	35.30	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
18	0.00	15.06	38.53	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
19	0.00	15.55	40.29	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
20	0.00	15.42	38.42	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
21	0.00	15.29	36.98	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
22	0.00	14.12	18.35	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
23	0.00	13.76	20.82	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
24	0.00	14.22	25.64	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
25	0.00	14.71	36.67	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
26	0.00	15.24	41.05	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
27	0.00	15.72	50.48	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
28	0.00	15.87	53.97	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
29	0.00	15.81	46.87	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
30	0.00	15.56	44.38	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
31	0.00	16.21	52.55	0.00	0.9148	1.2500	0.00	1471.96	0.00	Yes
Total	0.00	15.61	44.00	0.00	0.9148		0.00		0.00	

Attachment 4

Structural Cross Section & Injection Formation Details

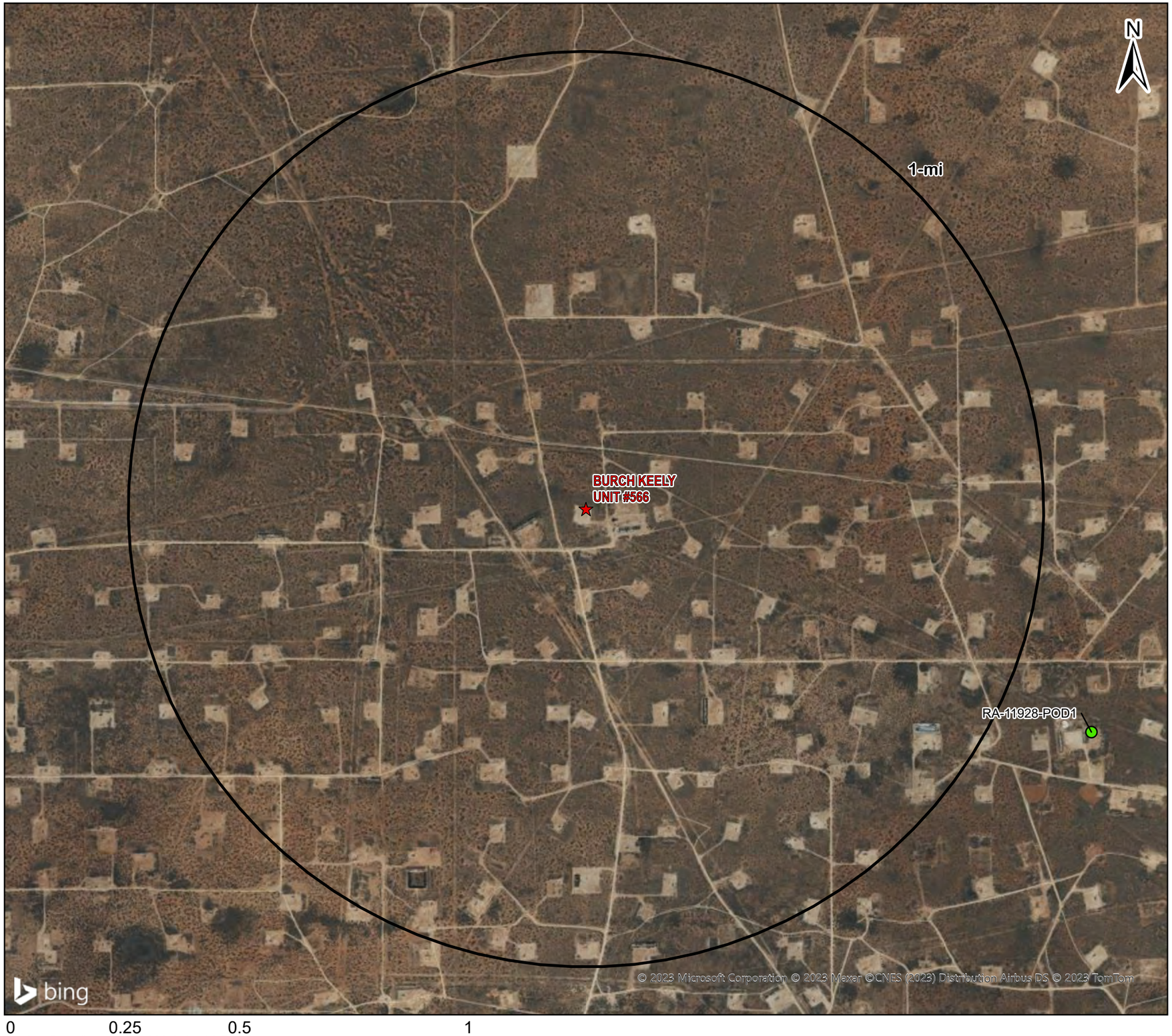
BKU 566: Structural Cross Section



At the BKU #566, the top of the Yeso formation is at 4,207’ and the perforated injection interval will be from 4,240’ to 4,540’. The producing formation is well established as demonstrated by the associated cross section, and the nearby offset well Burch Keely Unit #416 (API# 30-015-37128) shows the top of the Yeso at 4,198’ and the top of the underlying Blinebry formation at 4,640’.

Attachment 5

Water Well Map and Well Data



Legend

- Well Location (1)

OSE PODs

Status

- Active (0)
- Pending (1)
- Change Location of Well (0)
- Capped (0)
- Plugged (0)
- Incomplete (0)
- Unknown (0)

Water Wells AOR Map

BURCH KEELY UNIT #566

Eddy County, New Mexico

Proj Mgr: Dan Arthur	June 08, 2023	Mapped by: Ben Bockelmann

Prepared for: SPUR ENERGY PARTNERS

Prepared by: ALL CONSULTING

Water Well Sampling Rationale					
Spur Energy Partners LLC - Burch Keely Unit #566					
Water Wells	**Owner**	**Available Contact Information**	**Use**	**Sampling Required**	**Notes**
Note: No water wells are present within 1 mile of the proposed pressure maintenance well.					

Attachment 6

Signed - No Hydrologic Connection Statement

RE: Spur Energy Partners LLC – Burch Keely Unit #566 – Gas Injection Pressure Maintenance application, Eddy County, New Mexico

