AE Order Number Banner

Application Number: pMSG2404448758

SWD-2592

SCOUT ENERGY MANAGEMENT LLC [330949]

ALL CONSULTING
GOVERNMENT RELATIONS · ENERGY · PLANNING · TECHNOLOGY
ENGINEERING · ENVIRONMENTAL

November 7th, 2023

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

Subject: Scout Energy Management LLC – G L Erwin B NCT-2 SWD #1
Application for Authorization to Inject

To Whom It May Concern,

On behalf of Scout Energy Management LLC (Scout), ALL Consulting, LLC (ALL) has prepared and is submitting the enclosed application for Authorization to Inject for the G L Erwin B NCT-2 SWD #1 (API: 30-025-38295), to convert an existing Oil well for the purpose of saltwater disposal into the San Andres Formation. The subject well is located in Lea County, New Mexico.

Should you have any questions regarding the enclosed application, please contact Oliver Seekins at (918) 382-7581 or oseekins@all-llc.com.

Sincerely,
ALL Consulting

Oliver Seekins
Consultant

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:

ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

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

ADMINISTRATIVE APPLICATION CHECKLIST

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

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

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

1) **TYPE OF APPLICATION:** Check those which apply for [A]
A. Location – Spacing Unit – Simultaneous Dedication
☐ NSL ☐ NSP(PROJECT AREA) ☐ NSP(PRORATION UNIT) ☐ SD

B. Check one only for [I] or [II]
[I] Commingling – Storage – Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

FOR OCD ONLY
☐ Notice Complete
☐ Application Content Complete

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

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

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

_____ Date

_____ Print or Type Name

_____ Phone Number

_____ Signature

_____ e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance ___X___Disposal _____Storage
Application qualifies for administrative approval? ___X_____Yes _____No

II. OPERATOR: Scout Energy Management LLC

ADDRESS: 13800 Montford Road, Suite 100, Dallas, Texas 75240

CONTACT PARTY: Trey Morgan PHONE: 972.533.8829

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).

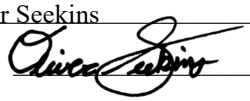
*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

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: G L Erwin B NCT-2 SWD #1
API: 30-025-38295

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

A.

(1) General Well Information:

Operator: Scout Energy Management LLC (OGRID No. 330949)
Lease Name & Well Number: G L Erwin B NCT-2 SWD #1
Location Footage Calls: 1,980 FSL & 2,080 FEL
Legal Location: Lot J, S35 T24S R37E
Ground Elevation: 3,171'
Proposed Injection Interval: 3,807' – 4,335'
County: Lea

(2) Casing Information:

Type	Hole Size	Casing Size	Casing Weight	Setting Depth	Sacks of Cement	Estimated TOC	Method Determined
Surface Casing	11"	8-5/8"	24.0 lb/ft	1,017'	515	Surface	Circulation
Production Casing	7-7/8"	5-1/2"	15.5 lb/ft	3,807'	1,070	Surface	CBL

(3) Tubing Information:

2-7/8" (8.6 lb/ft) L-80 or N-80 injection tubing with setting depth of 3,800'.

(4) Packer Information: Baker Hughes Hornet or equivalent packer set at 3,800'.

B.

(1) Injection Formation Name: San Andres
Pool Name: SWD; San Andres
Pool Code: 96121
(2) Injection Interval: Open hole injection between 3,807' – 4,335'
(3) Drilling Purpose: Plug off Grayburg perforations and drill deeper for saltwater disposal.
(4) Other Perforated Intervals: Existing perforations in the Grayburg will be plugged off and then the well will be drilled deeper into the San Andres for disposal.
(5) Overlying Oil and Gas Zones: Below are the approximate formation tops for known oil and gas producing zones in the area.

- Grayburg (3,346')

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

- Blinebry (5,100')
- Tubb (5,800')
- Fusselman (7,230')
- Montoya (7,488')

Application for Authorization to Inject
Well Name: G L Erwin B NCT-2 SWD #1
API: 30-025-38295

V – Well and Lease Maps

The following maps and documents are included in ***Attachment 2***:

- 2-mile Oil & Gas Well Map
- 1/2-Mile Well Detail List
- Penetrating Wellbore Diagram (Plugged Wells)
- 2-Mile Lease Map
- 2-Mile Mineral Ownership Map
- 2-Mile Surface Ownership Map
- Potash Lease Map

VI – AOR Well List

A list of the wells within the 1/2-mile AOR is included in ***Attachment 2***.

There are thirty-nine (39) wells within the 1/2-mile AOR and thirty-five (35) wells penetrate the injection zone. Eleven (11) of these wells have been properly plugged to isolate the injection zone, while the others have been properly cased and cemented to isolate the injection zone. Wellbore diagrams, casing information, and plugging details for these wells are also included in ***Attachment 2.***

VII – Proposed Operation

(1) **Proposed Maximum Injection Rate:** 10,000 bpd
Proposed Average Injection Rate: 6,500 bpd
(2) A **closed-loop system** will be used.
(3) **Proposed Maximum Injection Pressure**: 761 psi (surface)
Proposed Average Injection Pressure: approximately 494 psi (surface)
(4) **Source Water Analysis:** It is expected that the injectate will consist of produced water from production wells completed in the Glorieta, Tubb, and Fusselman formations. Analysis of water from these formations is included as ***Attachment 3***.
(5) **Injection Formation Water Analysis:** The proposed SWD will be injecting water into the San Andres formation which is a non-productive zone known to be compatible with formation water from the Glorieta, Tubb, and Fusselman formations. Water analyses from the San Andres formation in the area are included as ***Attachment 4.***

VIII – Geologic Description

The proposed injection interval includes the San Andres formation from 3,807 to 4,335 feet. This formation consists of carbonate rocks including limestones and dolomites. The upper section of the San Andres formation has secondary porosity development due to dolomitization and most of this secondary porosity contains native brine in the formation. Several thick intervals of porous and permeable sandstones capable of taking water are present within the subject formation in the area.

The base of the USDW is at a depth of approximately 992 feet. Water well depth in the area is approximately 80 feet below the ground surface.

Application for Authorization to Inject
Well Name: G L Erwin B NCT-2 SWD #1
API: 30-025-38295

IX – Proposed Stimulation Program

A small cleanup acid job may be used to remove mud and drill cuttings from the formation. However, no other formation stimulation is currently planned.

X – Logging and Test Data

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

XI – Fresh Groundwater Samples

Based on a review of data from the New Mexico Office of the State Engineer, eight (8) water wells are located within 1-mile of the proposed SWD location. Of the eight wells, one (1) water well was able to be sampled. This water well was sampled on October 26, 2023.

A water well map, details of the water wells within 1-mile, and the associated water analyses are included in ***Attachment 5***.

XII – No Hydrologic Connection Statement

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

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

XIII – Proof of Notice

A Public Notice was filed with the Hobbs News-Sun newspaper and an affidavit is included in ***Attachment 7***.

A copy of the application was mailed to the OCD district office, landowner, and all identified affected parties within 1/2-mile of the proposed SWD location. A list of the recipients, as well as delivery confirmations, are included in ***Attachment 7***.

Attachments

Attachment 1:

- C-102
- As-Built Wellbore Diagram
- Proposed Recompletion Wellbore Diagram
- Packer Diagram

Attachment 2: Area of Review Information:

- 2-Mile Oil & Gas Well Map
- 1/2-Mile Well Detail List
- Penetrating Wellbore Diagram (Plugged Wells)
- 2-Mile Lease Map
- 2-Mile Mineral Ownership Map
- 2-Mile Surface Ownership Map
- Potash Lease Map

Attachment 3: Source Water Analyses

Attachment 4: Injection Formation Water Analyses

Attachment 5: Water Well Map and Well Data

- Water Well Map
- Well Data
- Water Sampling results

Attachment 6: No Hydrologic Connection Statement

Attachment 7: Public Notice Affidavit and Notice of Application Confirmations

Attachment 1

- C-102
- As-Built Wellbore Diagram
- Proposed Recompletion Wellbore Diagram
- Packer Diagram

State of New Mexico
Energy, Minerals and Natural Resources Department

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease – 4 Copies
Fee Lease – 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
	37240	LANGLIE MATTIX; 7RVRS-Q-GRAYBURG

Property Code	Property Name	Well Number
	GL ERWIN B FEDERAL NCT 2	12

OGRID No.	Operator Name	Elevation
4323	CHEVRON U.S.A. INC.	3171'

Surface Location

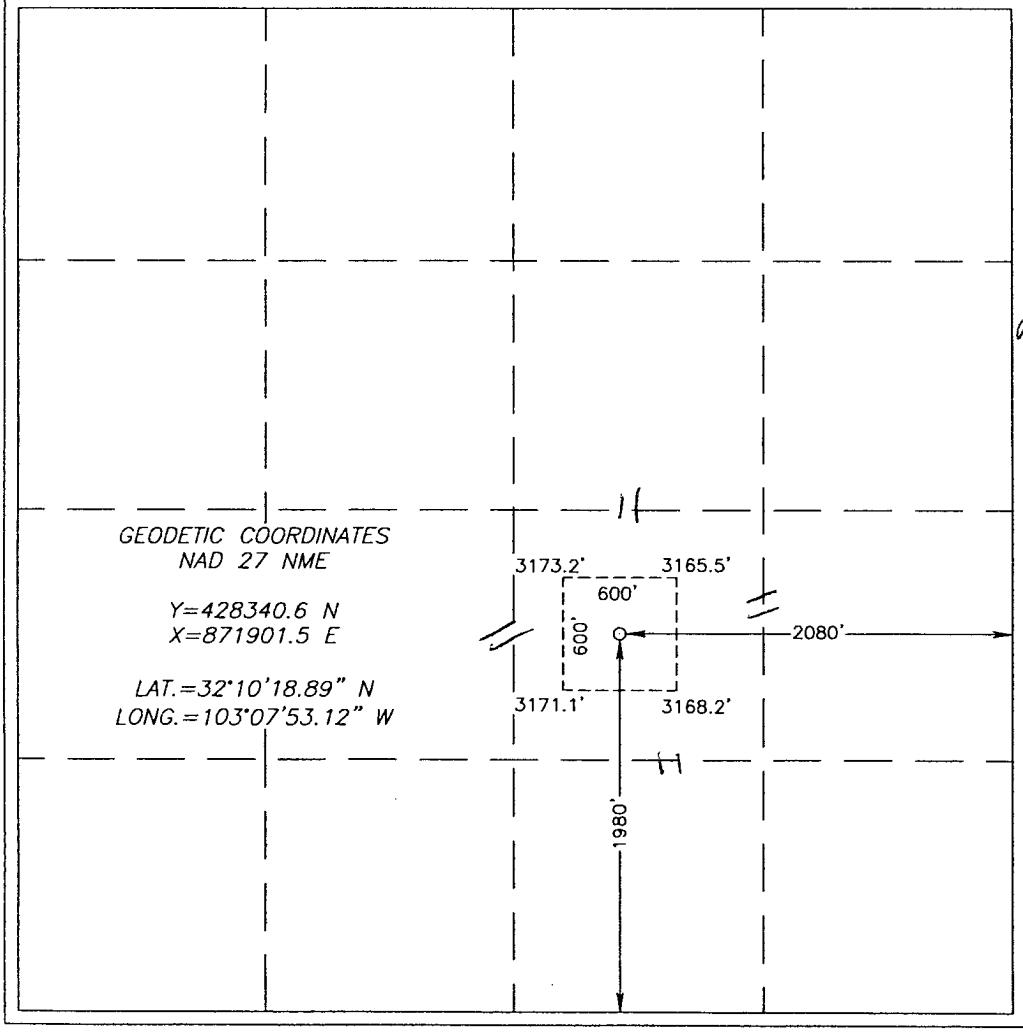
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	35	24-S	37-E		1980	SOUTH	2080	EAST	LEA

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.

Denise Pinkerton 1-9-07
Signature Date

DENISE PINKERTON
Printed Name

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.

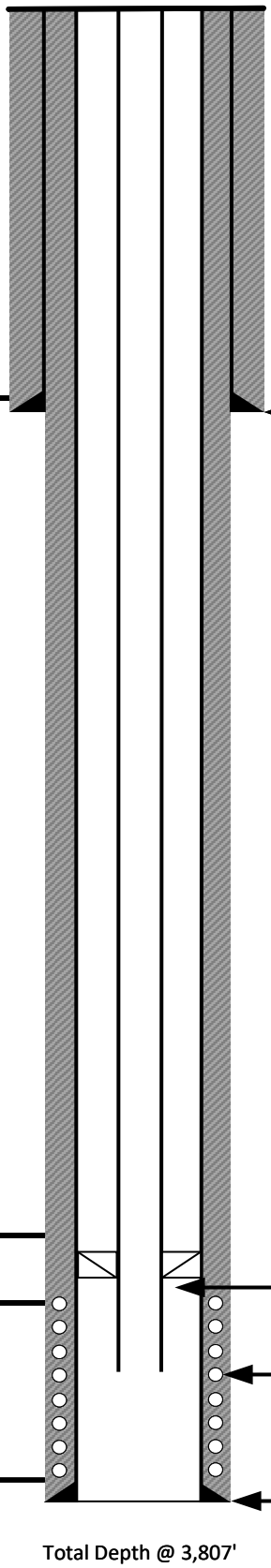
MAY 2, 2006
Date Surveyed MR

Signature & Seal of Professional Surveyor

Ronald J. Eidson 5/04/06
06.11.0748

Certificate No. GARY EIDSON 12841
RONALD J. EIDSON 3239

As-Built



Base of USDW: 992'

11" borehole.
8-5/8" 24# J-55 STC surface casing set at 1,017'.
Cemented to surface using 515 sacks of cement.
Top of cement circulated.

Queen Formation
Top: 3,110'

Grayburg Formation
Top: 3,346'

2-7/8" tubing set at 3,294' with tubing anchor.

Perforated from 3,741' – 3,354'.

San Andres Formation
Top: 3,753'

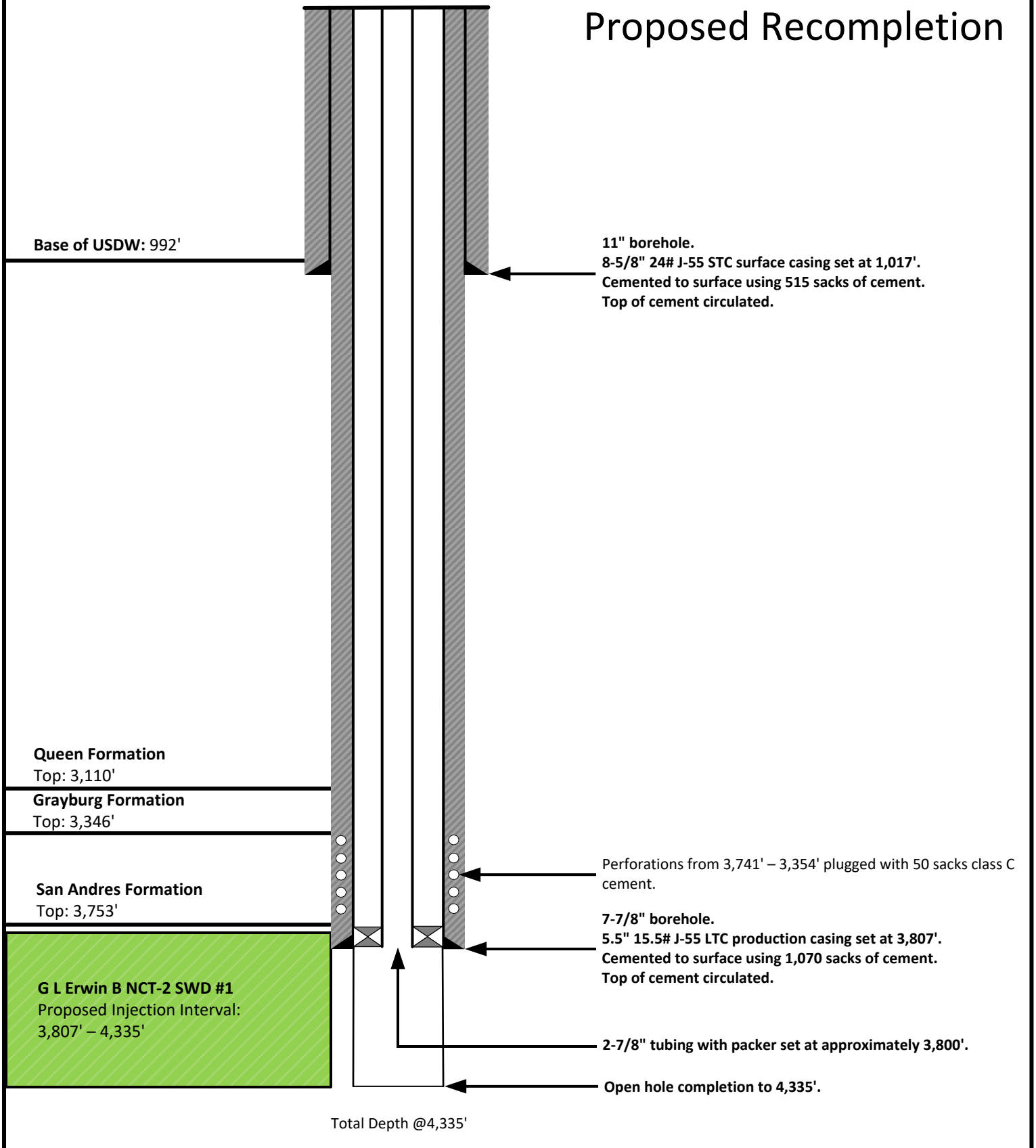
7-7/8" borehole.
5.5" 15.5# J-55 LTC production casing set at 3,807'.
Cemented to surface using 1,070 sacks of cement.
Top of cement circulated.

