BEFORE THE OIL CONSERVATION DIVISION
EXAMINER HEARING APRIL 6, 2023

CASE NO. 23427

LEA COUNTY, NEW MEXICO

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

APPLICATION OF OXY USA INC. TO AMEND ORDER NO. R-22101 TO EXPAND THE APPROVED CLOSED LOOP GAS CAPTURE INJECTION PILOT PROJECT AREA, ADD ADDITIONAL INJECTION WELLS, INCREASE THE MAXIMUM ALLOWABLE SURFACE INJECTION PRESSURE, EXTEND THE PILOT PROJECT FOR TWO YEARS, AND DISMISS ORDER NO. R-22102, LEA COUNTY, NEW MEXICO.

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ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
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CASE NO. 23427
ORDER NO. R-22101
ORDER NO. R-22102

APPLICATION

OXY USA Inc. ("OXY" or "Applicant") (OGRID No. 16696) through its undersigned attorneys, hereby files this application with the Oil Conservation Division ("Division") for an order amending Order No. R-22101 to (1) expand the approved closed loop gas capture injection project area; (2) authorize eleven additional injection wells for intermittent, temporary produced gas injection within the Bone Spring formation; (3) increase the authorized maximum allowable surface injection pressure from 1,200 psi to 1,300 psi; and (4) extend the pilot project, and all deadlines under Order No. R-22101, for an additional two years from issuance of an order in this case. All other terms and provisions in Order No. R-22101 are proposed remain unchanged. Because the proposed expansion of the pilot project area in Order No. R-22101 includes the project area and wells authorized for injection in Order No. R-22102, OXY seeks to dismiss Order No. R-22102. In support of this application, OXY states:

1. The Division approved Order No. R-22101 on April 6, 2022, authorizing OXY to engage in a closed loop gas capture injection pilot project ("pilot project") for intermittent and temporary injection of produced natural gas into the Bone Spring formation in the Red Tank; Bone

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A
Submitted by: OXY USA INC.
Hearing Date: April 06, 2023
Case No. 23427

Spring, East Pool (Pool Code 51687), within a 1,280-acre, more or less, project area (the "Avogato" project) comprised of all of Sections 30 and 31, Township 22 South, Range 33 East, NMPM, Lea County, New Mexico.

2. Order No. R-22101 authorized OXY to occasionally inject produced natural gas at a maximum allowable surface injection pressure of 1200 psi into the Bone Spring formation [Red Tank; Bone Spring, East Pool (Pool Code 51687)] through the following wells within the project area:

- The **Avogato 30_31 State Com #11H well** (API No. 30-025-45956), with a surface location 160 feet FNL and 885 feet FWL (Lot 1) in Section 30, and a bottom hole location 50 feet FSL and 600 feet FWL (Lot 4) in Section 31.
- The **Avogato 30_31 State Com #13H well** (API No. 30-025-45958), with a surface location 160 feet FNL and 2375 feet FEL (Unit B) in Section 30, and a bottom hole location 17 feet FSL and 2905 feet FEL (Unit N) in Section 31.
- The **Avogato 30_31 State Com #14H well** (API No. 30-025-45959), with a surface location 160 feet FNL and 2340 feet FEL (Unit B) in Section 30, and a bottom hole location 160 feet FSL and 2340 feet FEL (Unit O) in Section 31.

3. Order No. R-22101 authorized OXY's Avogato closed loop gas capture injection pilot project for a period of two years, terminating on April 6, 2024.

4. Separately, the Division approved Order No. R-22102 on April 6, 2022, authorizing OXY to engage in a closed loop gas capture injection pilot project for intermittent and temporary injection of produced natural gas into the Bone Spring formation in the Red Tank; Bone Spring, East Pool (Pool Code 51687), within a 320-acre, more or less, project area (the "Taco Cat" project) consisting of the W/2 W/2 of Sections 27 and 34, Township 22 South, Range 32 East, NMPM, Lea County, New Mexico./

5. Order No. R-22102 authorized OXY to occasionally inject produced natural gas at a maximum allowable surface injection pressure of 1200 psi into the Bone Spring formation [Red Tank; Bone Spring, East Pool (Pool Code 51687)] through the **Taco Cat 27-34 Federal Com #11H well**

(API No. 30-025-44933), with a surface location 260 feet FNL and 855 feet FWL (Unit D) in Section 27, and a bottom hole location 20 feet FSL and 998 feet FWL (Unit M) in Section 34.

6. Order No. R-22102 authorized OXY's Taco Cat closed loop gas capture injection pilot project for a period of two years, terminating on April 6, 2024.

7. Following issuance of Order Nos. R-22101 and R-22102, OXY's Avogato and Taco Cat gas gathering networks were combined to improve operational efficiency. The Division issued a new gas surface commingling permit, PLC-835-A, authorizing surface commingling of gas within both systems. In addition, OXY is planning development of additional horizontal wells in this area.

8. An expanded project area and authorization to inject through additional closed loop gas capture injection wells will increase OXY's capacity to occasionally inject produced natural gas to help prevent waste and reduce adverse impacts from temporary interruptions of gas pipeline capacity.

9. Because OXY has combined its Avogato and Taco Cat gas gathering systems and is seeking additional closed loop gas capture injection capacity, it now seeks to amend Order No. R-22101 to address these system changes and add wells authorized for injection.

10. OXY proposes to expand the Avogato project area to include all the existing Taco Cat project area, as well as the E/2 E/2 of Sections 27 and 34, Township 22 South, Range 32 East. *See* **Exhibit A** at 6. The new expanded project area is proposed to comprise approximately 1,920 acres, more or less, consisting of the following, non-contiguous lands:

Township 22 South, Range 32 East

Section 27	W/2
Section 34	W/2

Township 22 South, Range 33 East

Section 30	All
Section 31	All

11. As part of the expansion, OXY also seeks authority to occasionally inject produced gas authorized for commingling under PLC-835-A into the Bone Spring formation [Red Tank; Bone Spring, East Pool (Pool Code 51687)] through the wells previously authorized under Order Nos. R-22101 and R-22102, as well as the following additional wells:

- **Taco Cat 27-34 Federal Com #21H well** (API No. 30-025-44934), with a surface location NW/4 NW/4 (Unit D) in Section 27, and a bottom hole location SW/4 SW/4 (Unit M) in Section 34;
- **Red Tank 30 31 State Com #24Y** (API No. 30-025-44161) with a surface location NE/4 NE/4 (Unit A) in Section 30, and a bottom hole location SE/4 SE/4 (Unit P) in Section 31;
- **Red Tank 30 31 State Com #14H** (API No. 30-025-44193) with a surface location NE/4 NE/4 (Unit A) in Section 30, and a bottom hole location SE/4 SE/4 (Unit P) in Section 31;
- **Avogato 30 31 State Com #4H well** (API No. 30-025-45923), with a surface location NE/4 NE/4 (Unit A) in Section 30, and a bottom hole location SE/4 SE/4 (Unit P) in Section 31;
- **Avogato 30 31 State Com #12H well** (API No. 30-025-45957), with a surface location NW/4 NW/4 (Lot 1) in Section 30, and a bottom hole location SE/4 SW/4 (Unit N) in Section 31;
- **Avogato 30 31 State Com #21H well** (API No. 30-025-45924), with a surface location NE/4 NW/4 (Unit C) in Section 30, and a bottom hole location SW/4 SW/4 (Lot 4) in Section 31;
- **Avogato 30 31 State Com #22H well** (API No. 30-025-45925), with a surface location NE/4 NW/4 (Unit C) in Section 30, and a bottom hole location SE/4 SW/4 (Unit N) in Section 31;
- **Avogato 30 31 State Com #23H well** (API No. 30-025-45926), with a surface location NE/4 NW/4 (Unit C) in Section 30, and a bottom hole location SE/4 SW/4 (Unit N) in Section 31;
- **Avogato 30 31 State Com #24H well** (API No. 30-025-45960), with a surface location NW/4 NE/4 (Unit B) in Section 30, and a bottom hole location SW/4 SE/4 (Unit O) in Section 31;
- **Avogato 30 31 State Com #25H well** (API No. 30-025-45961), with a surface location NW/4 NE/4 (Unit B) in Section 30, and a bottom hole location SE/4 SE/4 (Unit P) in Section 31; and

- **Avogato 30 31 State Com #74H well** (API No. 30-025-45964), with a surface location NE/4 NE/4 (Unit A) in Section 30, and a bottom hole location SE/4 SE/4 (Unit P) in Section 31.

12. Injection along the horizontal portion of the additional wellbores will be at the following approximate total vertical depths:

- **Taco Cat 27-34 Federal Com #21H well** from approximately 10,526 feet to 10,849 feet;
- **Red Tank 30 31 State Com #24Y** from approximately 10,860 feet to 10,887 feet;
- **Red Tank 30 31 State Com #14H** from approximately 9,416 feet to 19,571 9,407 feet;
- **Avogato 30 31 State Com #4H well** from approximately 10,081 feet to 20,138 10,152 feet;
- **Avogato 30 31 State Com #12H well** from approximately 9,594 feet to 9,613 feet;
- **Avogato 30 31 State Com #21H well** from approximately 10,632 feet to 10,754 feet;
- **Avogato 30 31 State Com #22H well** from approximately 10,781 feet to 10,890 feet;
- **Avogato 30 31 State Com #23H well** from approximately 10,671 feet to 10,767 feet;
- **Avogato 30 31 State Com #24H well** from approximately 10,545 feet to 10,959feet;
- **Avogato 30 31 State Com #25H well** from approximately 10,334 feet to 10,782 feet;
- **Avogato 30 31 State Com #74H well** from approximately 10,265 feet to 11,403 feet;

13. The proposed average injection rate for each well is 3 MMSCFD with a maximum injection rate of 4 MMSCFD during injection. *See* **Exhibit A** at 43.

14. The source of gas for injection will be from OXY's wells producing in the Bone Spring and Wolfcamp formations that are identified in the list of wells in **Exhibit A** at page 45. Each of OXY's proposed injection wells are operated by OXY. Additional source wells may be added over time under an approved surface commingling authorization.

15. OXY has prepared an analysis of the composition of the source gas for injection and the analyses of target injection intervals. *See* **Exhibit A** at 46-56. OXY also has a corrosion prevention plan in place.

16. A map and process flow diagram depicting the pipeline that ties the wells proposed for the pilot project into the gathering system and the affected compressor stations are included in the attached **Exhibit A** at pages 6-7.

WELL DATA

17. Information on the well data, including well diagrams and well construction, casing, tubing, packers, cement, perforations, and other details for each proposed additional injection wells are included in the attached **Exhibit A** at pages 21-42.

18. The current average surface pressures under normal operations for the proposed additional injection wells range from approximately 200 psi to 1,087 psi. *See* **Exhibit A** at 43. The maximum achievable surface pressure (MASP) for all wells in the pilot project is proposed to be increased from 1,200 psi to 1,300 psi to provide for increased operational flexibility. *Id.*

19. The proposed maximum achievable surface pressure will not exert pressure at the top perforation in the wellbore of any injection well with a full fluid column of reservoir brine water in excess of 90% of the burst pressure for the production casing or production liner. *See* **Exhibit A** at 43. In addition, the proposed maximum achievable surface pressure will not exceed 0.14 psi per foot as measured at the top of the uppermost perforation in any injection well and will not exert pressure at the topmost perforation in excess of 90% of the formation parting pressure. *See* **Exhibit A** at 43.

20. Cement bond logs[1] for each of the proposed additional injection wells demonstrate the placement of cement in the wells proposed for this pilot project and that there is a good and sufficient

[1] Electronic version of the cement bond logs will be submitted to the Division by email.

cement bond with the production casing and the tie-in of the production casing with the next prior casing in each well.

21. Five of the additional wells proposed for injection in the pilot project have previously demonstrated mechanical integrity. *See* **Exhibit A** at 44. OXY will undertake new tests to demonstrate mechanical integrity for each of the additional wells proposed for this pilot project as a condition of approval prior to commencing injection operations.

GEOLOGY AND RESERVOIR

22. Data and a geologic analysis confirming that the Bone Spring formation is suitable for the proposed pilot project is included in **Exhibit A** at pages 88-102. A general characterization of the geology of the Bone Spring formation and its suitability for the proposed injection, including identification of confining layers and their ability to prevent vertical movement of the injected gas is included in the analysis. *Id.*

23. The top of the Bone Spring formation in this area is at approximately 8,705 feet total vertical depth and extends down to the top of the Wolfcamp formation at approximately 12,014 feet total vertical depth. *See* **Exhibit A** at 89.

24. Reservoir modeling indicates anticipated horizontal movement of injected gas will be approximately 100 feet or less from each additional injection wellbore within the Bone Spring formation. *See* **Exhibit A** at 112.

25. OXY has prepared calculations estimating the stimulated reservoir volume based on supporting empirical data and a reservoir model to evaluate potential effects on wells adjacent to the pilot project area. *See* **Exhibit A** at 103-114. OXY's analysis concludes that there will be no change in the oil recovery from each of its additional proposed injection wells or from any of the offsetting wells. *See id.* at 114.

26. OXY has also prepared an analysis evaluating the expected gas storage capacity for the proposed injection well relative to the gas injection volumes. *See* **Exhibit A** at 116. The analysis confirms that whether the capacity is estimated based on the fracture volume gas equivalent or the total gas equivalent volumes produced from the proposed injection zone, the anticipated gas injection volumes will be well below the estimated volume capacity within the project area.

27. OXY has examined the available geologic and engineering data and found no evidence of open faults or other hydrologic connections between the injection zone and any underground source of drinking water. *See* **Exhibit A** at 102.

GAS ALLOCATION

28. OXY's proposed method of gas allocation remains unchanged from what was proposed and approved by the Division under Order No. R-22101. *See* **Exhibit A** at 119-120.

AREA OF REVIEW

29. OXY has prepared maps depicting the location of the proposed injection well, the location and lateral of every well within a two-mile radius, leases within two miles, and the half-mile area of review. *See* **Exhibit A** at 58-61.

30. A tabulation of data for wells that penetrate the proposed injection intervals or the confining layer within the area of review is included in **Exhibit A** at pages 62-65, along with well-bore schematics for wells that are plugged and abandoned or temporarily abandoned. *See* **Exhibit A** at 66-87.

31. A copy of this application will be provided by certified mail to the surface owner on which each injection well identified herein is located, and to each leasehold operator and other affected persons within any tract wholly or partially contained within one-half mile of the completed interval of the wellbore for each of the proposed injection wells. A copy of the affected parties subject

to notice is included, along with a map and list identifying each tract and affected persons given notice. *See* **Exhibit A** at 121-128.

32. Approval of this Application is in the best interests of conservation, the prevention of waste, and the protection of correlative rights.

WHEREFORE, OXY USA Inc. requests that this Application be set for hearing before an Examiner of the Oil Conservation Division on April 6, 2023, and that after notice and hearing this Application be approved.

Respectfully submitted,

HOLLAND & HART LLP

By:_____

Michael H. Feldewert
Adam G. Rankin
Julia Broggi
Paul M. Vance
Post Office Box 2208
Santa Fe, NM 87504
505-998-4421
505-983-6043 Facsimile
mfeldewert@hollandhart.com
agrankin@hollandhart.com
jbroggi@hollandhart.com
pmvance@hollandhart.com

ATTORNEYS FOR OXY USA INC.

Application of OXY USA Inc. to Amend Order No. R-22101 to Expand the Approved Closed Loop Gas Capture Injection Pilot Project Area, Add Additional Injection Wells, Increase the Maximum Allowable Surface Injection Pressure, Extend the Pilot Project for Two Years, and Dismiss Order No. R-22102, Lea County, New Mexico. Applicant in the above-styled cause seeks for an order amending Order No. R-22101 to (1) expand the approved closed loop gas capture injection project area; (2) authorize eleven additional injection wells for intermittent, temporary produced gas injection within the Bone Spring formation; (3) increase the authorized maximum allowable surface injection pressure from 1,200 psi to 1,300 psi; and (4) extend the pilot project, and all deadlines under Order No. R-22101, for an additional two years from issuance of an order in this case. All other terms and provisions in Order No. R-22101 are proposed remain unchanged. Because the proposed expansion of the pilot project area in Order No. R-22101 includes the project area and wells authorized for injection in Order No. R-22102, OXY seeks to dismiss Order No. R-22102. OXY also seeks authority to occasionally inject produced gas authorized for commingling under PLC-835-A into the Bone Spring formation [Red Tank; Bone Spring, East Pool (Pool Code 51687)] through the wells previously authorized under Order Nos. R-22101 and R-22102, as well as the following additional wells:

- **Taco Cat 27-34 Federal Com #21H well** (API No. 30-025-44934), with a surface location NW/4 NW/4 (Unit D) in Section 27, and a bottom hole location SW/4 SW/4 (Unit M) in Section 34;
- **Red Tank 30 31 State Com #24Y** (API No. 30-025-44161) with a surface location NE/4 NE/4 (Unit A) in Section 30, and a bottom hole location SE/4 SE/4 (Unit P) in Section 31;
- **Red Tank 30 31 State Com #14H** (API No. 30-025-44193) with a surface location NE/4 NE/4 (Unit A) in Section 30, and a bottom hole location SE/4 SE/4 (Unit P) in Section 31;
- **Avogato 30 31 State Com #4H well** (API No. 30-025-45923), with a surface location NE/4 NE/4 (Unit A) in Section 30, and a bottom hole location SE/4 SE/4 (Unit P) in Section 31;
- **Avogato 30 31 State Com #12H well** (API No. 30-025-45957), with a surface location NW/4 NW/4 (Lot 1) in Section 30, and a bottom hole location SE/4 SW/4 (Unit N) in Section 31;
- **Avogato 30 31 State Com #21H well** (API No. 30-025-45924), with a surface location NE/4 NW/4 (Unit C) in Section 30, and a bottom hole location SW/4 SW/4 (Lot 4) in Section 31;
- **Avogato 30 31 State Com #22H well** (API No. 30-025-45925), with a surface location NE/4 NW/4 (Unit C) in Section 30, and a bottom hole location SE/4 SW/4 (Unit N) in Section 31;
- **Avogato 30 31 State Com #23H well** (API No. 30-025-45926), with a surface location NE/4 NW/4 (Unit C) in Section 30, and a bottom hole location SE/4 SW/4 (Unit N) in Section 31;
- **Avogato 30 31 State Com #24H well** (API No. 30-025-45960), with a surface location NW/4 NE/4 (Unit B) in Section 30, and a bottom hole location SW/4 SE/4 (Unit O) in Section 31;
- **Avogato 30 31 State Com #25H well** (API No. 30-025-45961), with a surface location NW/4 NE/4 (Unit B) in Section 30, and a bottom hole location SE/4 SE/4 (Unit P) in Section 31; and

- **Avogato 30 31 State Com #74H well** (API No. 30-025-45964), with a surface location NE/4 NE/4 (Unit A) in Section 30, and a bottom hole location SE/4 SE/4 (Unit P) in Section 31.

OXY seeks authority to utilize these producing wells to occasionally inject produced gas into the Bone Spring formation at total vertical depths of between approximately 9,330 feet to 10,959 feet along the horizontal portion of each wellbore at surface injection pressures of no more than 1,300 psi. The source of the produced gas will be Bone Spring and Wolfcamp formations. The subject acreage is located approximately 30 miles northwest of Jal, New Mexico.

EXHIBIT A

Red Tank Area CLGC Project 2023

General Project Description: Closed Loop Gas Capture (CLGC) Project
Oxy- 2023 Red Tank Expansion

About the Red Tank Area

The Red Tank area is composed of two combined systems: Avogato wells in Sections 30 and 31 T22S, R33E, and Taco Cat wells in Sections 27 and 34 T22S, R32E.

In 2021, Oxy USA Inc. ("Oxy") requested authority to operate a closed loop gas capture project ("CLGC") in Avogato wells with Case 22088 and in Taco Cat wells with Case 22089 at a hearing before the NMOCD on August 5, 2021. These projects were filed under different cases because of the separate gas gathering networks selling gas to DCP. The NMOCD issued approved orders on April 6, 2022, authorizing CLGC projects in Avogato wells with R-22101 and Taco Cat wells with R-22102.

Later in 2022, the Avogato and Taco Cat gas gathering networks were combined to improve operational efficiency. Additionally, a new third-party gas takeaway company, Mark West, was chosen to replace DCP. Along with the changes, a new gas surface commingling permit PLC-835-A was issued.

Now in 2023, Oxy is expanding the CLGC candidate list because of additional upcoming development in the area.

Summary of Requested Relief

1. Authority to operate a CLGC project consisting of fifteen (15) wells: four (4) previously approved and eleven (11) new candidate wells. The project will help to prevent waste and reduce adverse impacts from temporary interruptions of gas pipeline capacity.
2. Increase in authorized Maximum Allowable Surface Pressure (MASP) from 1200 psi to 1300 psi.
3. A two-year pilot project extension from the date of the signed order.

Overview

Oxy is proposing a CLGC project. On occasion, third-party gas purchasers reduce takeaway capacity and cause interruptions that result in flaring or shut in production. During these interruptions, Oxy will utilize CLGC wells to capture gas and reduce flaring.

Oxy has experienced interruptions where the third-party gas purchaser temporarily reduced takeaway capacity from this location, resulting in the flaring of gas or the immediate shut-in of production. Approval of this application will significantly reduce such flaring or shut-in production in the future.

Operations During Interruption	Operations During Interruption With CLGC System	Benefits
• Flare gas • Shut in production	• Store gas • Continue production • No additional surface disturbances	• Reduce greenhouse gas emissions • Improve economic recovery of mineral resources including gas that might have been flared • Utilize existing infrastructure

Proposed Operations

Oxy has an extensive high-pressure gas system in the Red Tank area. It is used for gas lift operations, a type of artificial lift. Oxy plans to utilize the same system for gas storage operations. Very minimal equipment on surface will need to be installed prior to starting storage operations.

Mark West is the third-party gas purchaser for the Red Tank area. If an interruption occurs, Oxy will divert gas from the takeaway line back into the gas lift injection system. Gas will flow from the Central Gas Lift (CGL) Compressor Stations through the flow meter, control valve, safety shutdown valve, wellhead and into the wellbore for storage. Gas will be injected down the casing/tubing annulus in these wells. Simultaneously, the proposed CLGC well will be shut in by closing the electric choke upstream of the production flowline. After the interruption has ended, the electric choke will open and the CLGC well resumes production.

Wells

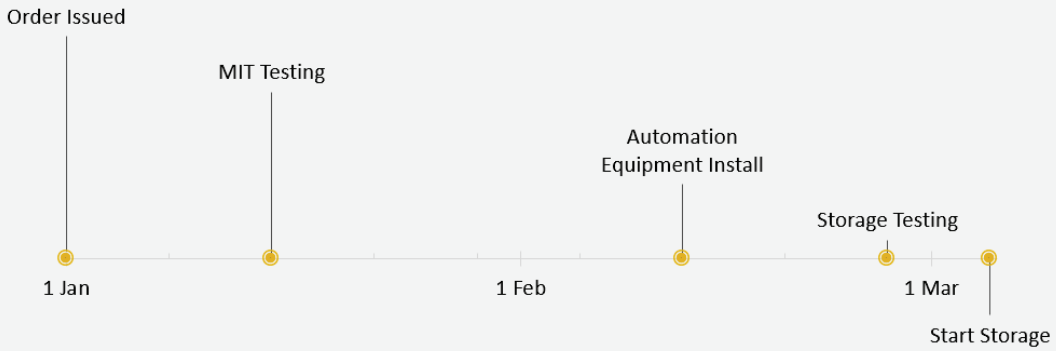
There are 4 previously approved CLGC wells in Red Tank. 11 candidate wells are included in the expanded list.

Case 22089, Injection Order R-22102 (Taco Cat)		
API10	**Well Name**	**Status**
30-025-44933	TACO CAT 27 34 FEDERAL COM #011H	Active CLGC
30-025-44934	TACO CAT 27 34 FEDERAL COM #021H	2023 Candidate
Case 22088, Injection Order R-22101 (Avogato/ Red Tank)		
API10	**Well Name**	**Status**
30-025-45956	AVOGATO 30 31 STATE COM #011H	Active CLGC
30-025-45958	AVOGATO 30 31 STATE COM #013H	Active CLGC
30-025-45959	AVOGATO 30 31 STATE COM #014H	Active CLGC
30-025-44161	RED TANK 30 31 STATE COM #024Y	2023 Candidate
30-025-44193	RED TANK 30 31 STATE COM #014H	2023 Candidate
30-025-45923	AVOGATO 30 31 STATE COM #004H	2023 Candidate
30-025-45924	AVOGATO 30 31 STATE COM #021H	2023 Candidate
30-025-45925	AVOGATO 30 31 STATE COM #022H	2023 Candidate
30-025-45926	AVOGATO 30 31 STATE COM #023H	2023 Candidate
30-025-45957	AVOGATO 30 31 STATE COM #012H	2023 Candidate
30-025-45960	AVOGATO 30 31 STATE COM #024H	2023 Candidate
30-025-45961	AVOGATO 30 31 STATE COM #025H	2023 Candidate
30-025-45964	AVOGATO 30 31 STATE COM #074H	2023 Candidate

Timeline

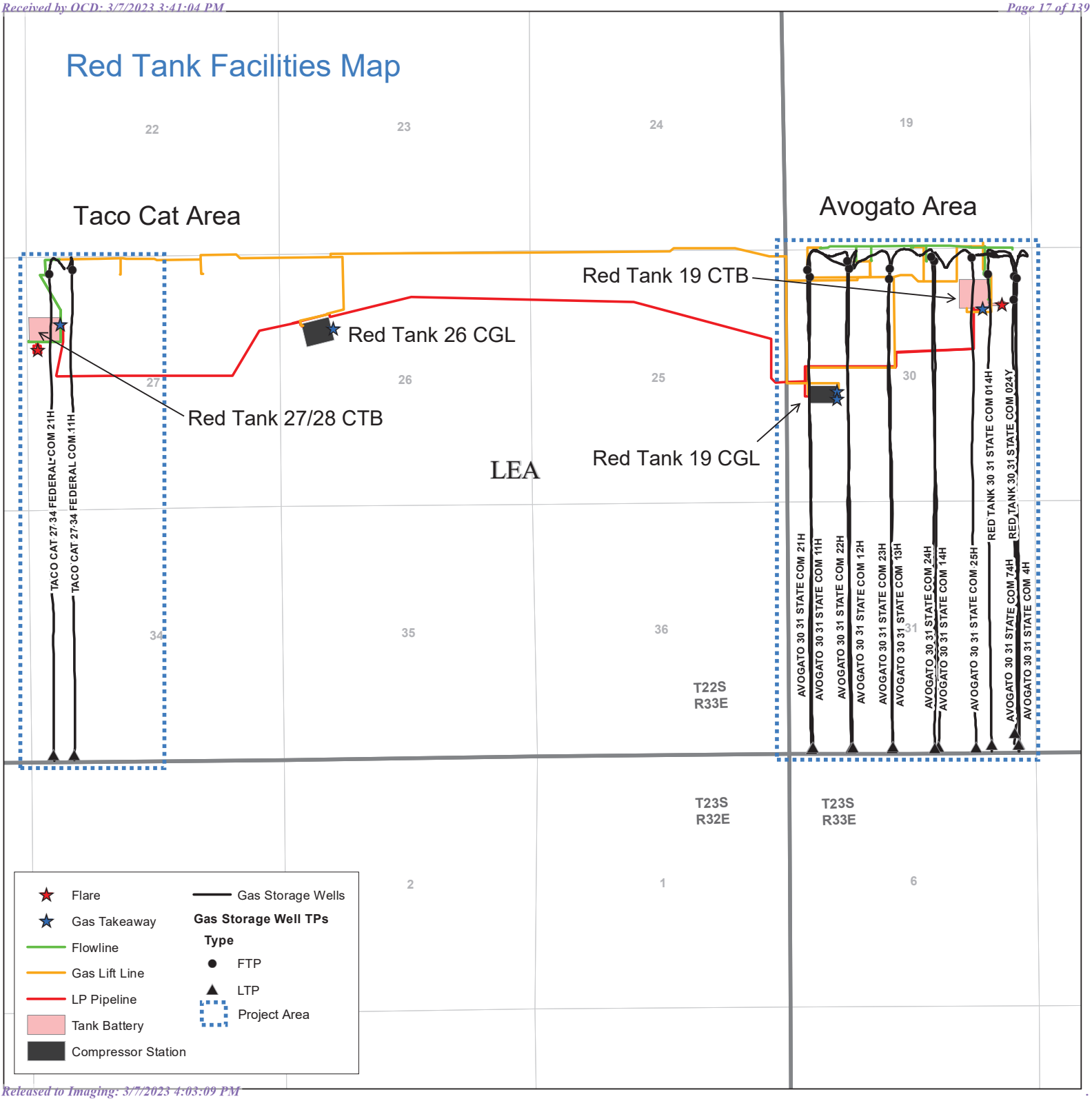
Since no new surface disturbances are required, this project can be implemented with minimal facility modifications. The timeline below assumes an order is issued on January 1 for illustration purposes.

GAS STORAGE PROJECT TIMELINE

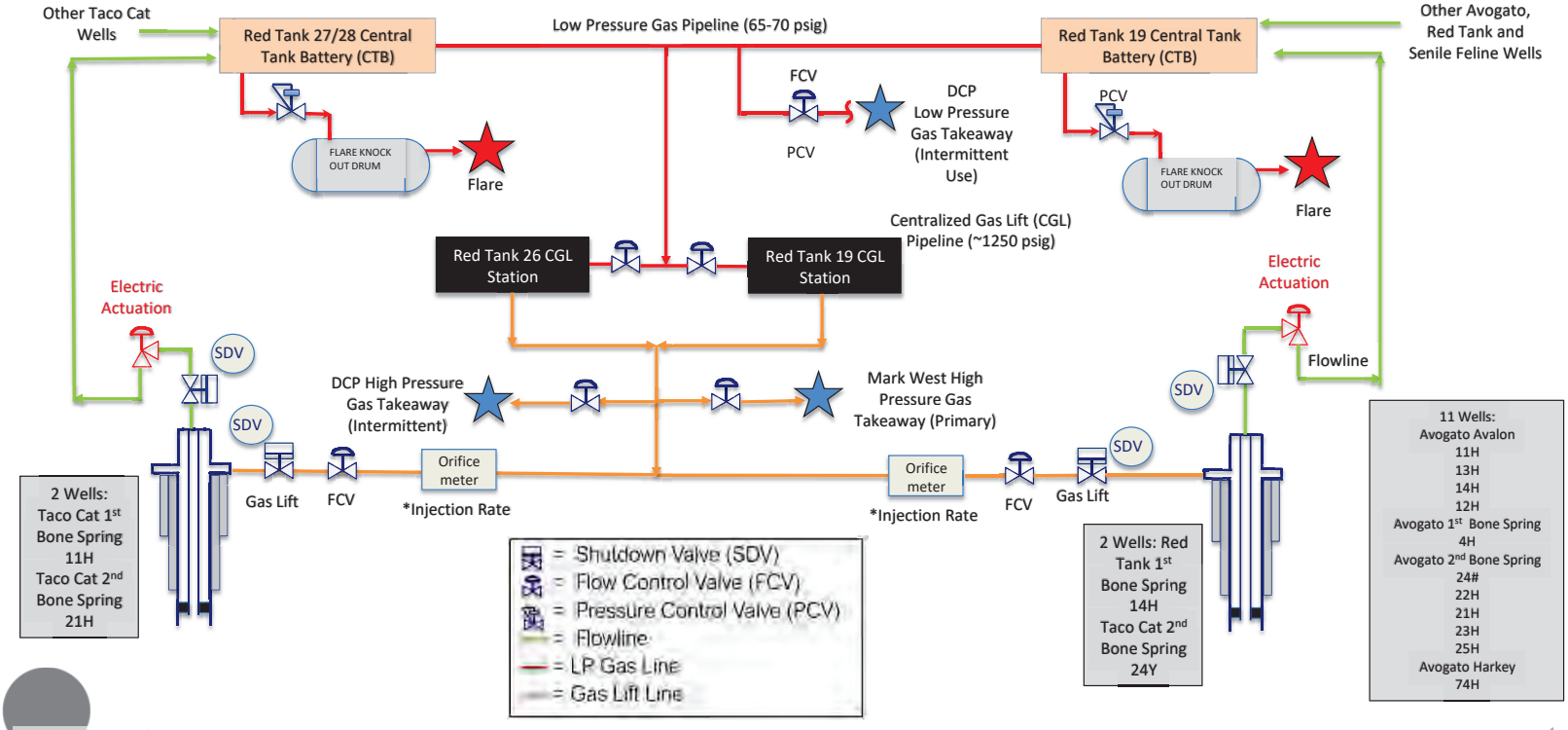


Facilities and Production

Red Tank Facilities Map



Red Tank Gas Process Flow 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, NM 87505

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
30-025-44934	51683	RED TANK, BONE SPRING

Property Code	Property Name	Well Number
321612	TACO CAT "27-34" FEDERAL COM	21H

OGRID No.	Operator Name	Elevation
16696	OXY USA INC.	3635.3'

Surface Location

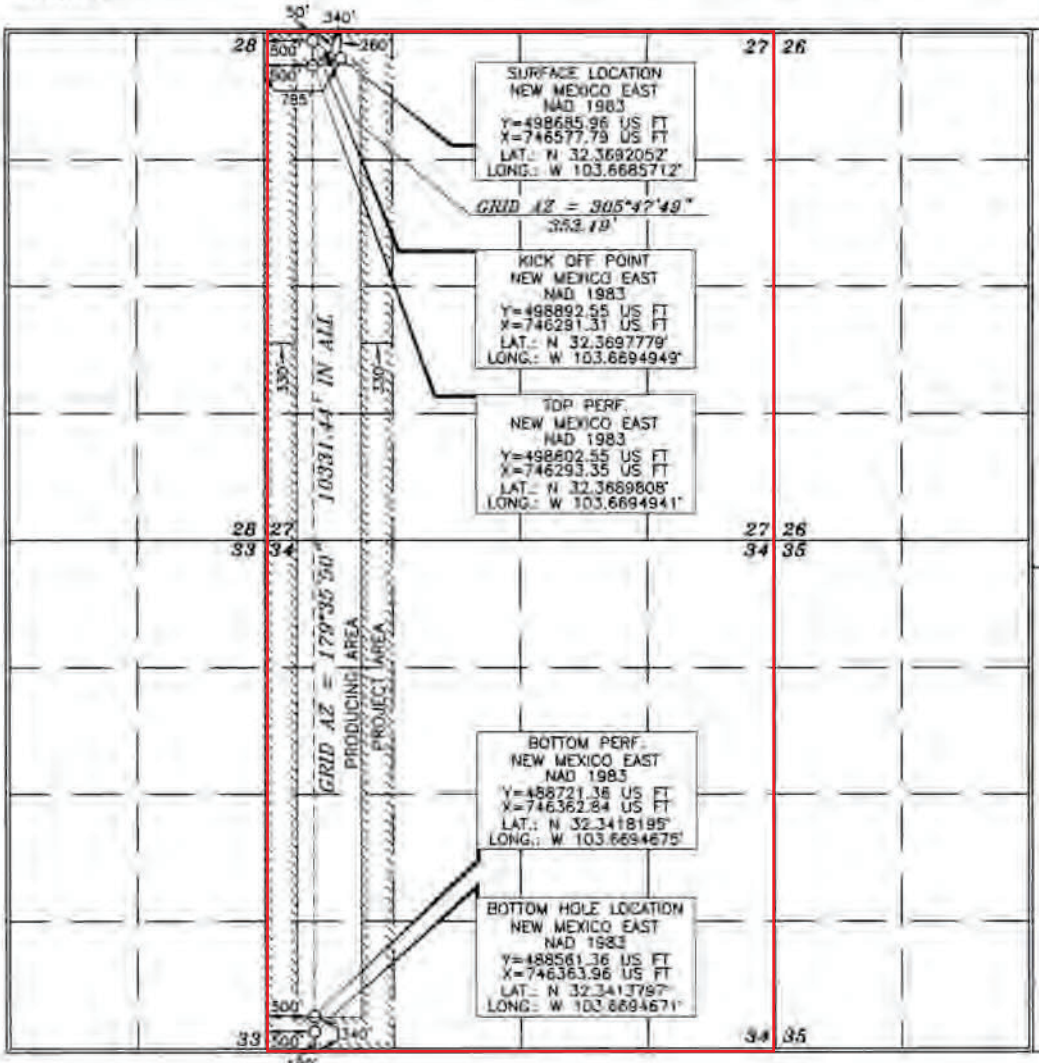
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	27	22 SOUTH	32 EAST, N.M.P.M.		260'	NORTH	785'	WEST	LEA

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
M	34	22 SOUTH	32 EAST, N.M.P.M.		180'	SOUTH	500'	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
1280			R-21777

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

Roni Mathew 7/26/2021
Signature Date

RONI MATHEW
Printed Name

roni_mathew@oxy.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.