ALL Consulting LLC (ALL) has performed a thorough hydrologic investigation related to the proposed conversion of the well listed above to gas injection into the Yeso Group for pressure maintenance. The hydrologic investigation was conducted to determine if there were any existing or potential connections between the proposed injection intervals in the Yeso Group and the deepest underground source of drinking water (USDW).

ALL performed an assessment and analysis of the subsurface geophysical log data along with published documents on the groundwater in this vicinity of Eddy County, New Mexico. Based on ALL's assessment and analysis there is containment through multiple confining zones above the Yeso Group and the USDW and over 3,740 feet of vertical separation between the base of the USDW and the top of the injection interval. Additionally, there is no evidence of extensive faulting that would allow for communication between the USDW and the Yeso Group

Tom Tomastik

September 26, 2023

Tom Tomastik

Date

Chief Geologist and Regulatory Specialist

ALL Consulting LLC

Attachment 7

List of Notice Recipients

Spur - Burch Keely Unit 566 - Affected Persons						
Affected Party Classification	**Entity - Proof of Notice**	**Entity - As Mapped/Exhibited**	**Address**	**City**	**State**	**Zip Code**
Surface Owner / Mineral Owner	New Mexico Bureau of Land Management	BLM	620 E. Greene St.	Carlsbad	NM	88220
NMOCD District Office	New Mexico Oil Conservation District 2	N/A	506 W Texas	Artesia	NM	88210
Well Operator / Lessee	COG Operating LLC	COG Operating LLC	600 W Illinois Ave	Midland	TX	79701
Unit Operator / Lessee	Tandem Energy Corporation	Tandem Energy Corp	5065 Westheimer Rd, Ste 920	Houston	TX	77056
Lessee	Concho Oil & Gas LLC/COG Operating LLC	Concho Oil & Gas LLC	600 W. Illinois Avenue	Midland	TX	79701
Lessee	Maverick Permian Agent Corp	Maverick Permian Agent Corp	1111 Bagby St., Ste 1600	Houston	TX	77002
Lessee	Anderson Mac T Estate	Anderson Mac T Estate	8301 Carpenter Dr.	El Paso	TX	79907
Lessee	Great Western Drilling Co	Great Western Drilling Co	P.O. Box 1659	Midland	TX	79701
Lessee	Davoil Inc	Davoil Inc	P.O. Box 122269	Fort Worth	TX	76121
Lessee	SEP Permian Holding Corporation	SEP Permian Holding Corp	9655 Katy Freeway Suite 500	Houston	TX	77024
Spur Operated well - Working Interest Owner	SEP Permian, LLC	SEP PERMIAN, LLC	PO BOX 79840	HOUSTON	TX	77279
Spur Operated well - Working Interest Owner	Davoil, Inc.	DAVOIL, INC.	PO BOX 122269	FORT WORTH	TX	76121-2269
Spur Operated well - Working Interest Owner	Great Western Drilling LTD.	GREAT WESTERN DRILLING LTD	PO BOX 1659	MIDLAND	TX	79702-1659
Notes: The affected parties above received notification of this C-108 application.						