Total Depth @ 3,807'

NOT TO SCALE

Prepared by: ALL CONSULTING *Prepared for:* SCOUT ENERGY PARTNERS	Drawn by: Reed Davis	**G L Erwin B Federal NCT-2 #012**
	Project Manager: Oliver Seekins	**Scout Energy Management LLC**
	Date: 10/17/2023	**API#: 30-025-38295**
		Sec. 35 Town. 24S Rng. 37E
		Lat: 32.1720123° Long: -103.1319199° (NAD 83)

Proposed Recompletion



NOT TO SCALE

Prepared by: ALL CONSULTING *Prepared for:* SCOUT ENERGY PARTNERS	Drawn by: Reed Davis Project Manager: Oliver Seekins Date: 10/17/2023	**G L Erwin B NCT-2 SWD #1** **Scout Energy Management LLC** **API#: 30-025-38295** **Sec. 35 Town. 24S Rng. 37E** **Lat: 32.1720123° Long: -103.1319199° (NAD 83)**

HORNET Packer

Product Family No. H64682

HORNET EL Packer

Product Family No. H64683

APPLICATION

The mechanically set HORNET™ packer offers ease of operation with quarter-turn right to set and release. Converting it for wireline-setting applications is simple and inexpensive. The HORNET packer provides for landing in compression, tension, or neutral positions. Every component from the jay track, to the internal bypass, to the packing-element system and the upper slip assembly has been developed to ensure the HORNET's setting and releasing reliability.

The HORNET EL packer is run and set on electric line using an E-4™ (Product Family No. H43702) with a slow-set power charge or a J™ setting tool (Product Family No. H41371) and a special wireline adapter kit. An L-10™ type on/off seal nipple is run on top of the packer to connect the tubing to the packer and to house a blanking plug when the packer is used as a temporary bridge plug.

Advantages

Upper Slip Assembly:

- Thoroughly tested across API minimum to maximum casing ID tolerances for each specified casing weight, for setting and releasing reliability
- Slip-wicker configuration providing bidirectional-load support with solid upper cone to support highest tensile loads
- Staged-release action eliminates high-overpull requirement
- Minimal set-down weight required to anchor slips

Internal Bypass Seal:

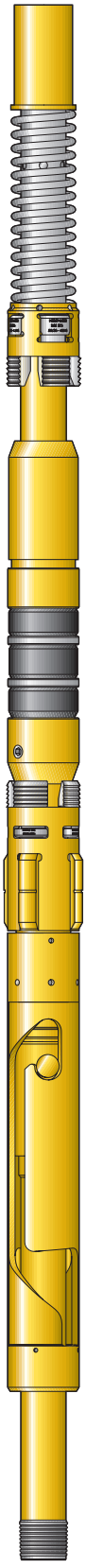
- Durable bypass seal design provides sealing after unloading, under differential pressures
- No O-ring sealing system

Packing Element System:

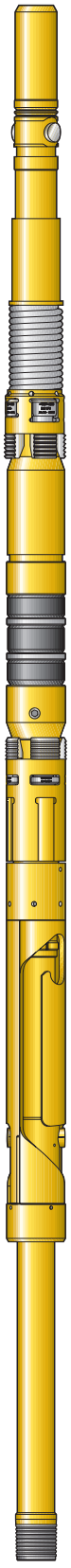
- Fully tested to combined ratings at the API's maximum ID tolerance
- Patented enhancements to control overboost
- High-performance, three-piece element system

Lower Slip and Jay Assembly:

- Slips and drag blocks tested to maximum API tolerance ID for positive set and ease of release
- One-quarter-turn right setting and releasing action
- Packoff of packing elements with applied tension or compression
- Spacing in jay ensures opening of internal bypass, before slip releasing action begins–important to both ease of release and safety
- Automatically returns to running position



HORNET Packer
Product Family No. H64682

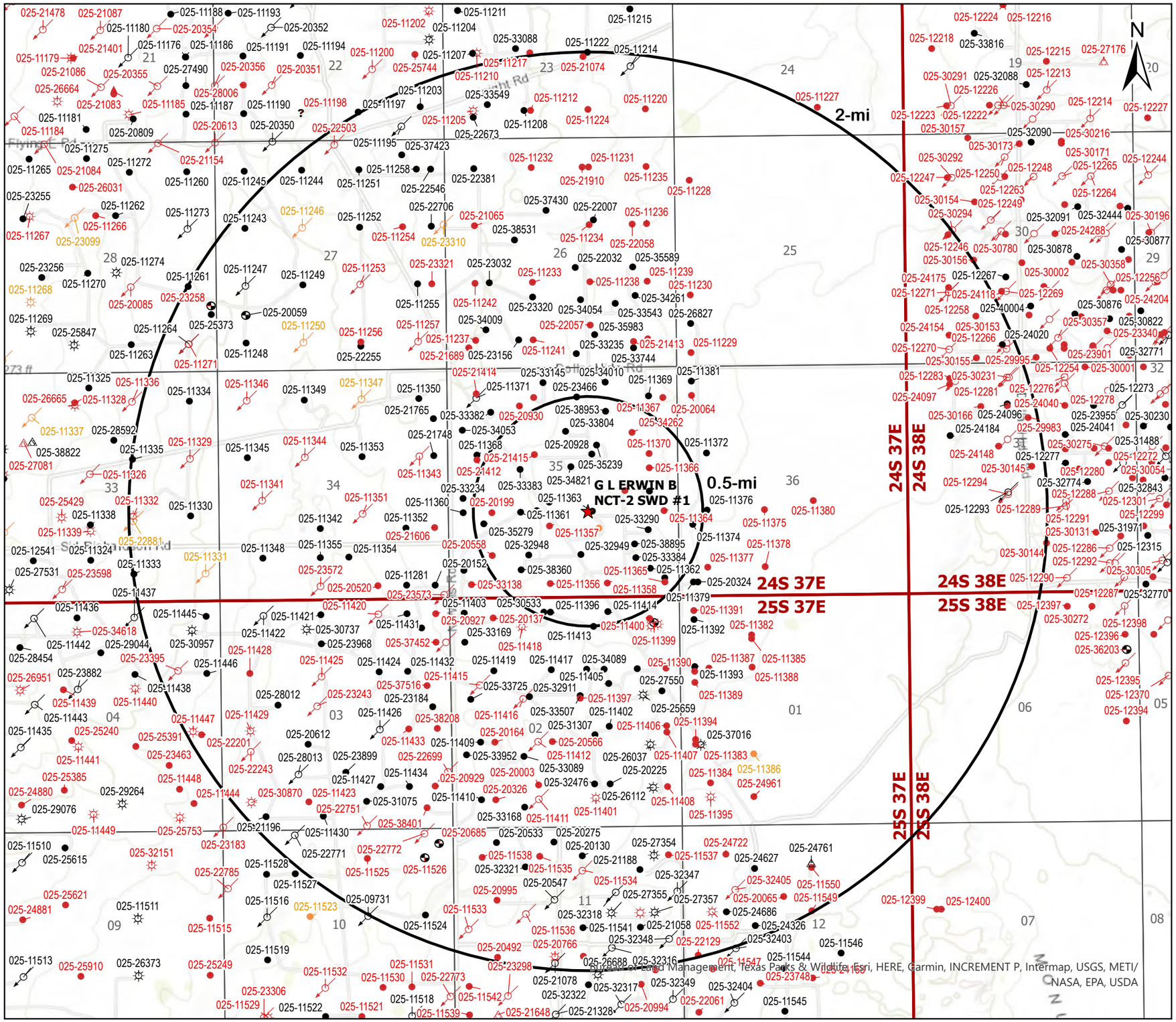


HORNET EL Packer
Product Family No. H64683

Attachment 2

Area of Review Information:

- 2-mile Oil & Gas Well Map
- 1/2-Mile Well Detail List
- Penetrating Wellbore Diagram (Plugged Wells)
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership Map
- Potash Lease Map



Legend

- Proposed SWD
- Miscellaneous (6)
- Gas, Active (20)
- Gas, Plugged (31)
- Gas, Temporary Abandonment (1)
- Injection, Active (41)
- Injection, Plugged (117)
- Injection, Temporary Abandonment (10)
- Oil, Active (214)
- Oil, Plugged (216)
- Oil, Temporary Abandonment (3)
- Salt Water Disposal, Active (2)
- Salt Water Disposal, Plugged (3)
- Water, Plugged (1)
- ? undefined (1)

Source Info: NMOCD O&G Wells updated 9/7/2023 (https://ocd-hub-nm-emnrd.hub.arcgis.com/search)

O&G Wells AOR Layout

G L ERWIN B NCT-2 SWD #1

Lea County, New Mexico

Proj Mgr: Oliver Seekins	October 19, 2023	Mapped by: Ben Bockelmann

Prepared for: SCOUT

Prepared by: ALL CONSULTING

AOR Tabulation for G L Erwin B NCT-2 SWD #1 (Top of Injection Interval: 3,807' - 4,335')

Well Name	API#	Well Type	Operator	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
G L ERWIN B FEDERAL NCT-2 #002	30-025-11363	Oil	SCOUT ENERGY MANAGEMENT LLC	11/10/1961	J-35-24S-37E	9,437	yes
G L ERWIN B FEDERAL NCT-2 #011	30-025-35238	Oil	SCOUT ENERGY MANAGEMENT LLC	2/26/2021	J-35-24S-37E	7,400	yes
G L ERWIN A FEDERAL #011	30-025-39180	Oil	SCOUT ENERGY MANAGEMENT LLC	10/2/2008	K-35-24S-37E	3,923	yes
G L ERWIN A FEDERAL #002	30-025-11357	Plugged	TEXACO EXPLORATION & PRODUCTION INC	5/31/1962	K-35-24S-37E	Plugged (7,435)	yes
G L ERWIN B FEDERAL NCT-2 #010	30-025-33803	Plugged	CHEVRON U S A INC	2/9/1997	I-35-24S-37E	Plugged (6,383)	yes
G L ERWIN B FEDERAL NCT-2 #007	30-025-32949	Oil	SCOUT ENERGY MANAGEMENT LLC	5/13/1995	O-35-24S-37E	7,400	yes
C C FRISTOE B FEDERAL NCT-2 #025	30-025-34821	Oil	SCOUT ENERGY MANAGEMENT LLC	2/1/2000	G-35-24S-37E	6,384	yes
G L ERWIN A FEDERAL #005	30-025-30875	Oil	SCOUT ENERGY MANAGEMENT LLC	7/1/1990	K-35-24S-37E	7,400	yes
G L ERWIN B FEDERAL NCT-2 #014	30-025-38895	Oil	SCOUT ENERGY MANAGEMENT LLC	6/8/2008	P-35-24S-37E	3,857	yes
C C FRISTOE B FEDERAL NCT-2 #008	30-025-20928	Oil	SCOUT ENERGY MANAGEMENT LLC	6/5/1964	G-35-24S-37E	6,200	yes
G L ERWIN B FEDERAL NCT-2 #008	30-025-33290	Oil	SCOUT ENERGY MANAGEMENT LLC	2/28/1996	I-35-24S-37E	8,298	yes
G L ERWIN B FEDERAL NCT-2 #013	30-025-38413	Oil	SCOUT ENERGY MANAGEMENT LLC	6/25/2007	I-35-24S-37E	3,850	yes
G L ERWIN B FEDERAL NCT-2 #009	30-025-33384	Oil	SCOUT ENERGY MANAGEMENT LLC	5/20/1996	P-35-24S-37E	6,400	yes
C C FRISTOE B FEDERAL NCT-2 #026	30-025-35239	Oil	SCOUT ENERGY MANAGEMENT LLC	7/26/2001	G-35-24S-37E	6,370	yes
GEORGE L ERWIN #003	30-025-11361	Oil	POCO Resources LLC	2/11/1939	K-35-24S-37E	3,460	no
G L ERWIN A FEDERAL #006	30-025-32948	Oil	SCOUT ENERGY MANAGEMENT LLC	5/28/1995	N-35-24S-37E	7,225	yes
G L ERWIN B FEDERAL NCT-2 #004	30-025-11358	Plugged	CHEVRON U S A INC	3/10/1962	O-35-24S-37E	Plugged (7,459)	yes
C C FRISTOE B FEDERAL NCT 2 #006	30-025-11366	Plugged	TEXACO EXPLORATION & PRODUCTION INC	5/12/1962	H-35-24S-37E	Plugged (7,971)	yes
G L ERWIN B FEDERAL NCT 2 #003	30-025-11364	Plugged	TEXACO EXPLORATION & PRODUCTION INC	4/30/1962	I-35-24S-37E	Plugged (8,540)	yes
C C FRISTOE B FEDERAL NCT 2 #011	30-025-21415	Plugged	TEXACO EXPLORATION & PRODUCTION INC	2/7/1965	F-35-24S-37E	Plugged (5,850)	yes
C C FRISTOE B FEDERAL NCT-2 #017	30-025-33383	Oil	SCOUT ENERGY MANAGEMENT LLC	6/13/1996	F-35-24S-37E	6,450	yes
G L ERWIN A FEDERAL #001	30-025-11356	Plugged	TEXACO EXPLORATION & PRODUCTION INC	2/24/1962	N-35-24S-37E	Plugged (7,180)	yes
C C FRISTOE B FEDERAL NCT-2 #020	30-025-33804	Oil	SCOUT ENERGY MANAGEMENT LLC	1/28/1997	G-35-24S-37E	6,500	yes
C C FRISTOE B FEDERAL NCT 2 #005	30-025-11370	Plugged	TEXACO EXPLORATION & PRODUCTION INC	6/5/1951	H-35-24S-37E	Plugged (3,425)	no
G L ERWIN B FEDERAL NCT-2 #001	30-025-11362	Oil	SCOUT ENERGY MANAGEMENT LLC	8/28/1961	P-35-24S-37E	8,565	yes
GEORGE L ERWIN #004	30-025-38360	Oil	POCO Resources LLC	4/4/2007	N-35-24S-37E	3,550	no
C C FRISTOE B FEDERAL NCT-2 #024	30-025-34262	Plugged	CHEVRON U S A INC	2/4/1998	H-35-24S-37E	Plugged (6,350)	yes
G L ERWIN A FEDERAL #004	30-025-20199	Plugged	TEXACO EXPLORATION & PRODUCTION INC	4/18/1963	L-35-24S-37E	Plugged (6,200)	yes
G L ERWIN B FEDERAL NCT-2 #006	30-025-30874	Oil	SCOUT ENERGY MANAGEMENT LLC	7/30/1990	P-35-24S-37E	8,895	yes
C C FRISTOE B FEDERAL NCT-2 #030	30-025-38953	Oil	SCOUT ENERGY MANAGEMENT LLC	6/20/2008	B-35-24S-37E	3,910	yes
STATE JM #002	30-025-11414	Oil	CITATION OIL & GAS CORP	2/28/1975	B-02-25S-37E	7,300	yes
G L ERWIN B FEDERAL NCT-2 #005	30-025-11365	Plugged	CHEVRON U S A INC	9/19/1962	P-35-24S-37E	Plugged (8,360)	yes
G L ERWIN A FEDERAL #009	30-025-35279	Oil	SCOUT ENERGY MANAGEMENT LLC	1/31/2001	L-35-24S-37E	6,890	yes
G L ERWIN A FEDERAL #003	30-025-20558	Plugged	CHEVRON U S A INC	12/29/1962	M-35-24S-37E	Plugged (7,177)	yes
W A RAMSAY NCT C #003	30-025-11374	Oil	J R OIL, LTD. CO.	11/7/1961	L-36-24S-37E	8,520	yes
STATE JP #001	30-025-11396	Oil	CITATION OIL & GAS CORP	6/23/1962	C-02-25S-37E	7,200	yes
FIREWATER #001	30-025-30533	Oil	North Fork Operating, LP	8/12/1989	C-02-25S-37E	3,420	no
STATE JM #001	30-025-11413	Oil	CITATION OIL & GAS CORP	9/22/1970	B-02-25S-37E	8,951	yes
C C FRISTOE B FEDERAL NCT-2 #014	30-025-23466	Oil	SCOUT ENERGY MANAGEMENT LLC	3/28/1970	B-35-24S-37E	5,800	yes

Casing / Plugging Information for Wells Penetrating the G L Erwin B NCT-2 SWD #1 Injection Zone

Well Name	API Number	Type	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole Size
G L ERWIN B FEDERAL NCT-2 #002	30-025-11363	Surface	246'	16"	Surface	Circulation	335	20"
		Intermediate	3,450'	11.75"	2,080'	Temperature Survey	1300	15"
		Production (4x)	6,196', 6,215', 7,100', 7,496'	2.375"	2,150'	Temperature Survey	1760	10.625"
		Production (1x)	7,495'	2.875"	2,150'	Temperature Survey	1760	10.625"
		Note: Multiple production casings were set inside of 11.75" intermediate casing, see NMOCD well details for API# 30-025-11363.						
G L ERWIN B FEDERAL NCT-2 #011	30-025-35238	Surface	1,025'	8.625"	Surface	Circulation	750	12.25"
		Production	7,402'	5.5"	Surface	Circulation	2025	7.875"
G L ERWIN A FEDERAL #011	30-025-39180	Surface	930'	8.625"	Surface	Circulation	450	11"
		Production	3,922'	5.5"	Surface	Circulation	1000	7.875"
G L ERWIN A FEDERAL #002	30-025-11357	Surface	277'	13.375"	Surface	Circulation	350	17.5"
		Intermediate	3,545'	9.625"	2,100'	Temperature Survey	900	Unknown*
		Production (3x)	6,151', 7,431', 7,435'	2.875"	3,900'	Temperature Survey	1200	8.75"
		Note: Multiple productions casings were set inside of 9.625" intermediate casing, see NMOCD well details for API #30-025-11357.						
		Plugging Details: In Devonian string: CIBP @6,000' capped with 35' cement, @5,260' capped with 35' cement, @3,950' capped with 35' cement. In Tubb-Drinkard string: CIBP @5,260' capped with 35' cement, @3,950' capped with 35' cement. In Blinebry string: CIBPs @5,700' and @3,950' capped with 35' cement. All 3 casings cut and pulled from 3,850'. Plugs @3,843' - 3,726' with 100 sx, @3,602' - 3,502' with unknown sx, @1,102' - 1,002' with unknown sx. Perf @325' and place cement retainer at 225', pump 200 sx cement from 225' - surface.						
G L ERWIN B FEDERAL NCT-2 #010	30-025-33803	Surface	1,046'	8.625"	Surface	Circulation	525	11"
		Production	6,383'	5.5"	Surface	Circulation	1400	7.875"
		Plugging Details: CIBP @4,980 capped with 35' cement. Plugs @4,939' - 4,677' with 25 sx, @4,051' - 3,754' with 30 sx, @3,082' - 2,786' with 30 sx, @2,303' - 2,007' with 30 sx. Perf @1,100' and squeeze 400 sx to surface.						
G L ERWIN B FEDERAL NCT-2 #007	30-025-32949	Surface	995'	8.625"	Surface	Circulation	525	11"
		Production	7,400'	5.5"	Surface	Circulation	1700	7.875"
C C FRISTOE B FEDERAL NCT-2 #025	30-025-34821	Surface	930'	8.625"	Surface	Circulation	520	11"
		Production	6,384'	5.5"	1,484'	CBL	1410	7.875"
G L ERWIN A FEDERAL #005	30-025-30875	Surface	950'	11.75"	Surface	Circulation	895	14.75"
		Intermediate	5,050'	8.625"	675'	Temperature Survey	1550	11"
		Production	7,400'	5.5"	Surface	Circulation	1200	7.875"
G L ERWIN B FEDERAL NCT-2 #014	30-025-38895	Surface	994'	8.625"	Surface	Circulation	516	11"
		Production	3,857'	5.5"	Surface	Circulation	1250	7.875"
C C FRISTOE B FEDERAL NCT-2 #008	30-025-20928	Surface	249'	11.75"	Surface	Circulation	350	15"
		Intermediate	3,450'	8.625"	Surface	Circulation	850	10.625"
		Production (2x)	6,199'	2.875"	2,200'	Temperature Survey	850	7.375"
		Note: Multiple productions casings were set inside of 8.625" intermediate casing, see NMOCD well details for API #30-025-20928.						
G L ERWIN B FEDERAL NCT-2 #008	30-025-33290	Surface	1,000'	8.625"	Surface	Circulation	1428	11"
		Production	8,298'	5"	Surface	Circulation	1175	7.875"
G L ERWIN B FEDERAL NCT-2 #013	30-025-38413	Surface	1,024'	8.625"	Surface	Top Fill	740	11"
		Production	3,850'	5.5"	Unknown*	Unknown*	1000	7.875"