DECEMBER 26, 2017
Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number 15079

WO# 171226WL-a (KA)

= HSU

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, NM 87505

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MAY 10 2018
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Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☑ AMENDED REPORT
(As-Drilled)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-44161	51687	Red Tank; Bone Spring, East

Property Code	Property Name	Well Number
319659	RED TANK "30-31" STATE Com	24Y

OGRID No.	Operator Name	Elevation
16696	OXY USA INC.	3660.1'

Surface Location

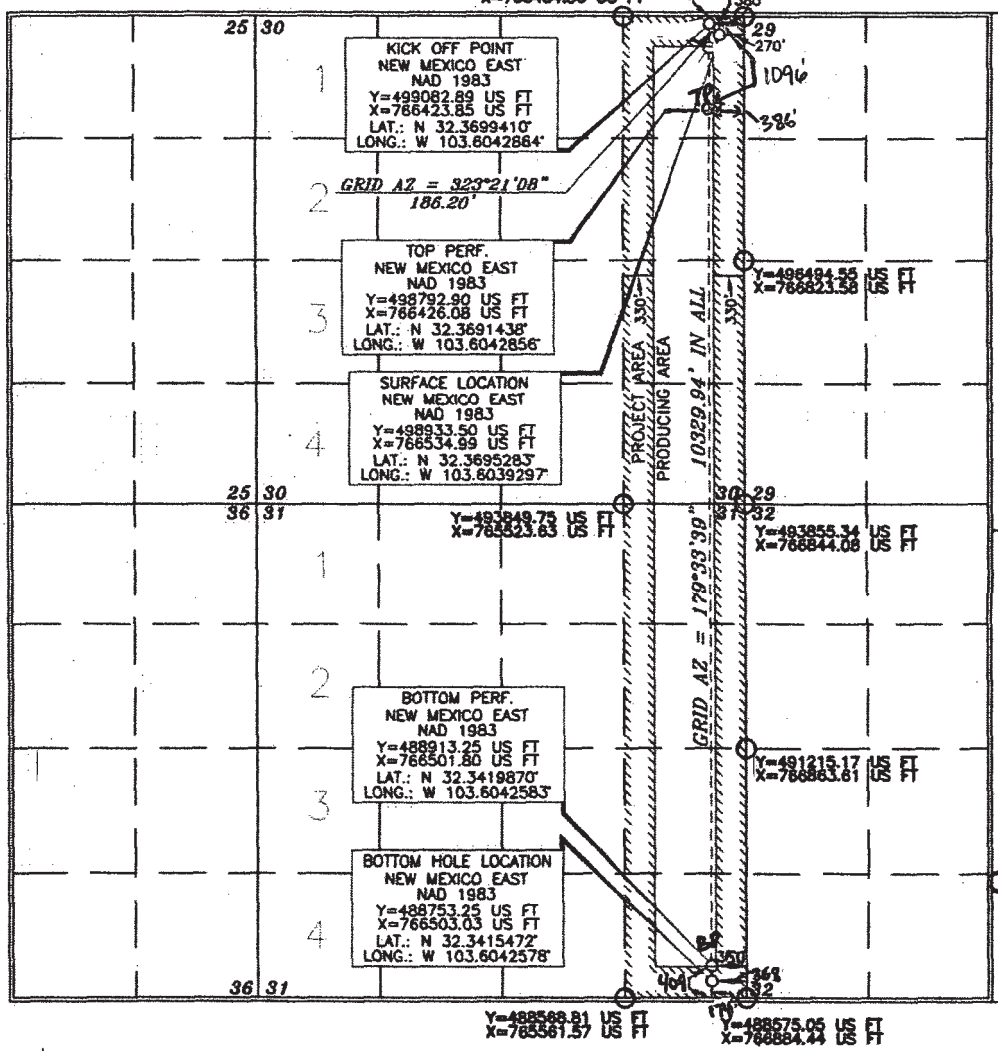
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	30	22 SOUTH	33 EAST, N.M.P.M.		200'	NORTH	270'	EAST	LEA

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
P	31	22 SOUTH	33 EAST, N.M.P.M.		~~100'~~ 179'	SOUTH	~~380'~~ 368'	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	~~Order No.~~
320	Y		BP- 409 FSL 350 FEL TP- 1096 FNL 386 FEL

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

Signature — Date: 1/16/18

Jana Mendiola
Printed Name

janalyn_mendiola@oxy.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.

JERRY J. ASH
NEW MEXICO
15079
REGISTERED PROFESSIONAL LAND SURVEYOR

Date of Survey: AUGUST 8, 2017

Signature and Seal of Professional Surveyor

Certificate Number 15079 — 10/30/2017

WO# 170808WL-a-XY (Rev. A) (KA)

HOBBS OCD

JAN 07 2019

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

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
30-025-44193	51687	Red Tank Bone Spring, East

Property Code	Property Name	Well Number
319659	RED TANK "30-31" STATE	14H

OGRID No	Operator Name	Elevation
16696	OXY USA INC.	3662.5'

Surface Location

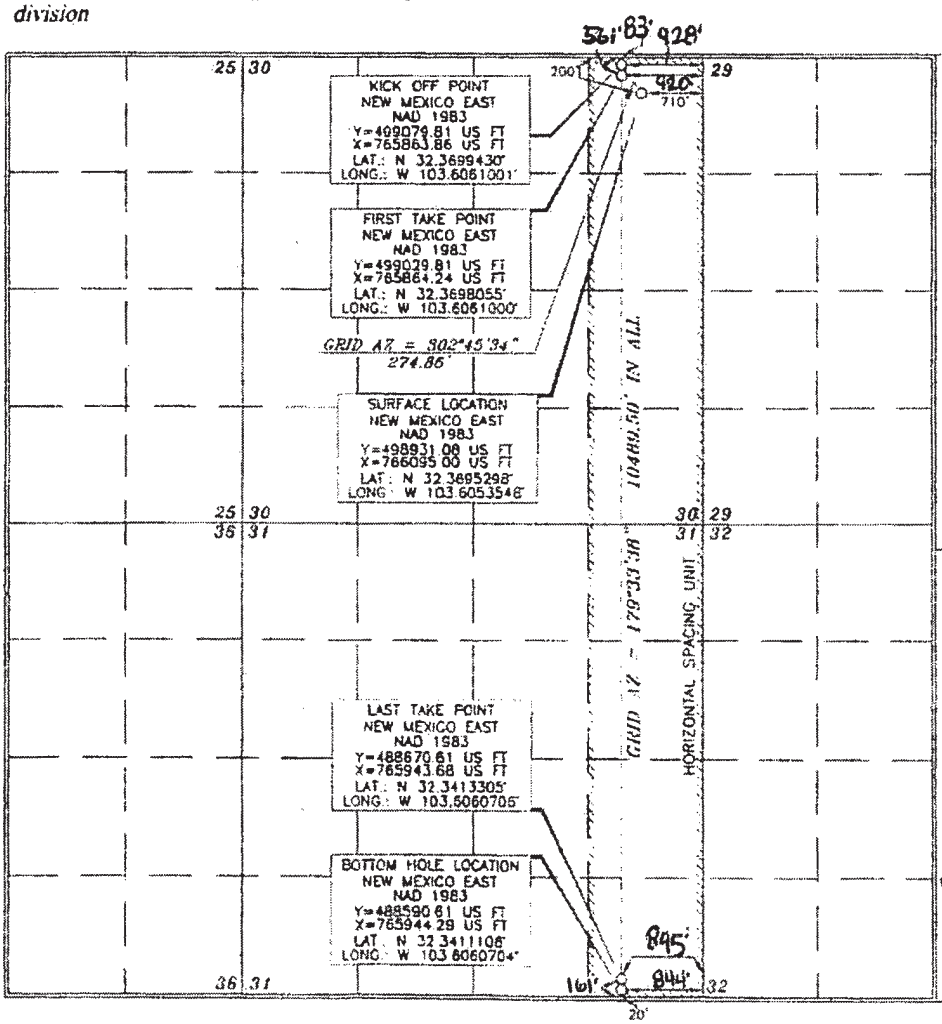
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North South line	Feet from the	East West line	County
A	30	22 SOUTH	33 EAST, N.M.P.M.		200'	NORTH	710'	EAST	LEA

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
P	31	22 SOUTH	33 EAST, N.M.P.M.		20'	SOUTH	844'	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320	Y		FTP: 561' FNL 920' FEL LTP: 161' FSL 845' FEL

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

Leslie Reeves 1/7/19
Signature Date

LESLIE REEVES
Printed Name

LESLIE_REEVES@OXY.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 18, 2018
Date of Survey

Signature and Seal of Professional Surveyor

TERRY J. ASEL
15079
NEW MEXICO
PROFESSIONAL LAND SURVEYOR

Terry J. Asel 10/22/2018
Certificate Number 15079

WO# 17091SWL - a (Rev A) (KA)

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
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DISTRICT III
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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

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04/16/2020
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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
30-025-45923	51687	RED TANK; BONE SPRING;EAST

Property Code	Property Name	Well Number
325625	AVOGATO 30_31 STATE COM	4H

OGRID No.	Operator Name	Elevation
16696	OXY USA INC	3669.0'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	30	22-S	33-E		160	NORTH	1120	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
P	31	22-S	33-E		21	SOUTH	342	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
640			

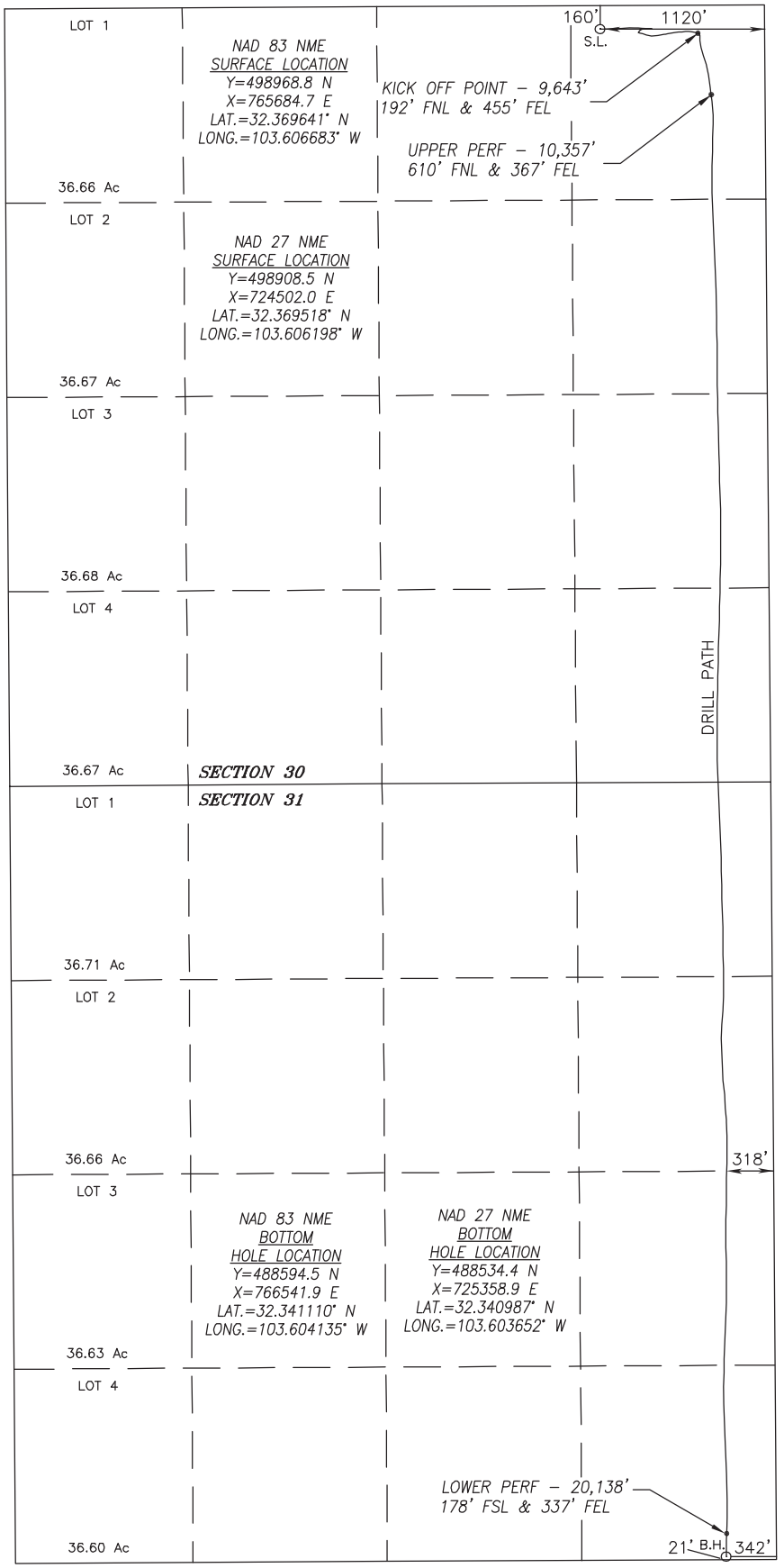
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

INC

SEE PAGE 2

PAGE 1 OF 2
W.O. #19-2358 DRAWN BY: WN

Property Code	Property Name	Well Number
325625	AVOGATO 30_31 STATE COM	4H
OGRID No.	**Operator Name**	**Elevation**
16696	OXY USA INC	3669.0'



SURFACE INFO AND BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY OXY USA FOR THE AVOGATO 30_31 STATE COM 4H SUPPLIED TO HARCROW SURVEYING, LLC ON DECEMBER 20, 2019

1200 0 1200

SCALE: 1"=1200'

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.

Roni Mathew 12/23/19

Signature Date

RONI MATHEW

Printed Name

RONI_MATHEW@OXY.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.

MAR. 12, 2019/NOV. 25, 2019

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor

CHAD L. HARCROW NEW MEXICO 17777 LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 12/20/19

Certificate No. CHAD HARCROW 17777

PAGE 2 OF 2 W.O. #19-2358 DRAWN BY: WN

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

HOBBS OCD
FEB 12 2020
RECEIVED

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

☑ AMENDED REPORT
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-45924	51687	RED TANK; BONE SPRING; EAST

Property Code	Property Name	Well Number
325625	AVOGATO 30_31 STATE COM	21H

OGRID No.	Operator Name	Elevation
16696	OXY USA, INC.	3707.2'

Surface Location

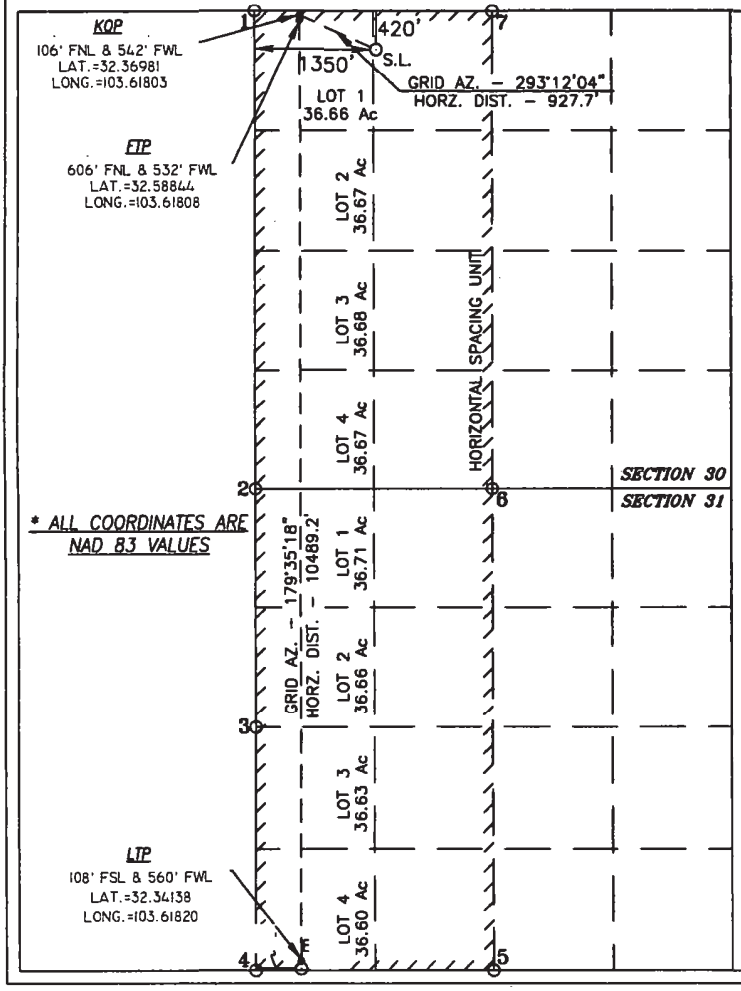
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	30	22-S	33-E		420	NORTH	1350	WEST	LEA

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
4	31	22-S	33-E		17	SOUTH	563	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
613.28			

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



SURFACE LOCATION
Y=498694.2 N
X=762988.4 E
LAT.=32.368936° N
LONG.=103.615421° W

POINT LEGEND	
1	Y=499107.0 N X=761635.4 E
2	Y=493826.6 N X=761673.4 E
3	Y=491167.3 N X=761692.5 E
4	Y=488547.8 N X=761711.3 E
5	Y=488562.6 N X=764238.7 E
6	Y=493844.2 N X=764203.2 E
7	Y=499120.5 N X=764165.7 E

BOTTOM HOLE LOCATION
17' FSL & 563' FWL
LAT.=32.34113
LONG.=103.6189

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.

11/13/19
Signature Date

RONI MATHEW
Printed Name

RONI_MATHEW@OXY.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.

MARCH 12, 2019
Date of Survey

Signature & Seal of Professional Surveyor

CHAD L. HARCROW
NEW MEXICO
17777
LICENSED PROFESSIONAL SURVEYOR

4/4/19

Certificate No. CHAD HARCROW 17777

W.O. # 19-474 DRAWN BY: AM

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

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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

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

☑ AMENDED REPORT
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-45925	51687	RED TANK; BONE SPRING; EAST

Property Code	Property Name	Well Number
325625	AVOGATO 30_31 STATE COM	22H

OGRID No.	Operator Name	Elevation
16696		3706.6'

Surface Location

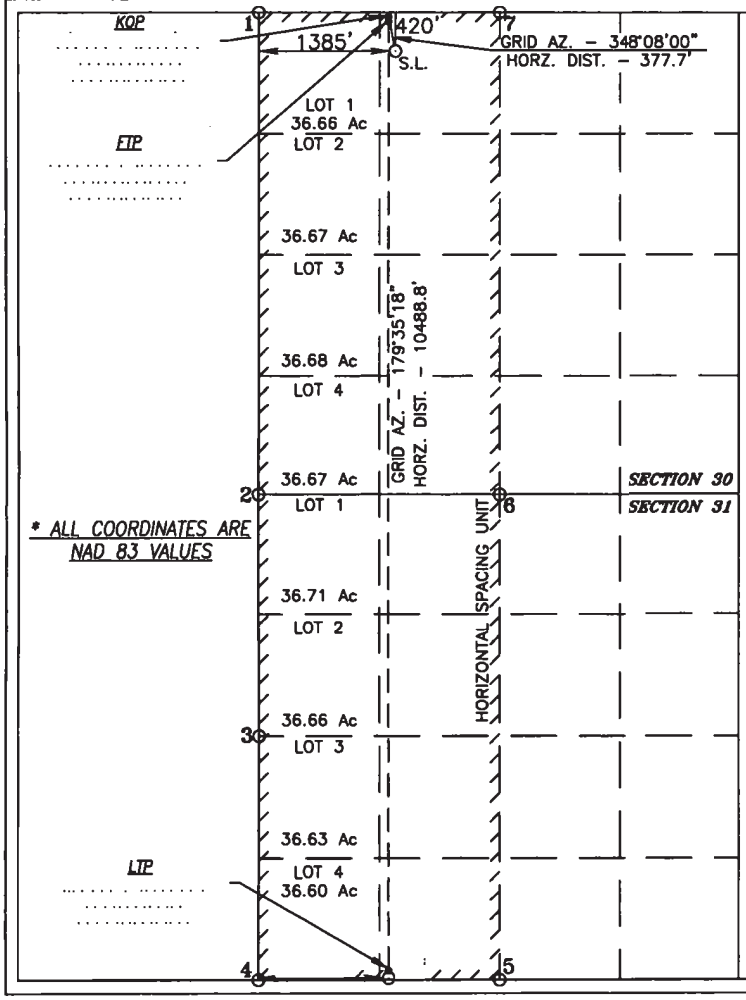
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	30	22-S	33-E		420	NORTH	1385	WEST	LEA

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
N	31	22-S	33-E			SOUTH		WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
613.28			

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



SURFACE LOCATION
Y=498694.4 N
X=763023.4 E
LAT.=32.368936° N
LONG.=103.615308° W

POINT LEGEND	
1	Y=499107.0 N X=761635.4 E
2	Y=493826.6 N X=761673.4 E
3	Y=491187.3 N X=761692.5 E
4	Y=488547.8 N X=761711.3 E
5	Y=488562.6 N X=764238.7 E
6	Y=493844.2 N X=764203.2 E
7	Y=499120.5 N X=764165.7 E

BOTTOM HOLE LOCATION

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.

11/13/19
Signature Date

RONI MATHEW
Printed Name

RONI_MATHEW@OXY.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.

MARCH 12, 2019
Date of Survey

Signature & Seal of Professional Surveyor

CHAD L. HARCROW
NEW MEXICO
17777
LICENSED PROFESSIONAL SURVEYOR

4/4/19
Certificate No. CHAD HARCROW 17777

W.O. # 19-475 DRAWN BY: AM

HOBBS OCD

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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
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

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

☑ AMENDED REPORT
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-45926	51683	RED TANK; BONE SPRING; EAST

Property Code	Property Name	Well Number
325625	AVOGATO 30_31 STATE COM	23H

OGRID No.	Operator Name	Elevation
16696	OXY USA, INC.	3706.1'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	30	22-S	33-E		420	NORTH	1420	WEST	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
N	31	22-S	33-E		26	SOUTH	2252	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
613.28			

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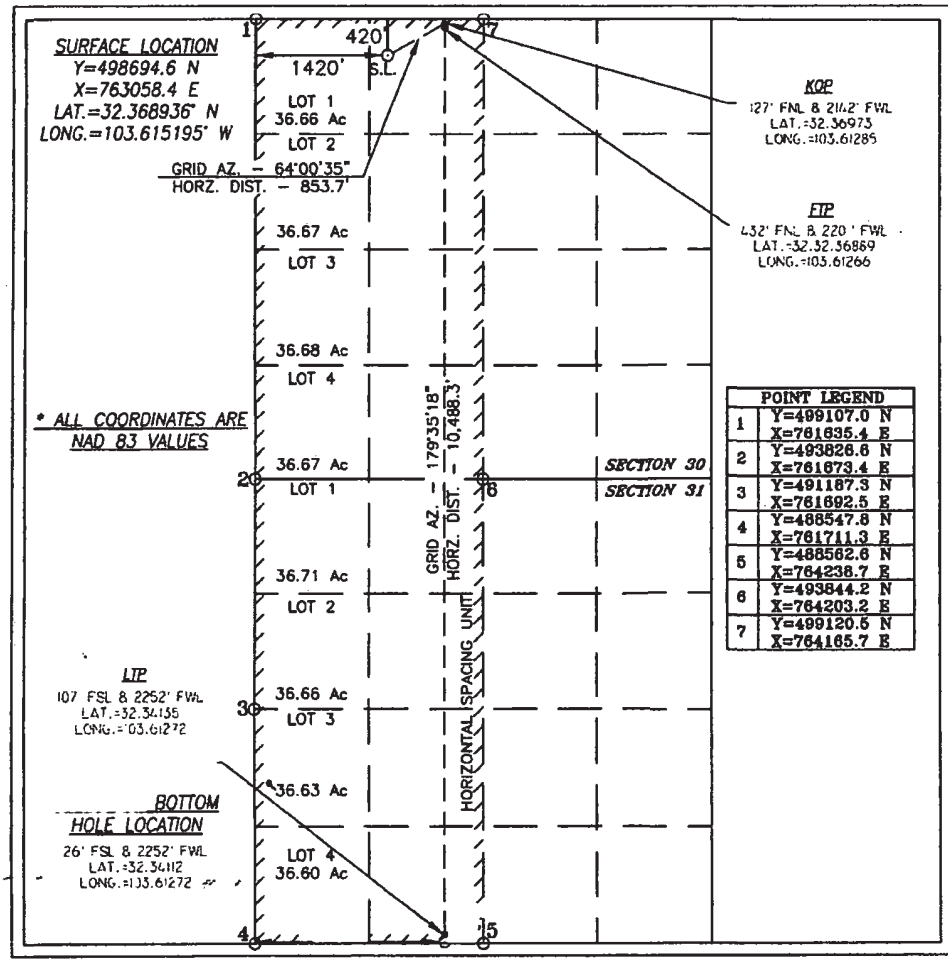

POINT LEGEND	
1	Y=499107.0 N X=761635.4 E
2	Y=493826.6 N X=761673.4 E
3	Y=491187.3 N X=761692.5 E
4	Y=488547.8 N X=761711.3 E
5	Y=488562.6 N X=764238.7 E
6	Y=493844.2 N X=764203.2 E
7	Y=499120.5 N X=764165.7 E

OPERATOR CERTIFICATION

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11/13/19
Signature Date

RONI MATHEW
Printed Name

RONI_MATHEW@OXY.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.

MARCH 12, 2019
Date of Survey

Signature & Seal of Professional Surveyor

CHAD L. HARCROW
NEW MEXICO
17777
LICENSED PROFESSIONAL SURVEYOR

4/4/19
Certificate No. CHAD HARCROW 17777

W.O. # 19-476 DRAWN BY: AM

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FEB 28 2020
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DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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

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

☐ AMENDED REPORT
As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-45957	51687	RED TANK; BONE SPRING; EAST

Property Code	Property Name	Well Number
325625	AVOGATO 30_31 STATE COM	12H

OGRID No.	Operator Name	Elevation
16696	OXY USA, INC.	3705.6'

Surface Location

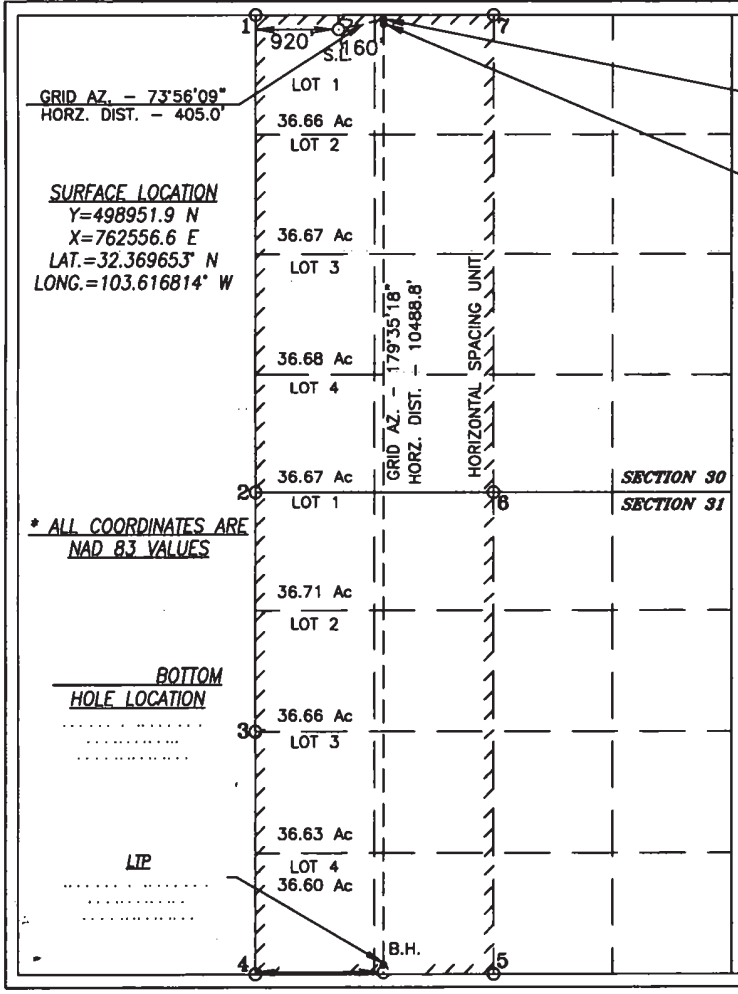
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	30	22-S	33-E		160	NORTH	920	WEST	LEA

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
N	31	22-S	33-E		22	SOUTH	1426	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
613.28			

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



POINT LEGEND	
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4	Y=488547.8 N X=761711.3 E
5	Y=488562.6 N X=764238.7 E
6	Y=493844.2 N X=764203.2 E
7	Y=499120.5 N X=764165.7 E

OPERATOR CERTIFICATION

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

11/25/19
Signature Date

RONI MATHEW
Printed Name

RONI_MATHEW@OXY.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.

MARCH 12, 2019
Date of Survey

Signature & Seal of Professional Surveyor

CHAD L. HARCROW
NEW MEXICO
17777
LICENSED PROFESSIONAL SURVEYOR

4/3/19

Certificate No. CHAD HARCROW 17777

W.O. # 19-471 DRAWN BY: AM

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 RD., 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

OCT 25 2019

RECEIVED

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

☑ AMENDED REPORT
As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-~~45960~~ 45760	51687	RED TANK; BONE SPRING, EAST

Property Code	Property Name	Well Number
325625	AVOGATO 30_31 STATE COM	24H

OGRID No.	Operator Name	Elevation
16696	OXY USA, INC.	3686.0'

Surface Location

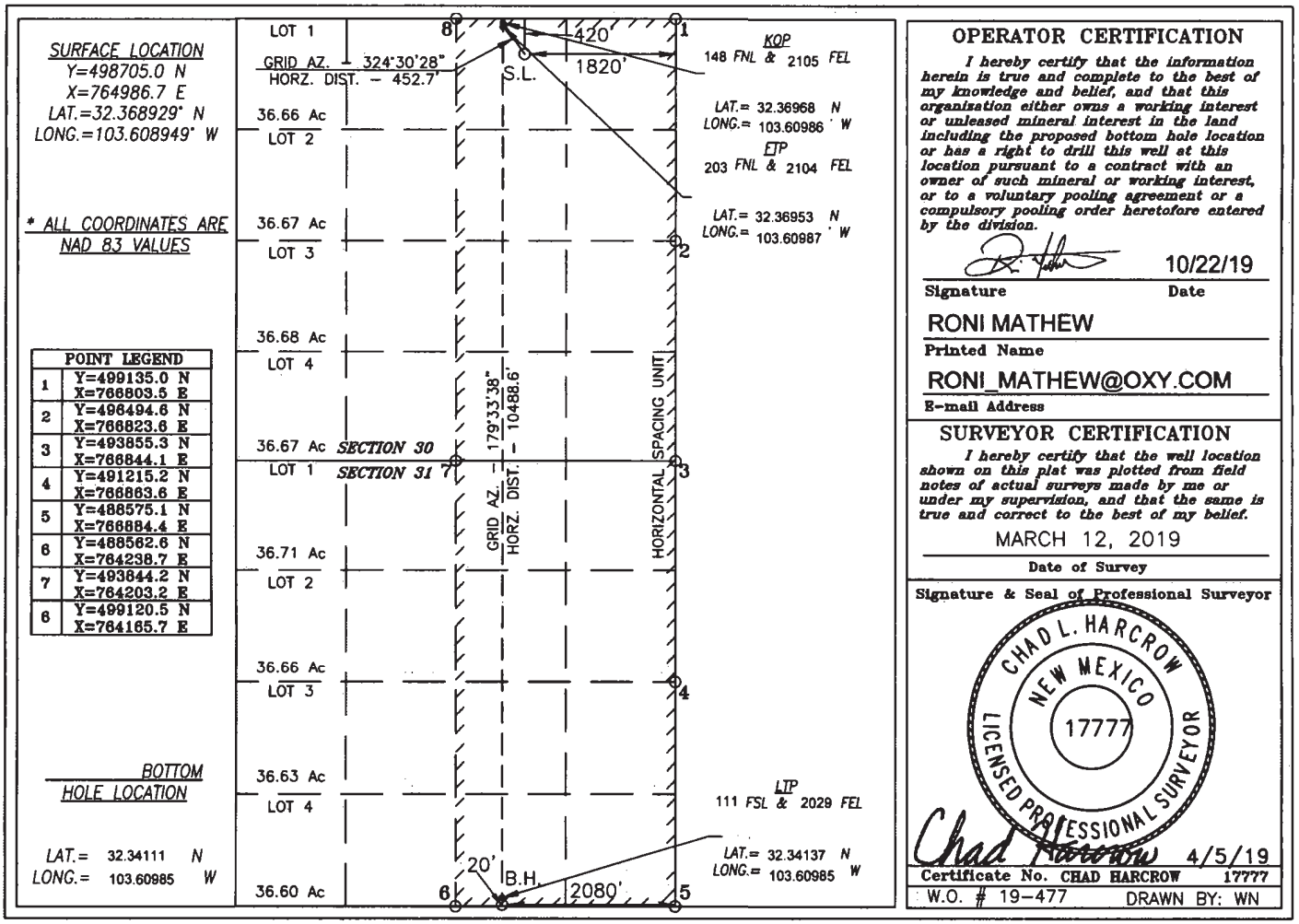
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	30	22-S	33-E		420	NORTH	1820	EAST	LEA

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
O	31	22-S	33-E		17	SOUTH	2029	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
640			

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.