EXHIBIT A

BKU 566 Affected Well Table

Well Name	Well Number	API
BURCH KEELY UNIT	313	30-015-31273
BURCH KEELY UNIT	577	30-015-39524
BURCH KEELY UNIT	549	30-015-39522
MERAK 7 FEDERAL	5	30-015-40611
BURCH KEELY UNIT	524	30-015-39518
BURCH KEELY UNIT	257	30-015-29035
BURCH KEELY UNIT	347	30-015-28090
BURCH KEELY UNIT	346	30-015-32782
BURCH KEELY UNIT	561	30-015-39318
BURCH KEELY UNIT	557	30-015-39316
BURCH KEELY UNIT	548	30-015-39442
BURCH KEELY UNIT	565	30-015-39568
BURCH KEELY UNIT	580	30-015-40270
BURCH KEELY UNIT	351	30-015-32785
BURCH KEELY UNIT	550	30-015-39523
BURCH KEELY UNIT	578	30-015-39539
BURCH KEELY UNIT	420	30-015-36180
BURCH KEELY UNIT	412	30-015-36182
BURCH KEELY UNIT	556	30-015-39907
BURCH KEELY UNIT	350	30-015-32784
BURCH KEELY UNIT	564	30-015-39869
BURCH KEELY UNIT	572	30-015-40268
BURCH KEELY UNIT	552	30-015-39443
BURCH KEELY UNIT	530	30-015-39519
BURCH KEELY UNIT	417	30-015-36181
BURCH KEELY UNIT	353	30-015-32787
BURCH KEELY UNIT	411	30-015-36263
BURCH KEELY UNIT	573	30-015-40269
BURCH KEELY UNIT	416	30-015-37128
BURCH KEELY UNIT	559	30-015-39317
BURCH KEELY UNIT	349	30-015-32783
MERAK 7 FEDERAL	7	30-015-40613
BURCH KEELY UNIT	581	30-015-40271
BURCH KEELY UNIT	520	30-015-39315

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A-2
Submitted by: Spur Energy Partners, LLC
Hearing Date: December 7, 2023
Case No. 24042

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

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

CASE NO. 24042

SELF-AFFIRMED STATEMENT OF REED DAVIS

1. My name is Reed Davis. I work for ALL Consulting as a geologist and geophysicist. I have been retained Spur Energy Partners LLC ("Spur") (OGRID No. 328947).

2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in geology and geophysics. My credentials as an expert in geology have been accepted by the Division and made a matter of record.

3. I am familiar with the Burch Keely Unit #566 application filed by Spur in this case and have conducted a study of the geology in the subject area.

4. The target interval for injection for this pressure maintenance project is the Paddock member of the Yeso Group.

5. In this area, the Top of the Paddock member is found at approximately 4,207' and the top of the underlying Blinebry member is found at approximately 4,649'. The completed portion of the proposed pressure maintenance injection well is from 4,240' – 4,540'.

6. Item VIII in the C-108 contains all the geologic information necessary for approval and can be found at **page 10** of **Spur Exhibit A-1**.