Casing / Plugging Information for Wells Penetrating the G L Erwin B NCT-2 SWD #1 Injection Zone Continued

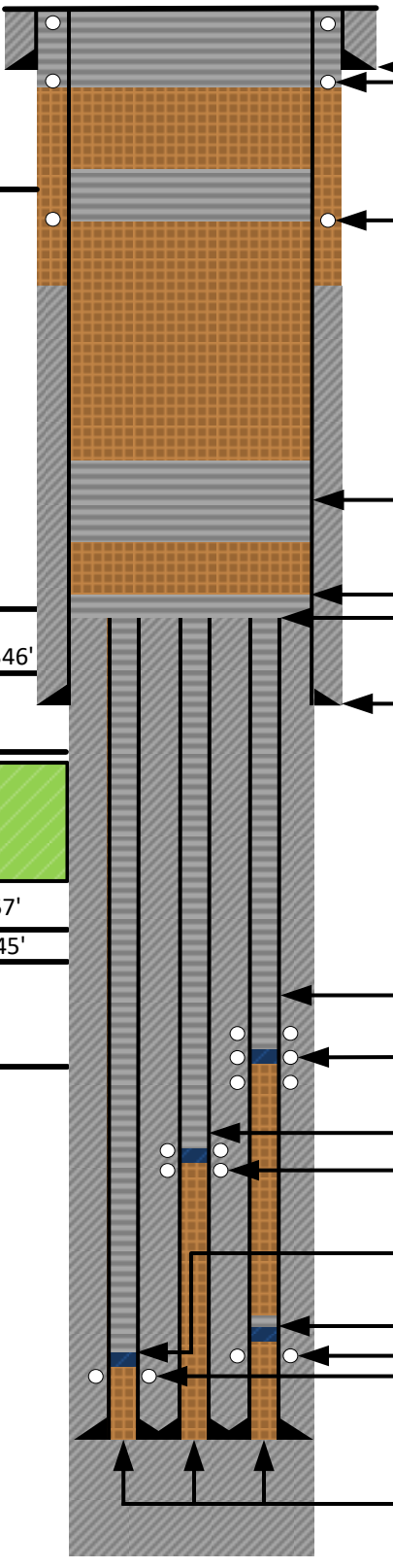
Well Name	API Number	Type	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole Size
G L ERWIN B FEDERAL NCT-2 #009	30-025-33384	Surface	1,010'	8.625"	Surface	Circulation	525	11"
		Production	6,400'	5.5"	3,400'	Temperature Survey	570	7.875"
C C FRISTOE B FEDERAL NCT-2 #026	30-025-35239	Surface	1,021'	8.625"	Surface	Circulation	500	11"
		Production	6,368'	5.5"	Surface	Circulation	1640	7.875"
G L ERWIN A FEDERAL #006	30-025-32948	Surface	1,014'	8.625"	Surface	Circulation	525	11"
		Production	7,225'	5.5"	1,665'	Temperature Survey	1850	7.875"
G L ERWIN B FEDERAL NCT-2 #004	30-025-11358	Surface	255'	13.375"	Surface	Circulation	350	17.5"
		Intermediate	3,469'	10.75" & 9.625"	1,875'	Temperature Survey	1050	Unknown*
		Production (2x)	6,205', 7,459'	2.375"	1,800'	Temperature Survey	1924	Unknown*
		Production (2x)	7,103', 7,459'	2.875"	1,800'	Temperature Survey	1924	Unknown*
		Note: Multiple productions casings were set inside of 9.625" intermediate casing, see NMOCD well details for API #30-025-11358.						
		Plugging Details: In Blinebry string: Squeeze 110 sx on W-side, tag @1,810'. In Fusselman string: CIBP @ 3,750', plug @3,750' - 1,800 with 50 sx Y-side. In Devonian string: CIBP @4,498', plug @4,498' - 1,800' with 70 sx z-side. In Drinkard string: Squeeze 200 sx cement on x-side, tag @1,815'. Cut all 4 casings @1,800', unable to pull. Squeeze 70 sx from 1,800' - 1,592'. Cut all 4 casing @1,500' and pull. Perf @1,500' in 9.625" casing and squeeze 125 sx from 1,500' - 1,130'. Perf @310' in 9.625" casing and squeeze 275 sx to 40' from surface. Filled to surface with 10 sx.						
C C FRISTOE B FEDERAL NCT 2 #006	30-025-11366	Surface	280'	13.375"	Surface	Circulation	350	17.5"
		Intermediate	3,500'	9.625"	1,350'	Temperature Survey	1500	Unknown*
		Production (3x)	7,244', 7,244', 7245'	2.875"	3,180'	Temperature Survey	1600	Unknown*
		Note: Multiple productions casings were set inside of 9.625" intermediate casing, see NMOCD well details for API #30-025-11366.						
		Plugging Details: In Blinebry string: CIBP @5,335' top with 70 sx to 3,180'. In Tubb-Drinkard string: CIBP @5,900' top with 75 sx to 3,180'. In Fusselman string: CIBP @ 6,900' top with 100 sx to 3,180'. Cut all 3 casings @3,180', spot 40 sx plug @3,180' - 3,080'. Spot 50 sx plug @2,700' - 2,300'. Perf @ 1,100', unable to squeeze. 50 sx plug @1,100' - 900'. Perf @330' and squeeze 240 sx to 200'. Perf @50' squeeze 71 sx to surface.						
G L ERWIN B FEDERAL NCT 2 #003	30-025-11364	Surface	279'	16"	Surface	Circulation	300	20"
		Intermediate	3,450'	11.75"	2,160'	Temperature Survey	1200	Unknown*
		Production (4x)	7,399', 7,406', 8,198', 8,540'	2.375"	3,100'	Temperature Survey	3624	Unknown*
		Production (1x)	8,540'	2.875"	3,100'	Temperature Survey	3624	Unknown*
		Note: Multiple productions casings were set inside of 11.75" intermediate casing, see NMOCD well details for API #30-025-11364.						
		Plugging Details: Z-string: Plugs @8,260-7,735' with 40 sx, @7,735' - 4,639' with 30 sx, and @4,639' - 3,100' with 40 sx. Cut casing @3,073'. V-String: CIBP @6,900' with 35' cement on top. Plug @ 6,052' - 2,908' with 85 sx. Cut casing @ 2,905'. Y-string: CIBP @6,900' with 35' cement on top. Plug @3,522' - 3,100'. Cut casing @ 3,082'. W-string: CIBP @5,216'. Plugs @5,216' - 3,460' with 150 sx, @3,460' - 3,100' with 6 sx. Cut casing @ 3,091'. X-String: Squeeze 50 sx @5,279' - 3,100'. Cut casing @3,100'. Spot 100 sx plug from 3,100' - 2,846'. Spot 215 sx @2,425' - 1,986'. Perf @ 1,275' and set retainer @1,175', squeeze 120 sx @1,275' - 1,175'. Perf @300', pump 300 sx to surface.						
C C FRISTOE B FEDERAL NCT 2 #011	30-025-21415	Surface	971'	8.625"	Surface	Circulation	450	11"
		Production (2x)	3,599', 5,848'	2.875"	2,639'	Calculated	700	7.875"
		Note: Multiple productions casings were set inside of 8.625" surface casing, see NMOCD well details for API #30-025-21415.						
		Plugging Details: Blinebry string: CIBP @5,050' with 65 sx on top to 2,400'. Langlie-Mattix string: CIBP @3,100' with 40 sx on top to 1,200'. Perf lower side @2,400' and squeeze 60 sx to 1,000'. Cut casings (upper @1,200', lower @1,000'). Spot 100 sx plug @1,000' - 600', 20 sx @600' - 60', 20 sx @ 60' - surface.						

Casing / Plugging Information for Wells Penetrating the G L Erwin B NCT-2 SWD #1 Injection Zone Continued

Well Name	API Number	Type	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole Size
C C FRISTOE B FEDERAL NCT-2 #017	30-025-33383	Surface	1,008'	8.625"	Surface	Circulation	525	11"
		Production	6,450'	5.5"	Surface	Circulation	1905	7.875"
G L ERWIN A FEDERAL #001	30-025-11356	Surface	262'	13.375"	Surface	Circulation	350	17.5"
		Intermediate	3,545'	9.625"	2,000'	Temperature Survey	1000	Unknown*
		Production (2x)	6,312', 7,180'	2.375"	2,400'	Temperature Survey	1600	Unknown*
		Production (1x)	7,180'	2.875"	2,400'	Temperature Survey	1600	Unknown*
		Note: Multiple productions casings were set inside of 9.625" intermediate casing, see NMOCD well details for API #30-025-11356.						
		Plugging Details: Devonian string: CIBP @7,000' with 120 sx on top to 2,365'. Blinebry string: CIBP @5,700' with 85 sx on top to 2,200'. Drinkard string: CIBP @5,050' with 70 sx on top to 2,386'. Cut and pull casings from 2,386' - 2,200'. Spot 75 sx plug @2,386' - 2,115'. Perf @1,500' and squeeze 125 sx to 1,105'. Perf @310' and squeeze 125 sx to 184'. Plug 30' - surface with 15 sx.						
C C FRISTOE B FEDERAL NCT-2 #020	30-025-33804	Surface	1,015'	8.625"	Surface	Circulation	525	11"
		Production (1x)	2,123'	5.5"	Surface	Circulation	735	7.875"
		Production (1x)	6,500'	5.5"	Surface	Circulation	1600	7.875"
G L ERWIN B FEDERAL NCT-2 #001	30-025-11362	Surface	990'	13.375"	Surface	Circulation	800	17.5"
		Production	3,780'	9.625"	1,400'	Temperature Survey	1700	12.25"
		Liner	3,667' - 8,565'	7"	3,667'	Liner Top	1100	Unknown*
C C FRISTOE B FEDERAL NCT-2 #024	30-025-34262	Surface	925'	8.625"	Surface	Circulation	525	11"
		Production	6,350'	4.5"	1,690'	Unknown*	1400	7.875"
		Plugging Details: Plugs @4,458' - 3,999' with 31 sx, @3,999' - 3,767' with unknown sx, @3,767' - 2,100' with 60 sx. Pump 280 sx, did not circulate out 8.625" casing (tag @256'). Fill casing with 35 sx.						
G L ERWIN A FEDERAL #004	30-025-20199	Surface	264'	11.75"	Surface	Circulation	300	15"
		Intermediate	3,545'	8.625"	Surface	Circulation	1800	Unknown*
		Production (2x)	6,195', 6,199'	2.875"	Unknown*	Unknown*	600	Unknown*
		Note: Multiple productions casings were set inside of 8.625" intermediate casing, see NMOCD well details for API #30-025-20199.						
		Plugging Details: Drinkard string: CIBP @5,880' with 3 sx on top to 5,760'. CIBP @3,550' with 2 sx on top to 3,470'. Blinebry string: Retainer set @5,350' pumped 25 sx to 5,150'. CIBP @3,550' with 2 sx on top to 3,470'. Cut and pulled casings @1,150'. Spot 100 sx @1,150' - 737'. Circulate 75 sx from 264' - surface. Pump 60 sx down backside of 8.625" casing to 270', fill collar with cement.						
G L ERWIN B FEDERAL NCT-2 #006	30-025-30874	Surface	958'	11.75"	20'	Temperature Survey	650	14.75"
		Intermediate	5,050'	8.625"	Surface	Circulation	2200	11"
		Production	8,895'	5.5"	Surface	Circulation	1975	7.875"
C C FRISTOE B FEDERAL NCT-2 #030	30-025-38953	Surface	998'	8.625"	Surface	Circulation	500	11"
		Production	3,910'	5.5"	Surface	Circulation	1250	7.875"
STATE JM #002	30-025-11414	Surface	1,011'	13.375"	Surface	Circulation	600	17.5"
		Production	7,300'	7" & 7.625"	2,525'	Estimated	600	8.75"

Casing / Plugging Information for Wells Penetrating the G L Erwin B NCT-2 SWD #1 Injection Zone Continued

Well Name	API Number	Type	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole Size
G L ERWIN B FEDERAL NCT-2 #005	30-025-11365	Surface	250'	16"	Surface	Circulation	300	20"
		Intermediate	3,500'	13.375" & 11.75"	1,925'	Temperature Survey	1000	15"
		Production (4x)	7,248', 7,250', 8,150', 8,150'	2.875"	1,600'	Temperature Survey	1800	8.75"
		Note: Multiple productions casings were set inside of 8.625" intermediate casing, see NMOCD well details for API #30-025-11365.						
		Plugging Details: Montoya string: CIBP @7,060' with 135 sx on top to 1,628'. Waddell string: CIBP @8,000' with 160 sx on top to 840'. Ellenburger string: CIBP @7,173 and @7,000' with 135 sx on top to 1,632'. Fusselman string: CIBP @6,930' with 135 sx on top to 1,638'. Cut casings @ 1,600' and spot 150 sx plug @1,600' - 1,372'. Plugs @860' - 645' with 100 sx, and @350' - 148' with 100 sx. Circ 30 sx from 60' - surface.						
G L ERWIN A FEDERAL #009	30-025-35279	Surface	1,030'	8.625"	Surface	Circulation	550	11"
		Production	6,695'	5.5"	Unknown*	Unknown*	1650	7.875"
G L ERWIN A FEDERAL #003	30-025-20558	Surface	314'	11.75"	Surface	Circulation	275	15"
		Intermediate	3,602'	8.625"	Surface	Circulation	1525	11"
		Production	7,374', 7,393', 7,396'	2.375"	Unknown*	Unknown*	1600	7.625"
		Note: Multiple productions casings were set inside of 8.625" intermediate casing, see NMOCD well details for API #30-025-20558.						
		Plugging Details: CIBP @3,425' with 20' cement on top. Blinebry string: Squeeze 65 sx to 2,681'. Tubb-Drinkard string: Squeeze 80 sx to 2,522'. Devonian string: Squeeze 95 sx to 2,625'. Cut 2 strings @2,600', 1 string @2,300'. Spot 85 sx from 2,600' - 2,223'. Spot 35 sx from 1,200' to 1,100'. Spot 125 sx plug from 375' - surface.						
W A RAMSAY NCT C #003	30-025-11374	Surface	997'	13.375"	Surface	Circulation	880	17.5"
		Intermediate	3,463'	9.625"	Surface	Circulation	730	12.25"
		Production	8,520'	7.625" & 7"	4,300'	Temperature Survey	700	8.75"
STATE JP #001	30-025-11396	Surface	994'	10.75"	Surface	Circulation	600	12.25"
		Production (1x)	7,195'	4.5"	1,600'	Temperature Survey	1239	9.875"
		Production (2x)	7,196', 7,197'	2.875"	1,600'	Temperature Survey	1239	9.875"
		Note: Multiple productions casings were set inside of 10.75" surface casing, see NMOCD well details for API #30-025-11396.						
STATE JM #001	30-025-11413	Surface	240'	13.375"	Surface	Circulation	200	17"
		Intermediate	3,649'	9.625"	Surface	Circulation	1150	11"
		Production	8,951'	7.625" & 7"	6,400'	Temperature Survey	800	8.625"
C C FRISTOE B FEDERAL NCT-2 #014	30-025-23466	Surface	974'	8.625"	Surface	Circulation	375	11"
		Production	5,800'	4.5"	Surface	Circulation	520	7.875"



17.5" borehole.
13-3/8" 27# surface casing set at approximately 280'.
Cemented to surface using 350 sacks of cement.
Top of cement circulated.

Perforated at 330' and squeezed 240 sacks of cement to 200'.
Perforated at 50' and squeezed 71 sacks of cement to surface.

Base of USDW: 992'

Perforated at 1,100', unable to squeeze. 50 sack cement plug from 1,100' - 900'.

50 sack cement plug from 2,700' – 2,300'.

Queen Formation
Top: 3,110'

40 sack cement plug from 3,180' – 3,080'.
Cut and pull all 3 production casings at 3,180'.

Grayburg Formation Top: 3,346'

San Andres Formation
Top: 3,753'

9-5/8" 32# intermediate casing set at approximately 3,500'.
Cemented to 1,350' using 1,500 sacks of cement.
Top of cement determined by temperature survey.

G L Erwin B NCT-2 SWD #1
Proposed Injection Interval:
3,807' – 4,335'

Glorieta Formation Top: 4,757'

Paddock Formation Top: 4,845'

Blinebry Formation
Top: 5,400'

CIBP at 5,335' with 70 sack cement plug to 3,180'.