10/22/19
Signature Date

RONI MATHEW
Printed Name

RONI_MATHEW@OXY.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.

MARCH 12, 2019
Date of Survey

Signature & Seal of Professional Surveyor

CHAD L. HARCROW
NEW MEXICO
17777
LICENSED PROFESSIONAL SURVEYOR

4/5/19

Certificate No. CHAD HARCROW 17777

W.O. # 19-477 DRAWN BY: WN

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HOBBS OCD
OCT 25 2019
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☑ AMENDED REPORT
As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-~~45960~~ 45961	51687	RED TANK; BONE SPRING, EAST

Property Code	Property Name	Well Number
325625	AVOGATO 30_31 STATE COM	25H

OGRID No.	Operator Name	Elevation
16696	OXY USA INC	3685.2'

Surface Location

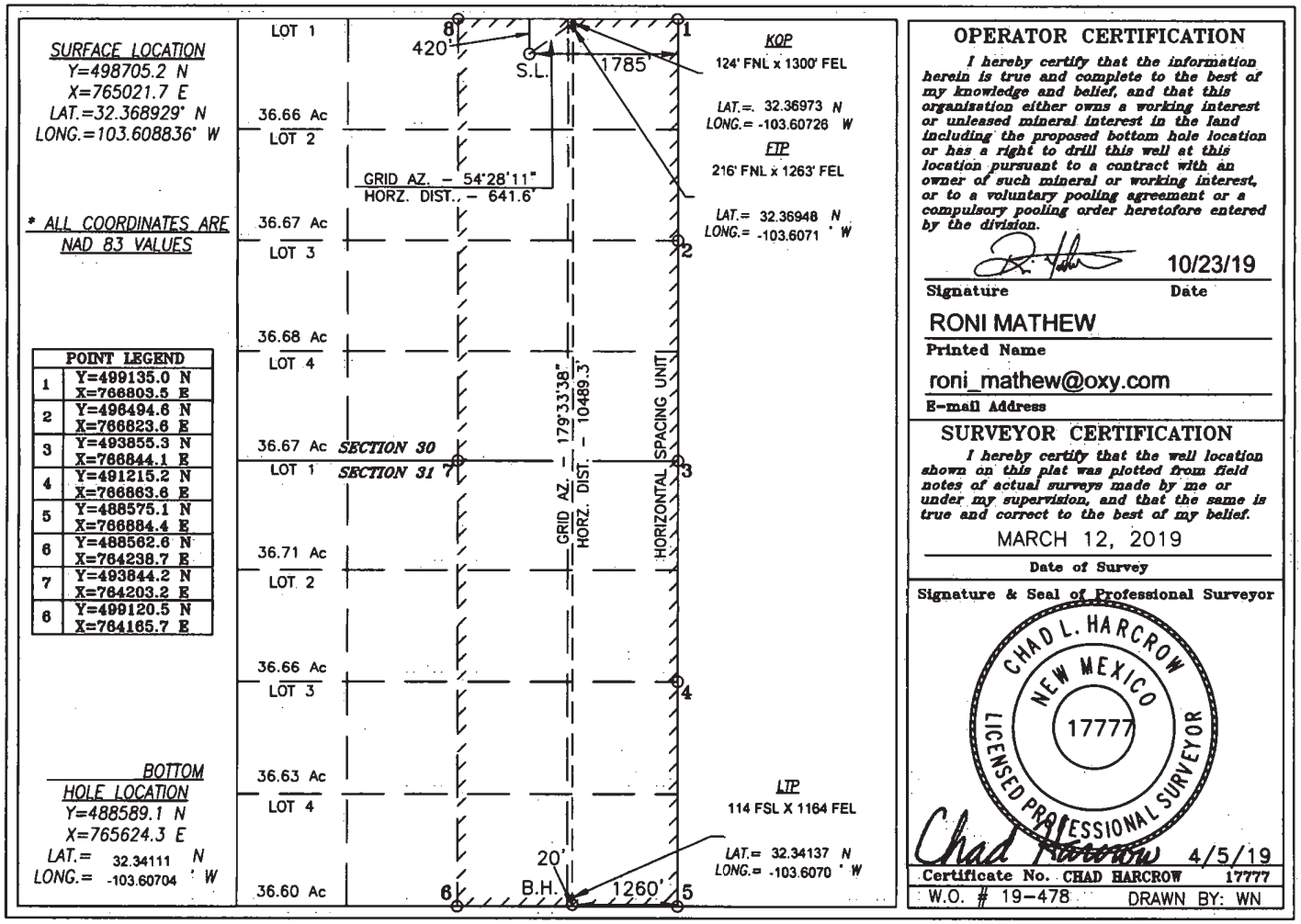
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	30	22-S	33-E		420	NORTH	1785	EAST	LEA

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
P	31	22-S	33-E		22	SOUTH	1163	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
640			

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.

10/23/19
Signature Date

RONI MATHEW
Printed Name

roni_mathew@oxy.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.

MARCH 12, 2019
Date of Survey

Signature & Seal of Professional Surveyor

CHAD L. HARCROW
NEW MEXICO
17777
LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 4/5/19
Certificate No. CHAD HARCROW 17777

W.O. # 19-478 DRAWN BY: WN

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DEC 30 2019
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-45964	51687	RED TANK; BONE SPRING;EAST

Property Code	Property Name	Well Number
325625	AVOGATO 30_31 STATE COM	74H

OGRID No.	Operator Name	Elevation
16696	OXY USA INC	3669.4'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	30	22-S	33-E		160	NORTH	1155	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
P	31	22-S	33-E		21	SOUTH	357	EAST	LEA

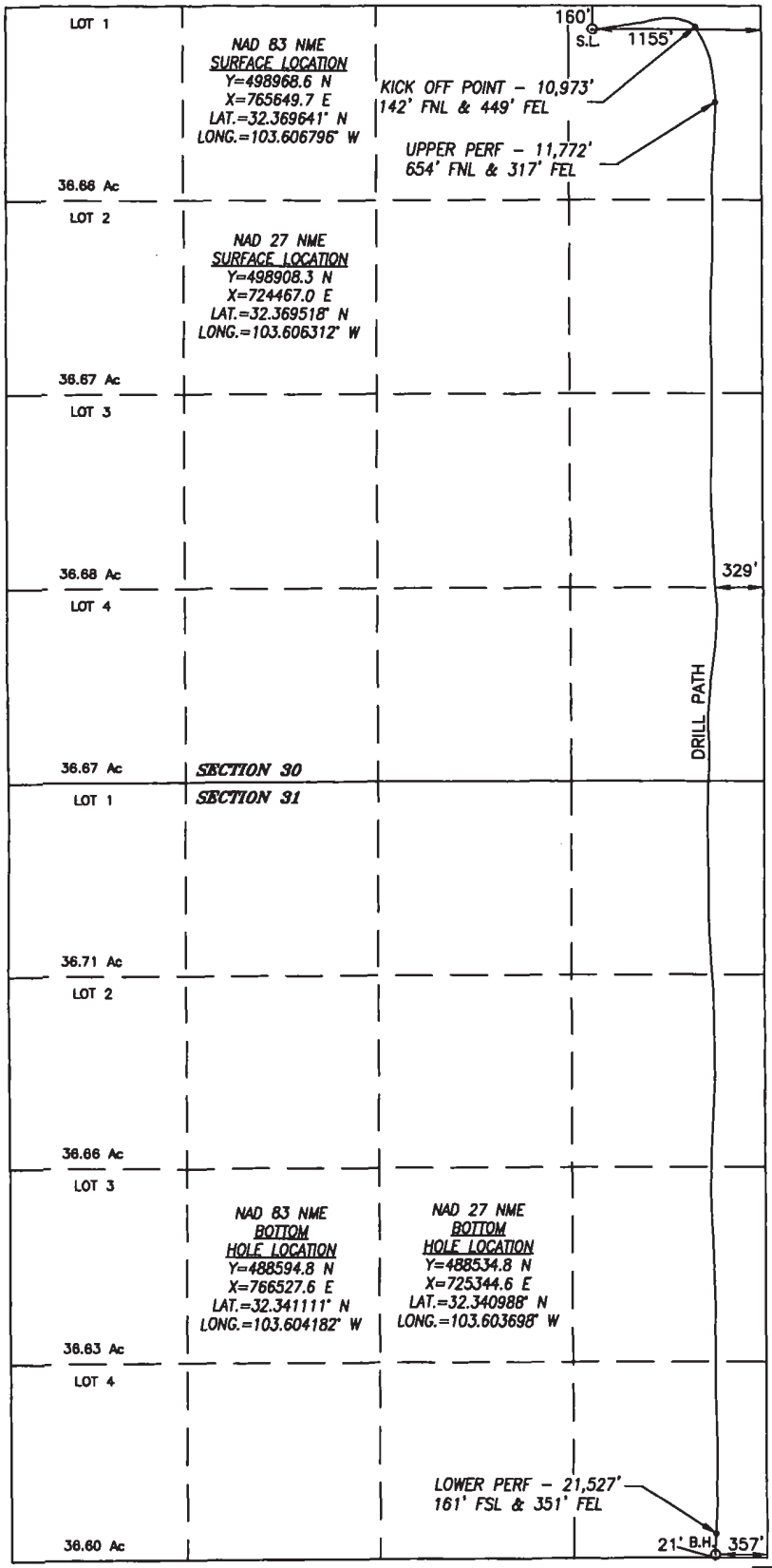
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
640			

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

SEE PAGE 2

PAGE 1 OF 2
W.O. #19-2359 DRAWN BY: WN

Property Code	Property Name	Well Number
325625	AVOGATO 30_31 STATE COM	74H
OGRID No.	**Operator Name**	**Elevation**
16696	OXY USA	3669.4'



SURFACE INFO AND BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY OXY USA FOR THE AVOGATO 30_31 STATE COM 74H SUPPLIED TO HARCROW SURVEYING, LLC ON DECEMBER 20, 2019

1200 0 1200

SCALE: 1"=1200'

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.

Roni Mathew 12/23/19

Signature Date

RONI MATHEW

Printed Name

RONI_MATHEW@OXY.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.

MAR. 12, 2019/NOV. 6, 2019

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor

CHAD L. HARCROW
NEW MEXICO
17777
LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 12/20/19

Certificate No. CHAD HARCROW 17777

PAGE 2 OF 2 | W.O. #19-2359 | DRAWN BY: WN

Side 1

INJECTION WELL DATA SHEET

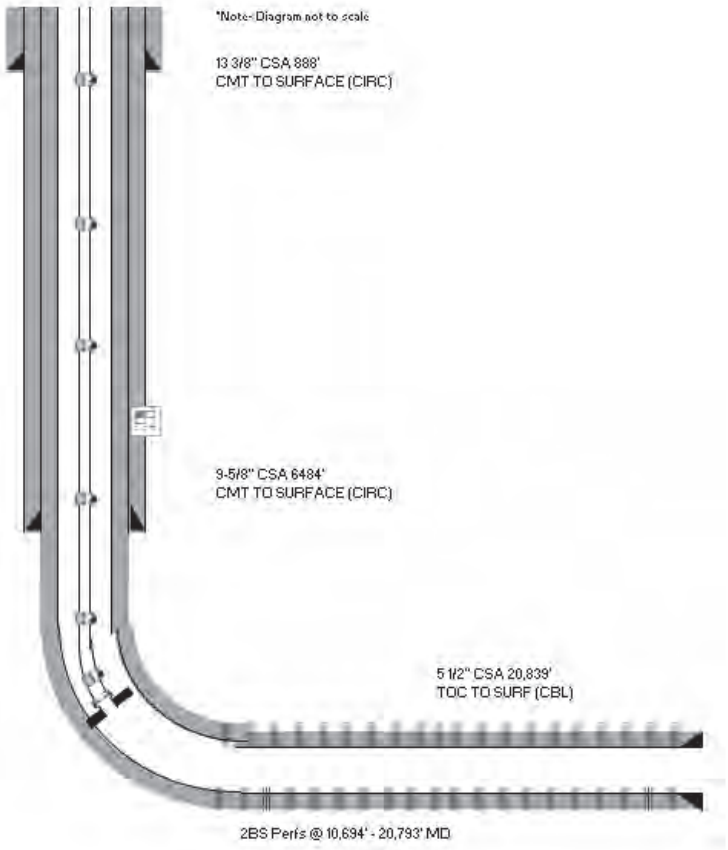
OPERATOR: OXY USA INC

WELL NAME & NUMBER: TACO CAT 27-34 FEDERAL COM 21H

WELL LOCATION: 260 FNL 785 FWL | D | 27 | 22S | 32E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5 Casing Size: 13.375

Cemented with: 1100 sx. *or* _____ ft^3

Top of Cement: 0 FT MD Method Determined: CBL

Intermediate Casing

Hole Size: 12.25 Casing Size: 9.625

Cemented with: 1685 sx. *or* _____ ft^3

Top of Cement: 0 FT MD Method Determined: CBL

Production Casing

Hole Size: 8.5 Casing Size: 5.5

Cemented with: 2335 sx. *or* _____ ft^3

Top of Cement: 0 FT MD Method Determined: CBL

Total Depth: 20,839' MD/ 10,848' TVD

Injection Interval

10,694' MD/ 10,526' TVD feet to 20,793' MD/ 10,849' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.375 Lining Material: NONE

Type of Packer: NONE- ANNULAR FLOW GAS LIFT

Packer Setting Depth: _____

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   OVERLYING: FIRST BONE SPRING

   UNDERLYING: HARKEY

Side 1

INJECTION WELL DATA SHEET

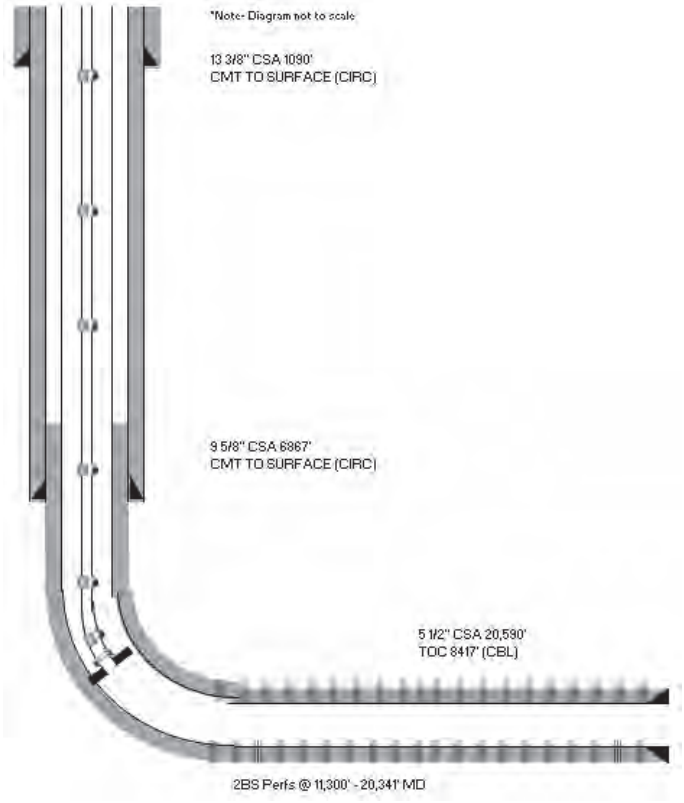
OPERATOR: OXY USA INC

WELL NAME & NUMBER: RED TANK 30 31 STATE COM 24Y

WELL LOCATION: 200 FNL 270 FEL | A | 30 | 22S | 33E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5 Casing Size: 13.625

Cemented with: 1165 sx. *or* _____ ft³

Top of Cement: 0 Method Determined: CBL

Intermediate Casing

Hole Size: 12.25 Casing Size: 9.625

Cemented with: 2385 sx. *or* _____ ft³

Top of Cement: 0 Method Determined: CBL

Production Casing

Hole Size: 8.5 Casing Size: 5.5

Cemented with: 2260 sx. *or* _____ ft³

Top of Cement: 8417 Method Determined: CBL

Total Depth: 20,590' MD/ 10,864' TVD

Injection Interval

11,300' MD/ 10,860' TVD feet to 20,341' MD/ 10,887' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.875 Lining Material: NONE

Type of Packer: RETRIEVABLE PACKER

Packer Setting Depth: 10307' MD/ 9959' TVD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? _____
   HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____
   NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____
   UNDERLYING: HARKEY

   OVERLYING: FIRST BONE SPRING

Side 1

INJECTION WELL DATA SHEET

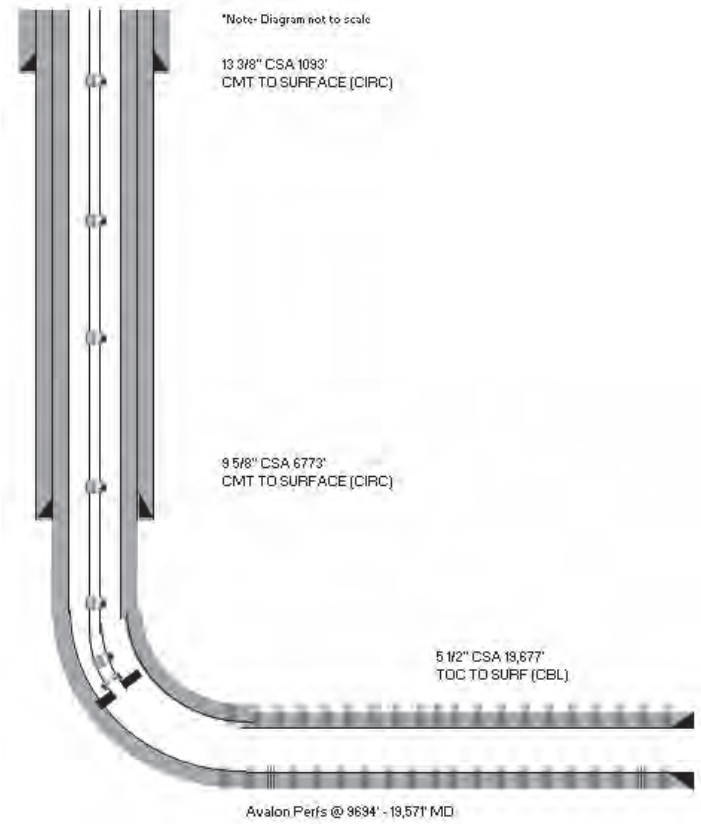
OPERATOR: OXY USA INC

WELL NAME & NUMBER: RED TANK 30 31 STATE COM 14H

WELL LOCATION: 200 FNL 710 FEL | A | 30 | 22S | 33E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5 Casing Size: 13.375

Cemented with: 1450 sx. *or* ft³

Top of Cement: 0 Method Determined: CBL

Intermediate Casing

Hole Size: 12.25 Casing Size: 9.625

Cemented with: 3125 sx. *or* ft³

Top of Cement: 0 Method Determined: CBL

Production Casing

Hole Size: 8.5 Casing Size: 5.5

Cemented with: 1805 sx. *or* ft³

Top of Cement: 8417 Method Determined: CBL

Total Depth: 19,677' MD/ 9407' TVD

Injection Interval

9694' MD/ 9416' TVD feet to 19,571' MD/ 9407' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.875 Lining Material: NONE

Type of Packer: 7K L80

Packer Setting Depth: 8995' MD/ 9003' TVD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? _____
   HYDROCARBON PRODUCTION

2. Name of the Injection Formation: AVALON

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____
   NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____
   UNDERLYING: 1ST BONE SPRING

   OVERLYING: BRUSHY CANYON

Side 1

INJECTION WELL DATA SHEET

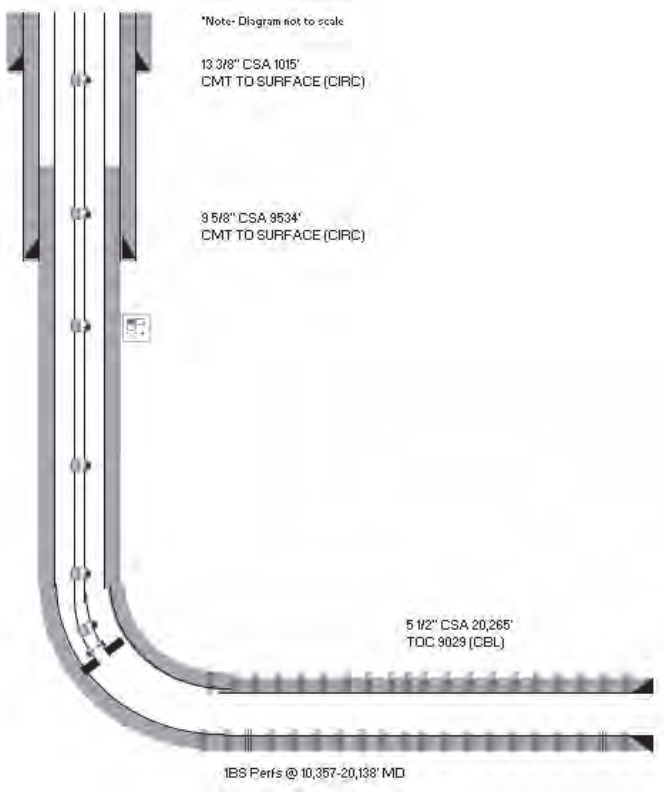
OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 4H

WELL LOCATION: 160 FNL 1120 FWL | A | 30 | 22S | 33E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5 Casing Size: 13.375

Cemented with: 1340 sx. *or* _____ ft^3

Top of Cement: 0 FT MD Method Determined: CBL

Intermediate Casing

Hole Size: 12.25 Casing Size: 9.625

Cemented with: 3594 sx. *or* _____ ft^3

Top of Cement: 0 FT MD Method Determined: CBL

Production Casing

Hole Size: 6.75 Casing Size: 5.5

Cemented with: 815 sx. *or* _____ ft^3

Top of Cement: 9029 FT MD Method Determined: CBL

Total Depth: 20265' MD/10,153' TVD

Injection Interval

10,357' MD/ 10,081' TVD feet to 20,138' MD/10,152' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.375 Lining Material: NONE

Type of Packer: NONE- ANNULAR FLOW GAS LIFT

Packer Setting Depth: _____

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 1ST BONE SPRING

3. Name of Field or Pool (if applicable): RED TANK; BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   UNDERLYING: FIRST BONE SPRING

   OVERLYING: BRUSHY CANYON

Side 1

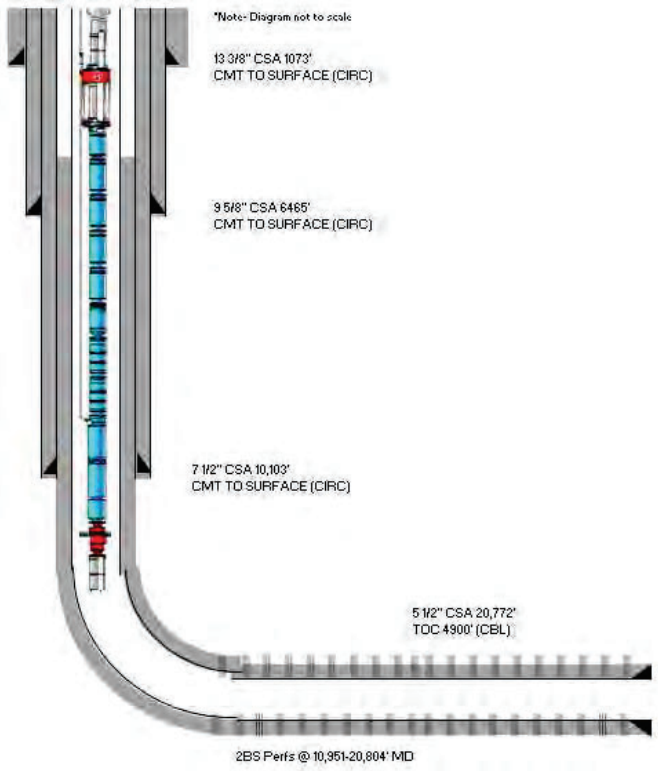
INJECTION WELL DATA SHEET

OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 21H

WELL LOCATION:	420 FNL 1350 FWL	C	30	22S	33E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5 Casing Size: 13.375

Cemented with: 1340 sx. *or* _____ ft^3

Top of Cement: 0 FT MD Method Determined: CBL

Intermediate Casing

Hole Size: 12.25 Casing Size: 9.625

Cemented with: 1213 sx. *or* _____ ft^3

Top of Cement: 0 FT MD Method Determined: CBL

Production Casing

Hole Size: 8.5 Casing Size: 5.5

Cemented with: 2569 sx. *or* _____ ft^3

Top of Cement: 4900 FT MD Method Determined: CBL

Total Depth: 20,772' MD/ 10,752' TVD

Injection Interval

10,951' MD/ 10,632' TVD feet to 20,804' MD/ 10,754' TVD(PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 3.5 Lining Material: NONE

Type of Packer: NONE - ELECTRIC SUBMERSIBLE PUMP

Packer Setting Depth: _____

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? _____
   HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____
   NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____
   OVERLYING: FIRST BONE SPRING

   UNDERLYING: HARKEY

Side 1

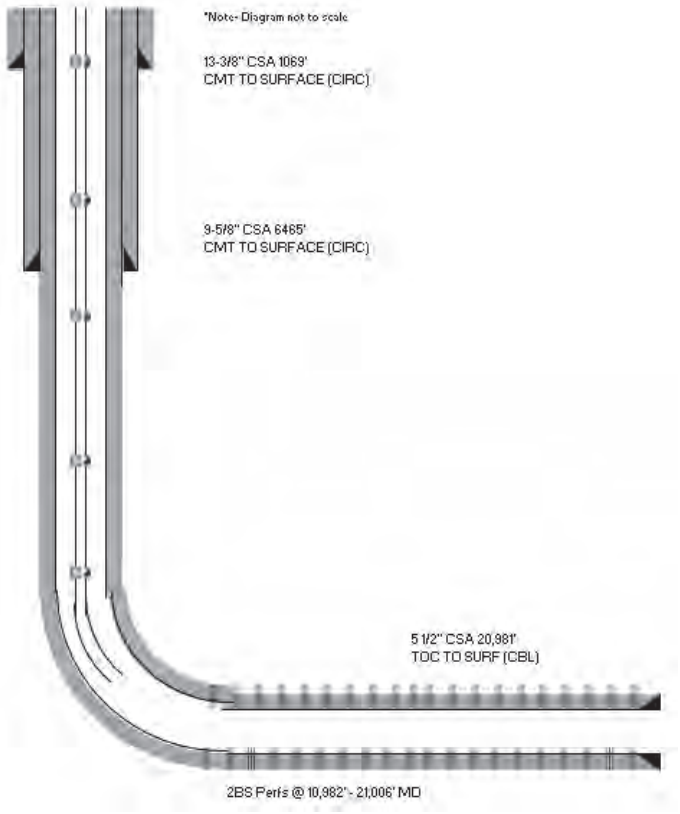
INJECTION WELL DATA SHEET

OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 22H

WELL LOCATION:	420 FNL 1385 FWL	C	30	22S	33E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5 Casing Size: 13.375

Cemented with: 1340 sx. *or* _____ ft³

Top of Cement: 0 FT MD Method Determined: CBL

Intermediate Casing

Hole Size: 12.25 Casing Size: 9.625

Cemented with: 1207 sx. *or* _____ ft³

Top of Cement: 0 FT MD Method Determined: CBL

Production Casing

Hole Size: 8.5 Casing Size: 5.5

Cemented with: 2892 sx. *or* _____ ft³

Top of Cement: 0 FT MD Method Determined: CBL

Total Depth: 21073' MD/ 10,890' TVD

Injection Interval

10,982' MD/ 10,781' TVD feet to 21,006' MD/ 10,890' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.375 Lining Material: NONE

Type of Packer: NO PACKER- ANNULAR GAS LIFT

Packer Setting Depth: _____

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? _____
   HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____
   NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____
   OVERLYING: FIRST BONE SPRING

   UNDERLYING: HARKEY

Side 1

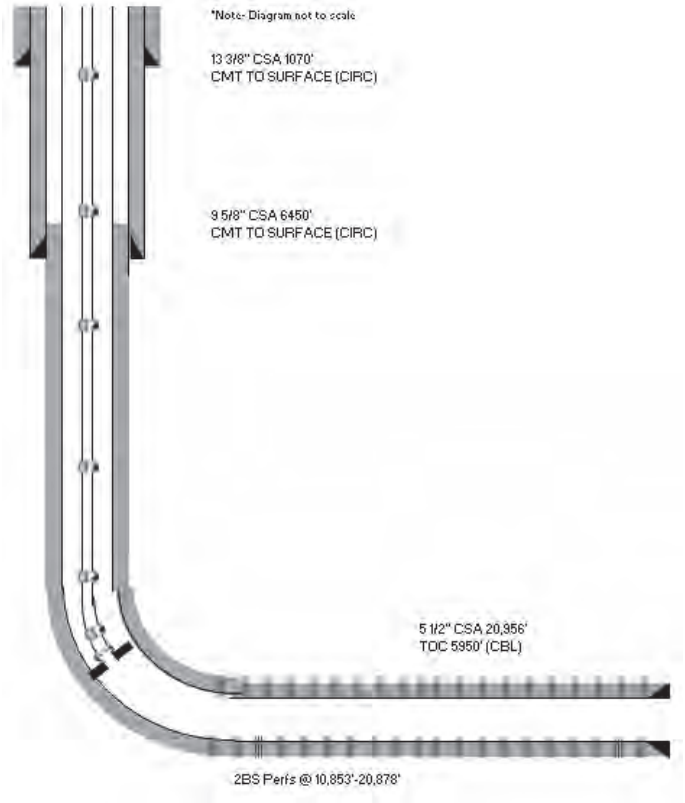
INJECTION WELL DATA SHEET

OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 23H

WELL LOCATION:	420 FNL 1420 FWL	C	30	22S	33E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5 Casing Size: 13.375

Cemented with: 1340 sx. *or* _____ ft^3

Top of Cement: 0 FT MD Method Determined: CBL

Intermediate Casing

Hole Size: 12.25 Casing Size: 9.625

Cemented with: 1210 sx. *or* _____ ft^3

Top of Cement: 0 FT MD Method Determined: CBL

Production Casing

Hole Size: 8.5 Casing Size: 5.5

Cemented with: 2710 FT MD sx. *or* _____ ft^3

Top of Cement: 5950 FT MD Method Determined: CBL

Total Depth: 20,956' MD/ 10,769' TVD

Injection Interval

10,853' MD/ 10,671' TVD feet to 20,878' MD/ 10,767' TVD(PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.875 Lining Material: NONE

Type of Packer: 2-3/8"x5.5" Packer

Packer Setting Depth: 10,517' MD/ 10,416' TVD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? _____
   HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____
   NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____
   OVERLYING: FIRST BONE SPRING

   UNDERLYING: HARKEY

Side 1

INJECTION WELL DATA SHEET

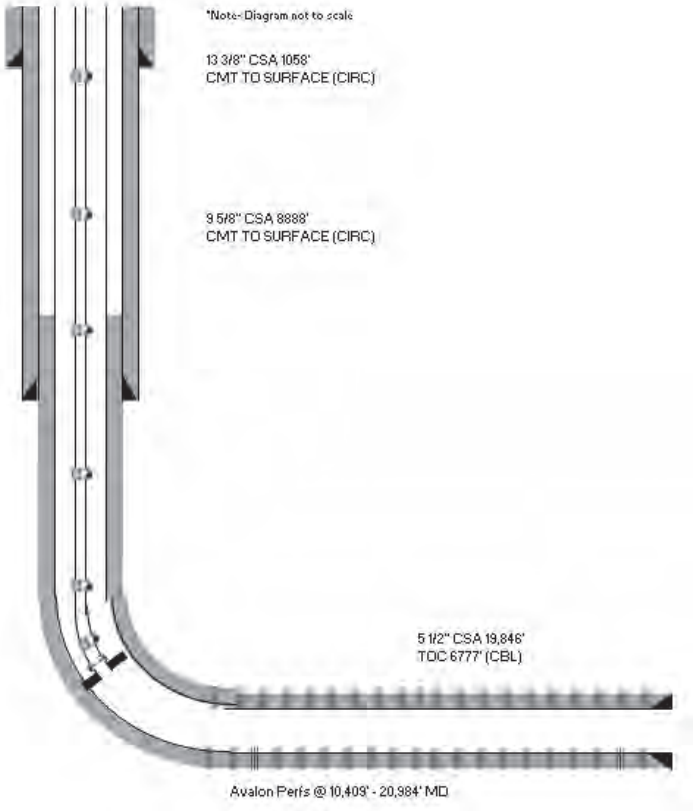
OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 12H

WELL LOCATION: 160 FNL 920 FEL | D | 30 | 22S | 33E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5 Casing Size: 13.375

Cemented with: 1340 sx. *or* _____ ft³

Top of Cement: 0 FT MD Method Determined: CBL

Intermediate Casing

Hole Size: 12.25 Casing Size: 9.625

Cemented with: 1670 sx. *or* _____ ft³

Top of Cement: 0 FT MD Method Determined: CBL

Production Casing

Hole Size: 8.5 Casing Size: 5.5

Cemented with: 2130 sx. *or* _____ ft³

Top of Cement: 6777 FT MD Method Determined: CBL

Total Depth: 19,846' MD/ 9613' TVD

Injection Interval

10,409' MD/ 9594' TVD feet to 20,984' MD/ 9613' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.375 Lining Material: NONE

Type of Packer: NO PACKER - ANNULAR FLOW GAS LIFT

Packer Setting Depth: _____

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: AVALON

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   OVERLYING: BRUSHY CANYON

   UNDERLYING: FIRST BONE SPRING

Side 1

INJECTION WELL DATA SHEET

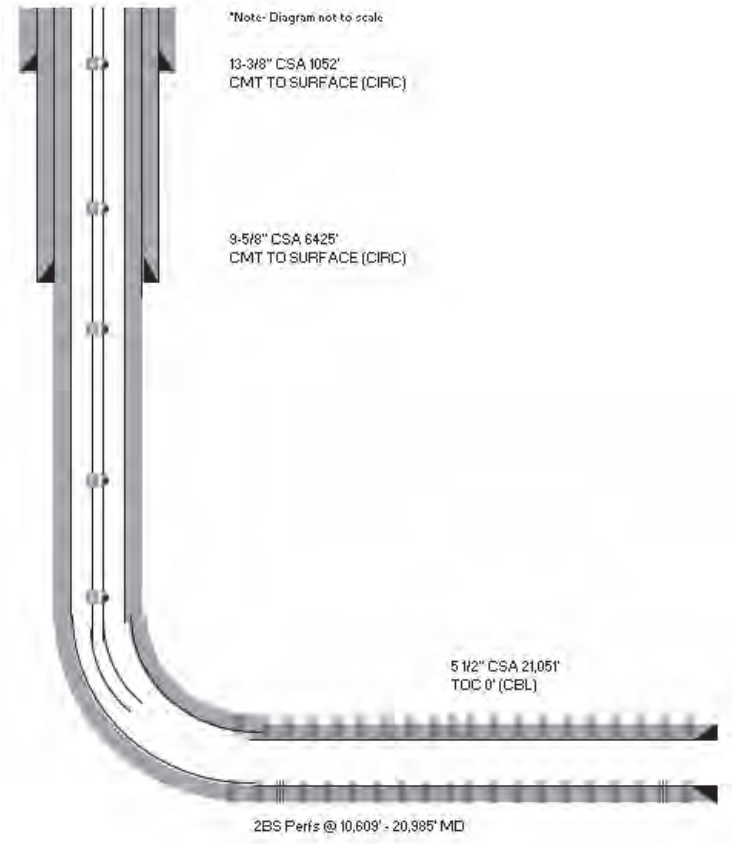
OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 24H