7. A general stratigraphic overview of the area is as follows, starting at the surface and working down through the injection interval to the lower confining geologic layer:

a. Yates Formation: 1,103'

b. Queen Formation: 2,000’

c. San Andres Formation: 2,693’

d. Glorieta Formation: 4,117’

e. Paddock Member of Yeso Group: 4,207’

f. Blinebry Member of Yeso Group: 4,649’

8. The regional freshwater aquifers are the Artesian & Valley fill, with the base of the USDW being located at the base of the Rustler formation at approximately 500’. There are no active water wells in the area with depths to groundwater provided.

9. In my opinion, injection into the Burch Keely Unit #566 will be protective of these freshwater zones. The surface casing on the Burch Keely Unit #566 is set at a depth of 263’ and was cemented to surface to protect not only the potable groundwater supply, but also the USDW.

10. The deepest USDW at this location is isolated behind intermediate casing, which is cemented to surface, along with production casing which is also cemented to surface. This dual layer of steel casing and cement provides additional protection of any injected gases from migration into the USDWs or potable groundwater supplies.

11. The Paddock member of the Yeso Group consist of dolomites and anhydritic dolomites, with some siltstones.

12. The Paddock member averages approximately 7.5% porosity and 15 mD permeability in this region, which will allow the formations to accept produced gas at the rates proposed.

13. Spur has included a signed statement from a geologist stating that available geologic and engineering data have been reviewed and there is no evidence of a hydrological

connection between the proposed injection interval and any USDWs. The statement is included as **Item XII** in **Spur Exhibit A-1 page 40**.

14. It is my opinion that the proposed injection well does not pose any threat to any USDWs or drinking water in the area.

15. In my opinion, the target formation will contain the injected gas due to formations above and below the injection interval that will act as a barrier to migration:

a. Directly above the top of the proposed injection interval, within the Glorieta and upper Yeso Group are low permeability and porosity carbonate rocks which will serve as the upper confining layer and prevent gas migration upwards out of the Paddock member. A 20-foot section with low porosity and high resistivity readings, which is indicative of a "tight" reservoir rock, overlies the proposed injection zone and will serve as a barrier to upward migration.

b. Additionally, the lower San Andres Formation, which directly overlies the Glorieta Formation, contains various sections of low porosity and high resistivity carbonate rocks that will act as an additional barrier to gas migration.

c. The Blinebry Member of the Yeso Group underlies the proposed injection interval and contains various layers of interbedded tight dolomites and carbonates which will serve as a barrier to downward migration and act as the lower confining layer.

16. To the best of my knowledge from the available data, these geologic confining layers are continuous and consistent across the proposed Project Area.

17. Zones in the vicinity which are prospective or currently producing hydrocarbons are detailed below:

a. Above the injection zone:

i. Yates Formation: 1,103'

ii. Queen Formation: 2,000’

iii. San Andres Formation: 2,693’

b. Below the injection zone:

i. Wolfcamp Formation: 7,590’

ii. Morrow Formation: 10,635’

18. It is my opinion that the proposed injection will increase and maintain reservoir pressure, to the original solution gas drive, and increase oil production in Spur’s offsetting Yeso Group wells within the Project Area.

19. In my opinion, granting this application will help conserve resources, and will avoid waste and protect correlative rights.

20. I affirm under penalty of perjury under the laws of the State of New Mexico that the foregoing statements are true and correct. I understand that this self-affirmed statement will be used as written testimony in this case. This statement is made on the date next to my signature.

Reed Davis

12/4/23

Date

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

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

CASE NO. 24042

SELF-AFFIRMED STATEMENT OF GEORGE A. WATERS

1. My name is George Armstrong Waters. I work for Spur Energy Partners as a Senior Operations Engineer.

2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum engineering. My credentials as an expert have been accepted by the Division and made a matter of record.

3. Spur identified the Burch Keely Unit #566 (API No. 30-015-39870) as a potential injector for pressure maintenance using produced gas within the Paddock member of the Yeso Group for three primary reasons.

4. First, production in the Paddock in this area is very sensitive to pressure in our experience. The wells listed in **Spur Exhibit A-2** have been on production for about 10 years or more so there has been depletion in the original reservoir pressure as a result.

5. An obvious approach to increasing our recovery factors would be to try to return the reservoir to its original pressure regime as a way to get more production out of these wells and increase our recovery factors, especially given the sensitivity to pressure in the Paddock.