Perforated from 5,539' – 5,187'.

CIBP at 5,900' with 75 sack cement plug to 3,180'.

Perforated from 6,061' – 5,887'.

CIBP at 6,900' with 100 sack cement plug to 3,180'.

CIBP at 6,808' with 20' cement on top.

Perforated from 7,042' – 6,940'.

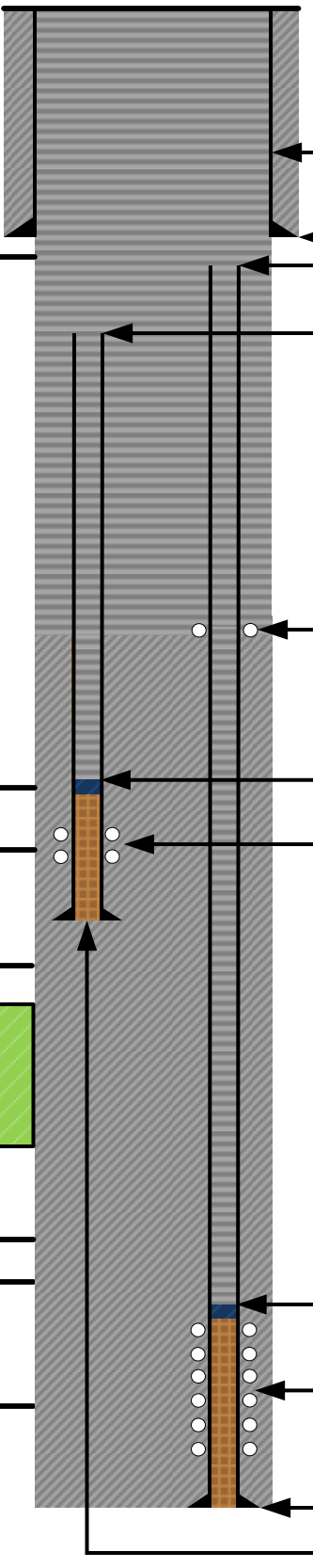
Perforated from 7,203' – 7,150'.

3x 2-7/8" 6.4# production casings set at approximately 7,244', 7,244', and 7,245'.
Cemented to 3,180' using 1,600 sacks of cement.
Top of cement determined by temperature survey.

Total Depth @ 7,971'

NOT TO SCALE

Prepared by: ALL CONSULTING *Prepared for:* SCOUT ENERGY PARTNERS	Drawn by: Reed Davis	**C C Fristoe B Federal NCT-2 #006**
	Project Manager: Oliver Seekins	**Texaco Exploration & Production Inc**
	Date: 10/11/2023	**API#: 30-025-11366**
		Sec. 35 Town. 24S Rng. 37E
		Lat: 32.1747246° Long: -103.1273346° (NAD 83)



140 sack cement plug from 1,000' – surface (plugged in 3 stages).

11" borehole.
8-5/8" 17# surface casing set at approximately 971''.
Cemented to surface using 450 sacks of cement.
Cement circulated.

Base of USDW: 992'

Casings cut and pulled at 1,200' and 1,000'.

Perforated at 2,400' and squeezed 60 sacks to 1,000'.

Queen Formation
Top: 3,110'

CIBP at 3,100' with 40 sack cement plug on top to 1,200'.

Grayburg Formation Top: 3,346'

Perforated from 3,458' – 3,316'.

San Andres Formation
Top: 3,753'

G L Erwin B NCT-2 SWD #1
Proposed Injection Interval:
3,807' – 4,335'

Glorieta Formation
Top: 4,757'

Paddock Formation Top: 4,845'

CIBP at 5,050' with 65 sack cement plug on top to 2,400'.

Blinebry Formation
Top: 5,400'

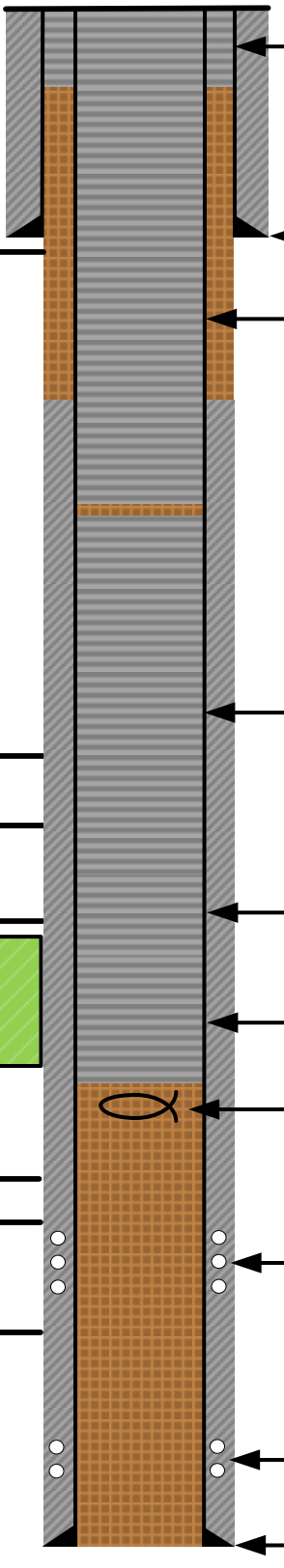
Perforated from 5,722' – 5,099'.

2x 2-7/8" 6.5# production casings set at approximately 3,599' and 5,848'.
Cemented to 2,369' using 700 sacks of cement.
Top of cement calculated.

Total Depth @ 5,850'

NOT TO SCALE

Prepared by: ALL CONSULTING *Prepared for:* SCOUT ENERGY PARTNERS	Drawn by: Reed Davis Project Manager: Oliver Seekins Date: 10/13/2023	**C C Fristoe B Federal NCT-2 #011** **Texaco Exploration & Production Inc** **API#: 30-025-11357** **Sec. 35 Town. 24S Rng. 37E** **Lat: 32.1756287° Long: -103.1358566° (NAD 83)**



35 sack cement plug filled casing to surface.

11" borehole.
8-5/8" 24# surface casing set at approximately 925'.
Cemented to surface using 525 sacks of cement.
Top of cement circulated.

Base of USDW: 992'

Pump 280 sacks down 4-½" casing. Bottom of cement unknown, top of cement tagged at 256'.

Queen Formation
Top: 3,110'

60 sack cement plug from 3,767' – 2,100'.

Grayburg Formation
Top: 3,346'

San Andres Formation
Top: 3,753'

Unknown sack cement plug from 3,999' – 3,767'.

G L Erwin B NCT-2 SWD #1
Proposed Injection Interval:
3,807' – 4,335'

31 sack cement plug from 4,448' – 3,999'.

Top of fish at 4,458'.

Glorieta Formation
Top: 4,757'

Paddock Formation Top: 4,845'

Perforations from 5,300' – 5,085'.

Blinebry Formation
Top: 5,400'

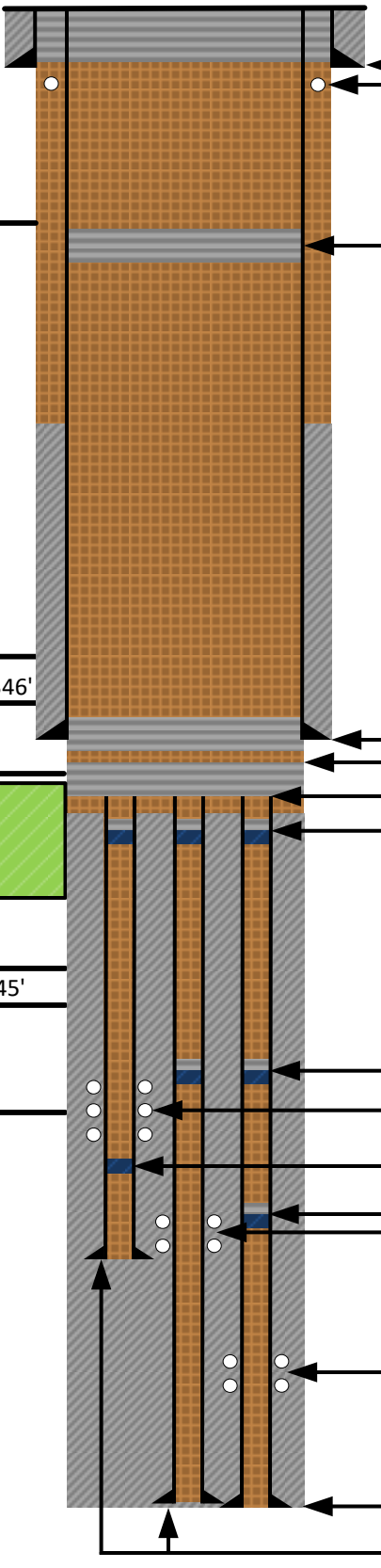
Perforations from 6,172' – 6,088'.

4-1/2" 11.6# production casing set at approximately 6,350'.
Cemented to 1,690' using 1,400 sacks of cement.
Top of cement determination method unknown.

Total Depth @ 6,350'

NOT TO SCALE

Prepared by: ALL CONSULTING *Prepared for:* SCOUT ENERGY PARTNERS	Drawn by: Reed Davis Project Manager: Oliver Seekins Date: 10/09/2023	**C C Fristoe B Federal NCT-2 #024** **Chevron U S A Inc** **API#: 30-025-34262** **Sec. 35 Town. 24S Rng. 37E** **Lat: 32.1769753° Long: -103.1285858° (NAD 83)**



17.5" borehole.
13-3/8" 27# surface casing set at approximately 277'.
Cemented to surface using 350 sacks of cement.
Top of cement circulated.

Perforated at 325' and cement retainer placed at 225'. 200 sack cement plug pumped from 225' – surface.

Base of USDW: 992'

Unknown sack cement plug from 1,102' – 1,002'.

Queen Formation
Top: 3,110'

Grayburg Formation Top: 3,346'

San Andres Formation
Top: 3,753'

9-5/8" 32# intermediate casing set at approximately 3,545'.
Cemented to 2,100' using 900 sacks of cement.
Top of cement determined by temperature survey.

G L Erwin B NCT-2 SWD #1
Proposed Injection Interval:
3,807' – 4,335'

100 sack cement plug from 3,843' – 3,726' and unknown sack cement plug from 3,602' – 3,502'.

All 3 production casings cut and pulled from 3,850'.

CIBPs set at 3,950' with 35' cement on top to 3,915'.

Glorieta Formation
Top: 4,757'

Paddock Formation Top: 4,845'

Blinebry Formation
Top: 5,400'

CIBPs set at 5,260' with 35' cement on top to 5,225'.

Perforated from 5,631' -5,293'.

CIBP set at 5,700'.

CIBP set at 6,000' with 35' cement on top to 5,965'.

Perforated from 6,103' – 6,025'.

Perforated from 7,200' – 7,076'.

3x 2-7/8" 6.4# production casings set at approximately 6,151', 7,431', and 7,435'.
Cemented to 3,900' using 1200 sacks of cement.
Top of cement determined by temperature survey.

Total Depth @ 7,435'

NOT TO SCALE

Prepared by:
ALL CONSULTING

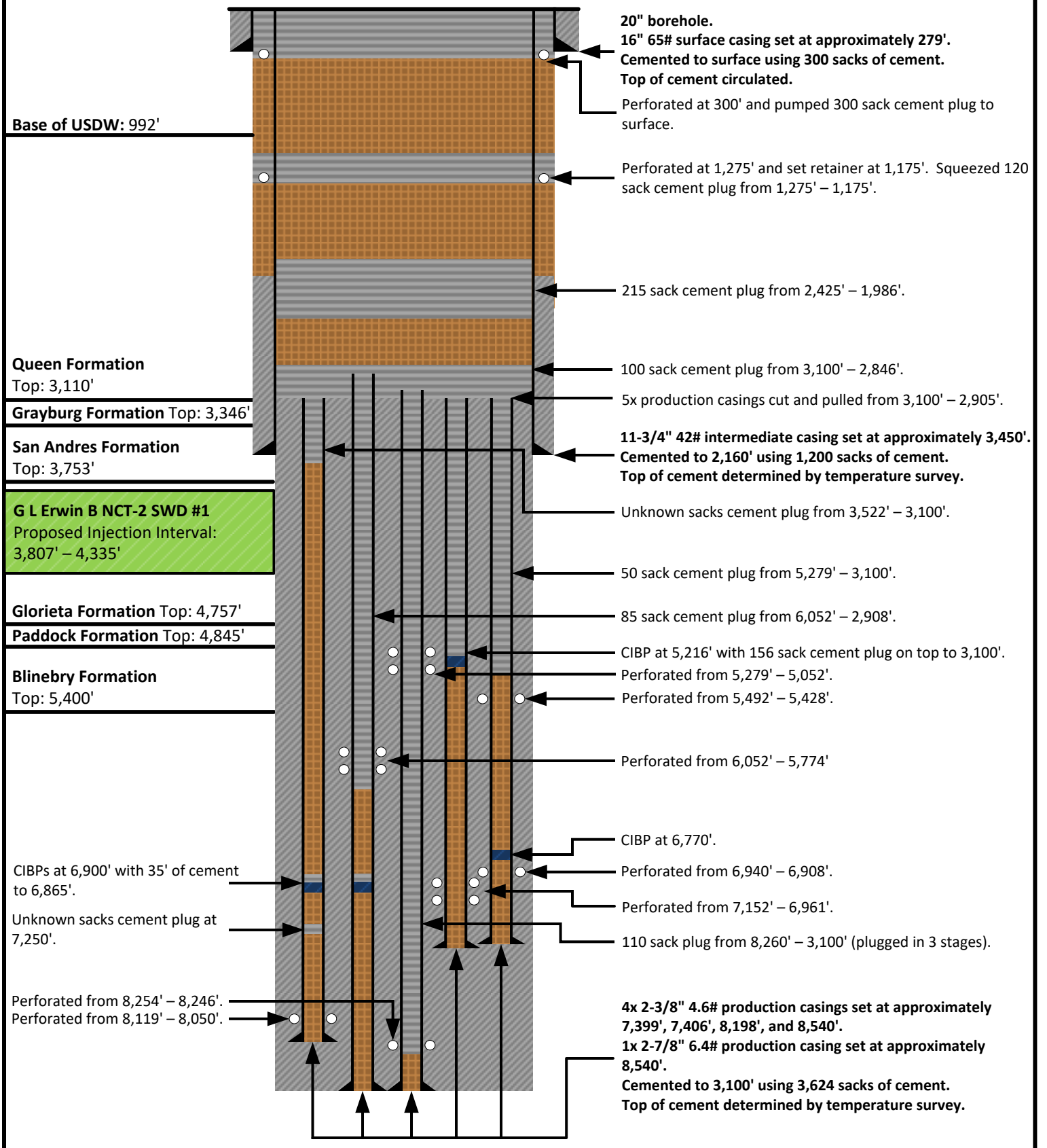
Prepared for:
SCOUT ENERGY PARTNERS

Drawn by: Reed Davis

Project Manager: Oliver Seekins

Date: 10/10/2023

G L Erwin A Federal #002
Texaco Exploration & Production Inc
API#: 30-025-11357
Sec. 35 Town. 24S Rng. 37E
Lat: 32.1711044° Long: -103.1347885° (NAD 83)



NOT TO SCALE

Prepared by: ALL CONSULTING

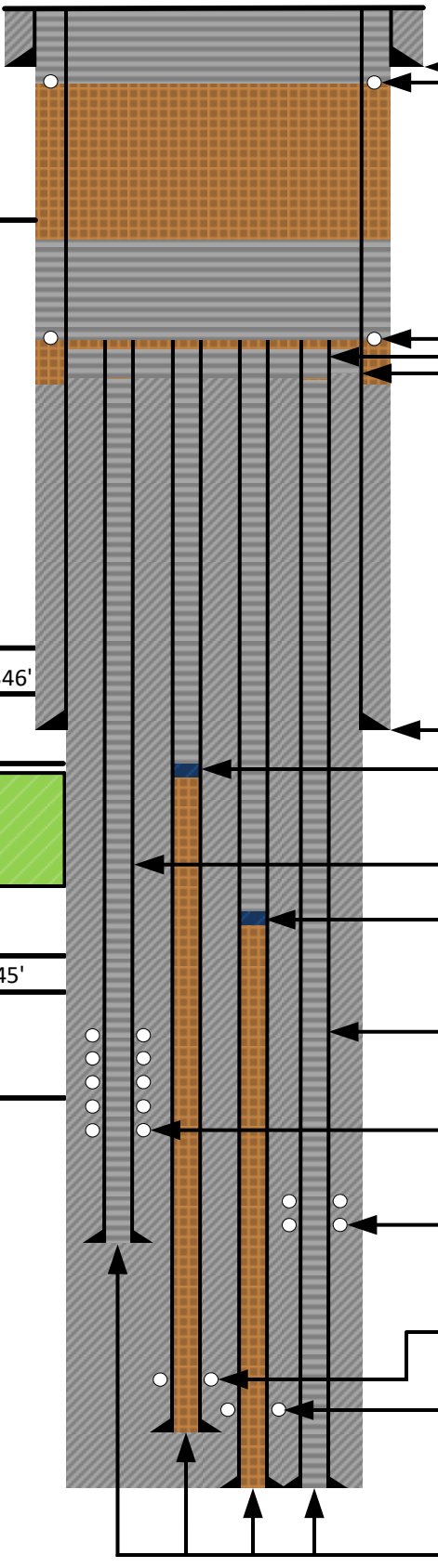
Prepared for: SCOUT ENERGY PARTNERS

Drawn by: Reed Davis

Project Manager: Oliver Seekins

Date: 10/11/2023

G L Erwin B Federal NCT-2 #003
Texaco Exploration & Production Inc
API#: 30-025-11364
Sec. 35 Town. 24S Rng. 37E
Lat: 32.1720123° Long: -103.1262665° (NAD 83)



17.5" borehole.
13-3/8" 35.6# surface casing set at approximately 255'.
Cemented to surface using 350 sacks of cement.
Top of cement circulated.

Perforated at 310' and squeezed 275 sacks from 310' - 40'.
Filled to surface with 10 sacks.

Base of USDW: 992'

Perforated at 1,500' and squeezed 125 sacks from 1,500' to 1,130'.