WELL LOCATION: 420 FNL 1820 FEL | B | 30 | 22S | 33E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5 Casing Size: 13.375

Cemented with: 1340 sx. *or* ft³

Top of Cement: 0 FT MD Method Determined: CBL

Intermediate Casing

Hole Size: 12.25 Casing Size: 9.625

Cemented with: 1165 sx. *or* ft³

Top of Cement: 0 FT MD Method Determined: CBL

Production Casing

Hole Size: 8.5 Casing Size: 5.5

Cemented with: 2485 sx. *or* ft³

Top of Cement: 0 FT MD Method Determined: CBL

Total Depth: 21,051' MD/ 10,960' TVD

Injection Interval

10,609' MD/ 10,545' TVD feet to 20,985' MD/ 10,959' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.875 Lining Material: NONE

Type of Packer: retrievable packer

Packer Setting Depth: 9870' MD / 9813' TVD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   OVERLYING: FIRST BONE SPRING

   UNDERLYING: HARKEY

Side 1

INJECTION WELL DATA SHEET

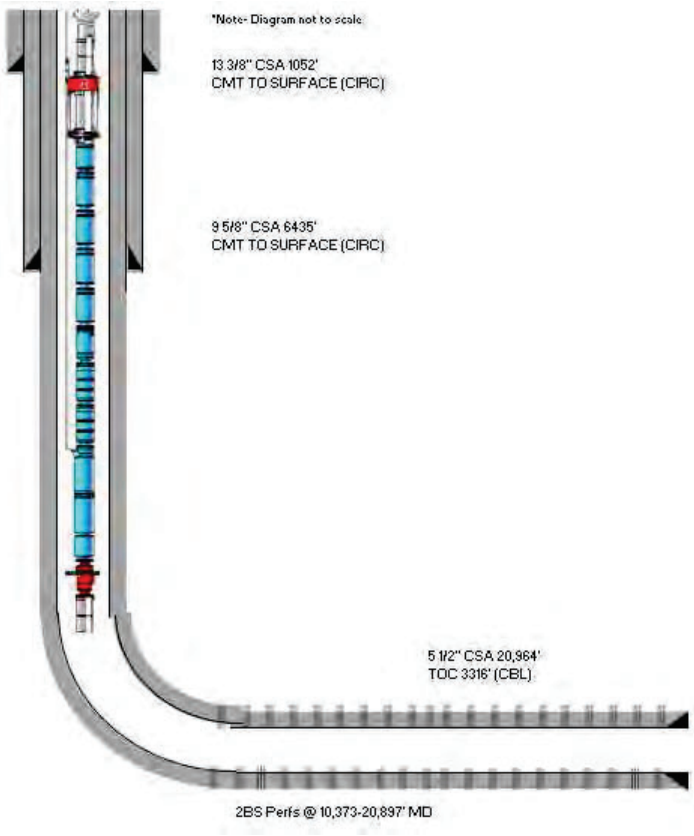
OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 25H

WELL LOCATION: 420 FNL 1785 FEL | B | 30 | 22S | 33E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5 Casing Size: 13.375

Cemented with: 1340 sx. *or* _____ ft^3

Top of Cement: 0 FT MD Method Determined: CBL

Intermediate Casing

Hole Size: 12.25 Casing Size: 9.625

Cemented with: 1165 sx. *or* _____ ft^3

Top of Cement: 0 FT MD Method Determined: CBL

Production Casing

Hole Size: 8.5 Casing Size: 5.5

Cemented with: 2470 sx. *or* _____ ft^3

Top of Cement: 3316 FT MD Method Determined: CBL

Total Depth: 20,964' MD/ 10,783' TVD

Injection Interval

10,373' MD/ 10,334' TVD feet to 20,897' MD/ 10, 782' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.875 Lining Material: NONE

Type of Packer: NO PACKER ELECTRIC SUBMERSIBLE PUMP

Packer Setting Depth: _____

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   UNDERLYING: THIRD BONE SPRING

   OVERLYING: FIRST BONE SPRING

Side 1

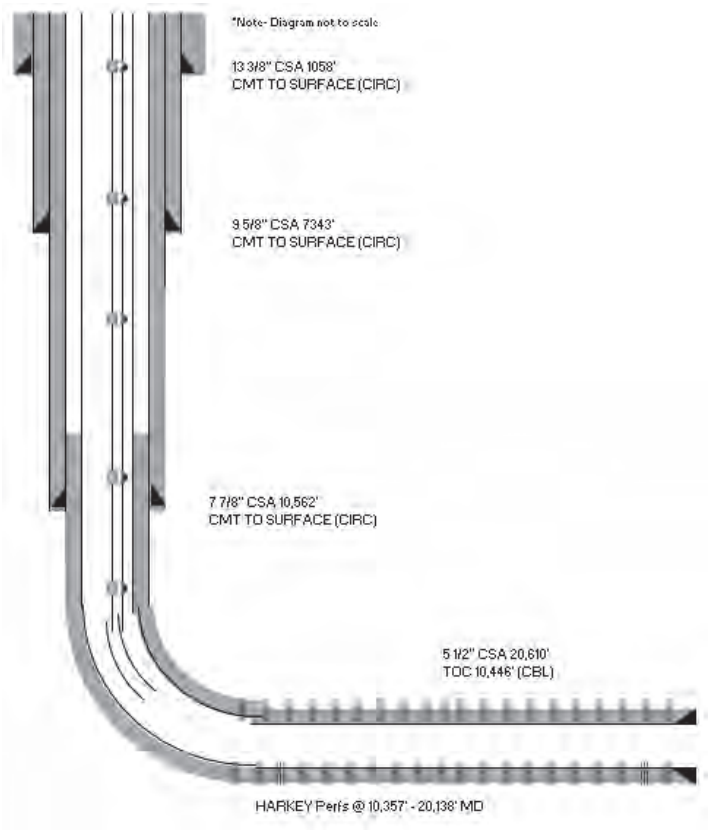
INJECTION WELL DATA SHEET

OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 74H

WELL LOCATION:	160 FNL 1155 FEL	A	30	22S	33E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5 Casing Size: 13.375

Cemented with: 1340 sx. *or* _____ ft^3

Top of Cement: 0 FT MD Method Determined: CBL

Intermediate Casing

Hole Size: 12.25/8.5 Casing Size: 9.625/7.875

Cemented with: 1447/472 sx. *or* _____ ft^3

Top of Cement: 0 FT MD Method Determined: CBL

Production Casing

Hole Size: 6.75 Casing Size: 5.5

Cemented with: 858 sx. *or* _____ ft^3

Top of Cement: 10446 FT MD Method Determined: CBL

Total Depth: 20,610' MD/ 11, 405' TVD

Injection Interval

10,357' MD/ 10,265' TVD feet to 20,138' MD/ 11,403' TVD(PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.375 Lining Material: NONE

Type of Packer: NO PACKER - CASING FLOW

Packer Setting Depth: _____

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: HARKEY

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   UNDERLYING: THIRD BONE SPRING

   OVERLYING: SECOND BONE SPRING

Max Allowable Surface Pressure (MASP) Table

	Column	1	2	3	4	5
	Calculation					
API10	Well Name	Proposed Max Allowable Surface Pressure (MASP) (PSI)	Current Average Surface Pressure (PSI)	Max Achievable Surface Pressure, Current Infrastructure (PSI)	Proposed Average Injection Rate (MMSCFPD)	Proposed Max Injection Rate (MMSCFPD)
30-025-44934	TACO CAT 27 34 FEDERAL COM #021H	1,300	1,087	1,300	3	4
30-025-44161	RED TANK 30 31 STATE COM #024Y	1,300	891	1,300	3	4
30-025-44193	RED TANK 30 31 STATE COM #014H	1,300	681	1,300	3	4
30-025-45923	AVOGATO 30 31 STATE COM #004H	1,300	1,012	1,300	3	4
30-025-45924	AVOGATO 30 31 STATE COM #021H	1,300	300	1,300	3	4
30-025-45925	AVOGATO 30 31 STATE COM #022H	1,300	1,050	1,300	3	4
30-025-45926	AVOGATO 30 31 STATE COM #023H	1,300	910	1,300	3	4
30-025-45957	AVOGATO 30 31 STATE COM #012H	1,300	921	1,300	3	4
30-025-45960	AVOGATO 30 31 STATE COM #024H	1,300	914	1,300	3	4
30-025-45961	AVOGATO 30 31 STATE COM #025H	1,300	200	1,300	3	4
30-025-45964	AVOGATO 30 31 STATE COM #074H	1,300	1,043	1,300	3	4

	Column	6	7	8	9	10	11	12	13	14	15
	Calculation				(1+6*7)/8		= 1/10				= (1+12*13) / (12/14)
API10	Well Name	Burst Calculation Depth (FT TVD)	Brine Pressure Gradient (PSI/FT)	Casing or Liner Burst (PSI)	MASP + Reservoir Brine Hydrostatic as a percentage of Casing or Liner Burst Pressure (%)	Top Perforation Depth (FT TVD)	MASP Gradient (PSI/FT)	Top Perforation Depth (FT TVD)	Gas Pressure Gradient (PSI/FT)	Formation Parting Pressure Gradient (PSI/FT)	MASP + Gas Hydrostatic as a percentage of Formation Parting Pressure (%)
30-025-44934	TACO CAT 27 34 FEDERAL COM #021H	10,586	0.468	12,640	49%	10,586	0.123	10,586	0.200	0.650	50%
30-025-44161	RED TANK 30 31 STATE COM #024Y	10,860	0.468	12,640	50%	10,860	0.120	10,860	0.200	0.650	49%
30-025-44193	RED TANK 30 31 STATE COM #014H	9,417	0.468	12,640	45%	9,417	0.138	9,417	0.200	0.650	52%
30-025-45923	AVOGATO 30 31 STATE COM #004H	10,082	0.468	12,640	48%	10,082	0.129	10,082	0.200	0.650	51%
30-025-45924	AVOGATO 30 31 STATE COM #021H	10,607	0.468	12,640	50%	10,607	0.123	10,607	0.200	0.650	50%
30-025-45925	AVOGATO 30 31 STATE COM #022H	10,781	0.468	12,640	50%	10,781	0.121	10,781	0.200	0.650	49%
30-025-45926	AVOGATO 30 31 STATE COM #023H	10,671	0.468	12,640	50%	10,671	0.122	10,671	0.200	0.650	50%
30-025-45957	AVOGATO 30 31 STATE COM #012H	10,455	0.468	12,640	49%	10,455	0.124	10,455	0.200	0.650	50%
30-025-45960	AVOGATO 30 31 STATE COM #024H	10,545	0.468	12,640	49%	10,545	0.123	10,545	0.200	0.650	50%
30-025-45961	AVOGATO 30 31 STATE COM #025H	10,334	0.468	12,640	49%	10,334	0.126	10,334	0.200	0.650	50%
30-025-45964	AVOGATO 30 31 STATE COM #074H	10,082	0.468	12,640	48%	10,082	0.129	10,082	0.200	0.650	51%

Mechanical Integrity Test (MIT) Summary Table

API10	Well Name	MIT #1	
		Date	Surface Pressure
30-025-44161	RED TANK 30 31 STATE COM #024Y	no record	
30-025-44193	RED TANK 30 31 STATE COM #014H	no record	
30-025-45923	AVOGATO 30 31 STATE COM #004H	12/5/2019	9800
30-025-45924	AVOGATO 30 31 STATE COM #021H	10/4/2019	9800
30-025-45925	AVOGATO 30 31 STATE COM #022H	10/11/2019	9800
30-025-45926	AVOGATO 30 31 STATE COM #023H	10/12/2019	9800
30-025-45957	AVOGATO 30 31 STATE COM #012H	11/4/2019	didn't record psi
30-025-45960	AVOGATO 30 31 STATE COM #024H	no record	
30-025-45961	AVOGATO 30 31 STATE COM #025H	no record	
30-025-45964	AVOGATO 30 31 STATE COM #074H	11/30/2019	9800
30-025-44934	TACO CAT 27 34 FEDERAL COM #021H	no record	

Red Tank Gas Source Well List

Note- Any additional wells drilled, completed, and added to this gas gathering system after the application filing date will be included in the gas source well list.

API10	Well Name	CTB
3002545956	AVOGATO 30-31 STATE COM 11H	Red Tank 19 CTB
3002545957	AVOGATO 30-31 STATE COM 12H	Red Tank 19 CTB
3002545958	AVOGATO 30-31 STATE COM 13H	Red Tank 19 CTB
3002545959	AVOGATO 30-31 STATE COM 14H	Red Tank 19 CTB
3002545924	AVOGATO 30-31 STATE COM 21H	Red Tank 19 CTB
3002545925	AVOGATO 30-31 STATE COM 22H	Red Tank 19 CTB
3002545926	AVOGATO 30-31 STATE COM 23H	Red Tank 19 CTB
3002545960	AVOGATO 30-31 STATE COM 24H	Red Tank 19 CTB
3002545961	AVOGATO 30-31 STATE COM 25H	Red Tank 19 CTB
3002545929	AVOGATO 30-31 STATE COM 31H	Red Tank 19 CTB
3002545927	AVOGATO 30-31 STATE COM 32H	Red Tank 19 CTB
3002545928	AVOGATO 30-31 STATE COM 33H	Red Tank 19 CTB
3002545930	AVOGATO 30-31 STATE COM 34H	Red Tank 19 CTB
3002545931	AVOGATO 30-31 STATE COM 35H	Red Tank 19 CTB
3002545923	AVOGATO 30-31 STATE COM 4H	Red Tank 19 CTB
3002545964	AVOGATO 30-31 STATE COM 74H	Red Tank 19 CTB
3002544161	RED TANK 30 31 STATE COM 024Y	Red Tank 19 CTB
3002544063	RED TANK 30 31 STATE COM 034H	Red Tank 19 CTB
3002544193	RED TANK 30-31 STATE COM 014H	Red Tank 19 CTB
3002541885	RED TANK 31 STATE 5H	Red Tank 19 CTB
3002548756	SENILE FELINES 18 7 STATE COM 311H	Red Tank 19 CTB
3002548758	SENILE FELINES 18 7 STATE COM 312H	Red Tank 19 CTB
3002548757	SENILE FELINES 18 7 STATE COM 313H	Red Tank 19 CTB
3002548751	SENILE FELINES 18 7 STATE COM 31H	Red Tank 19 CTB
3002548754	SENILE FELINES 18 7 STATE COM 34H	Red Tank 19 CTB
3002544933	TACO CAT 27 34 FEDERAL COM 11H	Red Tank 27/28 CTB
3002544934	TACO CAT 27 34 FEDERAL COM 21H	Red Tank 27/28 CTB
3002546949	TACO CAT 27 34 FEDERAL COM 24H	Red Tank 27/28 CTB
3002546934	TACO CAT 27 34 FEDERAL COM 25H	Red Tank 27/28 CTB
3002546935	TACO CAT 27 34 FEDERAL COM 26H	Red Tank 27/28 CTB
3002544935	TACO CAT 27 34 FEDERAL COM 31H	Red Tank 27/28 CTB
3002546925	TACO CAT 27 34 FEDERAL COM 32H	Red Tank 27/28 CTB
3002546926	TACO CAT 27 34 FEDERAL COM 33H	Red Tank 27/28 CTB
3002546936	TACO CAT 27 34 FEDERAL COM 34H	Red Tank 27/28 CTB
3002546937	TACO CAT 27 34 FEDERAL COM 35H	Red Tank 27/28 CTB

Red Tank Gas Analysis Summary 2/22/2023

- In 2022, the low-pressure and high-pressure gas systems were combined in Red Tank.
- The primary, third-party gas takeaway is Mark West.
- Central Tank Batteries (CTBs)
    - All producing wells flow to the Red Tank 19 CTB or the Red Tank 27/28 CTB.
    - See Gas Source Well List for list of wells.
    - All low-pressure gas lines are combined downstream of the CTBs.
- Centralized Gas Lift Compressors (CGLs)
    - All low-pressure gas lines connect to the Red Tank 19 CGL Station and Red Tank 26 CGL Station.
    - CGLs increase pressure from ~70 psig to ~1250 psig.
    - All high-pressure gas lines are combined downstream of the CGLs.
- Gas analysis is provided for:
    - Injection gas
    - Avalon production
    - First Bone Spring production
    - Second Bone Spring production
    - Harkey production

Natural Gas Analysis Report

GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

	Sample Information
Sample Name	RED TANK BOO OUTLET A
WELL NAME/EU#/FMP#	RED TANK BOO OUTLET A/ 16299C
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	12-7-2022
Air temperature	61
Flow Rate (MCF/Day)	35323.47
Heat Tracing	Heated Hose & Gasifier
Type of Sample	spot-cylinder
Sampling Method	fill and empty
Operator	AKM MEASUREMENT
State	New Mexico
Region Name	Permian EOR
API#	NA
Feild	EAST
Sampling point	SAMPLE PROBE
Method Name	C9
Injection Date	2023-01-04 09:32:59
Report Date	2023-01-04 09:37:29
EZReporter Configuration File	6-17-2022 OXY GPA C9+ H2S #2.cfgx
Source Data File	deef27a1-bbbf-4190-9370-bf7235ce6ff4
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	INFICON Fusion Connector

Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	35113.5	1.9809	0.00005642	1.9819	0.0	0.01917	0.219	
Methane	1029730.2	75.2428	0.00007307	75.2804	762.1	0.41698	12.804	
CO2	62268.9	2.9380	0.00004718	2.9395	0.0	0.04467	0.503	
Ethane	253594.1	11.5242	0.00004544	11.5300	204.5	0.11970	3.094	
H2S	0.0	0.0012	0.00000000	0.0012	0.0	0.00001	0.000	
Propane	171344.9	5.5694	0.00003250	5.5722	140.5	0.08484	1.540	
iso-butane	56016.2	0.6200	0.00001107	0.6203	20.2	0.01245	0.204	
n-Butane	131365.6	1.4400	0.00001096	1.4407	47.1	0.02891	0.456	
iso-pentane	24338.2	0.2349	0.00000965	0.2350	9.4	0.00585	0.086	
n-Pentane	24956.6	0.2343	0.00000939	0.2344	9.4	0.00584	0.085	
hexanes	12499.0	0.0933	0.00000747	0.0934	4.5	0.00278	0.039	
heptanes	9067.0	0.0544	0.00000600	0.0544	3.0	0.00188	0.025	
octanes	3214.0	0.0163	0.00000507	0.0163	1.0	0.00064	0.008	
nonanes+	60.0	0.0003	0.00000489	0.0003	0.0	0.00001	0.000	
Total:		99.9500		100.0000	1201.8	0.74374	19.063	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.9500		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	109.0		
Flowing Pressure (psia)	1244.0		
Gross Heating Value (BTU / Ideal cu.ft.)	1201.8	1180.9	
Gross Heating Value (BTU / Real cu.ft.)	1206.0	1185.5	
Relative Density (G), Real	0.7460	0.7442	

Monitored Parameter Report

		Lower Limit	Upper Limit	Status	
Total un-normalized amount	99.9500	97.0000	103.0000	Pass	

Natural Gas Analysis Report
GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

	Sample Information
Sample Name	RED TANK 19 CTB TEST 2 - AVOGATO 12H
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	02-01-2023
Meter Number	15602T
Air temperature	28
Flow Rate (MCF/Day)	3866
Heat Tracing	Heated Hose & Gasifier
Sample description/mtr name	RED TANK 19 CTB TEST 2 - AVOGATO 12H
Sampling Method	fill and empty
Operator	AKM MEASUREMENT
State	New Mexico
Region Name	PERMIAN_RESOURCES
Asset	NEW MEXICO
System	EAST
FLOC	OP-L2154-WELLS-WPI-0000003
Sample Sub Type	PRODUCTION
Sample Name Type	WELL
Vendor	AKM MEASUREMENT
Cylinder #	5577
Sampled by	JONATHAN ALDRICH
Sample date	2-17-2023
Analyzed date	2-20-2023
Method Name	C9
Injection Date	2023-02-20 09:05:58
Report Date	2023-02-20 09:10:21
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	08344528-2750-4699-a357-8df8fac3148e
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	INFICON Fusion Connector

Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	48186.5	2.7157	0.00005636	2.7212	0.0	0.02632	0.300	
Methane	999802.4	73.2513	0.00007327	73.3991	743.0	0.40656	12.484	
CO2	147234.2	6.9584	0.00004726	6.9724	0.0	0.10595	1.194	
Ethane	206923.5	9.4164	0.00004551	9.4355	167.4	0.09796	2.532	
H2S	0.0	0.0020	0.00000000	0.0020	0.0	0.00002	0.000	
Propane	142823.5	4.6801	0.00003277	4.6896	118.3	0.07140	1.296	
iso-butane	49569.7	0.5509	0.00001111	0.5520	18.0	0.01108	0.181	
n-Butane	119289.9	1.3103	0.00001098	1.3130	42.9	0.02635	0.415	
iso-pentane	30197.3	0.2933	0.00000971	0.2939	11.8	0.00732	0.108	
n-Pentane	31952.1	0.3025	0.00000947	0.3032	12.2	0.00755	0.110	
hexanes	21519.0	0.1635	0.00000760	0.1638	7.8	0.00487	0.068	
heptanes	15914.0	0.0994	0.00000624	0.0996	5.5	0.00345	0.046	
octanes	7604.0	0.0424	0.00000558	0.0425	2.7	0.00168	0.022	
nonanes+	1967.0	0.0122	0.00000619	0.0122	0.9	0.00054	0.007	
Total:		99.7985		100.0000	1130.4	0.77104	18.763	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.7985		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	48.0		
Flowing Pressure (psia)	112.1		

Result	Dry	Sat.	
Gross Heating Value (BTU / Ideal cu.ft.)	1130.4	1110.7	
Gross Heating Value (BTU / Real cu.ft.)	1134.4	1115.1	
Relative Density (G), Real	0.7734	0.7711	

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status	
Total un-normalized amount	99.7986	97.0000	103.0000	Pass	

Natural Gas Analysis Report
GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

	Sample Information
Sample Name	RED TANK 19 CTB TEST 1 - AVOGATO 4H
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	02-01-2023
Meter Number	15602T
Air temperature	28
Flow Rate (MCF/Day)	3765
Heat Tracing	Heated Hose & Gasifier
Sample description/mtr name	RED TANK 19 CTB TEST 1 - AVOGATO 4H
Sampling Method	fill and empty
Operator	AKM MEASUREMENT
State	New Mexico
Region Name	PERMIAN_RESOURCES
Asset	NEW MEXICO
System	EAST
FLOC	OP-L2154-WELLS-WPI-0000001
Sample Sub Type	PRODUCTION
Sample Name Type	WELL
Vendor	AKM MEASUREMENT
Cylinder #	1951
Sampled by	JONATHAN ALDRICH
Sample date	2-17-2023
Analyzed date	2-20-2023
Method Name	C9
Injection Date	2023-02-20 08:35:10
Report Date	2023-02-20 08:39:41
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	10887b57-476b-466c-81b6-c458f1ed6b0e
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	INFICON Fusion Connector

Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	40494.7	2.2822	0.00005636	2.2934	0.0	0.02218	0.253	
Methane	989287.8	72.4809	0.00007327	72.8353	737.3	0.40343	12.391	
CO2	110434.5	5.2192	0.00004726	5.2447	0.0	0.07969	0.898	
Ethane	229423.3	10.4403	0.00004551	10.4914	186.1	0.10892	2.816	
H2S	0.0	0.0030	0.00000000	0.0030	0.0	0.00004	0.000	
Propane	169309.3	5.5480	0.00003277	5.5751	140.6	0.08488	1.541	
iso-butane	60658.0	0.6741	0.00001111	0.6774	22.1	0.01359	0.222	
n-Butane	150224.5	1.6501	0.00001098	1.6582	54.2	0.03328	0.525	
iso-pentane	36481.2	0.3544	0.00000971	0.3561	14.3	0.00887	0.131	
n-Pentane	39885.8	0.3777	0.00000947	0.3795	15.2	0.00945	0.138	
hexanes	30703.0	0.2333	0.00000760	0.2344	11.2	0.00697	0.097	
heptanes	26031.0	0.1626	0.00000624	0.1634	9.0	0.00565	0.076	
octanes	13089.0	0.0730	0.00000558	0.0734	4.6	0.00289	0.038	
nonanes+	2359.0	0.0146	0.00000619	0.0147	1.0	0.00065	0.008	
Total:		99.5135		100.0000	1195.7	0.78052	19.134	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.5135		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	68.0		
	124.0		

Result	Dry	Sat.
Gross Heating Value (BTU / Ideal cu.ft.)	1195.7	1174.9
Gross Heating Value (BTU / Real cu.ft.)	1200.2	1179.8
Relative Density (G), Real	0.7831	0.7807

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	99.5135	97.0000	103.0000	Pass

Natural Gas Analysis Report
GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

	Sample Information
Sample Name	RED TANK 19 CTB TEST 7 - AVOGATO 24H
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	02-01-2023
Meter Number	15607T
Air temperature	28
Flow Rate (MCF/Day)	1305.4
Heat Tracing	Heated Hose & Gasifier
Sample description/mtr name	RED TANK 19 CTB TEST 7 -AVOGATO 24H
Sampling Method	fill and empty
Operator	AKM MEASUREMENT
State	New Mexico
Region Name	PERMIAN_RESOURCES
Asset	NEW MEXICO
System	EAST
FLOC	OP-L2154-WELLS-WPI-0000009
Sample Sub Type	PRODUCTION
Sample Name Type	WELL
Vendor	AKM MEASUREMENT
Cylinder #	1246
Sampled by	JONATHAN ALDRICH
Sample date	2-17-2023
Analyzed date	2-20-2023
Method Name	C9
Injection Date	2023-02-20 10:34:34
Report Date	2023-02-20 10:39:51
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	9cc93a6d-5885-419b-95bd-431d20c94d76
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	INFICON Fusion Connector

Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	39084.4	2.2028	0.00005636	2.2084	0.0	0.02136	0.244	
Methane	999831.5	73.2534	0.00007327	73.4426	743.5	0.40680	12.495	
CO2	67106.4	3.1715	0.00004726	3.1797	0.0	0.04832	0.545	
Ethane	254356.0	11.5749	0.00004551	11.6048	205.8	0.12048	3.114	
H2S	0.0	0.0015	0.00000000	0.0015	0.0	0.00002	0.000	
Propane	182914.5	5.9938	0.00003277	6.0093	151.5	0.09149	1.661	
iso-butane	63457.3	0.7053	0.00001111	0.7071	23.0	0.01419	0.232	
n-Butane	157844.7	1.7338	0.00001098	1.7383	56.8	0.03488	0.550	
iso-pentane	37115.4	0.3605	0.00000971	0.3615	14.5	0.00901	0.133	
n-Pentane	40679.8	0.3852	0.00000947	0.3862	15.5	0.00962	0.140	
hexanes	22267.0	0.1692	0.00000760	0.1696	8.1	0.00505	0.070	
heptanes	20244.0	0.1264	0.00000624	0.1267	7.0	0.00438	0.059	
octanes	9627.0	0.0537	0.00000558	0.0538	3.4	0.00212	0.028	
nonanes+	1694.0	0.0105	0.00000619	0.0105	0.7	0.00046	0.006	
Total:		99.7425		100.0000	1230.0	0.76818	19.277	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.7425		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	50.0		
Flowing Pressure (psig)	114.9		

Result	Dry	Sat.
Gross Heating Value (BTU / Ideal cu.ft.)	1230.0	1208.6
Gross Heating Value (BTU / Real cu.ft.)	1234.6	1213.6
Relative Density (G), Real	0.7708	0.7685

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	99.7425	97.0000	103.0000	Pass

Natural Gas Analysis Report
GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

	Sample Information
Sample Name	RED TANK 19 CTB TEST 2 - AVOGATO 74H
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	02-01-2023
Meter Number	15602T
Air temperature	28
Flow Rate (MCF/Day)	1994.9
Heat Tracing	Heated Hose & Gasifier
Sample description/mtr name	RED TANK 19 CTB TEST 2 - AVOGATO 74H
Sampling Method	fill and empty
Operator	AKM MEASUREMENT
State	New Mexico
Region Name	PERMIAN_RESOURCES
Asset	NEW MEXICO
System	EAST
FLOC	OP-L2154-WELLS-WPI-0000016
Sample Sub Type	PRODUCTION
Sample Name Type	WELL
Vendor	AKM MEASUREMENT
Cylinder #	2746
Sampled by	JONATHAN ALDRICH
Sample date	2-17-2023
Analyzed date	2-20-2023
Method Name	C9
Injection Date	2023-02-20 08:49:49
Report Date	2023-02-20 08:53:55
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	57710727-215f-4e57-99d7-28688ceac72c
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	INFICON Fusion Connector

Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	36071.4	2.0329	0.00005636	2.0410	0.0	0.01974	0.225
Methane	1002465.2	73.4464	0.00007327	73.7362	746.5	0.40842	12.545
CO2	63558.5	3.0038	0.00004726	3.0157	0.0	0.04582	0.516
Ethane	251773.5	11.4574	0.00004551	11.5026	204.0	0.11942	3.087
H2S	0.0	0.0000	0.00000000	0.0000	0.0	0.00000	0.000
Propane	182746.3	5.9883	0.00003277	6.0120	151.6	0.09153	1.662
iso-butane	66571.1	0.7399	0.00001111	0.7428	24.2	0.01491	0.244
n-Butane	163952.6	1.8009	0.00001098	1.8080	59.1	0.03628	0.572
iso-pentane	37039.5	0.3598	0.00000971	0.3612	14.5	0.00900	0.133
n-Pentane	41338.7	0.3914	0.00000947	0.3930	15.8	0.00979	0.143
hexanes	24852.0	0.1888	0.00000760	0.1896	9.0	0.00564	0.078
heptanes	20769.0	0.1297	0.00000624	0.1302	7.2	0.00450	0.060
octanes	9581.0	0.0534	0.00000558	0.0536	3.4	0.00211	0.028
nonanes+	2267.0	0.0140	0.00000619	0.0141	1.0	0.00062	0.008
Total:		99.6069		100.0000	1236.3	0.76780	19.301

Results Summary

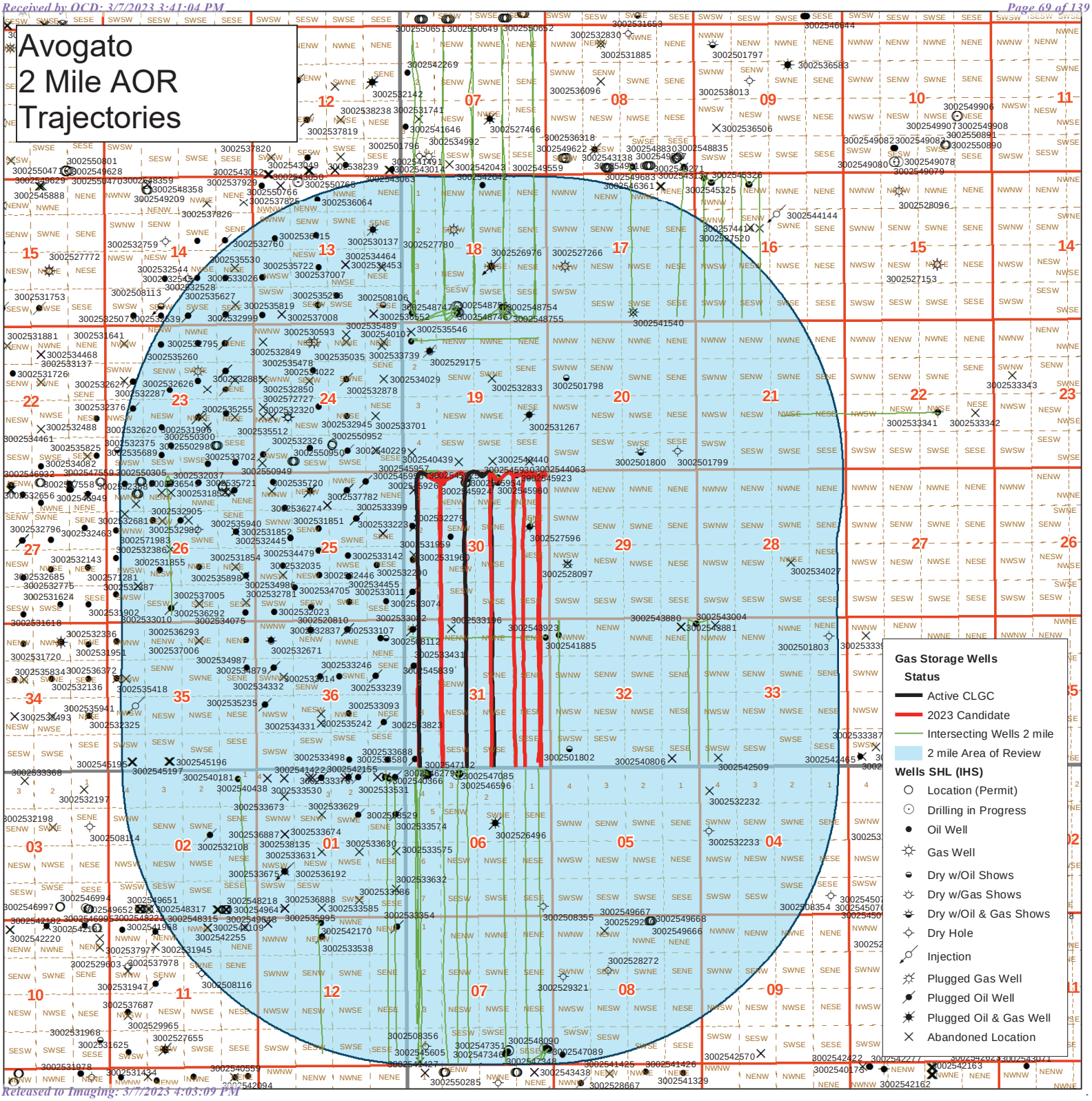
Result	Dry	Sat.
Total Un-Normalized Mole%	99.6069	
Pressure Base (psia)	14.730	
Temperature Base (Deg. F)	60.00	
Flowing Temperature (Deg. F)	60.0	
Flowing Pressure (psig)	115.7	