6. The producing wells in this area also exhibit relatively high productivity indexes, meaning they have high production rates with small pressure drawdowns. Thus, we expect to be able effectively increase production with a relatively small increase in reservoir pressure.

7. Cycling produced gas from the Paddock back into the Paddock through a dedicated injection well is one way to recharge the pressure in this area and potentially benefit a large number of wells within a relatively small Project Area.

8. Second, like a lot of operators, we occasionally have issues with gas takeaway capacity and reliability and that is true in this area. Spur is constantly looking at ways to maximize production, minimize waste, and avoid having to shut in wells during midstream upsets and gas takeaway issues. An additional benefit to injecting produced gas for this pressure maintenance project is the fact that it will help take the strain off the system's gas takeaway constraints, which is expected to result in increased production.

9. Finally, because the Paddock is comprised of an oil-wet dolomite, this area may be better suited to gas flooding as opposed to water flooding.

10. If this project is approved, Spur will construct injection lines back to the proposed injection well from the main sales compressor that serves the Project Area along with a manifold and flow control valve and meter and will continuously inject produced gas through the well to stimulate production in the offsetting wells identified in **Spur Exhibit A-2**.

11. Throughout injection operations, Spur will monitor fluid levels, pump run times, and production in the offsetting Project Area wells to evaluate positive response. As reservoir pressure increases, we expect to see additional fluids being forced out of the formation into offsetting producing wells. That will translate into increased pump run times. If fluid levels are higher than before injection started under the pressure maintenance project, that would be an indication that fluids are being forced out of the formation in response to the injection. We would also expect to start seeing increased hydrocarbon production as a clear sign that the pressure maintenance is effective.

12. It is my opinion that the injection Spur proposes will not impair hydrocarbon production within the Project Area or in offsetting zones. I also expect to see a substantial positive response in the Project Area wells as a result of the injection.

13. Spur's geology team has reviewed and confirmed that the injected gas is expected to remain within the targeted injection zone and within the Project Area.

14. In my opinion, granting this application will help conserve resources, and will avoid waste and protect correlative rights.

15. I affirm under penalty of perjury under the laws of the State of New Mexico that the foregoing statements are true and correct. I understand that this self-affirmed statement will be used as written testimony in this case. This statement is made on the date next to my signature.

George A. Waters

12/5/2023
Date

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. 24042

AFFIDAVIT

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

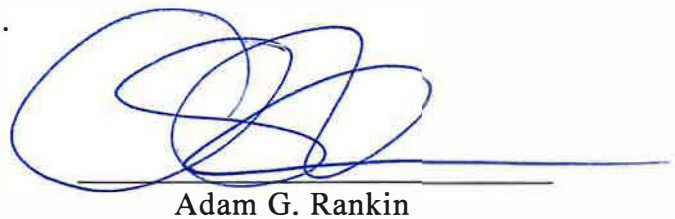
Adam G. Rankin, attorney in fact and authorized representative of the Applicant herein, being first duly sworn, upon oath, states

1. The above-referenced application and notice of the hearing on this application was sent by certified mail to the affected parties on the date set forth in the letter attached hereto.

2. The spreadsheet attached hereto contains the names of the parties to whom notice was provided.

3. The spreadsheet attached hereto contains the information provided by the United States Postal Service on the status of the delivery of this notice as of December 4, 2023.

4. I caused a notice to be published to all parties on November 22, 2023. An affidavit of publication from the publication's legal clerk with a copy of the notice publication is attached as Exhibit E.



Adam G. Rankin

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. D
Submitted by: Spur Energy Partners, LLC
Hearing Date: December 7, 2023
Case No. 24042

State of New Mexico)

County of Santa Fe)

SUBSCRIBED AND SWORN to before me this 4th day of December, 2023 by Adam G. Rankin.