4x production casings cut and pulled from 1,500'.

Squeeze 70 sack cement plug from 1,800' – 1,592'.

Queen Formation
Top: 3,110'

Grayburg Formation Top: 3,346'

San Andres Formation
Top: 3,753'

9-5/8" 36# intermediate casing set at approximately 3,469'.
Cemented to 1,875' using 1,050 sacks of cement.
Top of cement determined by temperature survey.

G L Erwin B NCT-2 SWD #1
Proposed Injection Interval:
3,807' – 4,335'

CIBP at 3,750', top with 50 sacks of cement to 1,800'.

Squeeze 110 sack cement plug to 1,810'.

Glorieta Formation
Top: 4,757'

CIBP at 4,498' with 70 sacks of cement to 1,800'.

Paddock Formation Top: 4,845'

Squeeze 100 sack cement plug to 1,815'.

Blinebry Formation
Top: 5,400'

Perforated from 5,616' – 5,054'.

Perforated from 6,082' – 5,990'.

Perforated from 7,050' – 7,038'.

Perforated from 7,145' – 7,142'.

2x 2-3/8" 4.7# production casings set at approximately 6,205' and 7,459'.
2x 2-7/8" 6.4# production casings set at approximately 7,103' and 7,459'.
Cemented to 1,800' using 1924 sacks of cement.
Top of cement determined by temperature survey.

Total Depth @ 7,459'

NOT TO SCALE

Prepared by:
ALL CONSULTING

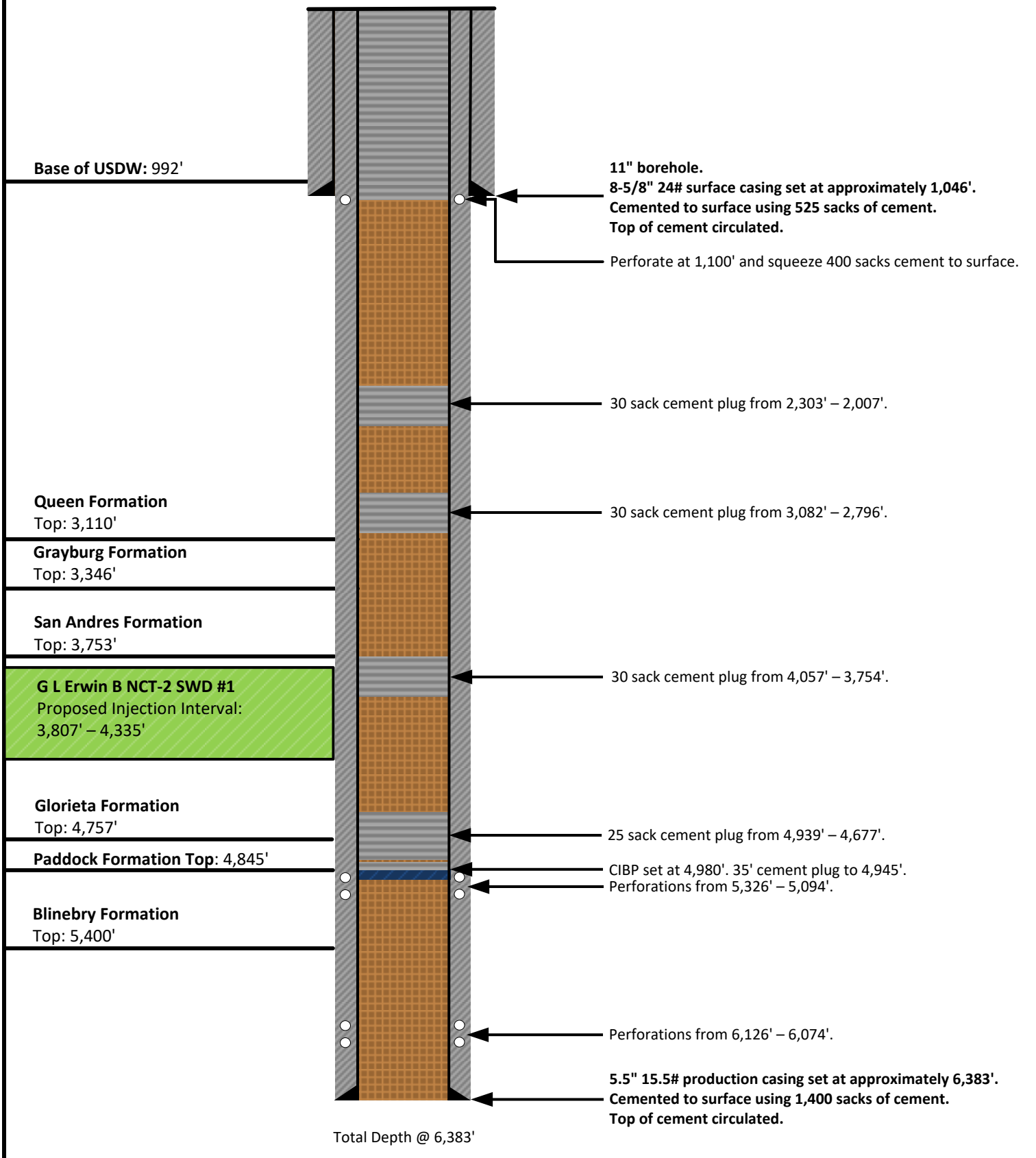
Prepared for:
SCOUT ENERGY PARTNERS

Drawn by: Reed Davis

Project Manager: Oliver Seekins

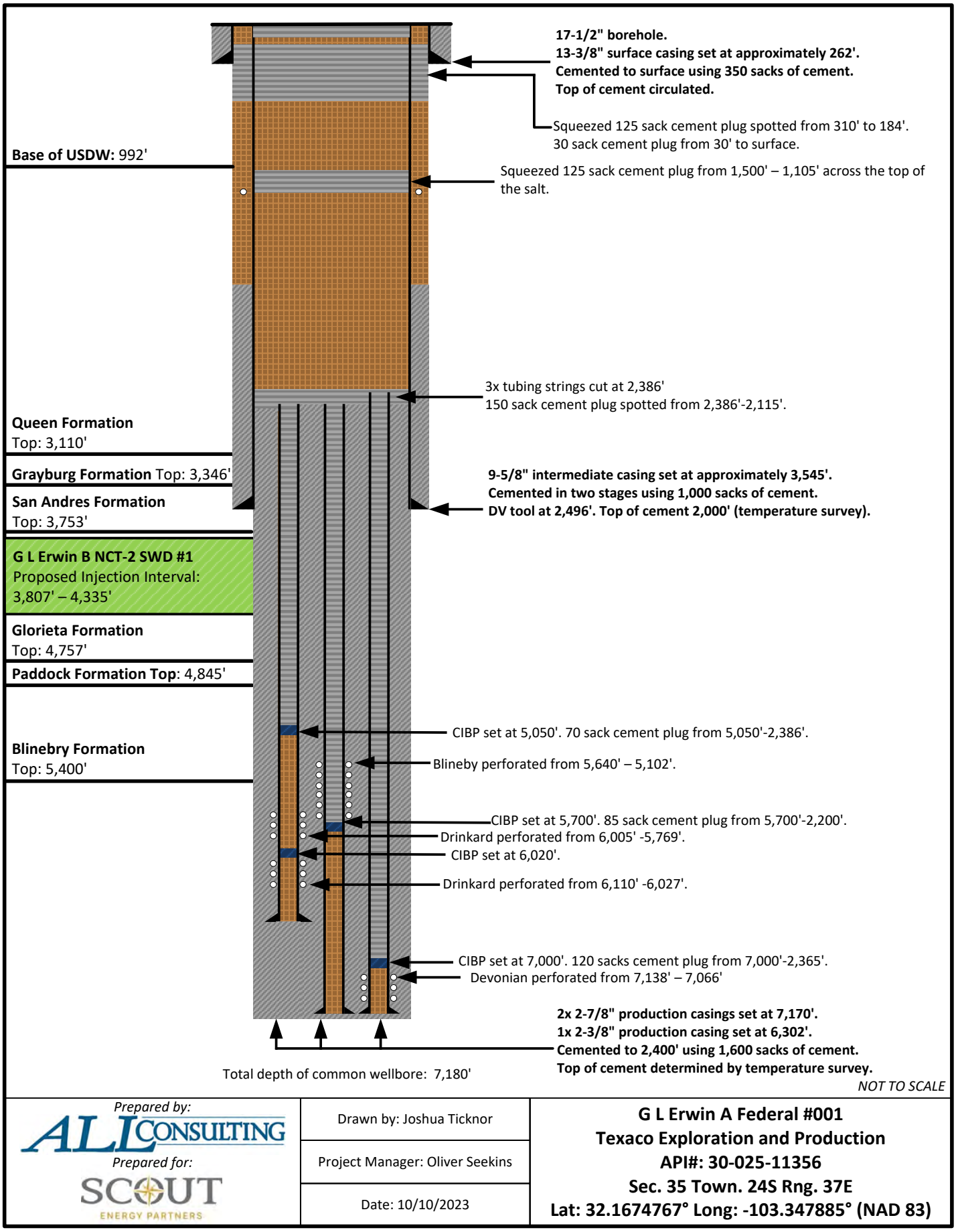
Date: 10/10/2023

Erwin B Federal NCT-2 #004
Chevron U S A Inc
API#: 30-025-11358
Sec. 35 Town. 24S Rng. 37E
Lat: 32.1674767° Long: -103.1305389° (NAD 83)

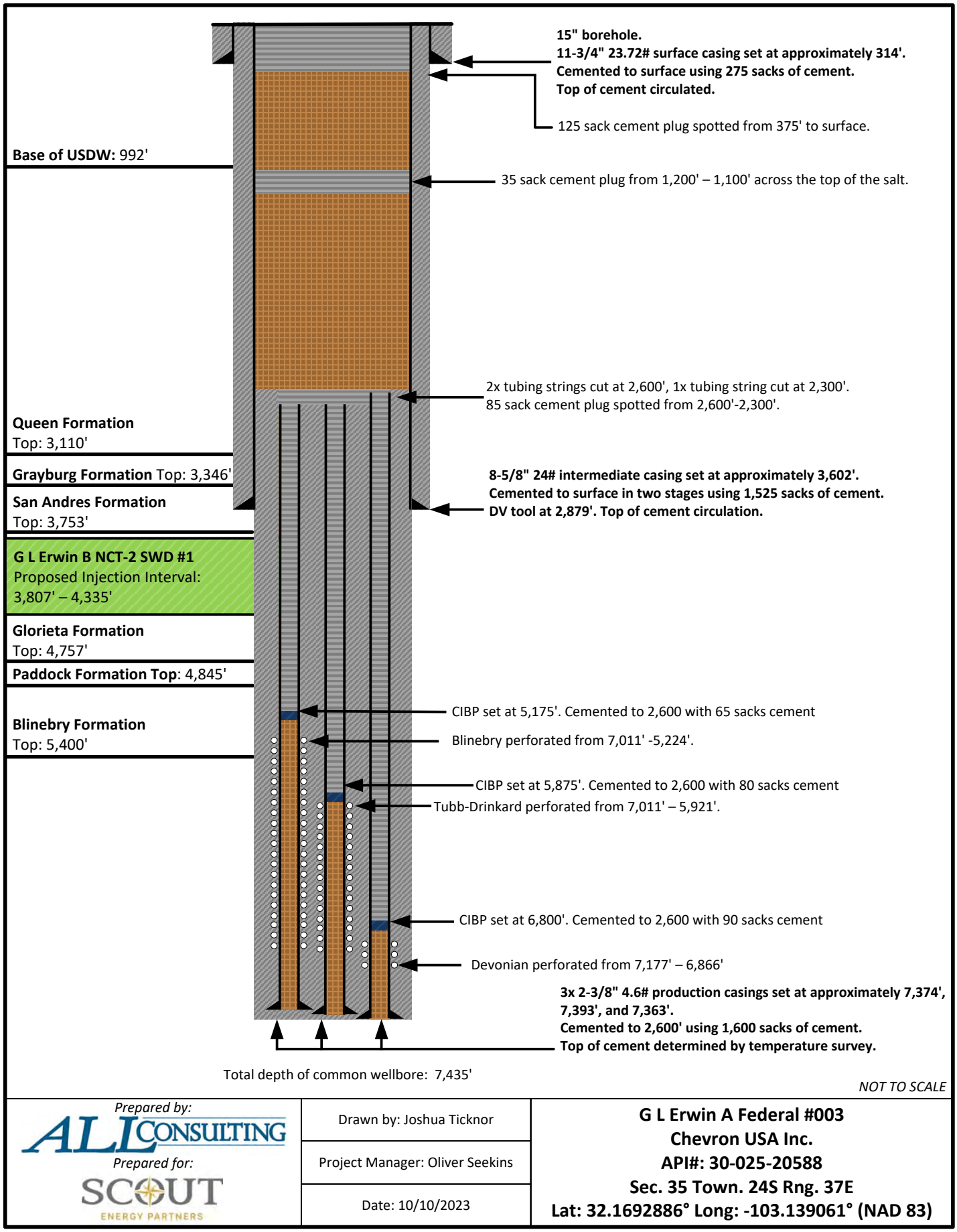


NOT TO SCALE

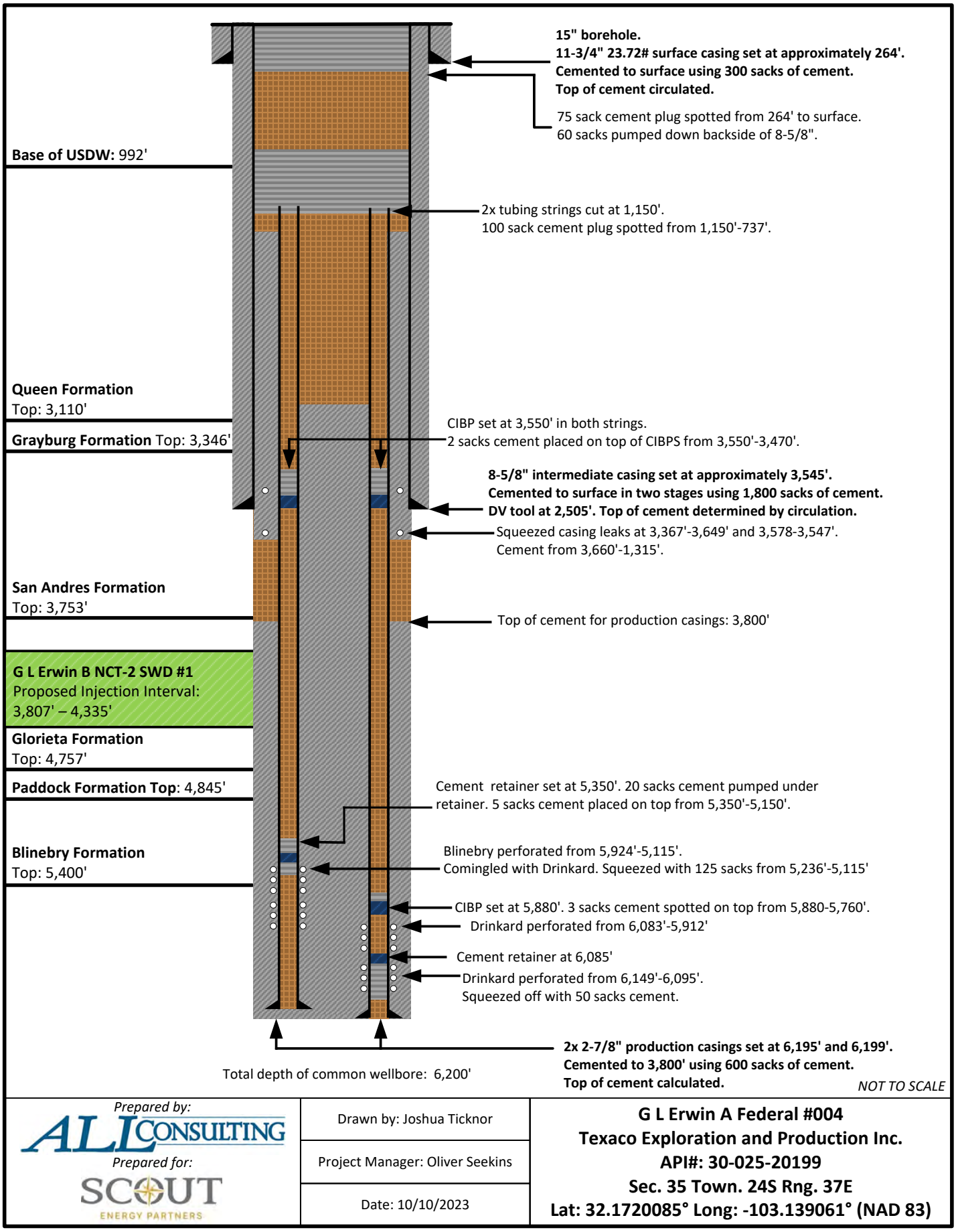
Prepared by: ALL CONSULTING *Prepared for:* SCOUT ENERGY PARTNERS	Drawn by: Reed Davis Project Manager: Oliver Seekins Date: 10/09/2023	**GL Erwin B Federal NCT-2 #010** **Chevron U S A Inc** **API#: 30-025-33803** **Sec. 35 Town. 24S Rng. 37E** **Lat: 32.1733055° Long: -103.129158° (NAD 83)**