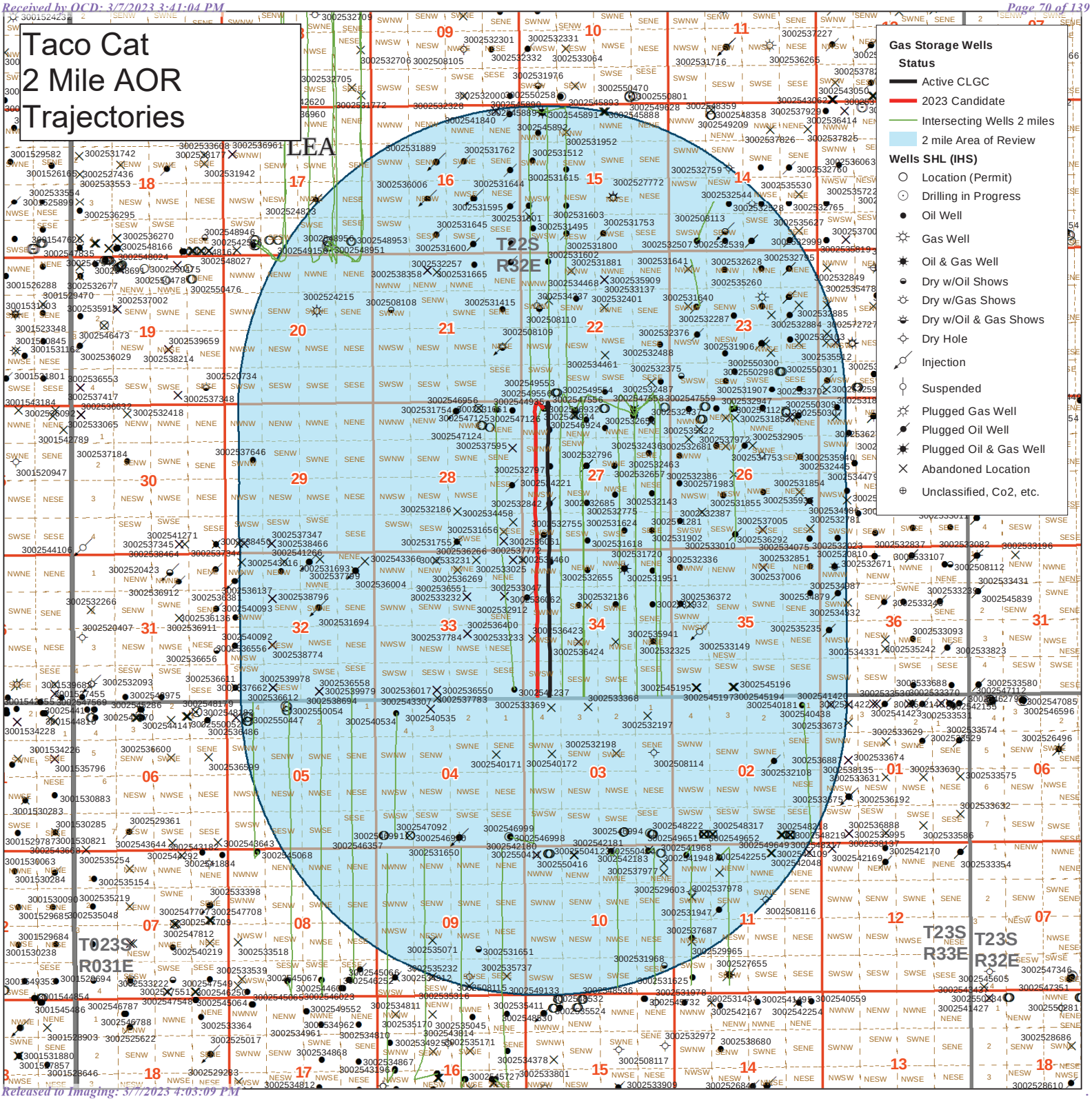
Result	Dry	Sat.
Gross Heating Value (BTU / Ideal cu.ft.)	1236.3	1214.8
Gross Heating Value (BTU / Real cu.ft.)	1241.0	1219.9
Relative Density (G), Real	0.7704	0.7682

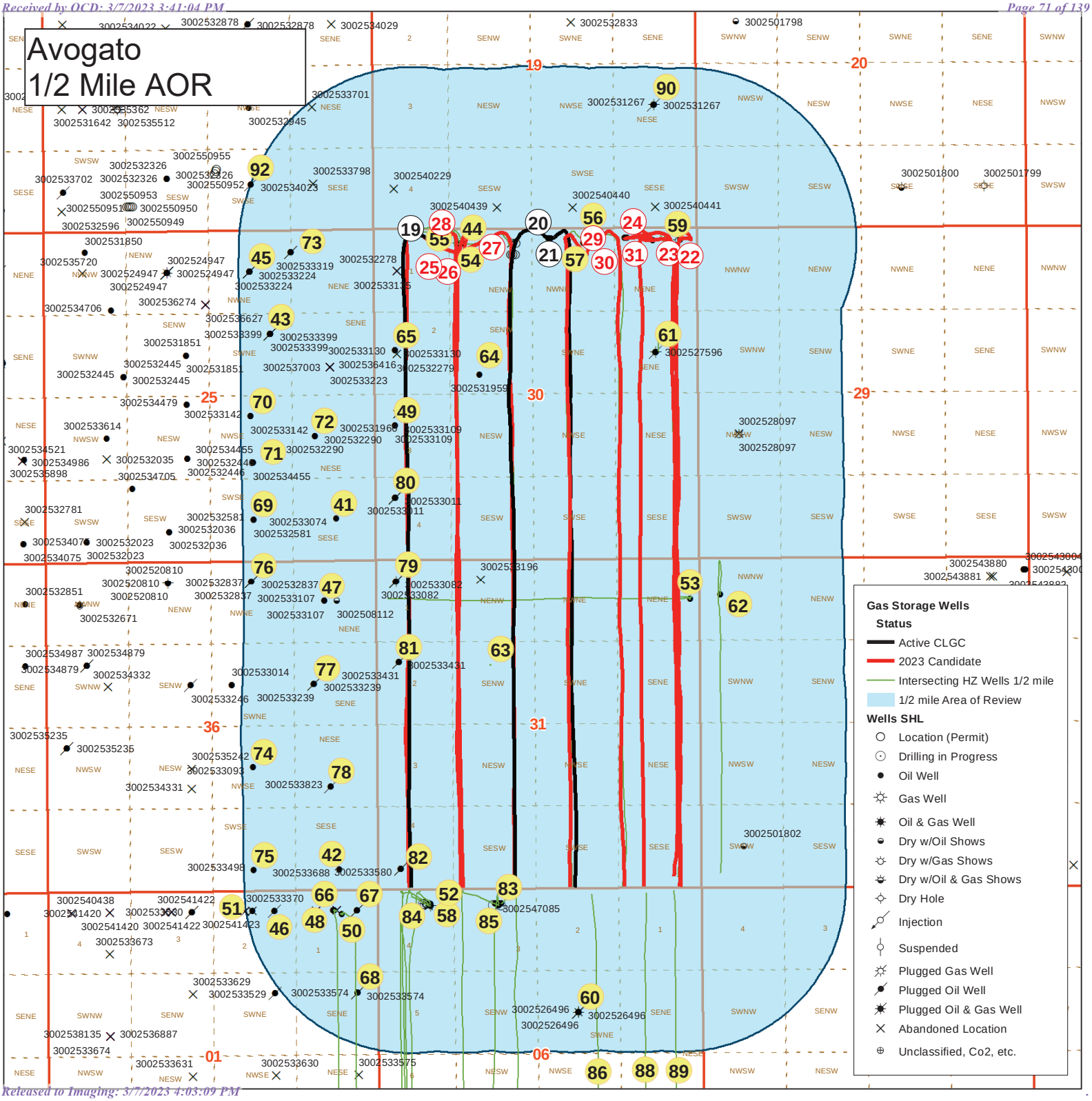
Monitored Parameter Report

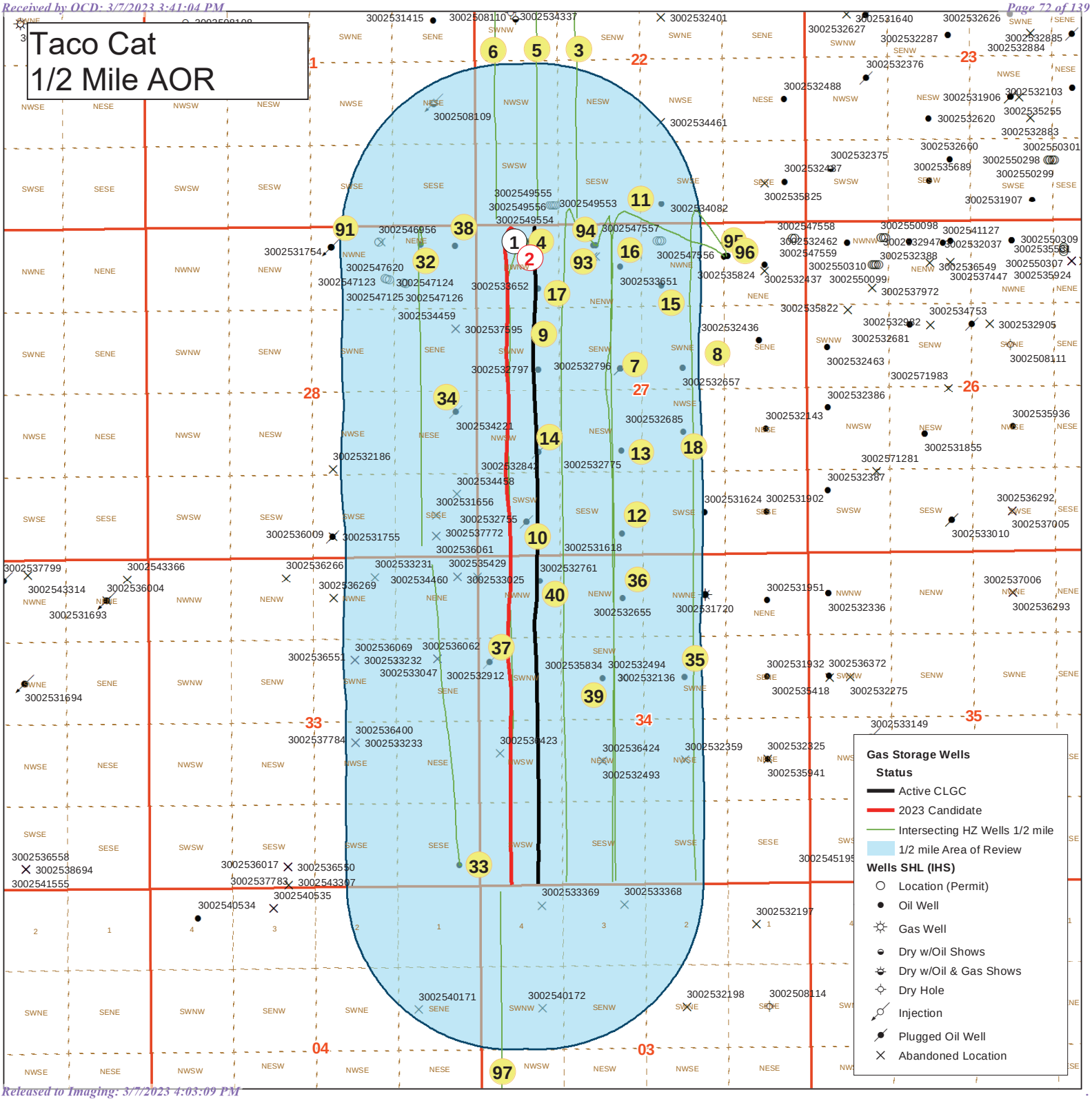
Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	99.6069	97.0000	103.0000	Pass

Area of Review


Avogato
2 Mile AOR
Trajectories
Gas Storage Wells
Status
Active CLGC
2023 Candidate
Intersecting Wells 2 mile
2 mile Area of Review
Wells SHL (IHS)
Location (Permit)
Drilling in Progress
Oil Well
Gas Well
Dry w/Oil Shows
Dry w/Gas Shows
Dry w/Oil & Gas Shows
Dry Hole
Injection
Plugged Gas Well
Plugged Oil Well
Plugged Oil & Gas Well
Abandoned Location


Taco Cat
2 Mile AOR
Trajectories
LEA
T22S
R32E
T23S
R31E
T23S
R33E
T23S
R32E
Gas Storage Wells
Status
Active CLGC
2023 Candidate
Intersecting Wells 2 miles
2 mile Area of Review
Wells SHL (IHS)
Location (Permit)
Drilling in Progress
Oil Well
Gas Well
Oil & Gas Well
Dry w/Oil Shows
Dry w/Gas Shows
Dry w/Oil & Gas Shows
Dry Hole
Injection
Suspended
Plugged Gas Well
Plugged Oil Well
Plugged Oil & Gas Well
Abandoned Location
Unclassified, Co2, etc.


Avogato
1/2 Mile AOR
Gas Storage Wells
Status
Active CLGC
2023 Candidate
Intersecting HZ Wells 1/2 mile
1/2 mile Area of Review
Wells SHL
Location (Permit)
Drilling in Progress
Oil Well
Gas Well
Oil & Gas Well
Dry w/Oil Shows
Dry w/Gas Shows
Dry w/Oil & Gas Shows
Dry Hole
Injection
Suspended
Plugged Gas Well
Plugged Oil Well
Plugged Oil & Gas Well
Abandoned Location
Unclassified, Co2, etc.


Taco Cat
1/2 Mile AOR
Gas Storage Wells
Status
Active CLGC
2023 Candidate
Intersecting HZ Wells 1/2 mile
1/2 mile Area of Review
Wells SHL (IHS)
Location (Permit)
Oil Well
Gas Well
Dry w/Oil Shows
Dry w/Oil & Gas Shows
Dry Hole
Injection
Plugged Oil Well
Abandoned Location

AOR Table

Key: **Bold Black** - Approved CLGC well, **Bold Red**- New Candidate well

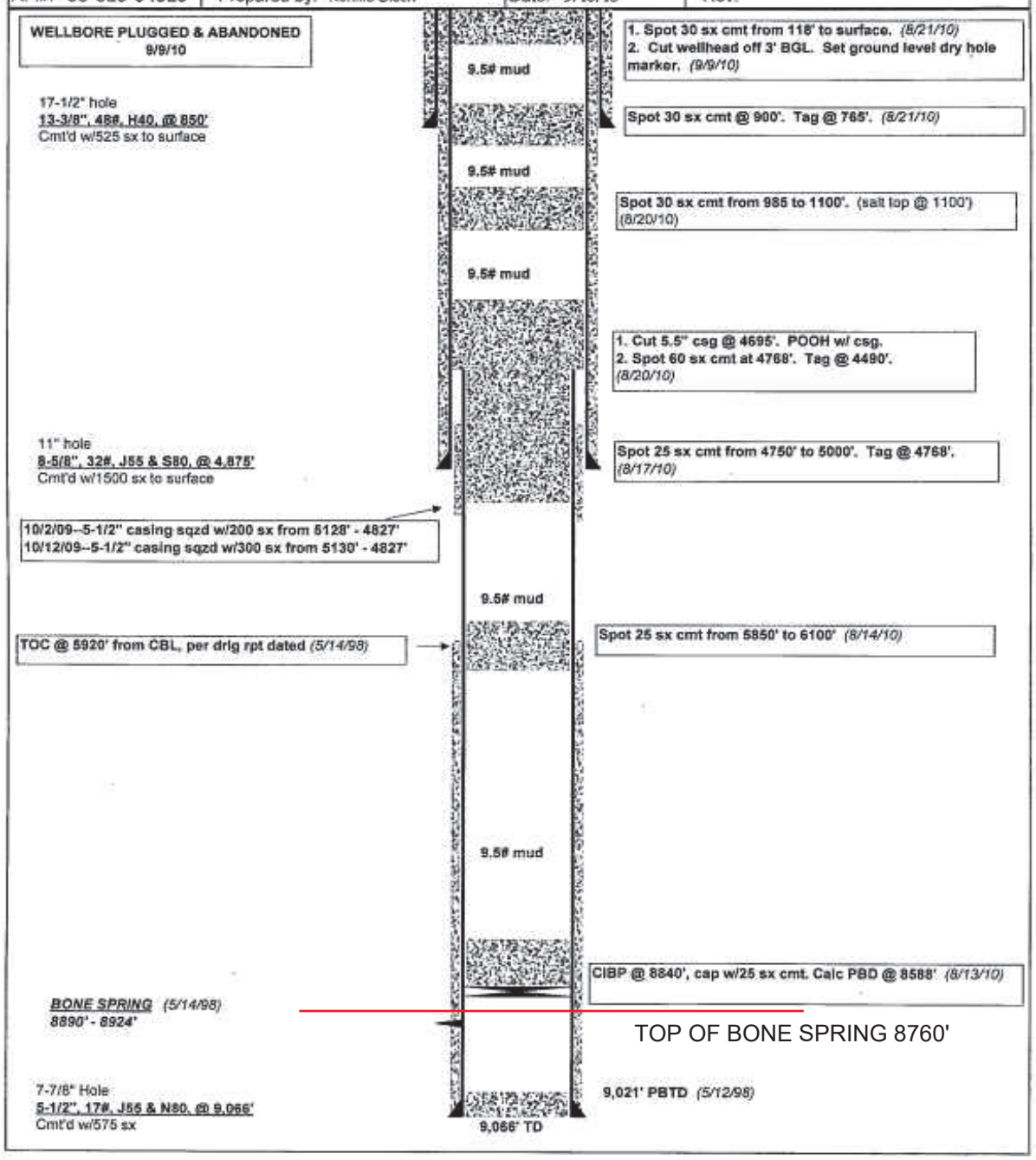
Well ID	API NUMBER	Current Operator	LEASE NAME	WELL NUMBER	Well Type:	Status:	Footages N/S	N/S	Footages E/W	E/W	Surface Location Unit	Surface Location Section	Surface Location TShip	Surface Location Range	Spud:	True Vertical Depth [ft]	Measured Depth [ft]	HOLE SIZE [in]	CSG SIZE [in]	SET AT [ft]	SX CMT	CMT TO WELLFILE [ft]	HOW MEASURED	Current Completion [ft]	Comment	Current Producing Pool
1	30-025-44933	OXY USA INC	TACO CAT 27 34 FEDERAL COM	011H	Oil	Active	260	N	855	W	D	27	22S	32E	7/29/2018	9514	19732	17.5	13.375	867	800	0	Circ	9445-19621	2021 CLGC Well, Active	[51683] RED TANK; BONE SPRING
																		9.875	7.625	8810	2225	204	Calc			
																		8.75	5.5	19703	705	5800	CBL			
2	30-025-44934	OXY USA INC	TACO CAT 27 34 FEDERAL COM	021H	Oil	Active	260	N	785	W	D	27	22S	32E	7/27/2018	10849	20904	17.5	13.375	858	1100	0	Circ	10699-20791	2023 CLGC Candidate	[51683] RED TANK; BONE SPRING
																		12.25	9.625	6484	1685	0	Circ			
																		8.5	5.5	20882	2335	0	Circ			
3	30-025-45892	MARATHON OIL PERMIAN LLC	FRIZZLE FRY 15 WXY FEDERAL COM	007H	Oil	Active	274	N	852	W	D	15	22S	32E	8/13/2019	12111	22217	17.5	13.375	1074	920	0	Circ	12320-22126	Top of 5.5" liner 11794'	[98258] WC-025 S223203A; LWR WOLFCAMP (GAS)
																		12.25	9.625	8906	2050	0	Calc			
																		8.75	7	11794	890	0	Circ			
																		8.75	5.5	22196	3740	2179	Calc			
4	30-025-44935	OXY USA INC	TACO CAT 27 34 FEDERAL COM	031H	Oil	Active	260	N	820	W	D	27	22S	32E	7/25/2018	12205	22168	17.5	13.375	825	1140	0	Circ	11982-22029		[98286] WC-025 G-08 S223227D; UPPER WOLFCAMP
																		12.25	9.625	8619	2265	0	Circ			
																		8.5	7.625	11075	155	6800	Calc			
																		6.75	5.5	22144	700	10500	Calc			
5	30-025-45887	MARATHON OIL PERMIAN LLC	FRIZZLE FRY 15 TB FEDERAL COM	001H	Oil	Active	273	N	792	W	D	15	22S	32E	8/15/2019	11967	21990	17.5	13.375	1061	940	0	Circ	12024-21908		[51683] RED TANK; BONE SPRING
																		12.25	9.625	8910	2050	2476	Calc			
																		8.75	5.5	21977	890	0	Circ			
6	30-025-45890	MARATHON OIL PERMIAN LLC	FRIZZLE FRY 15 WA FEDERAL COM	002H	Oil	Active	273	N	762	W	D	15	22S	32E	8/16/2019	12115	22467	17.5	13.375	1086	940	0	Circ	12606-22334	Top of 4.5" liner 11762'	[98166] WC-025 G-09 S233216K; UPR WOLFCAMP
																		12.25	9.625	8914	3240	0	Circ			
																		8.75	7	12527	1000	0	Circ			
																		6.125	4.5	22457	1005	11762	Circ			
7	30-025-32796	OXY USA INC	FEDERAL 27	4	Oil	PA	2310	N	2310	W	F	27	22S	32E	8/9/1996	8730	8730	14.75	10.75	805	780	0	Circ	N/A		N/A
																		9.875	7.625	4464	1230	0	Circ			
																		6.75	4.5	8730	1095	2800	Calc			
8	30-025-32657	OXY USA INC	PRIZE FEDERAL	7	Oil	Active	2310	N	1980	E	G	27	22S	32E	7/6/1996	8715	8715	14.75	10.75	830	780	0	Circ	8364-8416		[51689] RED TANK; DELAWARE, WEST
																		9.875	7.625	4490	1200	0	Circ			
																		6.75	4.5	8715	1080	3550	Calc			
9	30-025-32797	OXY USA INC	FEDERAL 27	5	Oil	Active	2310	N	990	W	E	27	22S	32E	11/11/1996	8714	8714	14.75	10.75	808	700	0	Circ	7188-7204; 7299-7310; 7638-7690; 8356-8378		[51689] RED TANK; DELAWARE, WEST
																		9.875	7.625	4450	1200	0	Circ			
																		6.75	4.5	8714	900	2990	Calc			
10	30-025-32755	OXY USA INC	FEDERAL 27	8	Oil	PA	580	S	790	W	M	27	22S	32E	6/9/1995	8732	8732	14.75	10.75	822	800	0	Circ	N/A		N/A
																		9.875	7.625	4250	1400	0	Circ			
																		6.75	4.5	8732	875	2030	Calc			
11	30-025-34082	OXY USA INC	PRIZE FEDERAL	11	Oil	Active	330	S	2310	E	O	22	22S	32E	8/19/1997	8780	8780	14.75	10.75	802	800	0	Circ	7000-7168; 8360-8440		[51689] RED TANK; DELAWARE, WEST
																		9.875	7.625	4500	1550	0	Circ			
																		6.75	4.5	8780	1255	2250	Calc			
12	30-025-31618	OXY USA INC	FEDERAL 27	1	Oil	Active	330	S	2310	W	N	27	22S	32E	6/18/1992	8850	8850	17.5	13.375	850	1060	0	Circ	8330-8391		[51689] RED TANK; DELAWARE, WEST
																		11	8.625	4600	2158	0	Circ			
																		7.875	5.5	8850	2360	2360	Calc			
13	30-025-32775	OXY USA INC	FEDERAL 27	7	Oil	Active	1650	S	2310	W	K	27	22S	32E	7/8/1995	8734	8734	14.75	10.75	805	700	0	Circ	8370-8470		[51689] RED TANK; DELAWARE, WEST
																		9.875	7.625	4470	1400	0	Circ			
																		6.75	4.5	8734	980	1775	Calc			
14	30-025-32842	OXY USA INC	FEDERAL 27	6	Oil	PA	1650	S	990	W	L	27	22S	32E	10/11/1995	8700	8700	14.75	10.75	825	600	0	Circ	N/A		N/A
																		9.875	7.625	4440	1300	0	Circ			
																		6.75	4.5	8700	1000	2358	Calc			
15	30-025-32656	OXY USA INC	PRIZE FEDERAL	6	Oil	Active	990	N	2310	E	B	27	22S	32E	1/27/1997	8756	8756	14.75	10.75	830	800	0	Circ	8346-8360		[51689] RED TANK; DELAWARE, WEST
																		9.875	7.625	4486	1450	0	Circ			
																		6.75	4.5	8756	780	3280	Calc			
16	30-025-33651	OXY USA INC	FEDERAL 27	3	Oil	Active	660	N	2310	W	C	27	22S	32E	12/27/1997	8800	8800	14.75	10.75	804	800	0	Circ	6987-7150		[51689] RED TANK; DELAWARE, WEST
																		9.875	7.625	4470	1500	0	Circ			
																		6.75	4.5	8800	1440	2594	Calc			
17	30-025-33652	OXY USA INC	FEDERAL 27	2	Oil	Active	990	N	990	W	D	27	22S	32E	6/8/1998	8653	8653	14.75	10.75	804	750	0	Circ	7184-7678		[51689] RED TANK; DELAWARE, WEST
																		9.875	7.625	4460	1150	0	Circ			
																		6.75	4.5	8653	1080	2650	Calc			
18	30-025-32685	OXY USA INC	PRIZE FEDERAL	8	Oil	Active	1980	S	1980	E	J	27	22S	32E	12/7/1995	8750	8750	14.75	10.75	803	550	0	Circ	8376-8400		[51689] RED TANK; DELAWARE, WEST
																		9.875	7.625	4510	1275	0	Circ			
																		6.75	4.5	8750	1050	3504	Calc			
19	**30-025-45956**	**OXY USA INC**	**AVOGATO 30 31 STATE COM**	**011H**	Oil	Active	160	N	885	W	D	30	22S	33E	9/8/2019	9426	19645	17.5	13.375	1049	1340	0	CIRC	9558'-19537'	2021 CLGC Well, Active	[51687] RED TANK; BONE SPRING, EAST
																		12.25	9.625	8850	2149	0	CIRC			
																		8.5	5.5	19614	2150	8322	CBL			
20	**30-025-45958**	**OXY USA INC**	**AVOGATO 30 31 STATE COM**	**013H**	Oil	Active	160	N	2375	E	B	30	22S	33E	8/23/2019	9397	19645	17.5	13.375	1060	1340	0	CIRC	9752'-19532'	2021 CLGC Well, Active	[51687] RED TANK; BONE SPRING, EAST
																		12.25	9.625	8910	1600	0	CIRC			
																		8.5	5.5	19631	2150	8380	CBL			
21	**30-025-45959**	**OXY USA INC**	**AVOGATO 30 31 STATE COM**	**014H**	Oil	Active	160	N	2340	E	B	30	22S	33E	8/26/2019	9532	19891	17.5	13.375	1060	1340	0	CIRC	9598'-19778'	2021 CLGC Well, Active	[51687] RED TANK; BONE SPRING, EAST
																		12.25	9.625	9007	2125	0	CIRC			
																		8.5	5.5	19865	2135	6435	CBL			
22	**30-025-44161**	**OXY USA INC**	**RED TANK 30 31 STATE COM**	**024Y**	Oil	Active	200	N	270	E	A	30	22S	33E	11/21/2017	10863	20600	17.5	13.375	1090	1165	0	CIRC	11300'-20364'	2023 CLGC Candidate	[51687] RED TANK; BONE SPRING, EAST
																		12.25	9.625	6867	2385	0	CIRC			
																		8.5	5.5	20590	2260	1865	CALC			
23	**30-025-44193**	**OXY USA INC**	**RED TANK 30 31 STATE COM**	**014H**	Oil	Active	200	N	710	E	A	30	22S	33E	8/1/2018	9407	19687	17.5	13.375	1072	1450	0	CIRC	9694'-19546'	2023 CLGC Candidate	[51687] RED TANK; BONE SPRING, EAST
																		12.25	9.625	6776	3125	0	CIRC			
																		8.5	5.5	19681	2012	0	CIRC			
24	**30-025-45923**	**OXY USA INC**	**AVOGATO 30 31 STATE COM**	**004H**	Oil	Active	160	N	1120	E	A	30	22S	33E	9/14/2019	10154	20295	17.5	13.375	1037	1340	0	CIRC	10357'-20138'	2023 CLGC Candidate	[51687] RED TANK; BONE SPRING, EAST
																		12.25	7.625	9534	3594	0	CIRC			
																		6.75	5.5	20625	922	9029	CALC			
25	**30-025-45924**	**OXY USA INC**	**AVOGATO 30 31 STATE COM**	**021H**	Oil	Active	420	N	1350	W	C	30	22S	33E	7/13/2019	10755	20863	17.5	13.375	1052	1340	0	CIRC	10951'-20804'	2023 CLGC Candidate 5.5" Liner from 10106'-20875'	[51687] RED TANK; BONE SPRING, EAST
																		12.25	9.625	6425	1213	0	Circ			
																		8.5	7	10106	2569	4900	Calc			
																		8.5	5.5	20875	2569	4900	CALC			
26	**30-025-45925**	**OXY USA INC**	**AVOGATO 30 31 STATE COM**	**022H**	Oil	Active	420	N	1385	W	C	30	22S	33E	7/10/2019	10891	21097	17.5	13.375	1050	1340	0	CIRC	10982'-21006'	2023 CLGC Candidate	[51687] RED TANK; BONE SPRING, EAST
																		12.25	9.625	6465	1207	0	CIRC			
																		8.5	5.5	21073	2892	5900	CALC			
27	**30-025-45926**	**OXY USA INC**	**AVOGATO 30 31 STATE COM**	**023H**	Oil	Active	420	N	1420	W	C	30	22S	33E	7/8/2019	10769	20969	17.5	13.375	1050	1340	0	CIRC	10853'-20877'	2023 CLGC Candidate	[51687] RED TANK; BONE SPRING, EAST
																		12.25	9.625	6450	1210	0	CIRC			
																		8.5	5.5	20956	2710	5950	CALC			

28	30-025-45957	OXY USA INC	AVOGATO 30 31 STATE COM	012H	Oil	Active	160 N	920 W	D	30	22S	33E	9/10/2019	9614	19873	17.5 12.25 8.5	13.375 9.625 5.5	1037 8890 19846	1340 1670 2130	0 CIRC 0 CIRC 6777 CBL	9578'-19759'	2023 CLGC Candidate	[51687] RED TANK; BONE SPRING, EAST
29	30-025-45960	OXY USA INC	AVOGATO 30 31 STATE COM	024H	Oil	Active	420 N	1820 E	B	30	22S	33E	7/16/2019	10961	21078	17.5 12.25 8.5	13.375 9.625 5.5	1054 6425 21051	1340 1165 2485	0 CIRC 0 CIRC 3170 CALC	10610'-20985'	2023 CLGC Candidate	[51687] RED TANK; BONE SPRING, EAST
30	30-025-45961	OXY USA INC	AVOGATO 30 31 STATE COM	025H	Oil	Active	420 N	1785 E	B	30	22S	33E	7/18/2019	10785	20988	17.5 12.25 8.5	13.375 9.625 5.5	1052 6435 20988	1340 1165 2470	0 CIRC 0 CIRC 3316 CALC	10572'-20896'	2023 CLGC Candidate	[51687] RED TANK; BONE SPRING, EAST
31	30-025-45964	OXY USA INC	AVOGATO 30 31 STATE COM	074H	Oil	Active	160 N	1155 E	A	30	22S	33E	9/15/2019	11405	21667	17.5 12.25 8.5 6.75	13.375 9.625 7.625 5.5	1058 7343 10562 21610	1340 1447 472 858	0 CIRC 0 CIRC 6834 CALC 10446 CALC	11772'-21527'	2023 CLGC Candidate	[51687] RED TANK; BONE SPRING, EAST
32	30-025-41189	OXY USA INC	RED TANK 28 FEDERAL	005H	Oil	Active	295 N	880 E	A	28	22S	32E	9/25/2014	8418	13270	14.75 10.625 7.875	11.75 8.625 5.5	927 4650 13270	690 1120 1590	0 Circ 0 Circ 0 Circ	8602-13122		[51689] RED TANK; DELAWARE, WEST
33	30-025-41237	OXY USA INC	RED TANK 33 FEDERAL	001H	Oil	Active	330 S	330 E	P	33	22S	32E	9/23/2014	8431	13014	14.75 10.625 7.875	11.75 8.625 5.5	1129 4655 13004	840 1110 1640	0 Circ 0 Circ 0 Circ	8690-12788		[51689] RED TANK; DELAWARE, WEST
34	30-025-34221	OXY USA INC	RED TANK 28 FEDERAL	6	Oil	PA	2310 S	330 E	I	28	22S	32E	8/23/1998	8700	8700	14.75 9.875 6.75	10.75 7.625 4.5	815 4435 8700	750 1050 995	0 Circ 0 Circ 4150 Calc	8300-8540		[51689] RED TANK; DELAWARE, WEST
35	30-025-32136	OXY USA INC	RED TANK 34 FEDERAL	4	Oil	Active	1980 N	1980 E	G	34	22S	32E	1/21/1994	8850	8850	17.5 11 7.875	13.375 8.625 5.5	764 4750 8850	1050 1750 1240	0 Circ 0 Circ 2660 Calc	4800-4820; 8414-8442		[51689] RED TANK; DELAWARE, WEST
36	30-025-32655	OXY USA INC	RED TANK 34 FEDERAL	14	Oil	Active	710 N	2310 W	C	34	22S	32E	9/21/1994	8718	8718	17.5 11 7.875	13.375 8.625 5.5	800 4511 8718	950 1800 1420	0 Circ 0 Circ 2550 Calc	8378-8412		[51689] RED TANK; DELAWARE, WEST
37	30-025-32912	OXY USA INC	RED TANK 34 FEDERAL	15	Oil	PA	1700 N	180 W	E	34	22S	32E	6/24/1995	8742	8742	14.75 9.875 6.75	10.75 7.625 4.5	818 4520 8742	700 1400 900	0 Circ 0 Circ 3674 Calc	N/A		N/A
38	30-025-31661	OXY USA INC	RED TANK 28 FEDERAL	1	Oil	Active	330 N	330 E	A	28	22S	32E	10/20/1992	8740	8740	17.5 11 7.875	13.375 8.625 5.5	817 4500 8740	850 1800 1125	0 Circ 0 Circ 2900 Calc	7004-7218; 8373-8409		[51689] RED TANK; DELAWARE, WEST
39	30-025-35834	OXY USA INC	RED TANK 34 FEDERAL	12	Oil	Active	1980 N	1980 W	F	34	22S	32E	4/20/2002	8795	8795	14.75 9.875 6.75	10.75 7.625 4.5	1025 4570 8795	800 1404 985	0 Circ 0 Circ 0 Circ	8420-8435		[51689] RED TANK; DELAWARE, WEST
40	30-025-32761	OXY USA INC	RED TANK 34 FEDERAL	13	Oil	Active	410 N	990 W	D	34	22S	32E	12/8/1994	8722	8722	17.5 11 7.875	13.375 8.625 5.5	812 4475 8722	950 1800 1210	0 Circ 0 Circ 3096 Calc	8366-8392		[51689] RED TANK; DELAWARE, WEST
41	30-025-33074	OXY USA INC	COVINGTON A FEDERAL	11	Oil	Active	660 S	660 E	P	25	22S	32E	10/28/1995	9010	9010	14.75 9.625 6.75	10.75 7.625 4.5	802 4720 9010	600 1000 900	0 CIRC 0 CIRC 3110 CBL	8070-8084; 8552-8570		[51689] RED TANK; DELAWARE, WEST
42	30-025-33688	OXY USA INC	MULE DEER 36 STATE	7	Oil	Active	330 S	660 E	P	36	22S	32E	12/10/1996	9100	9100	12.25 8.75 6.125	9.625 7 4.5	850 4600 9100	365 965 1050	0 CIRC 0 CIRC 5865 CBL	8942-8989		[51683] RED TANK; BONE SPRING
43	30-025-33399	OXY USA INC	COVINGTON A FEDERAL	14	Oil	PA	1650 N	1650 E	G	25	22S	32E	4/27/1996	8966	8966	14.75 9.875 6.75	10.75 7.625 4.5	800 4670 8966	800 1150 1100	0 CIRC 0 CIRC 3202 CBL	N/A		N/A
44	30-025-45928	OXY USA INC	AVOGATO 30 31 STATE COM	033H	Oil	Active	240 N	1420 W	C	30	22S	33E	6/24/2019	11991	22103	17.5 12.25; 9.87 6.75	13.375 7.625 5.5	1050 11336 22103	1340 4119 831	0 Circ 0 Circ 11457 Calc	11819'-22000'		[51687] RED TANK; BONE SPRING, EAST
45	30-025-33224	OXY USA INC	COVINGTON A FEDERAL	16	Oil	PA	660 N	1980 E	B	25	22S	32E	7/23/1996	8980	8980	14.75 9.625 6.75	10.75 7.625 4.5	830 4695 8980	780 1125 490	0 CIRC 0 CIRC 5828 CALC	N/A		N/A
46	30-025-33370	CIMAREX ENERGY CO.	THYME APY FEDERAL	1	Oil	PA	330 N	1650 E	B	1	23S	32E	4/9/1996	10250	10250	17.5 12.25 7.875	13.375 8.625 5.5	1165 4790 10250	750 1175 1075	0 CIRC 0 CIRC 3000 CBL	N/A		N/A
47	30-025-33107	OXY USA INC	MULE DEER 36 STATE	4	Oil	Active	660 N	860 E	A	36	22S	32E	10/10/1995	9007	9007	17.5 12.25 7.875	13.375 8.625 5.5	853 4665 9001	750 1600 1150	0 CIRC 0 CIRC 4850 CALC	8848'-8871'; 8466'-8539'	Well of Interest. Delaware and Avalon Sand Perfs in commingled	[51683] RED TANK; BONE SPRING; [51689] RED TANK; DELAWARE, WEST
48	30-025-43738	CIMAREX ENERGY CO.	CORIANDER AOC 1-12 STATE	003H	Oil	Active	330 N	730 E	A	1	23S	32E	8/6/2018	9570	19431	17.5 12.25 8.75 6	13.375 9.625 7 4.5	1290 4975 12408 19431	1525 1860 1325 715	0 CIRC 0 CIRC 1110 CALC 1110 CALC	9682'-19335'	4.5" liner from 8037'-19431'	[17644] DIAMONDTAIL; BONE SPRING
49	30-025-33109	OXY USA INC	RED TANK 30 STATE	2	Oil	Active	2145 S	330 W	L	30	22S	33E	4/23/2000	9020	9020	14.75 9.875 6.75	10.75 7.625 4.5	825 4720 9020	775 1210 1050	0 CIRC 0 CIRC 3588 CALC	8862-8884		[51689] RED TANK; DELAWARE, WEST
50	30-025-43736	CIMAREX ENERGY CO.	CORIANDER AOC 1-12 STATE	001H	Oil	Active	390 N	590 E	A	1	23S	32E	8/1/2017	9557	19004	17.5 12.25 8.75	13.375 9.625 5.5	1295 4982 19004	302 1773 3859	0 CIRC 0 CIRC 2000 Calc	9470'-18976'		[17644] DIAMONDTAIL; BONE SPRING
51	30-025-41501	CIMAREX ENERGY CO.	THYME APY FEDERAL	009H	Oil	Active	330 N	2030 E	B	1	23S	32E	10/13/2017	9250	14027	17.5 12.25 8.75	13.375 9.625 5.5	1321 4975 14030	1460 1745 2570	0 CIRC 0 CIRC 0 CIRC	9450-14002		[51683] RED TANK; BONE SPRING
52	30-025-46278	MATADOR PRODUCTION COMPANY	RODNEY ROBINSON FEDERAL	101H	Oil	Active	240 N	827 W	D	6	23S	33E	9/29/2019	9899	20004	17.5 12.25 8.75	13.375 9.625 5.5	1335 8855 19989	1140 1574 3021	0 CIRC 5010 CALC 4056 CALC	9965'-19842'		[96228] PRONGHORN; BONE SPRING
53	30-025-41885	OXY USA INC	RED TANK 31 STATE	005H	Oil	Active	660 N	150 E	A	31	22S	33E	7/9/2014	10750	15423	14.75 10.625 7.875	11.75 8.625 5.5	1215 4930 15423	960 1160 1690	0 CIRC 0 CIRC 3920 CALC	11056'-15276'		[51687] RED TANK; BONE SPRING, EAST
54	30-025-45927	OXY USA INC	AVOGATO 30 31 STATE COM	032H	Oil	Active	240 N	1385 W	C	30	22S	33E	6/30/2019	11948	22127	17.5 9.875 6.75	13.375 7.625 5.5	1052 11162 22105	1340 4050 874	0 CIRC 0 CIRC 8243 CALC	11850'-22031'		[51683] RED TANK; BONE SPRING
55	30-025-45929	OXY USA INC	AVOGATO 30 31 STATE COM	031H	Oil	Active	240 N	1350 W	C	30	22S	33E	7/3/2019	11948	22234	17.5 12.25 8.5 6.75	13.375 9.625 7.625 5.5	1055 6435 11332 22206	1340 1207 627 826	0 CIRC 0 CIRC 6241 CALC 25 CALC	11829'-22011'		[51687] RED TANK; BONE SPRING, EAST
56	30-025-45930	OXY USA INC	AVOGATO 30 31 STATE COM	034H	Oil	Active	240 N	1820 E	B	30	22S	33E	6/20/2019	11886	22147	17.5 12.25	13.375 9.625	1050 6422	1340 1620	0 CIRC 0 CIRC	11886'-22109'		[51687] RED TANK; BONE SPRING, EAST