Notary Public

My Commission Expires:

6/28/26

STATE OF NEW MEXICO
NOTARY PUBLIC
KARI D PEREZ
COMMISSION # 1138272
COMMISSION EXPIRES 06/28/2026

Holland & Hart

Adam G. Rankin
Partner
Phone (505) 988-4421
Email agrankin@hollandhart.com

November 17, 2023

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO: AFFECTED PARTIES

Re: Application of Spur Energy Partners LLC for Approval of a Pressure Maintenance Project, Eddy County, New Mexico: *Burch Keely Unit #566*

Ladies and Gentlemen:

This letter is to advise you that Spur Energy Partners LLC has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on December 7, 2023, and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

Due to the remodeling of the state building where the New Mexico Oil Conservation Division is located, hearings will be conducted remotely beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: https://www.emnrd.nm.gov/ocd/hearing-info/.

You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date. Parties appearing in cases are required to file a Pre-hearing Statement four business days in advance of a scheduled hearing that complies with the provisions of NMAC 19.15.4.13.B.

If you have any questions about this matter, please contact Oliver Seekins at ALL Consulting oseekins@all-llc.com at (918) 382-7581.

Sincerely,

Adam G. Rankin
ATTORNEY FOR SPUR ENERGY PERMIAN LLC

Spur - BKU 566 - Case no. 24042
Postal Delivery Report

9414811898765498355469	New Mexico Bureau of Land Management	620 E Greene St	Carlsbad	NM	88220-6292	Your item was delivered to an individual at the address at 12:13 pm on November 22, 2023 in CARLSBAD, NM
9414811898765498352758	SEP Permian Holding Corporation	9655 Katy Fwy Ste 500	Houston	TX	77024-1385	Your item has been delivered to an agent for final delivery in HOUSTON, TX 77024 on November 24, 2023 at 10:08 am.
9414811898765498352796	SEP Permian, LLC	PO Box 79840	Houston	TX	77279-9840	Your package will arrive later than expected, but is still on its way. It is currently in transit to the
9414811898765498352772	Davoil, Inc.	PO Box 122269	Fort Worth	TX	76121-2269	Your item has been delivered and is available at a PO Box at 9:12 am on November 24, 2023 in FORT
9414811898765498352994	Great Western Drilling LTD.	PO Box 1659	Midland	TX	79702-1659	Your item was picked up at a postal facility at 11:07 am on November 29, 2023 in MIDLAND, TX 79702.
9414811898765498355445	New Mexico Oil Conservation District 2	506 W Texas Ave	Artesia	NM	88210-2041	Your item was delivered to the front desk, reception area, or mail room at 9:09 am on November 22, 2023 in ARTESIA, NM 88210.
9414811898765498355513	COG Operating LLC	600 W Illinois Ave	Midland	TX	79701-4882	Your item was picked up at a postal facility at 7:33 am on November 27, 2023 in MIDLAND, TX 79702.
9414811898765498355599	Tandem Energy Corporation	5065 Westheimer Rd Ste 920	Houston	TX	77056-5773	Your item was delivered to the front desk, reception area, or mail room at 2:14 pm on November 27, 2023 in HOUSTON, TX 77056.
9414811898765498355575	Concho Oil & Gas LLC/COG Operating LLC	600 W Illinois Ave	Midland	TX	79701-4882	Your item was picked up at a postal facility at 7:32 am on November 27, 2023 in MIDLAND, TX 79702.

Spur - BKU 566 - Case no. 24042
Postal Delivery Report

9414811898765498352222	Maverick Permian Agent Corp	1111 Bagby St Ste 1600	Houston	TX	77002-2547	Your item was delivered to the front desk, reception area, or mail room at 1:54 pm on November 27, 2023 in HOUSTON, TX 77002.
9414811898765498352239	Anderson Mac T Estate	8301 Carpenter Dr	El Paso	TX	79907-5203	Your item was delivered to an individual at the address at 9:51 am on November 21, 2023 in EL PASO, TX
9414811898765498352857	Great Western Drilling Co	PO Box 1659	Midland	TX	79702-1659	Your item was picked up at a postal facility at 11:07 am on November 29, 2023 in MIDLAND, TX 79702.
9414811898765498352888	Davoil Inc	PO Box 122269	Fort Worth	TX	76121-2269	Your item has been delivered and is available at a PO Box at 9:58 am on November 21, 2023 in FORT