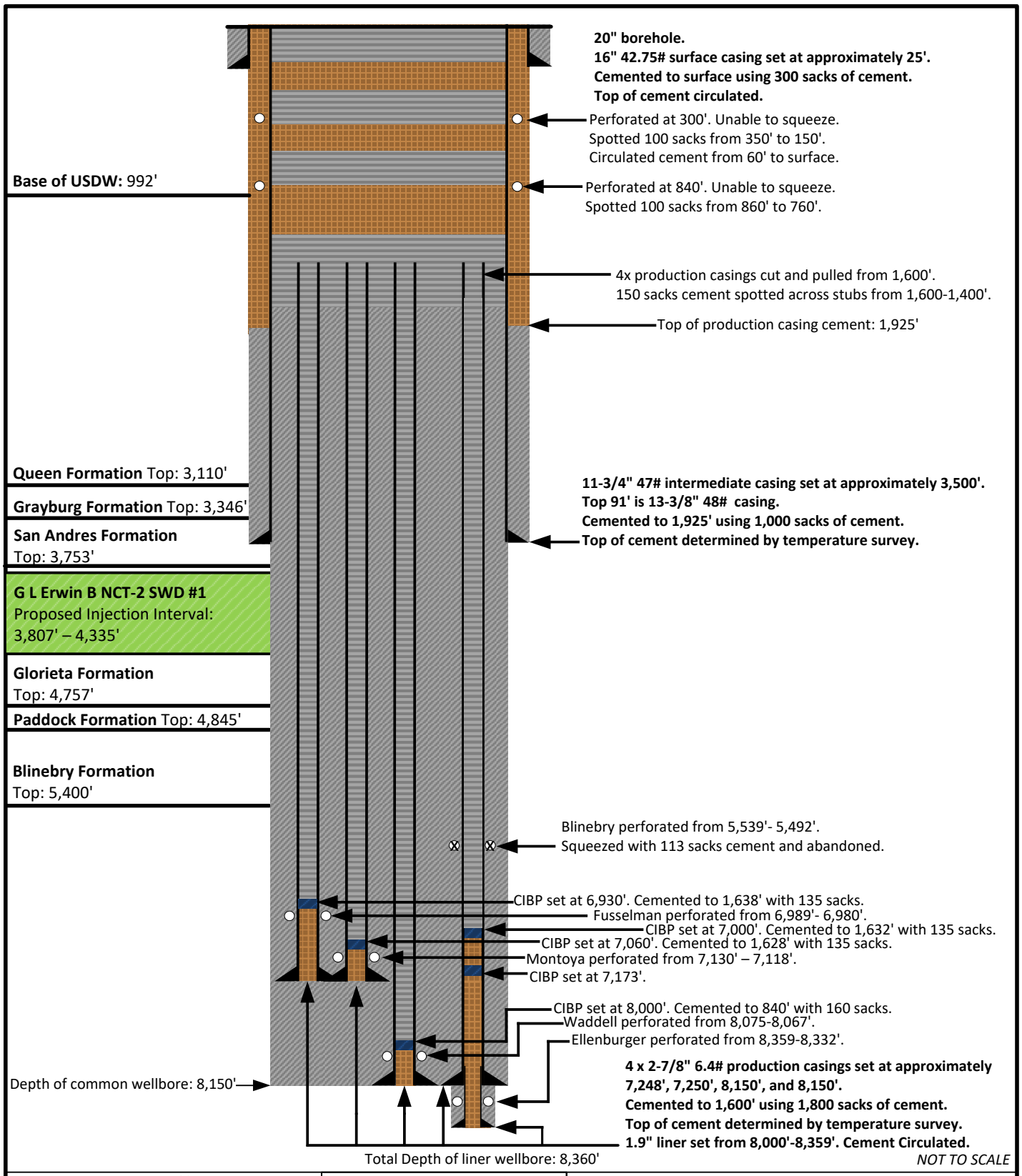
Prepared by: ALL CONSULTING Prepared for: SCOUT ENERGY PARTNERS	Drawn by: Joshua Ticknor Project Manager: Oliver Seekins Date: 10/10/2023	**G L Erwin A Federal #001** **Texaco Exploration and Production** **API#: 30-025-11356** **Sec. 35 Town. 24S Rng. 37E** **Lat: 32.1674767° Long: -103.347885° (NAD 83)**



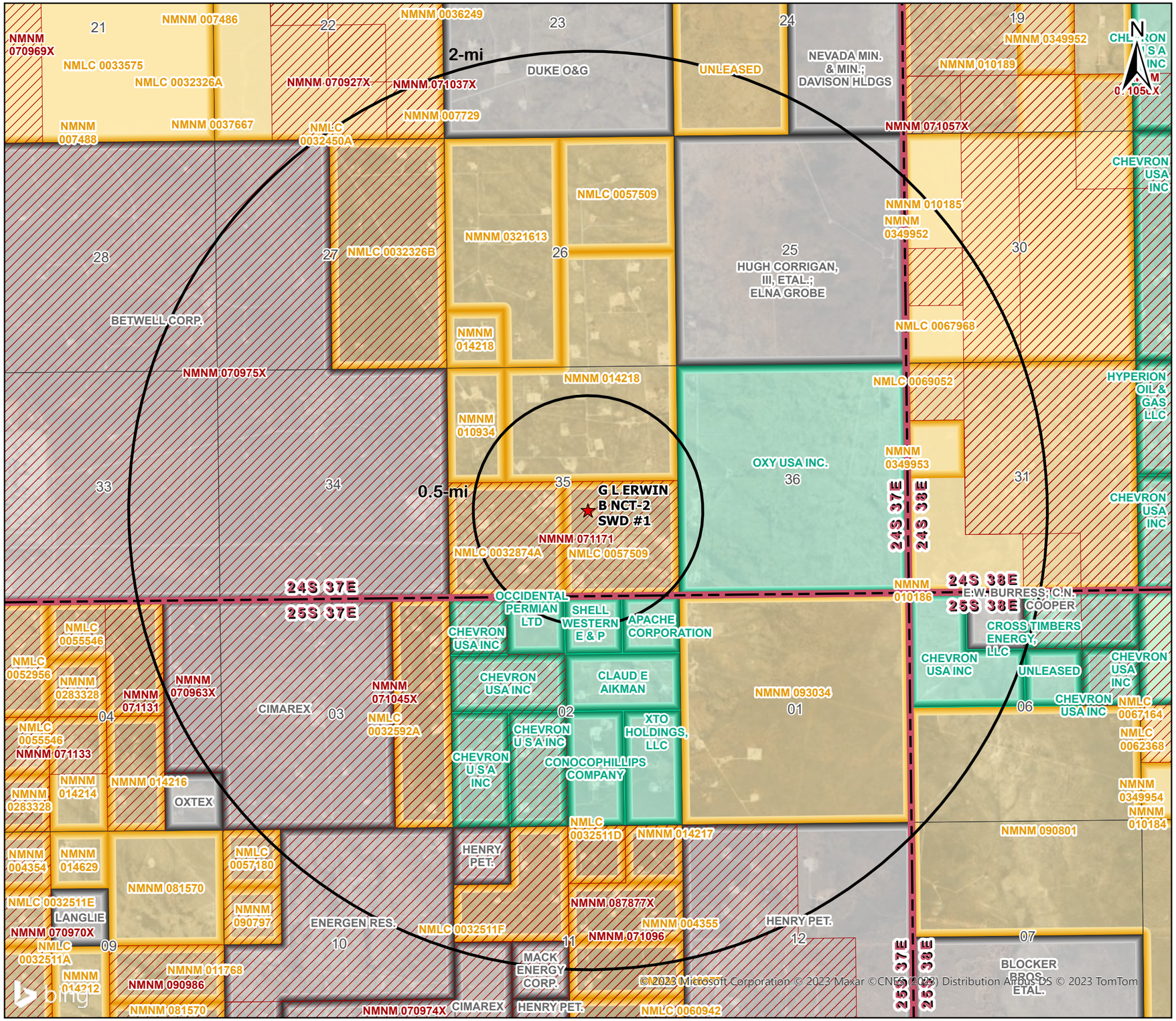
Prepared by: ALL CONSULTING Prepared for: SCOUT ENERGY PARTNERS	Drawn by: Joshua Ticknor Project Manager: Oliver Seekins Date: 10/10/2023	**G L Erwin A Federal #003** **Chevron USA Inc.** **API#: 30-025-20588** **Sec. 35 Town. 24S Rng. 37E** **Lat: 32.1692886° Long: -103.139061° (NAD 83)**



Prepared by: ALL CONSULTING Prepared for: SCOUT ENERGY PARTNERS	Drawn by: Joshua Ticknor Project Manager: Oliver Seekins Date: 10/10/2023	**G L Erwin A Federal #004** **Texaco Exploration and Production Inc.** **API#: 30-025-20199** **Sec. 35 Town. 24S Rng. 37E** **Lat: 32.1720085° Long: -103.139061° (NAD 83)**



Prepared by: ALL CONSULTING Prepared for: SCOUT ENERGY PARTNERS	Drawn by: Joshua Ticknor Project Manager: Oliver Seekins Date: 10/11/2023	**Erwin B Federal NCT-2 #005** **Chevron USA Inc.** **API#: 30-025-11365** **Sec. 35 Town. 24S Rng. 37E** **Lat: 32.1674805° Long: -103.1262665° (NAD 83)**



Legend

- Proposed SWD
- BLM Communitization Units
- NMSLO Mineral Leases
- Private Mineral Leases
- BLM Authorized O&G Leases

1/2-mile AOR Lessees/Unit Operators:

- Chevron USA Holdings Inc (BLM Unit Operator/Lessee)
- McDonald Operating Inc (BLM Lessee)
- Chevron USA Inc (BLM Lessee)
- Oxy USA Inc (NMSLO Lessee)
- Occidental Permian Ltd (NMSLO Lessee)
- Shell Western E & P (NMSLO Lessee)
- Apache Corporation (NMSLO 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

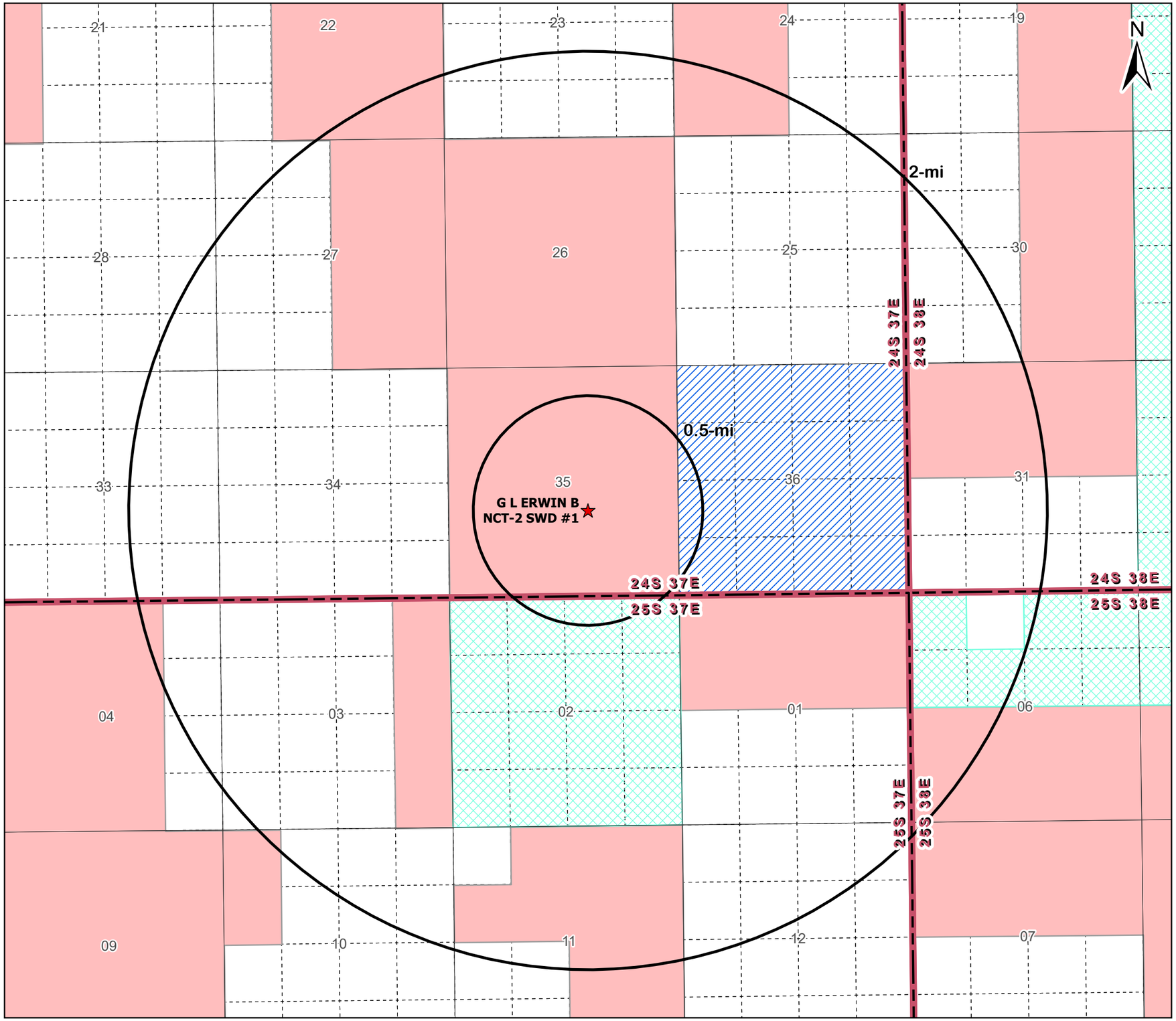
G L ERWIN B NCT-2 SWD #1

Lea County, New Mexico

Proj Mgr: Oliver Seekins	October 19, 2023	Mapped by: Ben Bockelmann

Prepared for: SCOUT

Prepared by: ALL CONSULTING



Legend

- Proposed SWD
- Private minerals
- Subsurface minerals (NMSLO)
- Surface and Subsurface minerals (NMSLO)
- All minerals are owned by U.S. (BLM)