															8.5	7.625	11265	255	5900 CALC					
															6.75	5.5	22122	795	5900 CALC					
57	30-025-45931	OXY USA INC	AVOGATO 30 31 STATE COM	035H Oil	Active	240 N	1785 E	B	30 22S	33E	6/22/2019	12139	22280	17.5	13.375	1050	1340	0 CIRC	12117'-22118'			[98177] WC-025 G-09 S223332A; UPR WOLFCAMP		
														12.25	7.625	11544	2819	673 CALC						
														6.75	5.5	22265	790	9185 CALC						
58	30-025-46372	MATADOR PRODUCTION COMPANY	RODNEY ROBINSON FEDERAL	201H Oil	Active	240 N	797 W	D	6 23S	33E	10/1/2019	12436	22484	17.5	13.375	1335	1345	0 Circ	12324'-22368'			[98177] WC-025 G-09 S223332A; UPR WOLFCAMP		
														12.25	9.625	5035	1650	0 CIRC						
														8.75	7.625	12531	920	2700 CALC						
														6.75	5.5	22484	1435	0 CIRC						
59	30-025-44063	OXY USA INC	RED TANK 30 31 STATE COM	034H Oil	Active	200 N	470 E	A	30 22S	33E	11/5/2017	11996	21675	17.5	13.375	1094	1100	0 Circ	12133'-21491'	5.5" Casing tie-back @ 0-11001'		[51687] RED TANK; BONE SPRING, EAST		
														12.25	9.625	11130	2900	249 CALC						
														8.5	5.5	21665	1750	11001 CALC						
60	30-025-26496	LIME ROCK RESOURCES A, L.P.	PRONGHORN AHO FEDERAL	1 Oil	PA	1980 N	1980 E	G	6 23S	33E	9/30/1979	16160	16160	17.5	13.375	736	750	0 CIRC	N/A			N/A		
														12.25	10.75	5026	1400	0 CIRC						
														9.5	7.625	12174	815	7091 CALC						
														6.5	5	15400	540	11676 CIRC						
61	30-025-27596	OXY USA INC	RED TANK 30 STATE	3 Oil	PA	1980 N	660 E	H	30 22S	33E	10/24/1981	15540	15450	17.5	13.375	711	750	0 CIRC	N/A			N/A		
														12.25	10.75	4848	2050	1150 CALC						
														9.5	7.625	12150	1105	4300 CALC						
62	30-025-43923	EOG RESOURCES INC	FOGHORN 32 STATE COM	209H Oil	Active	590 N	330 W	D	32 22S	33E	8/28/2017	9456	14259	17.5	13.375	1066	1028	0 CIRC	9626'-14147'			[51687] RED TANK; BONE SPRING, EAST		
														12.25	9.625	4914	1380	0 CIRC						
														8.75	5.5	14247	2156	7300 CALC						
63	30-025-45839	OXY USA INC	AVOGATO 31 STATE	100 Monitor	Active	1702 N	1810 W	F	31 22S	33E	6/16/2019	13900	13900	17.5	13.375	1210	1560	0 CIRC	N/A	Monitor Well; No Perfs		N/A		
														12.25	9.625	8825	3380	0 CIRC						
														8.5	4.5	13883	1097	7160 CALC						
64	30-025-31959	WAGNER OIL CO.	BIGHORN 30 STATE	2 Oil	Active	2310 N	1650 W	F	30 22S	33E	7/8/1993	10491	10491	17.5	13.375	500	600	0 CALC	8887-8906			[51687] RED TANK; BONE SPRING, EAST		
														12.25	8.625	4800	2150	0 CALC						
														7.875	5.5	10490	1050	0 CALC						
65	30-025-33130	OXY USA INC	CALMON 30 STATE	1 Oil	Active	1930 N	330 W	E	30 22S	33E	11/27/1995	9000	9000	14.75	10.75	825	575	0 CIRC	8862-8898			[51689] RED TANK; DELAWARE, WEST		
														9.875	7.625	4700	1160	0 CIRC						
														6.75	4.5	9000	920	4300 CALC						
66	30-025-43737	CIMAREX ENERGY CO.	CORIANDER AOC 1-12 STATE	002H Oil	Active	330 N	710 E	A	1 23S	32E	8/26/2018	9747	19642	17.5	13.375	1295	1635	0 CIRC	9898-19590			[17644] DIAMONDTAIL; BONE SPRING		
														12.25	9.625	4970	1865	0 CIRC						
														8.75	7	8100	3755	0 CIRC						
														8.5	5.5	19642	3755	0 CIRC						
67	30-025-33531	CIMAREX ENERGY CO.	CORIANDER AOC STATE	1 Oil	PA	330 N	330 E	A	1 23S	32E	8/25/1996	9121	9121	14.75	11.75	1150	700	0 CIRC	N/A			N/A		
														11	8.625	4797	1150	0 CIRC						
														7.875	5.5	9121	925	2692 CALC						
68	30-025-33574	EOG Y RESOURCES, INC.	CORIANDER AOC STATE	2 Oil	PA	1650 N	330 E	H	1 23S	32E	9/30/1996	9170	9170	14.75	11.75	1153	700	0 CIRC	N/A			N/A		
														11	8.625	4790	1250	0 CIRC						
														7.875	5.5	9170	1000	0 CALC						
69	30-025-32581	OXY USA INC	COVINGTON A FEDERAL	10 Oil	Active	660 S	1980 E	O	25 22S	32E	5/19/1995	8990	8990	17.5	13.375	811	900	0 CIRC	8526-8548; 8343-8374; 8058-8083; 7935-7942; 6998-7030; 5018-5028			[51689] RED TANK; DELAWARE, WEST		
														11	8.625	4720	1800	0 CIRC						
														7.875	5.5	8990	1650	1500 CALC						
70	30-025-33142	OXY USA INC	COVINGTON A FEDERAL	13 Oil	Active	2310 S	1980 E	J	25 22S	32E	12/27/1995	9000	9000	14.75	10.75	804	600	0 CIRC	8536-8556; 8366-8386; 7930-7942; 7000-7018			[51689] RED TANK; DELAWARE, WEST		
														9.625	7.625	4695	1300	0 CIRC						
														6.75	4.5	9000	915	2760 CALC						
71	30-025-34455	OXY USA INC	COVINGTON A FEDERAL	37 Oil	Active	1575 S	1950 E	J	25 22S	32E	9/16/1999	8960	8960	14.75	10.75	855	800	0 CIRC	8608-8628; 8104-8124; 7822-7936;			[51689] RED TANK; DELAWARE, WEST		
														9.875	7.625	4710	1880	0 CIRC						
														6.75	4.5	8960	1105	3600 CALC						
72	30-025-32290	OXY USA INC	COVINGTON A FEDERAL	4 Oil	Active	1980 S	990 E	I	25 22S	32E	1/12/1996	9010	9010	14.75	10.75	790	600	0 CIRC	8536-8556; 8048-8067;			[51689] RED TANK; DELAWARE, WEST		
														9.875	7.625	4700	1500	510 CALC						
														6.75	4.5	9010	615	2990 CALC						
73	30-025-33319	OXY USA INC	COVINGTON A FEDERAL	15 Oil	PA	330 N	1300 E	A	25 22S	32E	7/31/1997	9010	9010	14.75	10.75	831	800	0 CIRC	N/A			N/A		
														9.625	7.625	4705	1600	0 CIRC						
														6.75	4.5	9010	1325	1800 CALC						
74	30-025-33093	OXY USA INC	MULE DEER 36 STATE	3 Oil	Active	1980 S	1980 E	J	36 22S	32E	9/22/1995	9000	9000	17.5	13.375	854	750	0 CALC	8889-8901			[51683] RED TANK; BONE SPRING		
														12.25	8.625	4684	1600	0 CALC						
														7.875	5.5	9000	1390	0 CALC						
75	30-025-33498	OXY USA INC	MULE DEER 36 STATE	6 Oil	Active	330 S	1980 E	O	36 22S	32E	8/1/1996	9080	9080	17.5	13.375	867	750	0 CIRC	8922-8957			[51683] RED TANK; BONE SPRING		
														12.25	8.625	4702	1400	0 CIRC						
														7.875	5.5	9080	1020	3821 CALC						
76	30-025-32837	EOG RESOURCES INC	MULE DEER 36 STATE	1 Oil	PA	330 N	1980 E	B	36 22S	32E	4/7/1995	9018	9018	17.5	13.375	855	800	0 CIRC	N/A			N/A		
														12.25	8.625	4697	1450	0 CIRC						
														7.875	5.5	9018	1450	4800 CALC						
77	30-025-33239	EOG RESOURCES INC	MULE DEER 36 STATE	5 Oil	PA	1980 N	990 E	H	36 22S	32E	1/14/1996	9024	9024	17.5	13.375	857	750	0 CIRC	N/A			N/A		
														12.25	8.625	4666	1450	0 CIRC						
														7.875	5.5	9024	950	3300 CALC						
78	30-025-33823	EOG RESOURCES INC	MULE DEER 36 STATE	8 Oil	PA	1650 S	770 E	I	36 22S	32E	3/15/1997	9088	9088	12.25	9.625	1223	500	0 CIRC	N/A			N/A		
														8.75	7	4704	1175	35 CALC						
														6.125	4.5	9088	310	6795 CALC						
79	30-025-33082	OXY USA INC	RED TANK 31 STATE	1 Oil	PA	330 N	330 W	D	31 22S	33E	9/23/1995	9010	9010	14.75	10.75	816	700	0 CIRC	N/A			N/A		
														9.875	7.625	4740	970	0 CIRC						
														6.75	4.5	9010	780	3590 CALC						
80	30-025-33011	OXY USA INC	RED TANK 30 STATE	1 Oil	PA	990 S	330 W	M	30 22S	33E	7/19/1995	9020	9020	17.5	13.375	807	900	0 CIRC	N/A			N/A		
														11	8.625	4710	1600	0 CIRC						
														7.875	5.5	9020	1030	3580 CALC						
81	30-025-33431	OXY USA INC	RED TANK 31 STATE	2 Oil	PA	1650 N	330 W	E	31 22S	33E	4/6/2000	9050	9050	14.75	10.75	822	770	0 CIRC	N/A			N/A		
														9.875	7.625	4730	1750	0 CIRC						
														6.75	4.5	9050	1050	3181 CALC						
82	30-025-33580	OXY USA INC	RED TANK 31 STATE	4 Oil	PA	330 S	330 W	M	31 22S	33E	9/30/1996	9100	9100	14.75	10.75	820	780	0 CIRC	8550-8566			[51689] RED TANK; DELAWARE, WEST		
														9.875	7.625	4770	1150	0 CIRC						
														6.75	4.5	9100	775	3500 CALC						

83	30-025-46335	MATADOR PRODUCTION COMPANY	RODNEY ROBINSON FEDERAL	122H	Oil	Active	240 N	1927 W	C	6	23S	33E	9/4/2019	11189	21224	17.5	13.375	1339	1520	0 CIRC	10963-21051	[96228] PRONGHORN; BONE SPRING
																12.25	9.625	5059	1369	0 CIRC		
																8.75	5.5	21200	4224	28 CALC		
84	30-025-46371	MATADOR PRODUCTION COMPANY	RODNEY ROBINSON FEDERAL	121H	Oil	Active	270 N	827 W	D	6	23S	33E	9/27/2019	11164	21253	17.5	13.375	1339	1140	0 CIRC	11135-21109	[96228] PRONGHORN; BONE SPRING
																12.25	9.625	5063	1555	0 CIRC		
																8.75	5.5	21289	3838	2900 CALC		
85	30-025-46279	MATADOR PRODUCTION COMPANY	RODNEY ROBINSON FEDERAL	102H	Oil	Active	270 N	1927 W	C	6	23S	33E	9/2/2019	9550	19750	17.5	13.375	1337	1515	0 CIRC	9591-19593	[96228] PRONGHORN; BONE SPRING
																12.25	9.625	5060	1369	0 CIRC		
																8.75	5.5	19740	3615	0 CIRC		
86	30-025-47350	MATADOR PRODUCTION COMPANY	RODNEY ROBINSON FEDERAL COM	133H	Oil	Active	367 S	1730 E	O	7	23S	33E	9/25/2020	12009	22435	17.5	13.375	1394	1190	0 CIRC	12386-22283	[96228] PRONGHORN; BONE SPRING
																9.875	7.625	11441	2610	0 CIRC		
																6.75	5.5	22420	1090	0 CIRC		
87	30-025-47351	MATADOR PRODUCTION COMPANY	RODNEY ROBINSON FEDERAL COM	203H	Oil	Active	385 S	1706 E	O	7	23S	33E	9/23/2020	12213	22462	17.5	13.375	1389	1190	0 CIRC	12685-22188	[98177] WC-025 G-09 S223332A; UPR WOLFCAMP
																9.875	7.625	11505	2455	0 CIRC		
																6.75	5.5	22447	1299	1250 CALC		
88	30-025-47352	MATADOR PRODUCTION COMPANY	RODNEY ROBINSON FEDERAL COM	204H	Oil	Active	546 S	155 E	P	7	23S	33E	11/5/2020	12220	22640	17.5	13.375	1385	1210	0 CIRC	12526-22488	[98177] WC-025 G-09 S223332A; UPR WOLFCAMP
																9.875	7.625	11759	2650	1320 CALC		
																6.75	5.5	22640	1170	0 CIRC		
89	30-025-47489	MATADOR PRODUCTION COMPANY	RODNEY ROBINSON FEDERAL COM	134H	Oil	Active	546 S	185 E	P	7	23S	33E	11/9/2020	12000	22415	17.5	13.375	1385	1210	0 CIRC	12538-22256	[96228] PRONGHORN; BONE SPRING
90	30-025-31267	C W TRAINER	WHITE LIGHTNIN	1	Oil	PA	1980 S	660 E	I	19	22S	33E	6/29/1991	15384	15384	17.5	13.375	804	860	0 CALC	N/A	N/A
																12.25	9.625	4870	2250	0 CALC		
																8.75	7	12166	1400	2332 CALC		
91	30-025-31754	OXY USA INC	RED TANK 28 FEDERAL	3	SWD	Active	330 N	2310 E	B	28	22S	32E	3/14/1993	10153	10107	13.375	820	820	1275	0 CIRC	4674-4698;5434-5748	[96100] SWD; DELAWARE
																8.625	4435	4435	2035	0 CIRC		
																5.5	10153	10153	1675	2580 CBL		
92	30-025-34023	DEVON ENERGY PRODUCTION COMPANY, LP	CHECKERS 24 FEDERAL	7	Oil	PA	760 S	1980 E	O	24	22S	32E	4/9/1998	9066	9066	17.5	13.375	850	525	0 CIRC	N/A	N/A
																11	8.625	4875	1500	0 CIRC		
																7.875	5.5	9066	575	5920 CBL		
93	30-025-46925	OXY USA INC	TACO CAT 27 34 FEDERAL COM	032H	Oil	Active	340 N	1880 W	C	27	22S	32E	9/6/2021	11993	22379	17.5	13.375	976	1165	0 Circ	11968-22296	[98286] WC-025 G-08 S223227D; UPPER WOLFCAMP
																9.875	7.625	11147	1550	0 Circ		
																6.75	5.5	22359	930	8700 CBL		
94	30-025-46926	OXY USA INC	TACO CAT 27 34 FEDERAL COM	033H	Oil	Active	340 N	1915 W	C	27	22S	32E	9/8/2021	12140	22380	17.5	13.375	975	1140	0 Circ	11968-22298	[98286] WC-025 G-08 S223227D; UPPER WOLFCAMP
																9.875	7.625	11264	2130	0 Circ		
																6.75	5.5	22362	926	10653 CALC		
95	30-025-46949	OXY USA INC	TACO CAT 27 34 FEDERAL COM	024H	Oil	Active	535 N	1315 E	A	27	22S	32E	8/28/2021	10718	21199	17.5	13.375	963	1160	0 Circ	10788-21089	[51683] RED TANK;BONE SPRING;
																12.25	9.625	6433	1714	0 Circ		
																8.75	5.5	21179	2848	2918 Est.		
96	30-025-46934	OXY USA INC	TACO CAT 27 34 FEDERAL COM	025H	Oil	Active	535 N	1285 E	A	27	22S	32E	8/29/2021	10821	21246	17.5	13.375	970	1165	0 Circ	10835-21136	[51683] RED TANK;BONE SPRING;
																12.25	9.625	6346	1714	0 Circ		
																8.75x8.5	5.5	21226	2724	3798 Est		
97	30-025-46998	OXY USA INC	RED TANK 3 FEDERAL	014H	Oil	Active	330 S	508 E	P	4	23S	32E	1/6/2021	12010	16829	17.5	13.375	1006	997	0 Circ	12023-16795	[17644] DIAMONDTAIL; BONE SPRING
																12.25	9.625	4721	1923	0 Circ		
																8.75	7	12233	1184	10672 Calc		
																6	4.5	16829	349	3950 CBL		

Well Name: CHECKERS 24 FEDERAL 7		Field: RED TANK	
Location: 760' FSL & 1980' FEL: SEC 24-T22S-R32E		County: LEA	State: NM
Elevation: 3764' KB; 3749' GL		Spud Date: 4/9/98	Compl Date: 5/14/98
API#: 30-025-34023	Prepared by: Ronnie Slack	Date: 9/10/10	Rev:



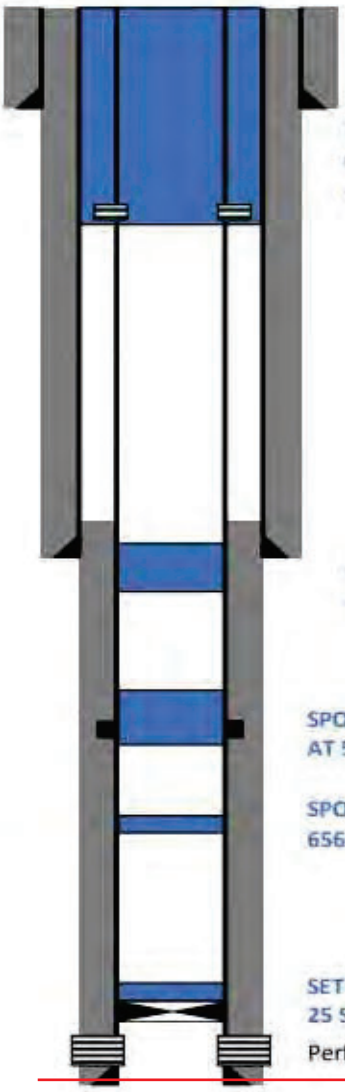
Stephen Janacek
10/5/2021

Final Wellbore
RED TANK 28 FEDERAL #006
30-025-34221-0000
Lea

String 1
OD 10.75 in
TD 815 ft
TOC 0 ft , Circ

String 2
OD 7.625 in
TD 4435 ft
TOC 0 ft , Circ

String 3
OD 4.5 in
TD 8700 ft
TOC 4150 ft , CBL
PBTD 8700 ft



PERF @ 1300'. EST CIRC. CIRC 240 SX CL C CMT TO SURFACE. VERIFIED CMT @ SURFACE.

SPOT 45 SX CL C CMT 4719'. TAG AT 4130'.

DVT 5998'

SPOT 50 SX CL C CMT 6048' TAG AT 5290'.

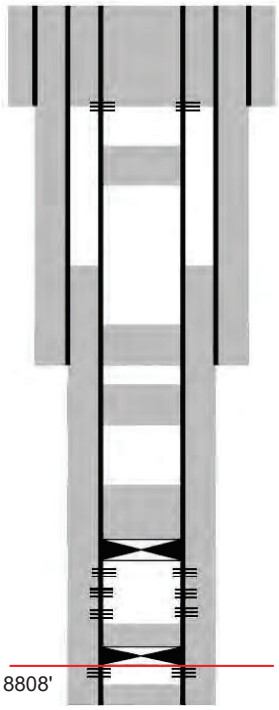
SPOT 25 SX CL C CMT 6849'. CTOC 6562'.

SET CIBP @ 8250'. CAP CIBP WITH 25 SX CL H CMT. TAG AT 8006'.

Perfs 8300'-8540' (Brushy Canyon)

TOP OF BONE SPRING 8590'

OXY USA Inc. - Plugged
Red Tank 31 State #004
API No. 30-025-33580



Spud 09/30/1996

14-3/8" hole @ 820'
10-3/4" @ 820'
w/ 780 sx-TOC-Surf-Circ.

Perf'd @ 890' Sqzd 200sx Cl C Cmt to surface. Verified.

EOT @ 1900'. Pumped 25sx Cl C Cmt.

9-7/8" hole @ 4770'
7-5-8" csg @ 4770'
w/ 1150 sx-TOC-Surf-Circ.

EOT @ 5050'. Pumped 40sx Cl C Cmt. Tagged TOC @ 4461'.

EOT @ 6338'. Pumped 50sx Cl C Cmt. Tagged TOC @ 5663'.

6-3/4" hole @ 9100'
4-1/2" csg @ 9100'
w/ 775sx - TOC @ ~3500'
DV Tool @ 6288'

Set CIBP @ 7770'. Pumped 25sx Cl H. Tagged TOC @ 7712'.
Added 25sx Cl C. Tagged TOC @ 7397'.

Perfs 7820' - 7850'
Perfs 8343'-8566'

Pumped 25sx Cl C on existing CIBP. Tagged TOC @ 8507'.

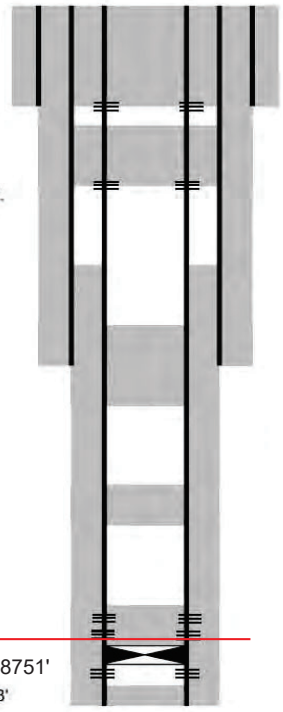
CIBP @ 8900'
Perfs 8942' - 8988'

PBTD - 9052'

TOP OF BONE SPRING 8808'

TD - 9100' TVD

OXY USA Inc. - Plugged
Red Tank 31 State #002
API No. 30-025-33431



Perf'd @ 872'. Squeezed 230sx Cl C Cmt. Verified Cmt to Surf.

Perf'd @ 1500'. Squeezed 50sx Cl C Cmt. Tagged TOC @ 1052'.

EOT @ 5003'. Pumped 35sx Cl C Cmt. Tagged TOC @ 4414'.

EOT @ 6082'. Pumped 25sx Cl C Cmt. Tagged TOC @ 5772'.

Tagged Exisitng CIBP @ 8732'. Pumped 35sx Cl C cmt.
WOC Tagged TOC @ 8210'.

TOP OF BONE SPRING 8751'

PBTD - 9003'

TD - 9050' TVD

Spud 04/06/2000

14-3/8" hole @ 822'
10-3/4" @ 822'
w/ 770 sx-TOC-Surf-Circ.

9-7/8" hole @ 4730'
7-5-8" csg @ 4730'
w/ 1750 sx-TOC-Surf-Circ.

6-3/4" hole @ 9050'
4-1/2" csg @ 9050'
w/ 1050sx - TOC @ ~3181'
DV Tool @ 6032'

Perfs 8550'-8702'

CIBP @ 8870'
Perfs 8914' - 8932'

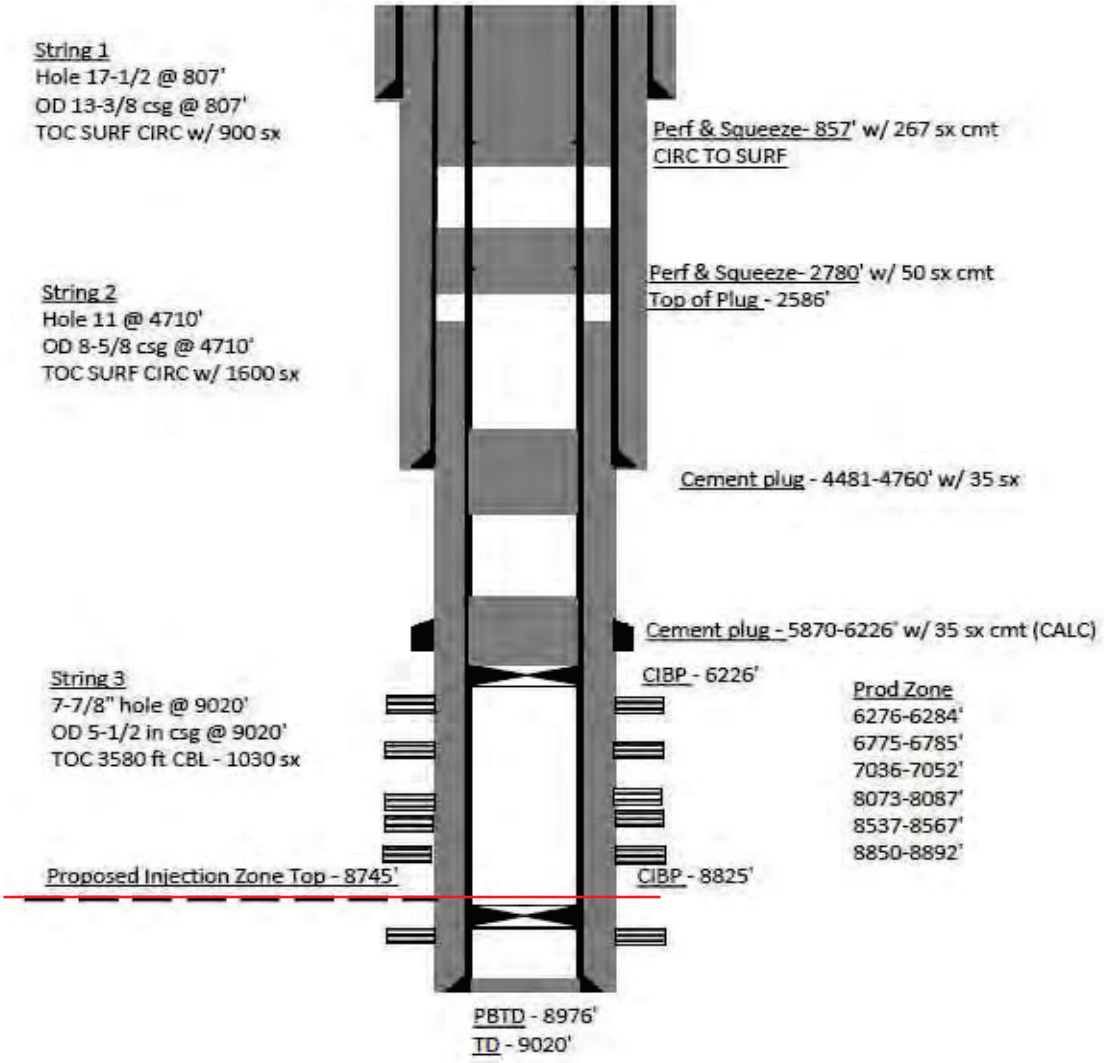
Shaunik Bhatte
5/5/2021

Current Wellbore

Red Tank 30 State 1

30-025-33011-0000

Sec 30 T22S R33E 990 FSL 330 FWL
Lea County, NM

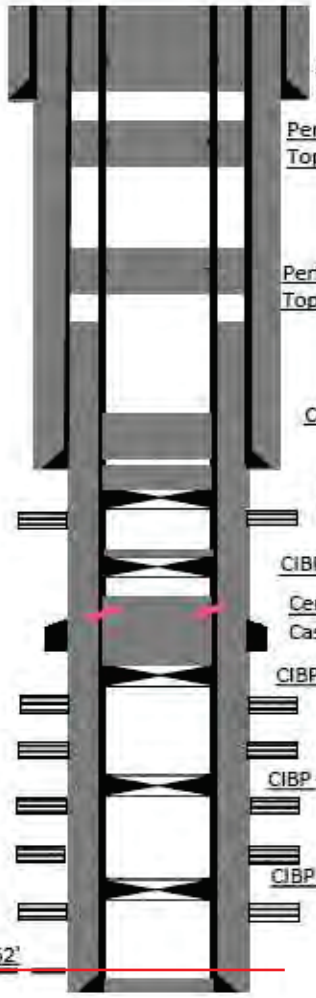


Shaunik Bhatte
5/5/2021

Current Wellbore

Red Tank 31 State 1

30-025-33082-0000
Sec 31 T22S R33E 330 FNL 330 FWL
Lea County, NM



String 1
Hole 14-3/4 @ 816'
OD 10-3/4 csg @ 816'
TOC SURF CIRC w/ 700 sx

String 2
Hole 9-7/8 @ 4740'
OD 7-5/8 csg @ 4740'
TOC SURF CIRC w/ 970 sx

String 3
6-3/4" hole @ 9010'
OD 4.5 in csg @ 9010'
TOC 3590 ft CBL - 780 sx

PBTD - 8972'
TD - 9010'

Proposed Injection Zone Top - 8752'

Perf & Squeeze- 250' w/ 60 sx cmt
CIRC TO SURF

Perf & Squeeze- 866' w/ 30 sx cmt
Top of Plug - 730'

Perf & Squeeze- 2785' w/ 30 sx cmt
Top of Plug - 2668'

Cement plug - 4410-4804' w/ 25 sx (CALC)

CIBP - 5360'
Cement plug - 4982-5360' w/ 25 sx (CALC)

CIBP - 5610' w/ 10' cmt to 5600'