Carlsbad Current Argus.
PART OF THE USA TODAY NETWORK

Affidavit of Publication

Ad # 0005860056

This is not an invoice

HOLLAND AND HART
PO BOX 2208

SANTA FE, NM 87504-2208

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:

11/22/2023

Legal Clerk

Subscribed and sworn before me this November 22, 2023:

State of WI, County of Brown
NOTARY PUBLIC

My commission expires

KATHLEEN ALLEN
Notary Public
State of Wisconsin

Ad # 0005860056
PO #: 24042
# of Affidavits 1

This is not an invoice

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. E
Submitted by: Spur Energy Partners, LLC
Hearing Date: December 7, 2023
Case No. 24042

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

The State of New Mexico, Energy Minerals and Natural Resources Department, Oil Conservation Division ("Division") hereby gives notice that the Division will hold public hearings before a hearing examiner on the following cases. The hearings will be conducted remotely on Thursday, December 7, 2023, beginning at 8:15 a.m. To participate in the hearings, see the instructions posted below. The docket may be viewed at https://www.emnrd.nm.gov/ocd/hearing-info/ or obtained from Sheila Apodaca, at Sheila.Apodaca@emnrd.nm.gov. Documents filed in these cases may be viewed at https://ocdimage.emnrd.nm.gov/Imaging/Default.aspx. If you are an individual with a disability who needs a reader, amplifier, qualified sign language interpreter, or other form of auxiliary aid or service to attend or participate in a hearing, contact Sheila Apodaca at Sheila.Apodaca@emnrd.nm.gov, or the New Mexico Relay Network at 1-800-659-1779, no later than November 27, 2023.

Persons may view and participate in the hearings through the following link:
https://nmemnrd.webex.com/nmemnrd/j.php?MTID=m8e2efa70128b8314f91bf0542ac8df6c

Webinar number:
2497 742 0771

Join by video system: 24977420771@nmemnrd.webex.com You can also dial 173.243.2.68 and enter your webinar number

Join by phone: 1-844-992-4726 United States Toll Free
+1-408-418-9388 United States Toll

Access code: 2497 742 0771
Panelist password:
b2WcDzPFe47 (22923973 from phones and video systems)

STATE OF NEW MEXICO TO:
All named parties and persons having any right, title, interest or claim in the following case and notice to the public.

(NOTE: All land descriptions herein refer to the New Mexico Principal Meridian whether or not so stated.)

To: All affected interest owners, including: New Mexico Bureau of Land Management; New Mexico Oil Conservation District 2; COG Operating LLC; Tandem Energy Corporation; Concho Oil & Gas LLC/COG Operating LLC; Maverick Permian Agent Corp; Anderson Mac T Estate, his heirs and devisees; Great Western Drilling Co; Davoil Inc; SEP Permian Holding Corporation; SEP Permian, LLC, and Great Western Drilling LTD.
Case No. 24042: 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 Group underlying a project area comprised of portions of the E/2 E/2 of Section 13 and the SE/2 SE/4 of Section 12, Township 17 South, Range 29 East, and Section 18 and the S/2 S/2 of Section 7, Township 17 South, Range 30 East, NMPM, Eddy County, New Mexico. Produced gas will be injected into the **Burch Keely Unit #566** (API No. 30-015-39870) at a

total vertical depth of approximately 4,240 feet to approximately 4,540 feet. The interval that will benefit from the proposed pressure maintenance constitutes the Paddock member of the Yeso Group, being the stratigraphic equivalent of 4,198 feet to the top of the Upper Blinebry at approximately 4,640 feet as identified in the Burch Keely Unit #416 (API No. 30-01537128). The project area for this pressure maintenance injection project will comprise the following acreage in Eddy County:

Township 17 South, Range 29 East, NMPM

Section 13: E/2 E/2

Section 12: SE/4 SE/4

Township 17 South, Range 30 East, NMPM

Section 18: All

Section 7: S/2 S/2

Spur seeks approval to inject at a maximum surface injection pressure of 1,077 psi with an average surface injection pressure of approximately 700 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 Glorieta-Yeso Pool. The proposed project is located approximately 4 miles southwest of Loco Hills, New Mexico.

#5860056, Current Argus, November 22, 2023