Mineral Ownership AOR

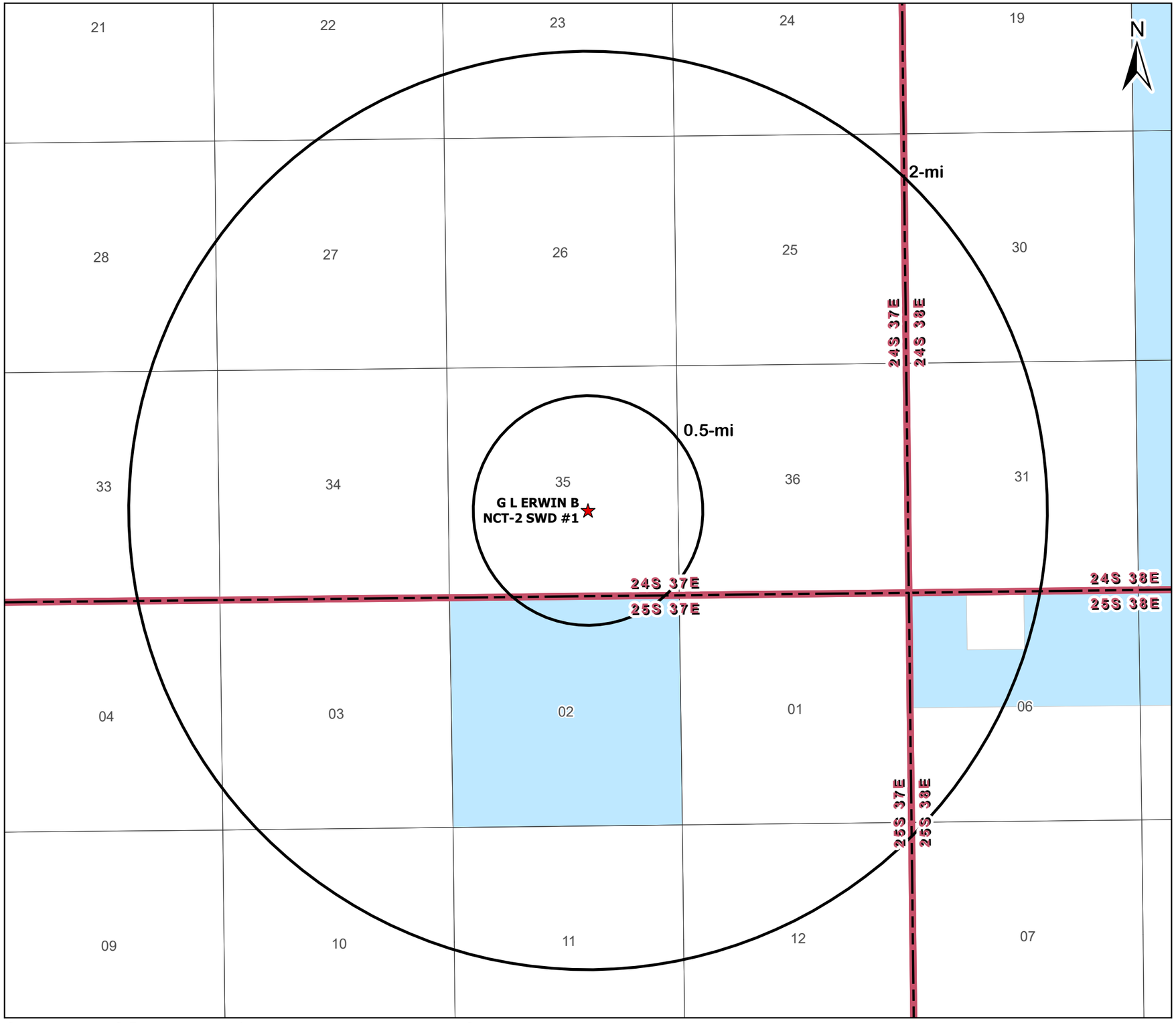
G L ERWIN B NCT-2 SWD #1

Lea County, New Mexico

Proj Mgr: Oliver Seekins	October 19, 2023	Mapped by: Ben Bockelmann

Prepared for: SCOUT

Prepared by: ALL CONSULTING



Legend

★ Proposed SWD

Surface Ownership

Private

State

Surface Ownership AOR

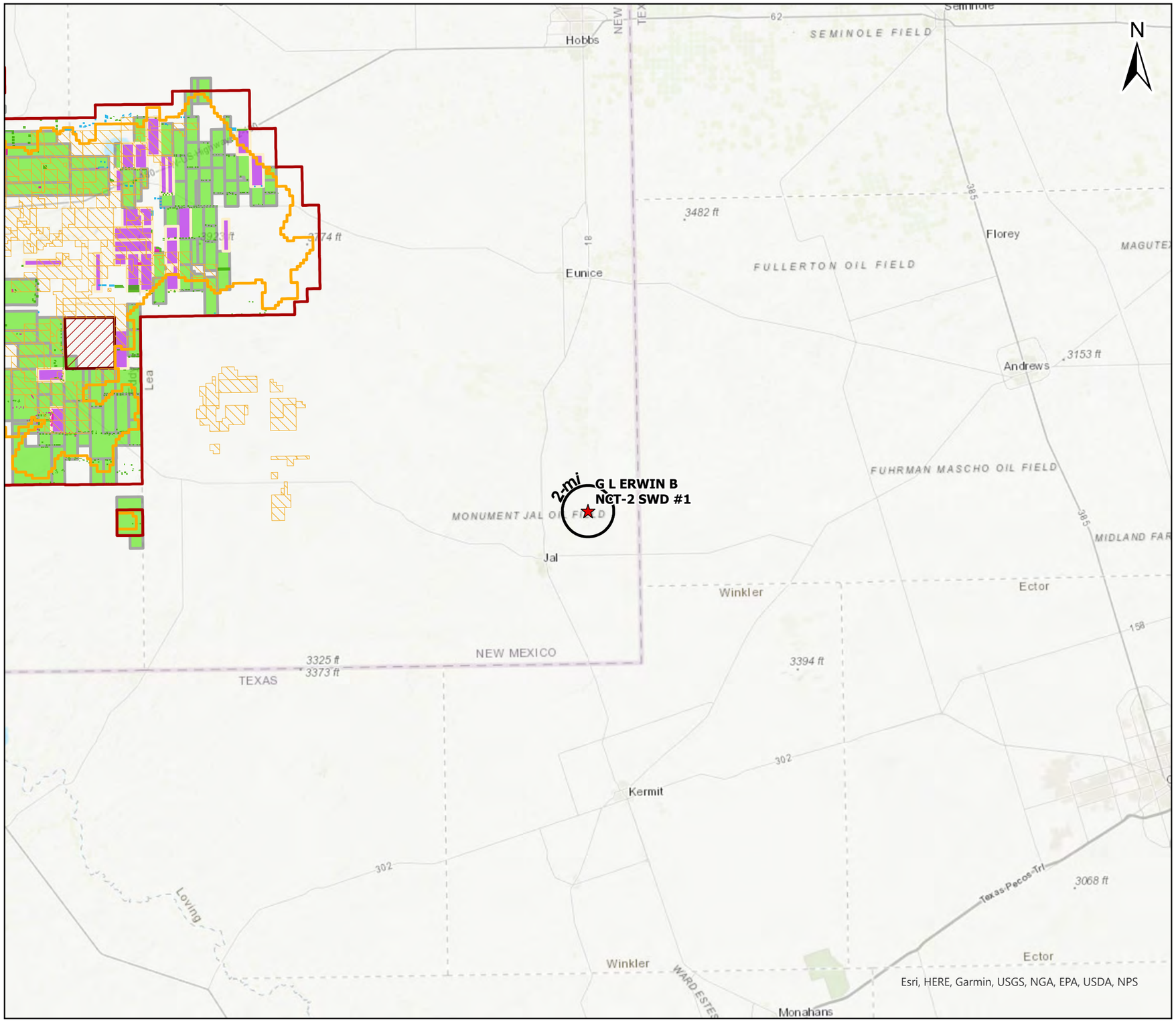
G L ERWIN B NCT-2 SWD #1

Lea County, New Mexico

Proj Mgr: Oliver Seekins	October 19, 2023	Mapped by: Ben Bockelmann

Prepared for: SCOUT

Prepared by: ALL CONSULTING



Legend

- Proposed SWD
- SOPA 1986
- Known Potash Leasing Area
- Potash Leases
- WIPP Facility

Drill Islands

Status, Depth Buffer

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

Development Areas

Status

- Approved
- Pending

Potash AOR Map

G L ERWIN B NCT-2 SWD #1

Lea County, New Mexico

Proj Mgr: Oliver Seekins	October 19, 2023	Mapped by: Ben Bockelmann

Prepared for: SCOUT

Prepared by: ALL CONSULTING

Attachment 3

Source Water Analysis

Source Water Analysis

Scout Energy Management LLC - G L Erwin B NCT-2 SWD #1

Well Name	API	Latitude	Longitude	Section	Township	Range	Unit	Ftgns	Ftgew	County	State	Field	Formation	TDS (mg/L)	Chloride (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)
C C FRISTOE B FEDERAL NCT 2 #009	3002520930	32.17873	-103.1369247	35	24S	37E	C	852N	1650W	LEA	NM	JUSTIS NORTH	GLORIETA	131,246	76,020	1,553	4,702
G L ERWIN B FEDERAL NCT-2 #001	3002511362	32.1683846	-103.1273346	35	24S	37E	P	660S	660E	LEA	NM	JUSTIS NORTH	PADDOCK	20,221	10,400	298	2,000
G L ERWIN B FEDERAL NCT-2 #001	3002511362	32.1683846	-103.1273346	35	24S	37E	P	660S	660E	LEA	NM	JUSTIS NORTH	ELLENBURGER	61,927	34,300	400	4,000
G L ERWIN B FEDERAL NCT-2 #005	3002511365	32.1674805	-103.1262665	35	24S	37E	P	330S	330E	LEA	NM	JUSTIS NORTH	ELLENBURGER	62,460	35,500	300	2,850
G L ERWIN A FEDERAL #004	3002520199	32.1720085	-103.139061	35	24S	37E	L	1980S	990W	LEA	NM	JUSTIS NORTH	DRINKARD	190,002	116,000	732	1,000
G L ERWIN A FEDERAL #004	3002520199	32.1720085	-103.139061	35	24S	37E	L	1980S	990W	LEA	NM	JUSTIS NORTH	BLINEBRY	160,876	99,600	506	1,000
W A RAMSAY NCT C #003	3002511374	32.1711082	-103.1241379	36	24S	37E	L	1650S	330W	LEA	NM	JUSTIS	TUBB/DRINKARD	122,553	71,400	178	3,800
STATE NJ A #001	3002511398	32.1647491	-103.1273346	2	25S	37E	A	663N	660E	LEA	NM	JUSTIS NORTH	DEVONIAN	105,350	59,300	660	4,950
NEW MEXICO BZ STATE NCT-10 #002	3002520003	32.1547737	-103.1358109	2	25S	37E	N	990S	1978W	LEA	NM	JUSTIS	BLINEBRY	104,658	63,820	975	2,592
HODGES B #003	3002511383	32.1572266	-103.124115	1	25S	37E	L	1880S	330W	LEA	NM	JUSTIS	TUBB/DRINKARD	191,505	117,400	237	1,637

Attachment 4

Injection Formation Water Analysis

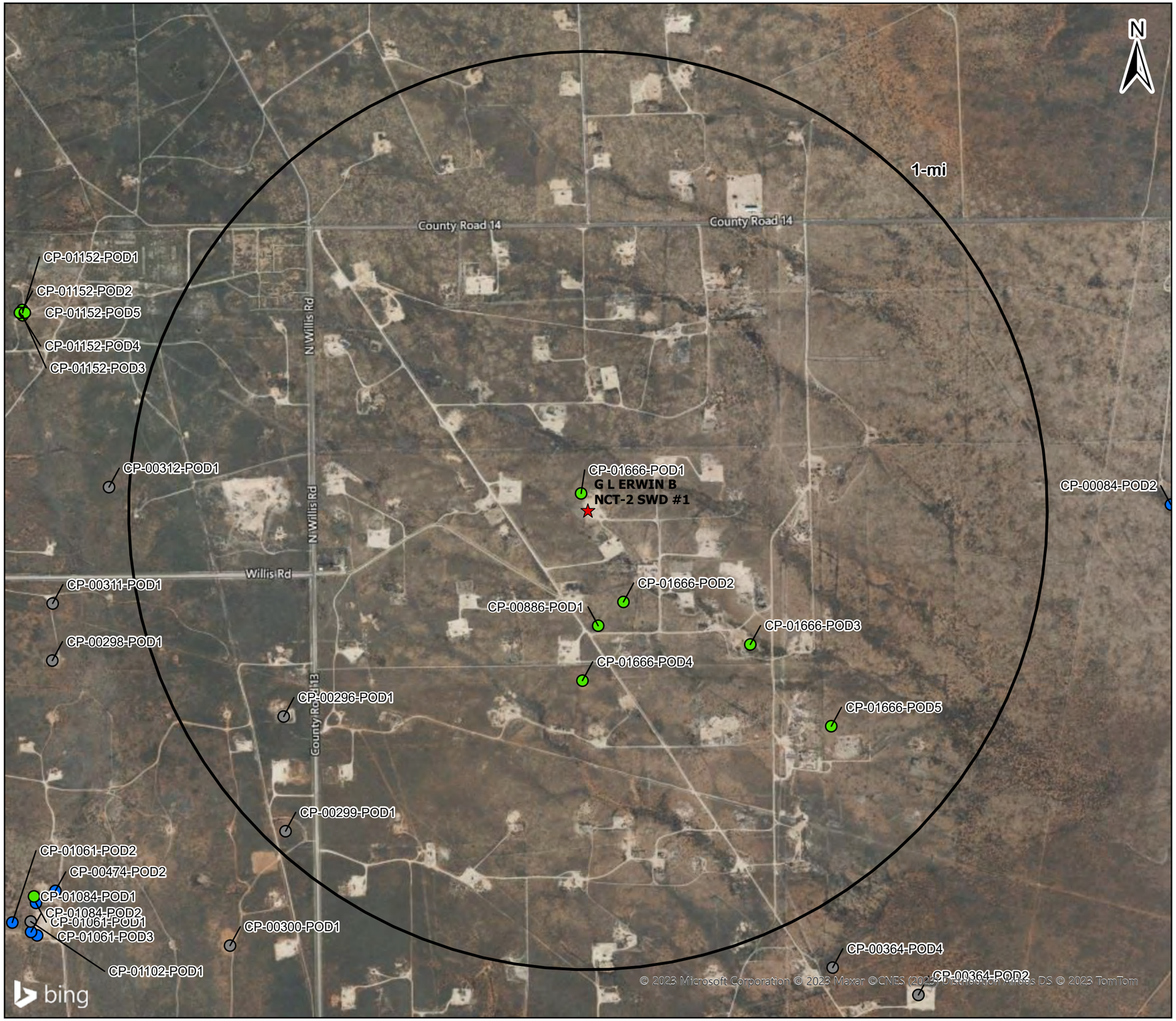
Injection Formation Water Analysis

Scout Energy Management LLC - G L Erwin B NCT-2 SWD #1

Well Name	API	Latitude	Longitude	Section	Township	Range	Unit	Ftgns	Ftgew	County	State	Field	Formation	TDS (mg/L)	Chloride (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)
BRADLEY FEDERAL #006	3001500386	32.2292252	-104.2584076	11	24S	26E	I	1650S	990E	EDDY	NM	HOBBS	SAN ANDRES	10,492	5,070	618	413
BRADLEY #007	3001500385	32.2274513	-104.2605133	11	24S	26E	O	990S	1650E	EDDY	NM	HOBBS	SAN ANDRES	6,811	2,948	429	887
E M E SWD #008	3002506017	32.5895042	-103.2725601	8	20S	37E	G	1980N	2310E	LEA	NM	MONUMENT	SAN ANDRES	65,361	36,900	560	1,460
EUNICE MONUMENT UNIT #031	3002506169	32.5531693	-103.2843781	19	20S	37E	P	660S	660E	LEA	NM	EUNICE	SAN ANDRES	91,120	59,850	-	722
SIMMONS #001	3002510070	32.4232674	-103.1821976	5	22S	37E	G	1760N	1760E	LEA	NM	EUNICE SOUTHWEST	SAN ANDRES	78,653	46,510	580	2,184
C P FALBY B FEDERAL #004	3002510106	32.4045296	-103.1914597	8	22S	37E	L	1980S	660W	LEA	NM	CARY	SAN ANDRES	80,540	43,500	755	5,950
C P FALBY A FEDERAL #004	3002510120	32.4081345	-103.1914673	8	22S	37E	E	1980N	660W	LEA	NM	EUNICE SOUTHWEST	SAN ANDRES	10,925	5,312	1,620	201
PENROSE #002	3002510146	32.4078712	-103.1739807	9	22S	37E	E	2086N	776W	LEA	NM	EUNICE SOUTHWEST	SAN ANDRES	64,895	38,010	488	2,100
LOU WORTHAM #020	3002510216	32.411808	-103.1401749	11	22S	37E	D	660N	660W	LEA	NM	EUNICE SOUTH	SAN ANDRES	10,947	6,527	20	236
LOU WORTHAM #005	3002523606	32.4109001	-103.1369629	11	22S	37E	C	990N	1650W	LEA	NM	EUNICE SOUTH	SAN ANDRES	18,587	9,460	13	2,518
LOU WORTHAM #006	3002523756	32.4072723	-103.1410828	11	22S	37E	E	2310N	380W	LEA	NM	EUNICE SOUTH	SAN ANDRES	9,192	4,443	12	1,491
EUNICE KING #024	3002506864	32.4513855	-103.1740341	28	21S	37E	E	2086N	760W	LEA	NM	SWD	SAN ANDRES	97,871	57,350	223	3,405
EUNICE KING #024	3002506864	32.4513855	-103.1740341	28	21S	37E	E	2086N	760W	LEA	NM	SWD	SAN ANDRES	57,304	31,970	618	3,301
HUGH COI #013	3002523275	32.3982162	-103.1396637	14	22S	37E	D	330N	820W	LEA	NM	EUNICE SOUTH	SAN ANDRES	14,215	6,495	2,529	191
HOWSE B #001	3002507764	32.5821228	-103.1129684	11	20S	38E	P	660S	660E	LEA	NM	HOUSE	SAN ANDRES	76,990	47,590	259	569

Attachment 5

- Water Well Map
- Well Data
- Water Sampling results



Legend

- Proposed SWD (1)

OSE PODs

Status

- Active (6)
- Pending (12)
- Change Location of Well (0)
- Capped (0)
- Plugged (0)
- Incomplete (0)
- Unknown (9)

Source Info: NMOSE PODs updated 9/21/2023
(https://geospatialdata-ose.opendata.arcgis.com/search?collection=Dataset)

Water Wells AOR Layout

G L ERWIN B NCT-2 SWD #1

Lea County, New Mexico

Proj Mgr: Oliver Seekins	October 19, 2023	Mapped by: Ben Bockelmann

Prepared for: SCOUT

Prepared by: ALL CONSULTING

Water Well Sampling Rationale

Scout Energy Partners - G L Erwin NCT-2 SWD #1

Water Wells	Owner	Available Contact Information	Use	Location	Sampling Required	Notes
CP-00296-POD1	Becky Jo Doom	Becky Jo Doom 505-395-2877	COMMERCIAL	32.165610, -103.143307 3-25S-37E	No	Well is not currently active and does not meet the sampling requirements.
CP-00299-POD1	Martin Willis	Martin Willis 575-631-8752	DOMESTIC/LIVESTOCK	32.161984, -103.143285 3-25S-37E	Yes	Samples collected on October 26, 2023.
CP-00886-POD1	CHEVRON USA INC	MATT HUDSON (432) 687-7561 (W) (281) 460-6521 (H)	POLLUTION CONTROL	32.168369, -103.131587 35-24S-37E	NO	Cannot produce water by law.
CP-01666-POD1	CHEVRON ENVIRO MGMT CO	KEGAN BOYER (713) 372-7705 (W) kegan.boyer@chevron.com	MONITORING	32.172556, -103.132167 35-24S-37E	NO	Cannot produce water by law.
CP-01666-POD2	CHEVRON ENVIRO MGMT CO	KEGAN BOYER (713) 372-7705 (W) kegan.boyer@chevron.com	MONITORING	32.169111, -103.130639 35-24S-37E	NO	Cannot produce water by law.
CP-01666-POD3	CHEVRON ENVIRO MGMT CO	KEGAN BOYER (713) 372-7705 (W) kegan.boyer@chevron.com	MONITORING	32.167722, -103.125945 35-24S-37E	NO	Cannot produce water by law.
CP-01666-POD4	CHEVRON ENVIRO MGMT CO	KEGAN BOYER (713) 372-7705 (W) kegan.boyer@chevron.com	MONITORING	32.166639, -103.132195 35-24S-37E	NO	Cannot produce water by law.
CP-01666-POD5	CHEVRON ENVIRO MGMT CO	KEGAN BOYER (713) 372-7705 (W) kegan.boyer@chevron.com	MONITORING	32.165111, -103.122972 1-25S-37E	NO	Cannot produce water by law.