Cement plug - 6080-6738' w/ 45 sx cmt
Casing squeezed @ 6294'-6326' w/ 100 sx

CIBP - 6738'

CIBP - 8000'

CIBP - 8830'

Prod Zone
5410-5460'
6788-6796'
7046-7056'
8081-8095'
8614-8634'
8870-8914'

Shaunik Bhatte
5/5/2021

Current Wellbore

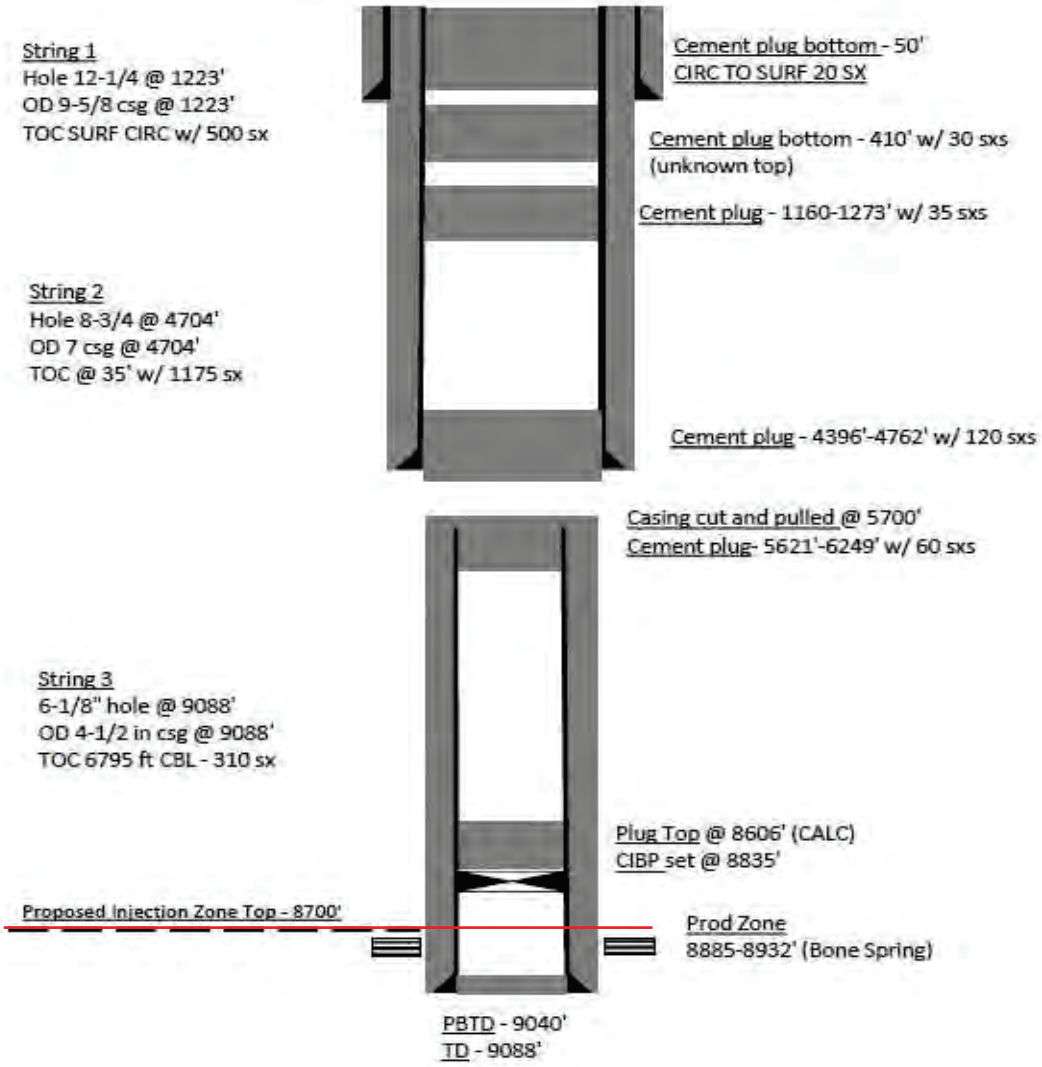
Mule Deer 36 State 8

30-025-33823-0000
Sec 36 T22S R32E 1650 FSL 770 FEL
Lea County, NM

String 1
Hole 12-1/4 @ 1223'
OD 9-5/8 csg @ 1223'
TOC SURF CIRC w/ 500 sx

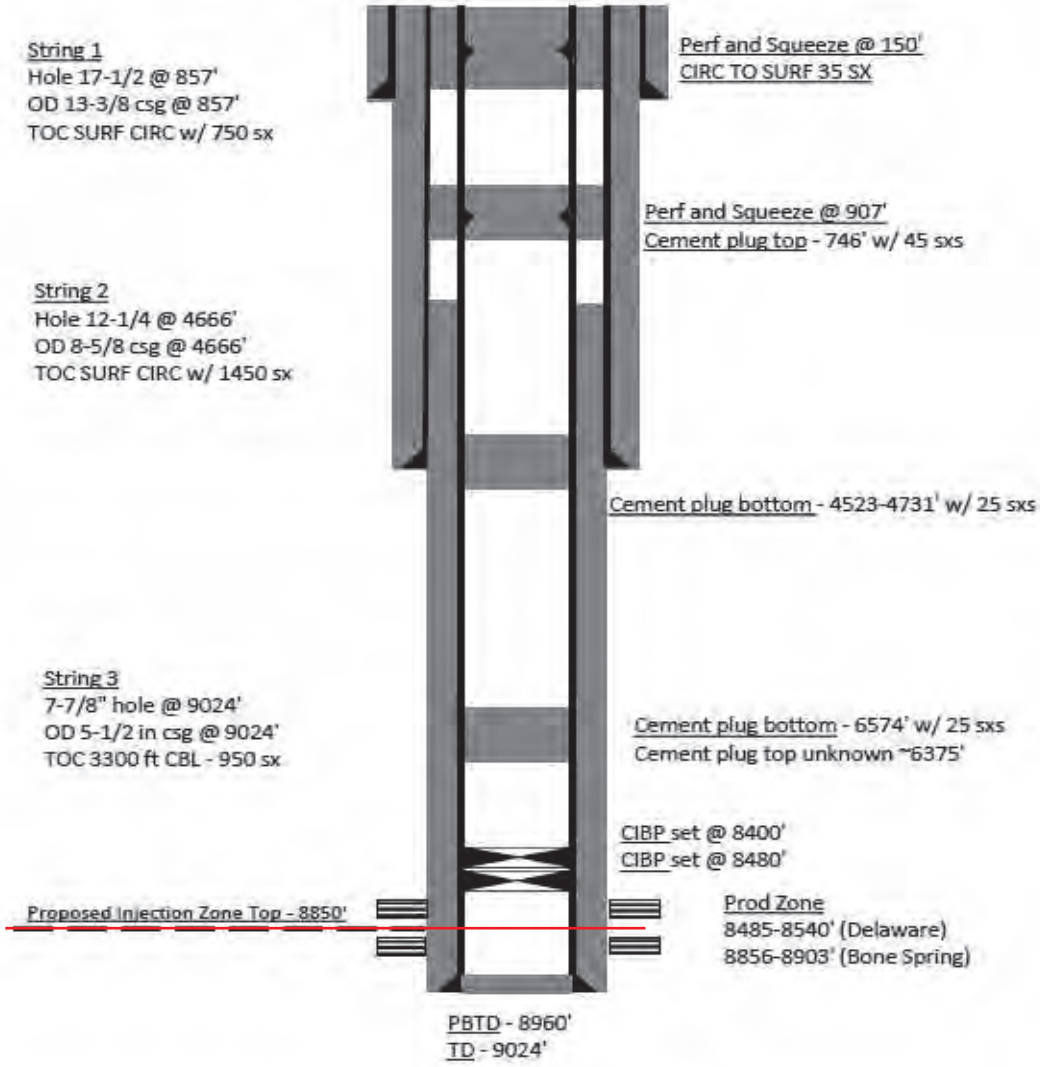
String 2
Hole 8-3/4 @ 4704'
OD 7 csg @ 4704'
TOC @ 35' w/ 1175 sx

String 3
6-1/8" hole @ 9088'
OD 4-1/2 in csg @ 9088'
TOC 6795 ft CBL - 310 sx



Shaunik Bhatte
5/5/2021

Current Wellbore
Mule Deer 36 State 5
30-025-33239-0000
Sec 36 T22S R32E 1980 FNL 990 FEL
Lea County, NM

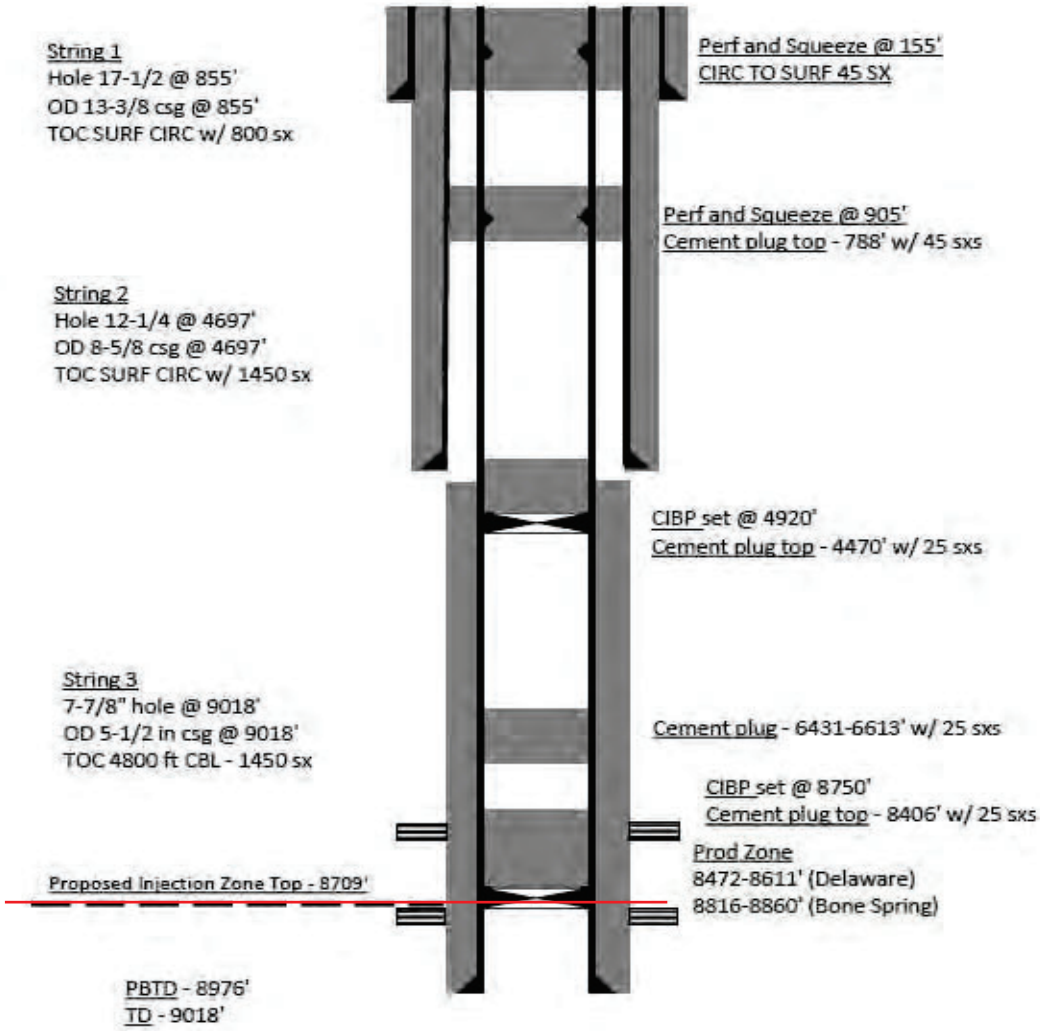


Shaunik Bhatte
5/5/2021

Current Wellbore

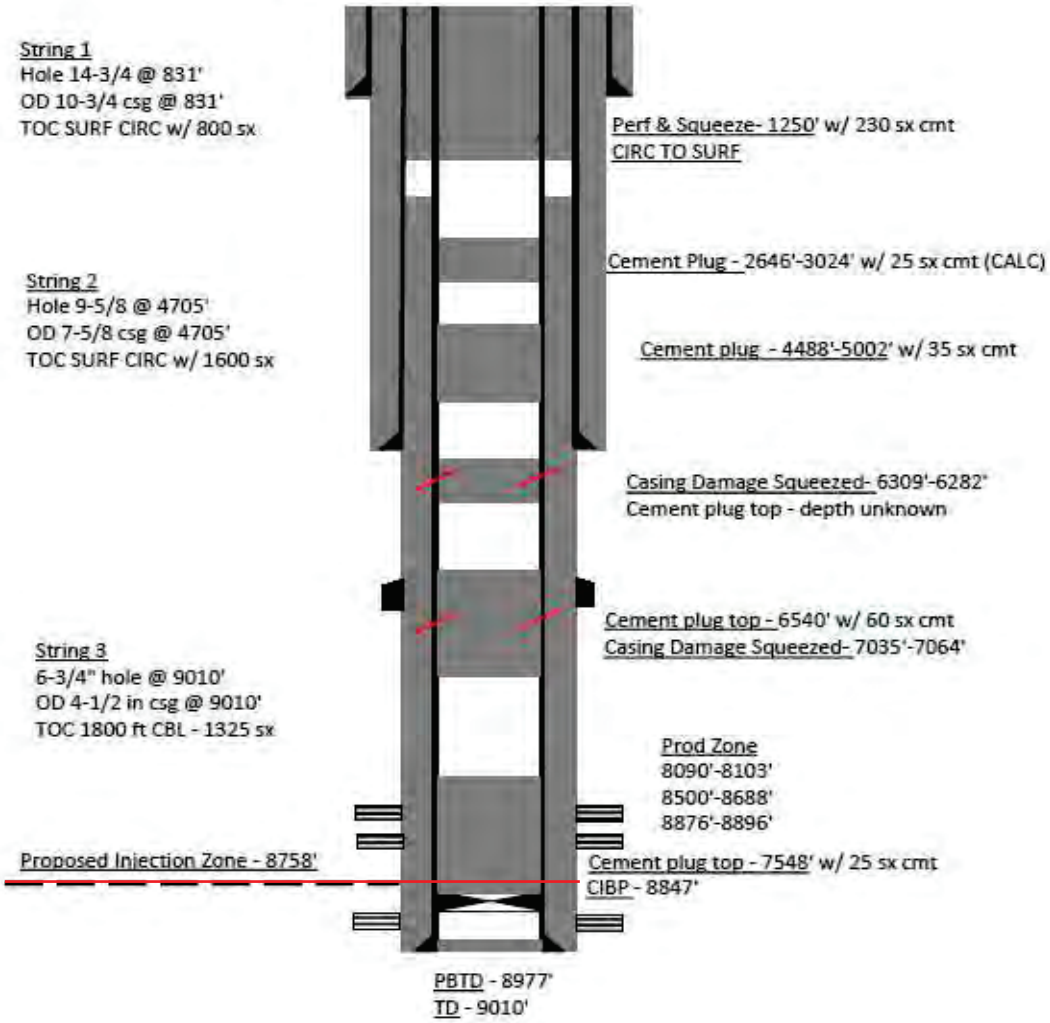
Mule Deer 36 State 1

30-025-32837-0000
Sec 36 T22S R32E 330 FNL 1980 FEL
Lea County, NM



Shaunik Bhatte
5/5/2021

Current Wellbore
Covington A Federal 15
30-025-33319-0000
Sec 25 T22S R32E 330 FNL 1300 FEL
Lea County, NM

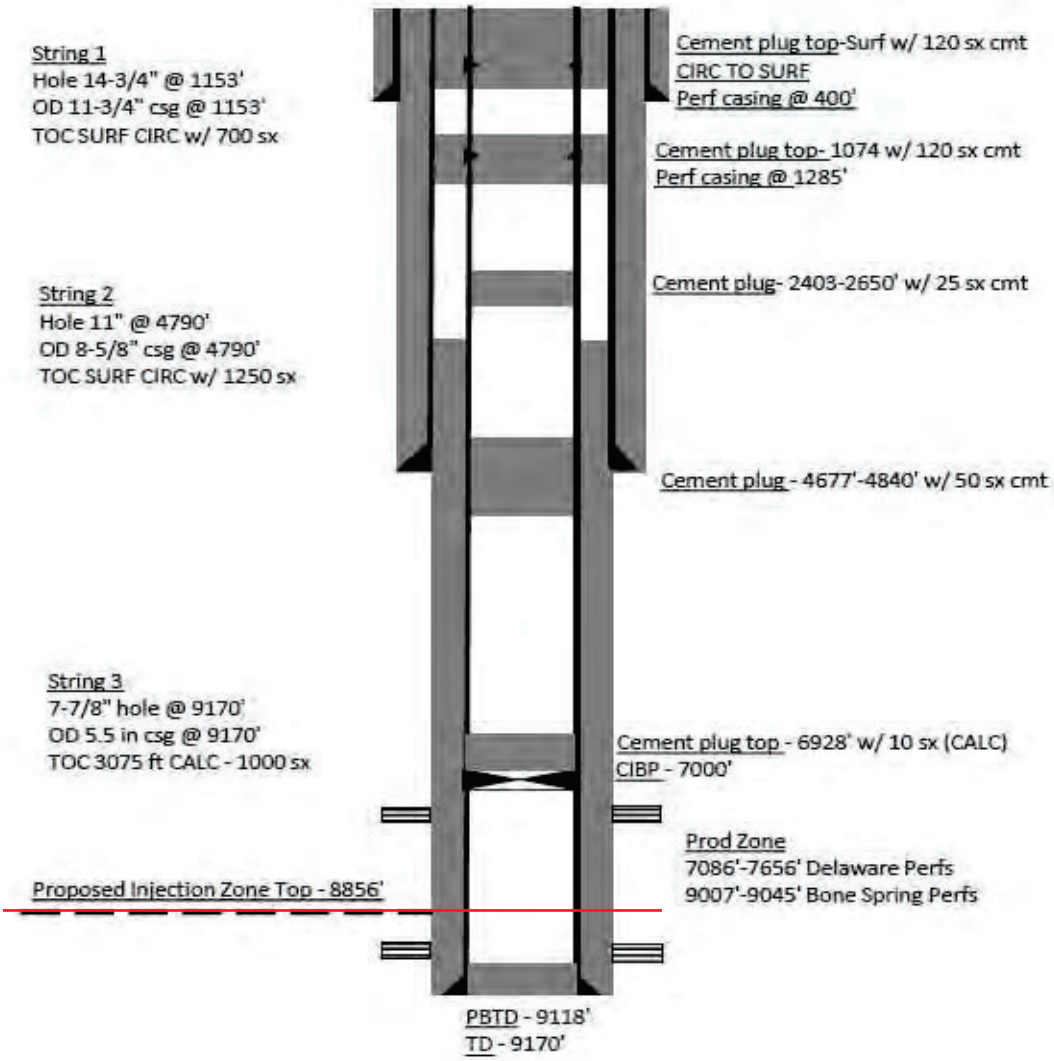


Shaunik Bhatte
5/4/2021

Current Wellbore

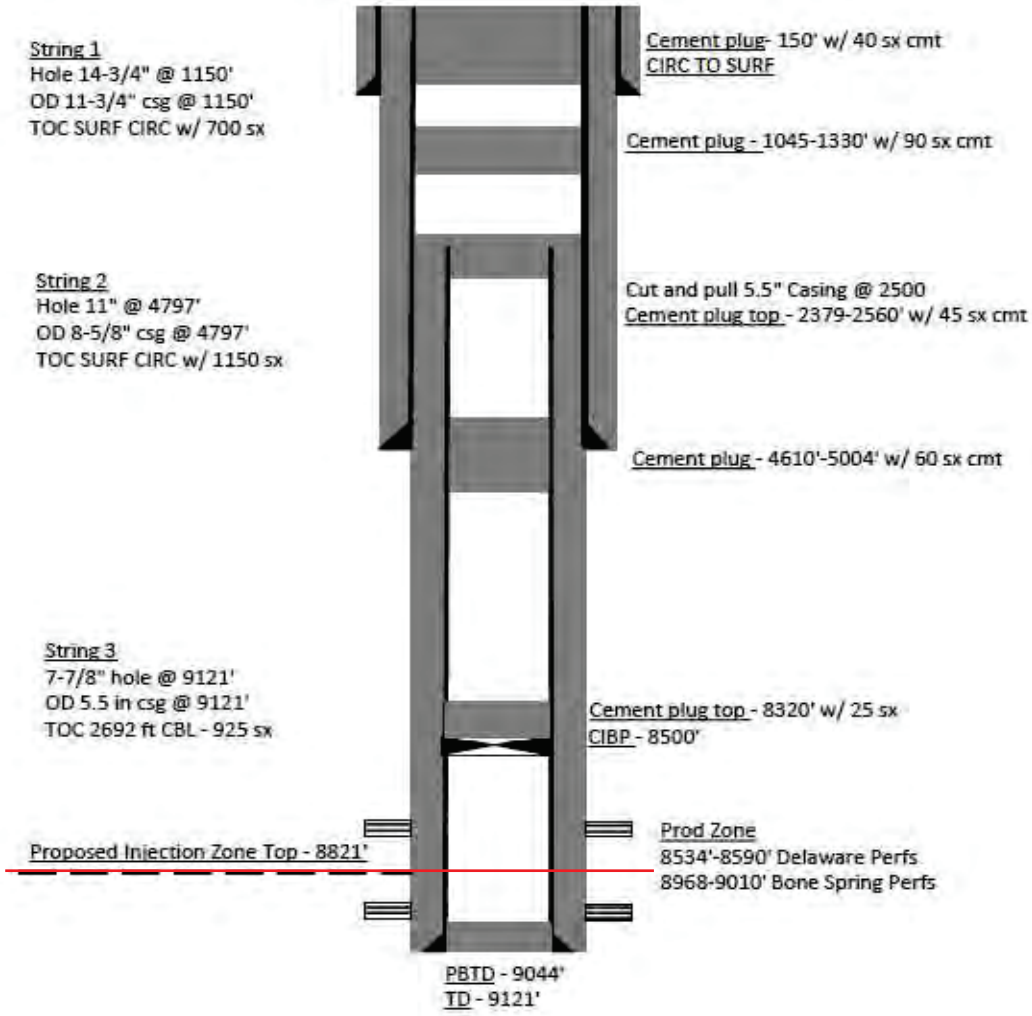
Coriander AOC State 002

30-025-33574-0000
Sec 01 T23S R32E 1650 FNL 330 FEL
Lea County, NM



Shaunik Bhatte
5/4/2021

Current Wellbore
Coriander AOC State 001
30-025-33531-0000
Sec 01 T23S R32E 330 FNL 330 FEL
Lea County, NM

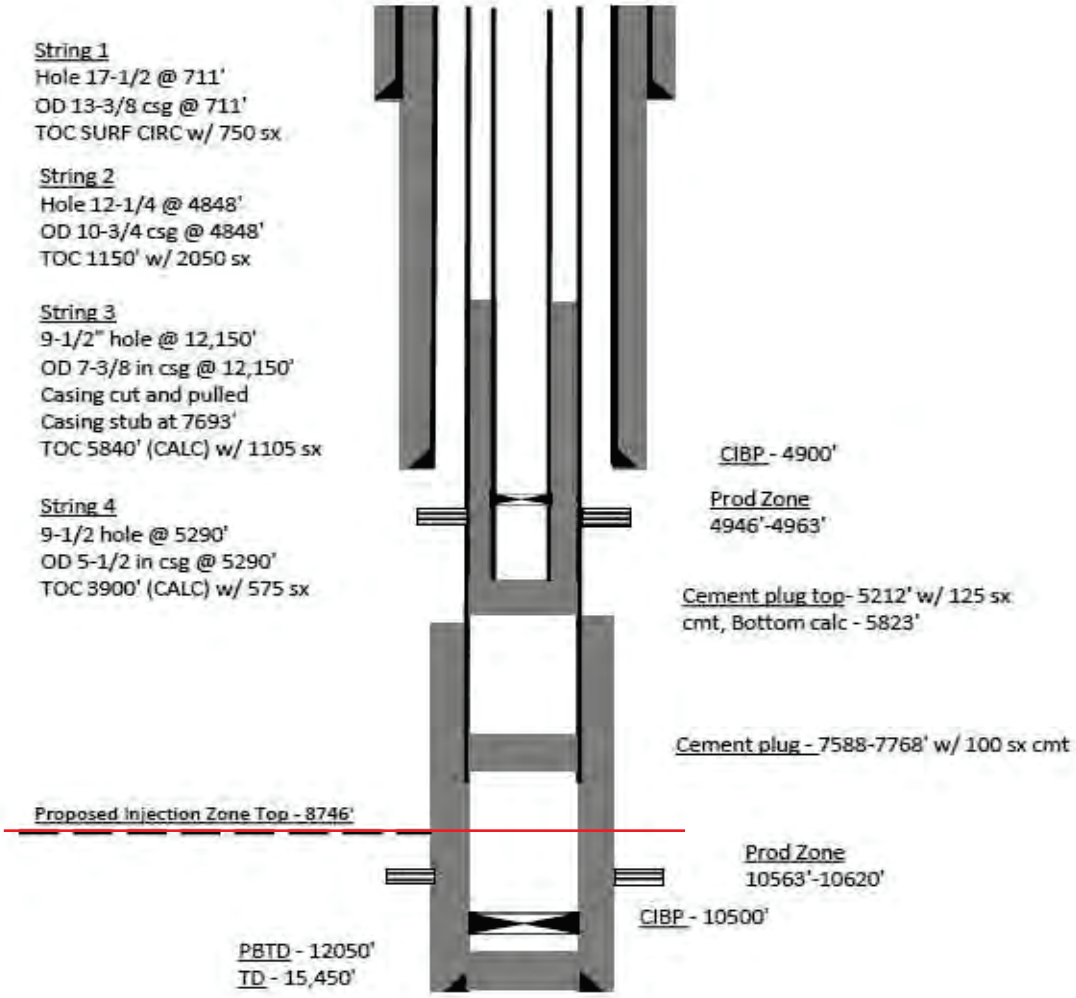


Shaunik Bhatte
3/24/2021

Current Wellbore

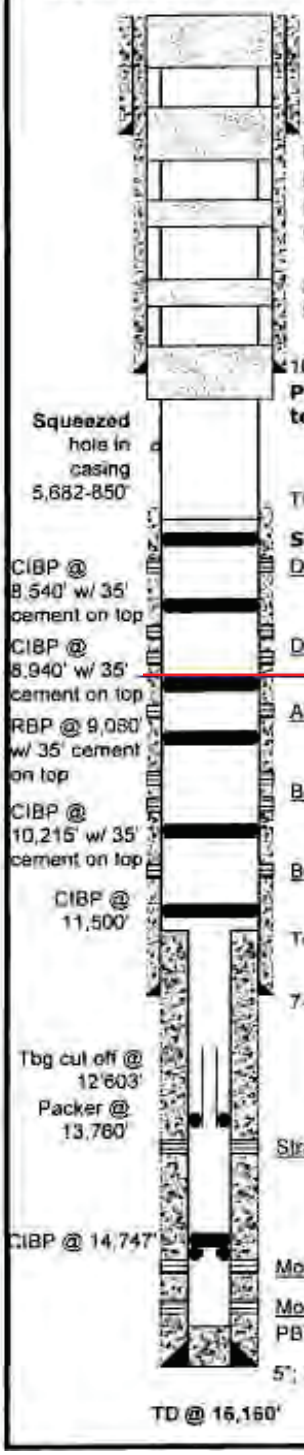
Red Tank 30 State 3

30-025-27596-0000
Sec 30 T22S R33E 19800 FNL 660 FEL
Lea County, NM



LIME ROCK RESOURCES

FINAL ABANDONMENT



Perforated at 150' and spotted cement from 150' back to surface

13-3/8", 54.5#, J-55, ST&C Casing @ 736'

Perforated at 786' and spot 40 sx plug from 786' to 662' (tagged top of plug)

Perforated at 1,460' and spot 40 sx plug from 1,460' to 1,280' (tagged top of plug)

Perforated at 3,191' and spot 50 sx plug from 3,191' to 3,038' (tagged top of plug)

10-3/4"; 40.5, 45.5 & 51#; J-55; LT&C Casing @ 5,026'

Perforated at 5,151' and pumped 75 sx plug from 5,151' to 4,757' (tagged top of plug)

Squeezed hole in casing 5,682-850'

TOC @ 7,901'

Set CIBP @ 8,101' and dumped 35' cement on top of plug

Delaware Perfs: 8,156-62' & 8,168-84' (42 – 0.41" DIA holes)

CIBP @ 8,540' w/ 35' cement on top

Delaware Perfs: 8,672-80' & 8,745-58 (46 – 0.41" DIA holes)

CIBP @ 8,940' w/ 35' cement on top

TOP OF PROPOSED INJ INTERVAL 8856'

Avalon Perfs: 8,960-74' (30 – 0.42" DIA holes)

RBP @ 9,080' w/ 35' cement on top

Bone Springs Perfs: 9,921-39' & 10,003-50'

CIBP @ 10,215' w/ 35' cement on top

Bone Springs Perfs: 10,572-53' (60 – 0.24" DIA holes)

CIBP @ 11,500'

Top of 5": 17.9#; S-95; SFJ Liner @ 11,676'

7-5/8", 29 & 33.7#, S-955, LT&C Casing @ 12,174'

Formation	Top
Rustler	1,257'
Delaware Lime	4,980'
Delaware Sand	5,027

Tbg cut off @ 12'603'

Packer @ 13,760'

Strawn Perfs: 13,804-905.5' (13 – 0.41" DIA holes)

CIBP @ 14,747'

Morrow Perfs: 14,794-00' (24 – 0.50" DIA holes)

Morrow Perfs: 15,031-35' (10 - 0.25" DIA holes)

PBTD @ 15,191'

5"; 17.9#; S-95; SFJ Liner @ 15,400'

TD @ 16,160'

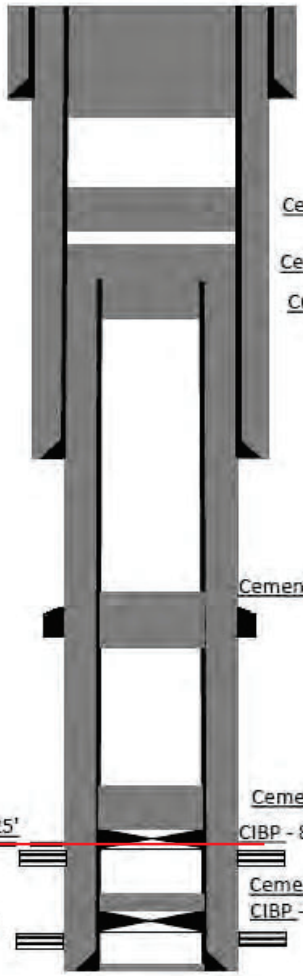
Lime Rock Resources
Pronghorn ABO Federal 1
Sec 6G-23S-33E
Lea County, NM

Shaunik Bhatte
3/24/2021

Current Wellbore

Thyme APY Federal 1

30-025-33370-0000
Sec 1 T23S R32E NWNE 330' FNL 1650' FEL
Lea County, NM



String 1
Hole 14-3/4 @ 1165'
OD 11-3/4 csg @ 1165'
TOC SURF CIRC w/ 750 sx

String 2
Hole 11" @ 4790'
OD 8-5/8 csg @ 4790'
TOC SURF CIRC w/ 1175 sx

String 3
7-7/8" hole @ 10250'
OD 5-1/2 in csg @ 10250'
TOC 3000 ft CBL - 1075 sx

Proposed Injection Zone Top - 8825'

Prod Zone
8966-9008' - Bone Spring perfs
10029-10071' - Bone Spring perfs

Cement plug top - Surf to circ w/ 25 sx cmt

Cement plug top - 1052-1345' w/ 90 sx cmt

Cement plug top - 2572-2760' w/ 45 sx cmt

Cut and Pull 5.5" Casing - 2700'

Cement plug top - 4624-5020' w/ 60 sx cmt

Cement plug on top w/ 25 sx cmt

CIBP - 8900'

Cement plug top - 9915'

CIBP - 9950'

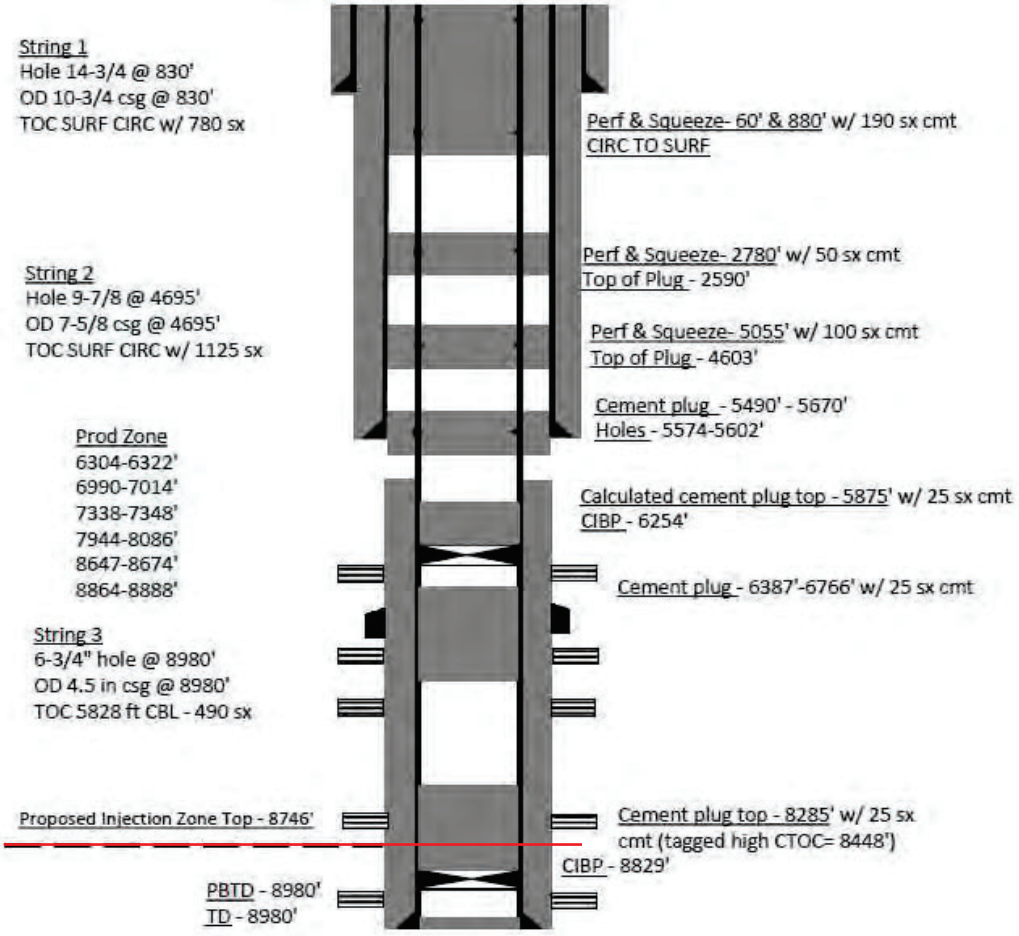
PBTD - 10162'
TD - 10250'