DownHole SAT™ Water Analysis Report

French Creek Software

SYSTEM IDENTIFICATION

Chem Tech Services
Scout Energy
West Dollarhide Drinkard Unit
Rancher Water Well Outbound

Sample ID#: 0
ID 2023-10-25-288

Sample Date: 10-26-2023 at 2216
Report Date: 10-26-2023

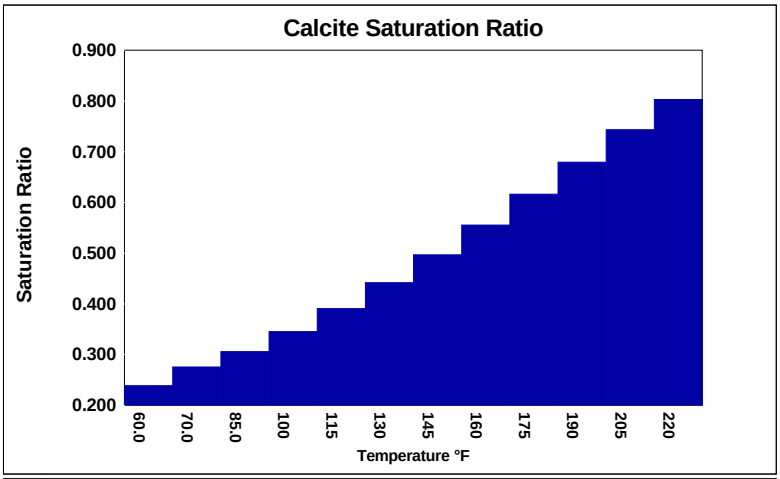
WATER CHEMISTRY

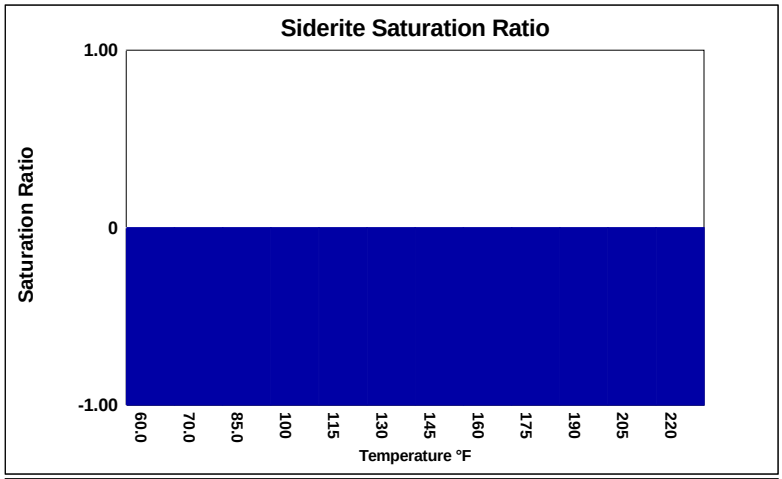
CATIONS		ANIONS	
Calcium(as Ca)	82.70	Chloride(as Cl)	146.94
Magnesium(as Mg)	34.80	Sulfate(as SO_4)	178.00
Barium(as Ba)	0.00	Dissolved CO_2(as CO_2)	43.00
Strontium(as Sr)	1.90	Bicarbonate(as HCO_3)	254.90
Sodium(as Na)	94.70	H_2S (as H_2S)	4.60
Potassium(as K)	5.90	Boron(as B)	0.200
Lithium(as Li)	0.100		
Iron(as Fe)	0.00		
Manganese(as Mn)	0.00		
Zinc(as Zn)	0.00		
PARAMETERS			
Temperature(°F)	77.00	Sample pH	6.92
Conductivity	1109	Sp.Gr.(g/mL)	1.001
Resistivity	901.90	T.D.S.	810.83

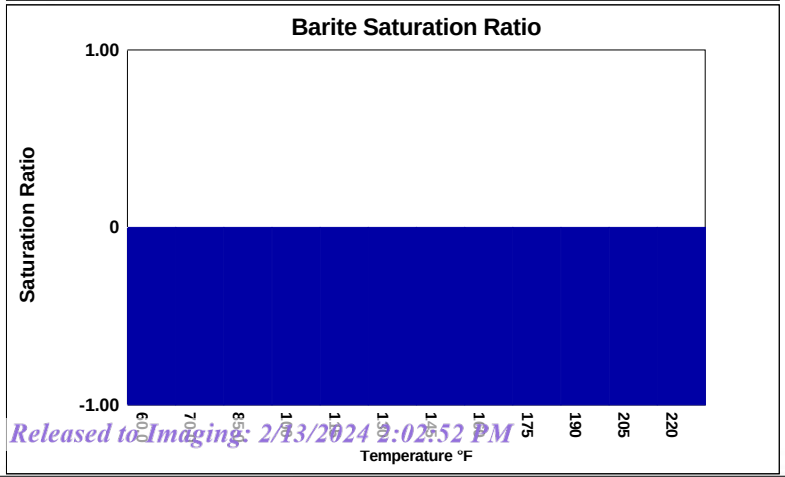
SCALE AND CORROSION POTENTIAL

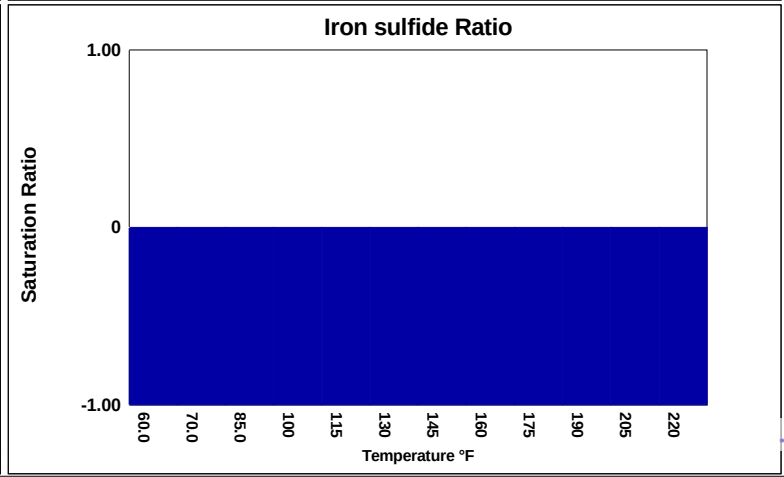
Temp. (°F)	Press. (psia)	Calcite $CaCO_3$		Anhydrite $CaSO_4$		Gypsum $CaSO_4*2H_2O$		Barite $BaSO_4$		Celestite $SrSO_4$		Siderite $FeCO_3$		Mackinawite FeS		CO_2 (mpy)	pCO_2 (atm)
60.00	14.70	0.239	-0.190	0.0236	-438.41	0.0417	-350.75	0.00	-0.0101	0.0540	-20.01	0.00	-0.0718	0.00	-0.0161	0.0783	0.0241
70.00	15.00	0.275	-0.164	0.0236	-434.02	0.0403	-354.50	0.00	-0.0129	0.0533	-20.19	0.00	-0.0629	0.00	-0.0190	0.0778	0.0246
85.00	38.50	0.306	-0.138	0.0245	-417.60	0.0389	-357.15	0.00	-0.0180	0.0541	-19.85	0.00	-0.0538	0.00	-0.0108	0.177	0.0631
100.00	62.00	0.345	-0.116	0.0267	-390.73	0.0382	-355.85	0.00	-0.0239	0.0564	-19.07	0.00	-0.0459	0.00	-0.00884	0.291	0.102
115.00	85.50	0.391	-0.0958	0.0304	-356.35	0.0420	-330.32	0.00	-0.0306	0.0592	-18.17	0.00	-0.0391	0.00	-0.00801	0.333	0.140
130.00	109.00	0.442	-0.0789	0.0358	-317.34	0.0472	-302.12	0.00	-0.0388	0.0619	-17.39	0.00	-0.0334	0.00	-0.00763	0.317	0.179
145.00	132.50	0.497	-0.0643	0.0436	-276.24	0.0525	-277.57	0.00	-0.0488	0.0642	-16.73	0.00	-0.0286	0.00	-0.00746	0.301	0.217
160.00	156.00	0.555	-0.0517	0.0546	-235.12	0.0580	-256.10	0.00	-0.0609	0.0664	-16.17	0.00	-0.0246	0.00	-0.00740	0.344	0.256
175.00	179.50	0.616	-0.0408	0.0703	-195.57	0.0635	-237.26	0.00	-0.0754	0.0683	-15.69	0.00	-0.0212	0.00	-0.00743	0.387	0.294
190.00	203.00	0.679	-0.0314	0.0927	-158.69	0.0691	-220.71	0.00	-0.0927	0.0699	-15.29	0.00	-0.0184	0.00	-0.00750	0.198	0.333
205.00	226.50	0.743	-0.0233	0.125	-125.17	0.0746	-206.12	0.00	-0.113	0.0713	-14.96	0.00	-0.0161	0.00	-0.00761	0.190	0.371
220.00	250.00	0.803	-0.0168	0.170	-96.04	0.0796	-194.45	0.00	-0.139	0.0719	-14.79	0.00	-0.0142	0.00	-0.00782	0.248	0.410
		xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels		

Saturation Ratios (xSAT) are the ratio of ion activity to solubility, e.g. $\{Ca\}\{CO_3\}/K_{sp}$. pCO_2 (atm) is the partial pressure of CO_2 in the gas phase.
Lbs/1000 Barrels scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.









DownHole SAT(tm)

SURFACE WATER CHEMISTRY INPUT

Chem Tech Services
West Dollarhide Drinkard Unit

Scout Energy
Rancher Water Well Outbound

Report Date: 10-26-2023
Sample #: 0

Sampled: 10-26-2023 at 2216
Sample ID: 2023-10-25-288

CATIONS	
Calcium (as Ca)	82.70
Magnesium (as Mg)	34.80
Barium (as Ba)	0.00
Strontium (as Sr)	1.90
Sodium (as Na)	94.70
Potassium (as K)	5.90
Lithium (as Li)	0.100
Iron (as Fe)	0.00
Manganese (as Mn)	0.00
Zinc (as Zn)	0.00

ANIONS	
Chloride (as Cl)	146.94
Sulfate (as SO_4)	178.00
Dissolved CO_2 (as CO_2)	43.00
Bicarbonate (as HCO_3)	254.90
H_2S (as H_2S)	4.60
Boron (as B)	0.200

PARAMETERS	
Calculated T.D.S.	810.83
Molar Conductivity	1109
Resistivity	901.90
Sp.Gr.(g/mL)	1.001
Pressure(psia)	15.00
Temperature (^oF)	77.00
pH	6.92

BOUND IONS	TOTAL	FREE
Calcium	82.78	72.27
Barium	0.00	0.00
Carbonate	0.300	0.112
Phosphate	0.00	0.00
Sulfate	178.18	144.72

CORROSION RATE PREDICTION

CO_2 - H_2S Rate(mpy) 0.0918

FRENCH CREEK SOFTWARE, INC.
1220 VALLEY FORGE ROAD, SUITE 21, VALLEY FORGE, PA 19460

DownHole SAT(tm)

SURFACE WATER
DEPOSITION POTENTIAL INDICATORS

Chem Tech Services	Scout Energy
West Dollarhide Drinkard Unit	Rancher Water Well Outbound

Report Date:	10-26-2023	Sampled:	10-26-2023 at 2216
Sample #:	0	Sample ID:	2023-10-25-288

SATURATION RATIO as IAP/Ksp		FREE ION MOMENTARY EXCESS (Lbs/1000 Barrels)	
Calcite ($CaCO_3$)	0.30	Calcite ($CaCO_3$)	-0.148
Aragonite ($CaCO_3$)	0.28	Aragonite ($CaCO_3$)	-0.165
Witherite ($BaCO_3$)	0.00	Witherite ($BaCO_3$)	-5.75
Strontianite ($SrCO_3$)	0.03	Strontianite ($SrCO_3$)	-1.38
Calcium oxalate (CaC_2O_4)	0.00	Calcium oxalate (CaC_2O_4)	-0.109
Magnesite ($MgCO_3$)	0.10	Magnesite ($MgCO_3$)	-0.491
Anhydrite ($CaSO_4$)	0.02	Anhydrite ($CaSO_4$)	-427.45
Gypsum ($CaSO_4*2H_2O$)	0.04	Gypsum ($CaSO_4*2H_2O$)	-355.96
Barite ($BaSO_4$)	0.00	Barite ($BaSO_4$)	-0.0152
Celestite ($SrSO_4$)	0.05	Celestite ($SrSO_4$)	-20.08
Fluorite (CaF_2)	0.00	Fluorite (CaF_2)	-12.32
Calcium phosphate	0.00	Calcium phosphate	>-0.001
Hydroxyapatite	0.00	Hydroxyapatite	-154.08
Silica (SiO_2)	0.00	Silica (SiO_2)	-42.00
Brucite ($Mg(OH)_2$)	< 0.001	Brucite ($Mg(OH)_2$)	-1.01
Magnesium silicate	0.00	Magnesium silicate	-70.97
Iron hydroxide ($Fe(OH)_3$)	0.00	Iron hydroxide ($Fe(OH)_3$)	-0.147
Strengite ($FePO_4*2H_2O$)	0.00	Strengite ($FePO_4*2H_2O$)	>-0.001
Siderite ($FeCO_3$)	0.00	Siderite ($FeCO_3$)	-0.0574
Halite (NaCl)	0.00	Halite (NaCl)	-142117
Thenardite ($Na2SO_4$)	0.00	Thenardite ($Na2SO_4$)	-34684
Iron sulfide (FeS)	0.00	Iron sulfide (FeS)	-0.0213

SIMPLE INDICES		CARBONATE PRECIPITATION POTENTIAL (Lbs/1000 Barrels)	
Langelier	-0.448	Calcite ($CaCO_3$)	-11.58
Ryznar	7.82	Aragonite ($CaCO_3$)	-12.40
Puckorius	6.92	Witherite ($BaCO_3$)	0.00
Larson-Skold Index	2.29	Strontianite ($SrCO_3$)	-10.65
Stiff Davis Index	-0.684	Magnesite ($MgCO_3$)	-20.88
Oddo-Tomson	-0.496	Siderite ($FeCO_3$)	0.00

OPERATING CONDITIONS

Temperature (^oF)	77.00
Time(mins)	3.00

FRENCH CREEK SOFTWARE, INC.
1220 VALLEY FORGE ROAD, SUITE 21, VALLEY FORGE, PA 19460

Attachment 6

No Hydrologic Connection Statement

RE: Scout Energy Management LLC – G L Erwin B Federal NCT-2 #012 Drill Deeper SWD #1 application, Lea County, New Mexico

ALL Consulting LLC (ALL) has performed a thorough hydrologic investigation related to the proposed deepening of the well listed above to saltwater disposal in the San Andres Formation. The investigation was conducted to determine if there were any existing or potential connections between the proposed injection intervals in the San Andres Formation 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 Lea County, New Mexico. Based on ALL's assessment and analysis there is containment through multiple confining zones above the San Andres Formation and the USDW and over 2,865 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 San Andres Formation.

Tom Tomastik 9/22/2023

Tom Tomastik Date

Chief Geologist and Regulatory Specialist

ALL Consulting LLC

Attachment 7

Public Notice Affidavit and Notice of Application Confirmations

APPLICATION FOR AUTHORIZATION TO INJECT

NOTICE IS HEREBY GIVEN: That Scout Energy Management, LLC, 13800 Montford Road, Suite 100, Dallas, TX 75240, is requesting that the New Mexico Oil Conservation Division administratively approve the APPLICATION FOR AUTHORIZATION TO INJECT as follows:

PURPOSE: The intended purpose of the injection well is to dispose of salt water produced from permitted oil and gas wells.

WELL NAME AND LOCATION: G L Erwin B NCT-2 SWD #1
Located 4.94 miles northeast of Jal, NM
NW ¼ SE ¼, Section 35, Township 24S, Range 37E
1,980' FSL & 2,080' FEL
Lea County, NM

NAME AND DEPTH OF DISPOSAL ZONE: San Andres (3,807' – 4,335')
EXPECTED MAXIMUM INJECTION RATE: 10,000 Bbls/day
EXPECTED MAXIMUM INJECTION PRESSURE: 761 psi (surface)

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

Additional information may be obtained by contacting Oliver Seekins at 918-382-7581.

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
October 24, 2023
and ending with the issue dated
October 24, 2023.

Publisher

Sworn and subscribed to before me this 24th day of October 2023.

Notary LeAnn Whitehead

My commission expires
June 07, 2024
(Seal)

OFFICIAL SEAL
LEANN WHITEHEAD
Notary Public State of New Mexico
My Commission Expires 6-7-24

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

LEGAL NOTICE
October 24, 2023

APPLICATION FOR AUTHORIZATION TO INJECT

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AND LOCATION: Located 4.94 miles northeast of Jal, NM
NW ¼ SE ¼, Section 35, Township 24S, Range 37E
1,980' FSL & 2,080' FEL
Lea County, NM

NAME AND DEPTH OF DISPOSAL ZONE: San Andres (3,807' – 4,335')
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Additional information may be obtained by contacting Oliver Seekins at 918-382-7581.
#00284104

67115320 00284104

DANIEL ARTHUR
ALL CONSULTING
1718 S. CHEYENNE AVE.
TULSA, OK 74119

Scout Energy Management - G L Erwin B NCT-2 SWD #1 - Affected Persons						
Affected Party Classification	**Entity - Proof of Notice**	**Entity - As Mapped/Exhibited**	**Address**	**City**	**State**	**Zip Code**
Surface Owner	Martin Willis	Martin Willis	P.O. Box 307	Jal	NM	88252
Mineral Owner	New Mexico Bureau of Land Management	BLM	620 E. Greene St.	Carlsbad	NM	88220
NMOCD District Office	New Mexico Oil Conservation District 1	N/A	1625 N. French Drive	Hobbs	NM	88240
Unit Operator / Lessee	Chevron USA Holdings Inc	Chevron USA Holdings Inc	11111 S. Wilcrest	Houston	TX	77099
BLM Lessee	Mcdonald Operating Inc	MCDONNOLD OPERATING INC	505 N Big Spring St. Suite 204	Midland	TX	79701
NMSLO Lessee	OXY USA Inc.	Oxy USA Inc	P.O. Box 27570	Houston	TX	77227-7757
NMSLO Lessee	Occidental Permian LTD	Occidental Permian Ltd	P.O. Box 4294	Houston	TX	77210
NMSLO Lessee	Shell Western E & P Inc.	Shell Western E & P	P.O. Box 4772	Houston	TX	77210
NMSLO Lessee	Apache Corporation	Apache Corporation	303 Veterans Airpark Ln #1000	Midland	TX	79705
Well Operator	Citation Oil & Gas Corporation	CITATION OIL & GAS CORP	P.O. Box 690688	Houston	TX	77269
Well Operator	J R Oil, LTD. Co.	J R OIL, LTD. CO.	P.O. Box 52647	Tulsa	Ok	74152
Well Operator	North Fork Operating, LP	North Fork Operating, LP	1000 W. Wilshire Boulevard Suite 311	Nichols Hills	Ok	73116
Well Operator	POCO Resources LLC	POCO Resources LLC	3307 E. Castleberry Road	Artesia	NM	88210
Notes: The affected parties above received notification of this C-108 application.						

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POCO Resources, LLC
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ARTESIA NM 88210-9731

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North Fork Operating, LP
100 W WILSHIRE BLVD STE C6
NICHOLS HILLS OK 73116-9049

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Citaiton Oil & Gas Corporation
PO BOX 690688
HOUSTON TX 77269-0688

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OXY USA Inc
PO BOX 27570
HOUSTON TX 77227-7570

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Tulsa OK 74119

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Chevron USA Holdings Inc.
11111 S WILCREST DR
HOUSTON TX 77099-4310

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Tulsa OK 74119

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New Mexico Bureau of Land Managemen
620 E GREENE ST
CARLSBAD NM 88220-6292

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1718 S Cheyenne Ave
Tulsa OK 74119

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CERTIFIED MAIL®

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Martin Willis
PO BOX 307
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 313997

CONDITIONS

Operator: SCOUT ENERGY MANAGEMENT LLC 13800 Montfort Road Dallas, TX 75240	OGRID: 330949
	Action Number: 313997
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	2/13/2024