Shaunik Bhatte
3/24/2021

Current Wellbore

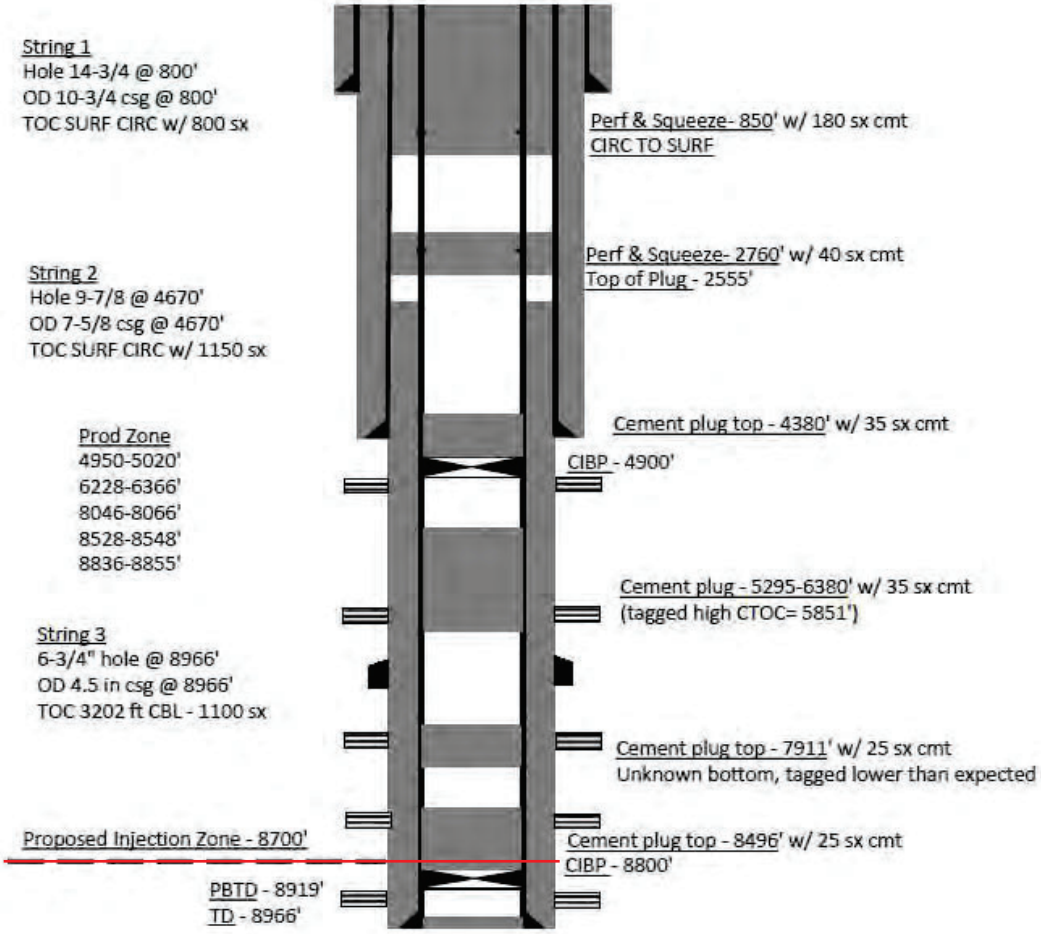
Covington A Federal 16

30-025-33224-0000
Sec 25 T22S R32E SWNE 1650 FNL 1650 FEL
Lea County, NM



Shaunik Bhatte
3/24/2021

Current Wellbore
Covington A Federal 14
30-025-33399-0000
Sec 25 T22S R32E SWNE 1650 FNL 1650 FEL
Lea County, NM

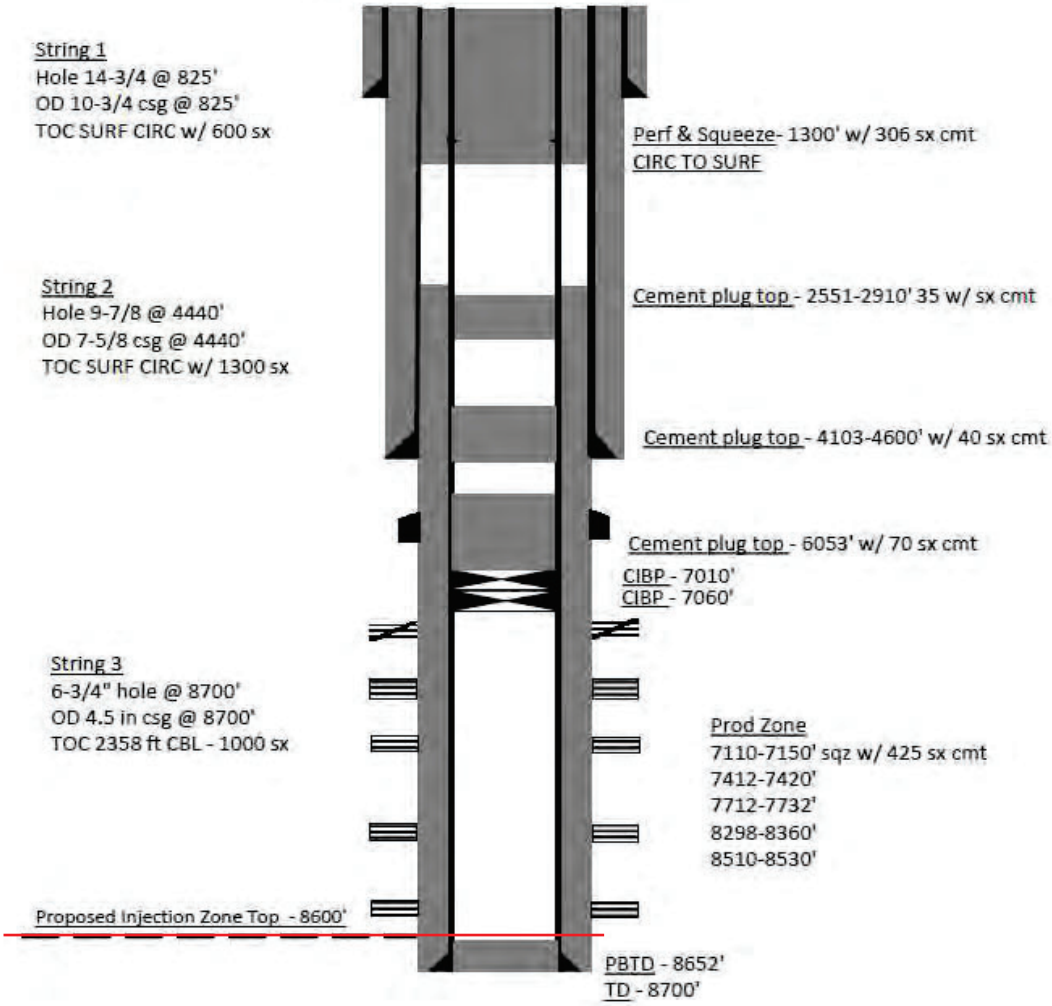


Shaunik Bhatte
3/23/2021

Current Wellbore

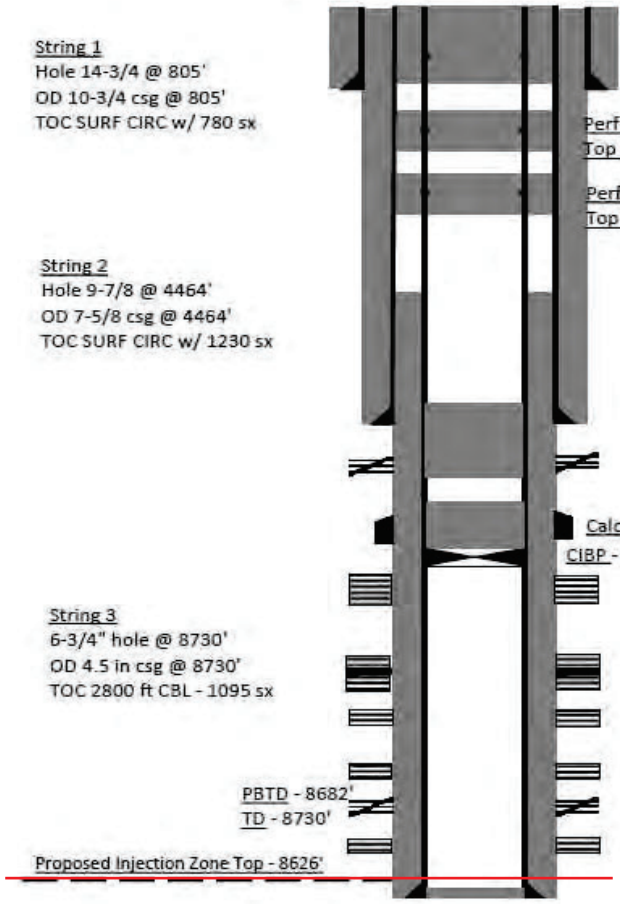
Federal 27 006

30-025-32842-0000
Sec 27 T22S R32E NWSW 1650 FSL 990 FWL
Lea County, NM



Shaunik Bhatte
3/18/2021

Current Wellbore
Federal 27 004
30-025-32796-0000
Sec 27 T22S R32E SENW 2310 FNL 2310 FWL
Lea County, NM



String 1
Hole 14-3/4 @ 805'
OD 10-3/4 csg @ 805'
TOC SURF CIRC w/ 780 sx

String 2
Hole 9-7/8 @ 4464'
OD 7-5/8 csg @ 4464'
TOC SURF CIRC w/ 1230 sx

String 3
6-3/4" hole @ 8730'
OD 4.5 in csg @ 8730'
TOC 2800 ft CBL - 1095 sx

Perf & Squeeze- 855' w/ 215 sx cmt
CIRC TO SURF

Perf & Squeeze- 1310' w/ 30 sx cmt
Top of Plug - 1131'

Perf & Squeeze- 2700' w/ 35 sx cmt
Top of Plug - 2511'

Cement plug top - 4329-4803' w/ 35 sx cmt
Perfs- 4730-4744' squeezed w/ 300 sx cmt

Calculated cement plug top - 5783' w/ 35 sx
CIBP - 6322'

Prod Zone
6372-6748'
7206-7220'
7262-7277' sqz w/ 250 sx cmt
7278-7287'
7412-7425'
7888-7899' sqz w/ 225 sx cmt
8377-8388'

PBTD - 8682'
TD - 8730'

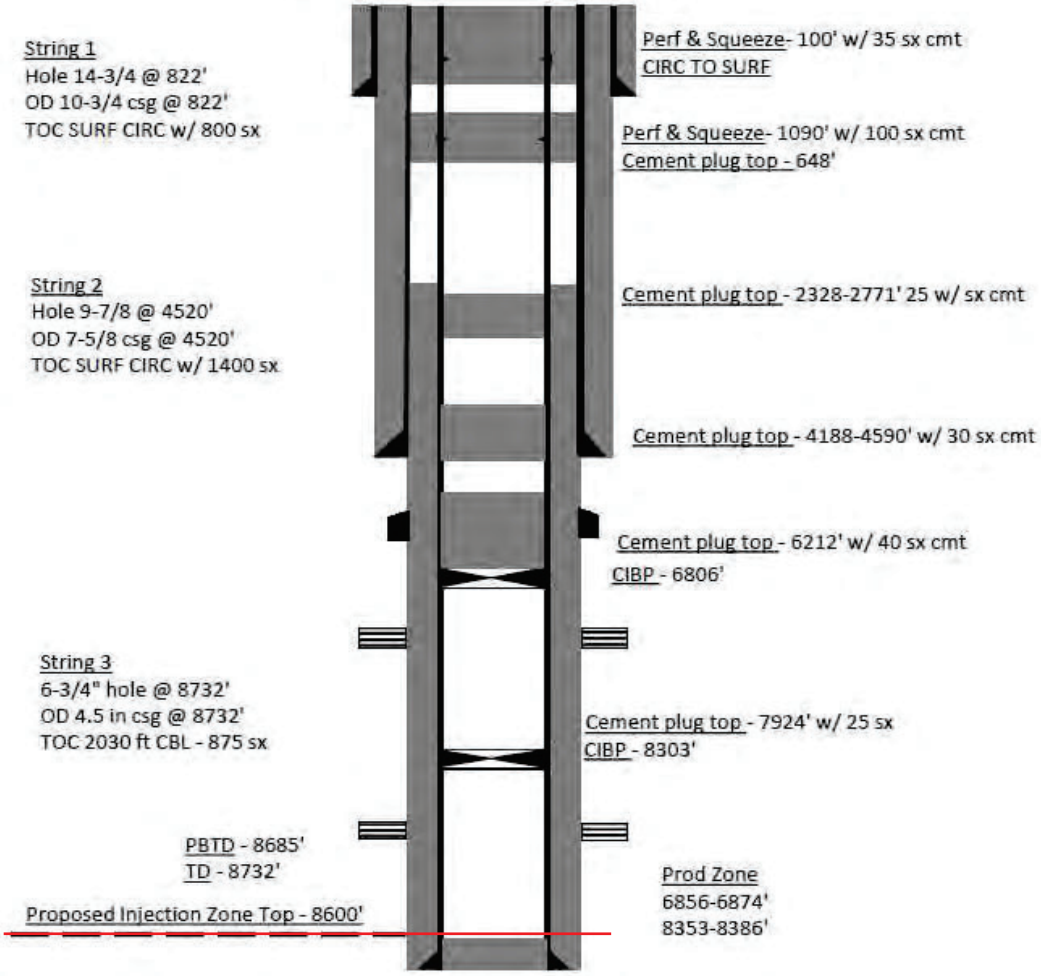
Proposed Injection Zone Top - 8626'

Shaunik Bhatte
3/23/2021

Current Wellbore

Federal 27 008

30-025-32755-0000
Sec 27 T22S R32E SWSW 580 FSL 790 FWL
Lea County, NM

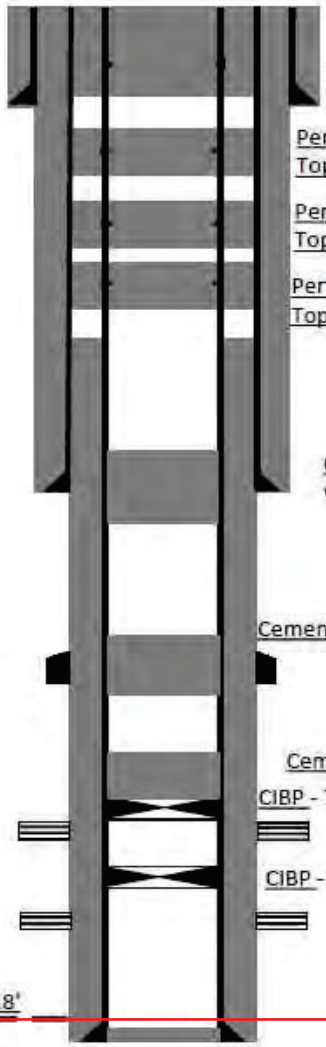


Shaunik Bhatte
3/24/2021

Current Wellbore

Red Tank 34 Federal 15

30-025-32912-0000
Sec 34 T22S R32E SWNW 1700 FNL 180 FWL
Lea County, NM



String 1
Hole 14-3/4 @ 818'
OD 10-3/4 csg @ 818'
TOC SURF CIRC w/ 700 sx

String 2
Hole 9-7/8 @ 4520'
OD 7-5/8 csg @ 4520'
TOC SURF CIRC w/ 1400 sx

String 3
6-3/4" hole @ 8742'
OD 4.5 in csg @ 8742'
TOC 3674 ft CBL - 900 sx

PBTD - 8695'
TD - 8742'

Proposed Injection Zone Top - 8618'

Perf & Squeeze- 60' w/ 50 sx cmt
CIRC TO SURF

Perf & Squeeze- 1090' w/ 140 sx cmt
Top of Plug - 190'

Perf & Squeeze- 2135' w/ 60 sx cmt
Top of Plug - 1963'

Perf & Squeeze- 3425' w/ 60 sx cmt
Top of Plug - 3273'

Cement plug top - 4249-4740'
w/ 30 sx cmt

Cement plug top - 6013-6495' w/ 25 sx cmt

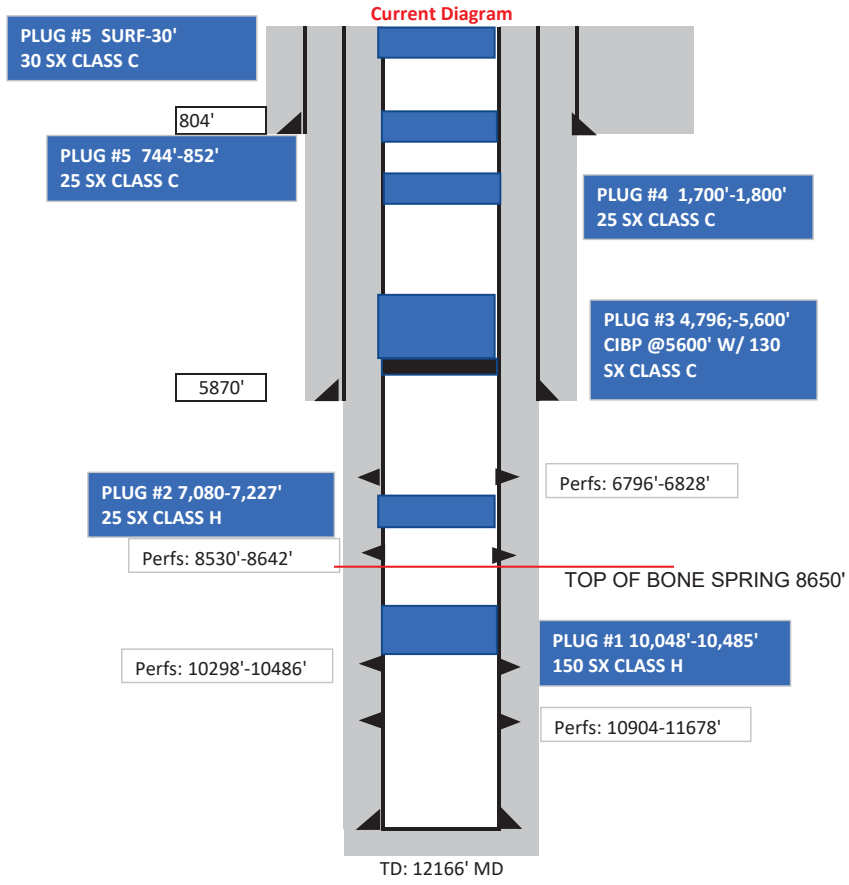
Cement plug top - 6778' w/ 25 sx cmt

CIBP - 7150'

Prod Zone
7197-7210'
8376-8410'

CIBP - 8244'

White Lightnin #001
30-025-31267
C W Trainer

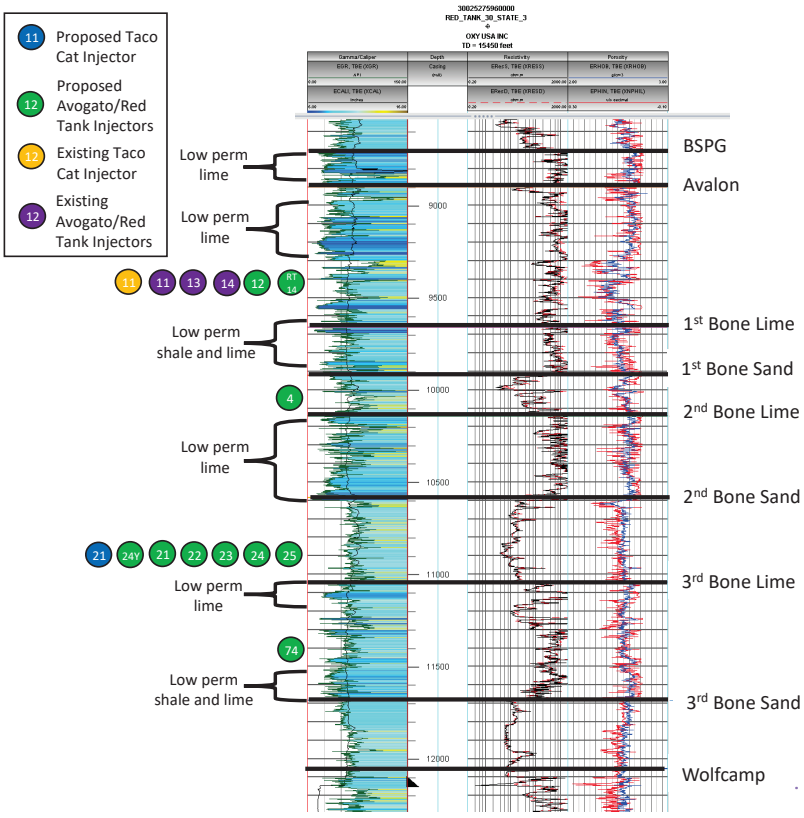


Geology

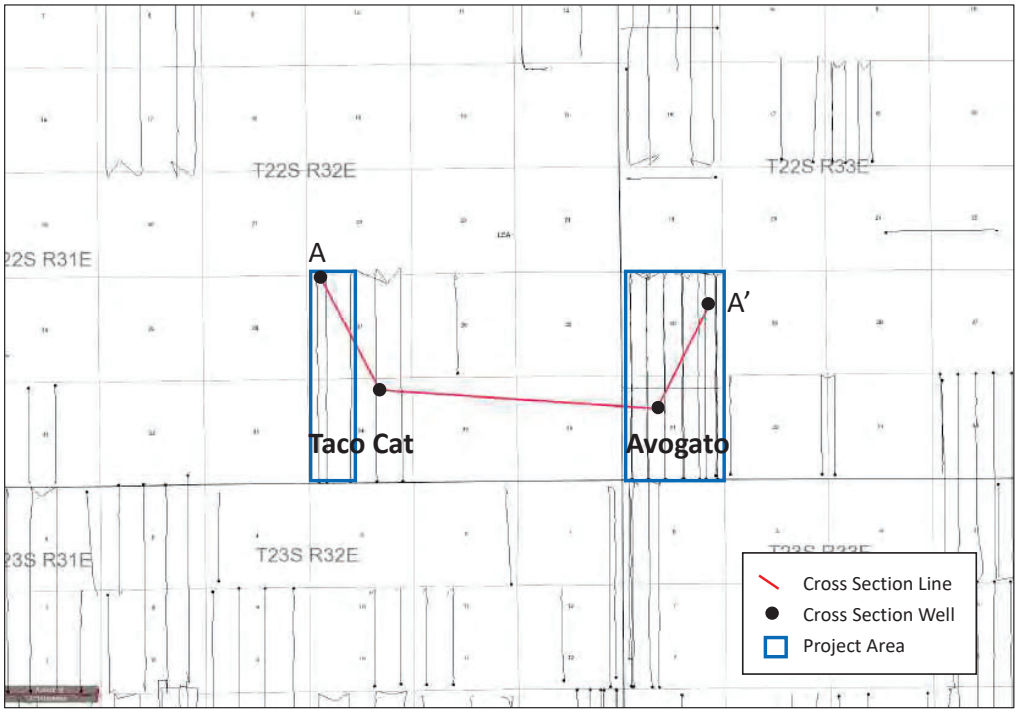
Type Log

Proposed Storage Zones

- Avalon Shale (Avogato 12H, Red Tank 14H)
  - Reservoir comprised of siliceous mudstone reservoir with natural permeability in the nano-darcy range
  - Confining layer: overlain by ~300' of low porosity and permeability limestone and underlain by ~250' of interbedded low porosity and permeability limestone and shale
- 1st Bone Spring (Avogato 4H)
  - Reservoir comprised of low porosity and permeability sands and shales
  - Confining layer: overlain by ~250' of interbedded low permeability limestone and shale and underlain by ~450' of low porosity and permeability limestone
- 2nd Bone Spring (Avogato 21H, 22H, 23H, 24H, 25H, 24Y, Taco Cat 21H)
  - Reservoir comprised of low porosity siltstone and sandstone
  - Confining layer: overlain by ~450' of low permeability limestone and underlain by 150' low permeability limestone
- 3rd Bone Lime (Avogato 74H)
  - Reservoir comprised of interbedded low porosity and permeability silts, shales, and limestones
  - Confining layer: overlain by ~150' of low permeability limestone and underlain by ~200' of low porosity and permeability shales and limestones

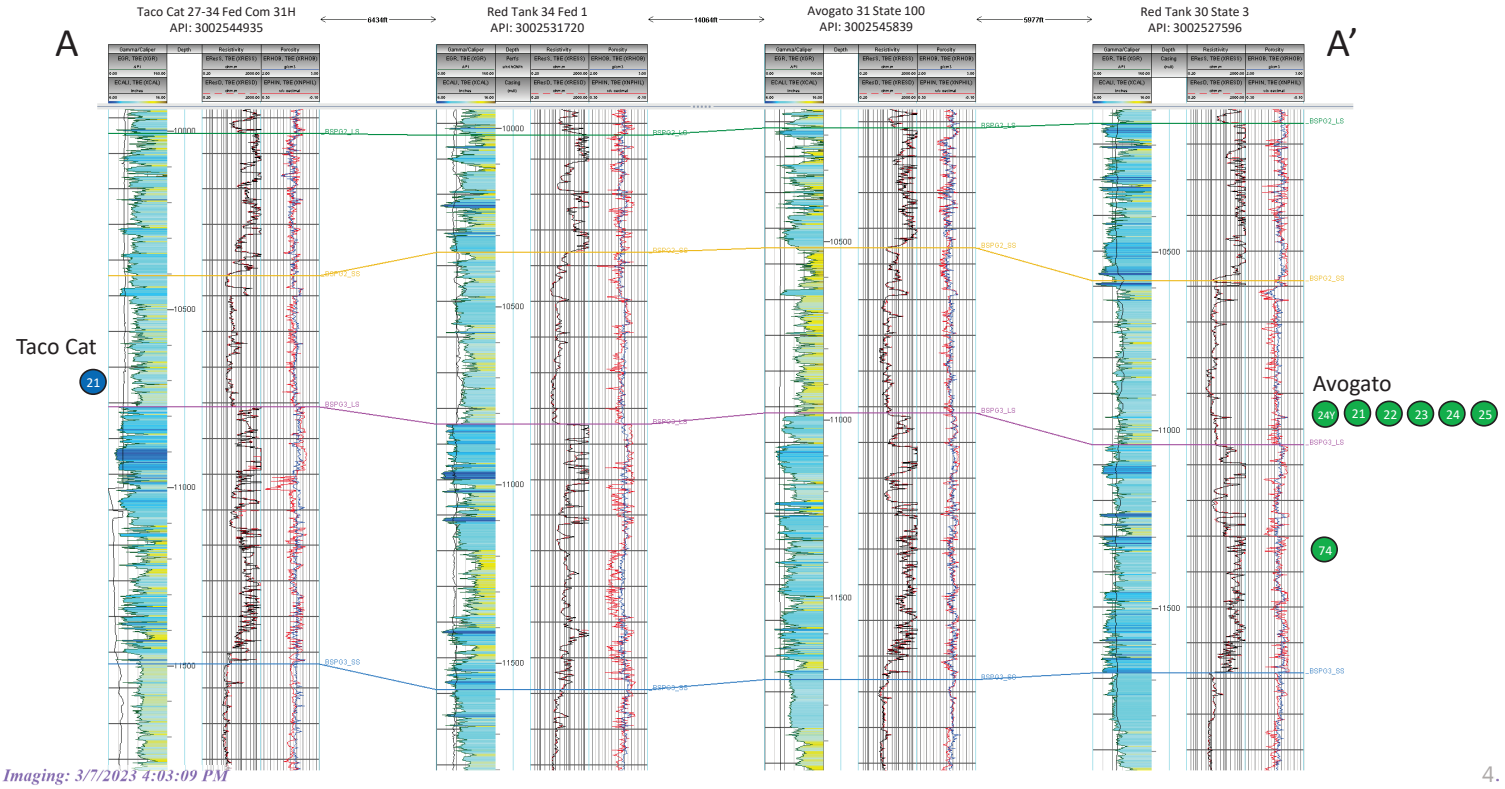


Cross Section Location Map



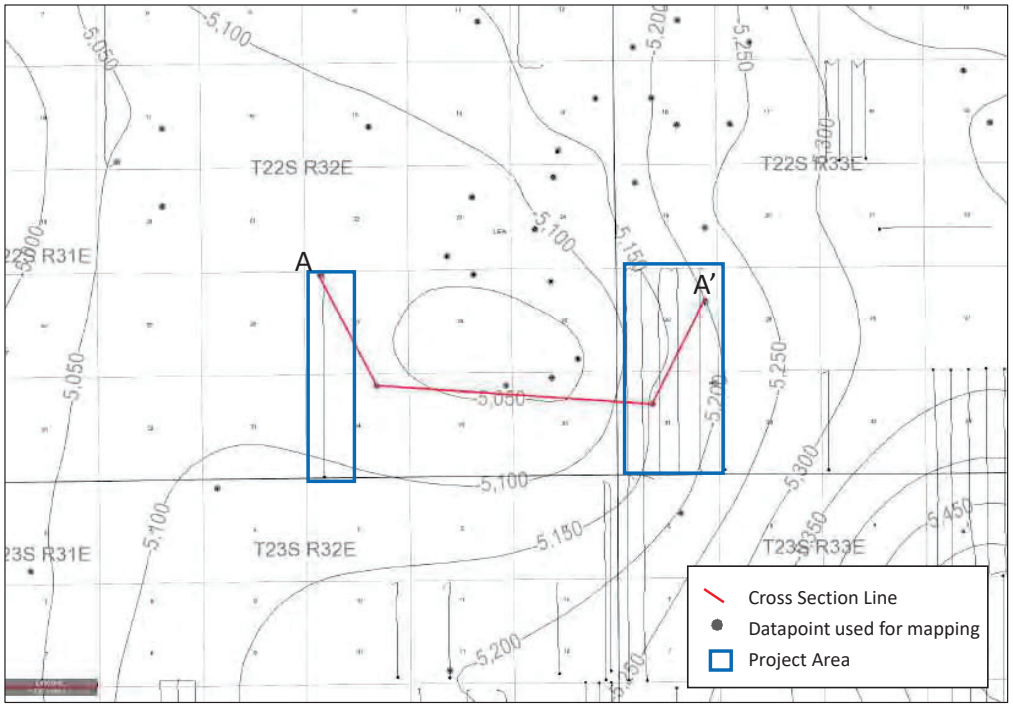
Avalon and First Bone Spring Cross Section

Second Bone Spring and Third Bone Spring Lime Cross Section



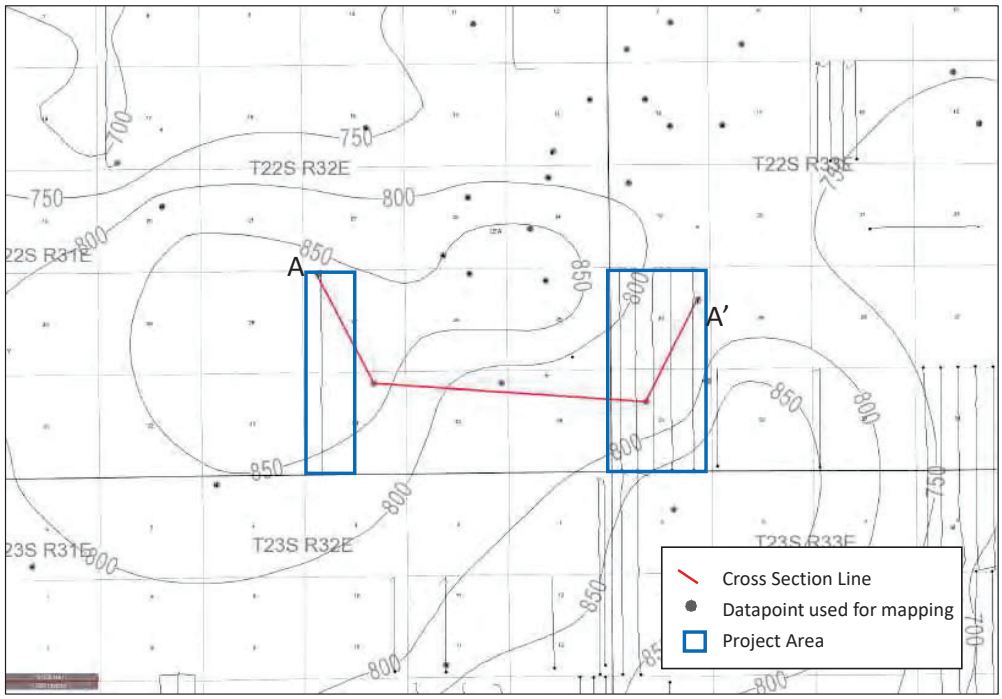
Avalon Structure Map (SSTVD)

Horizontal wells shown are Avalon Producers



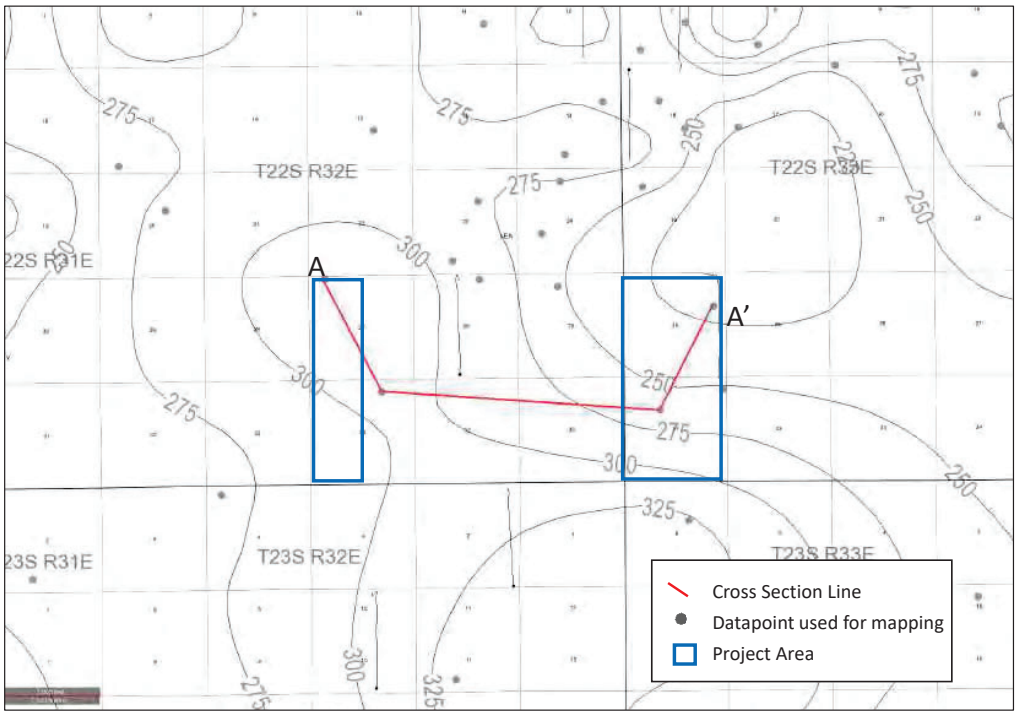
Avalon Isopach

Horizontal wells shown are Avalon Producers



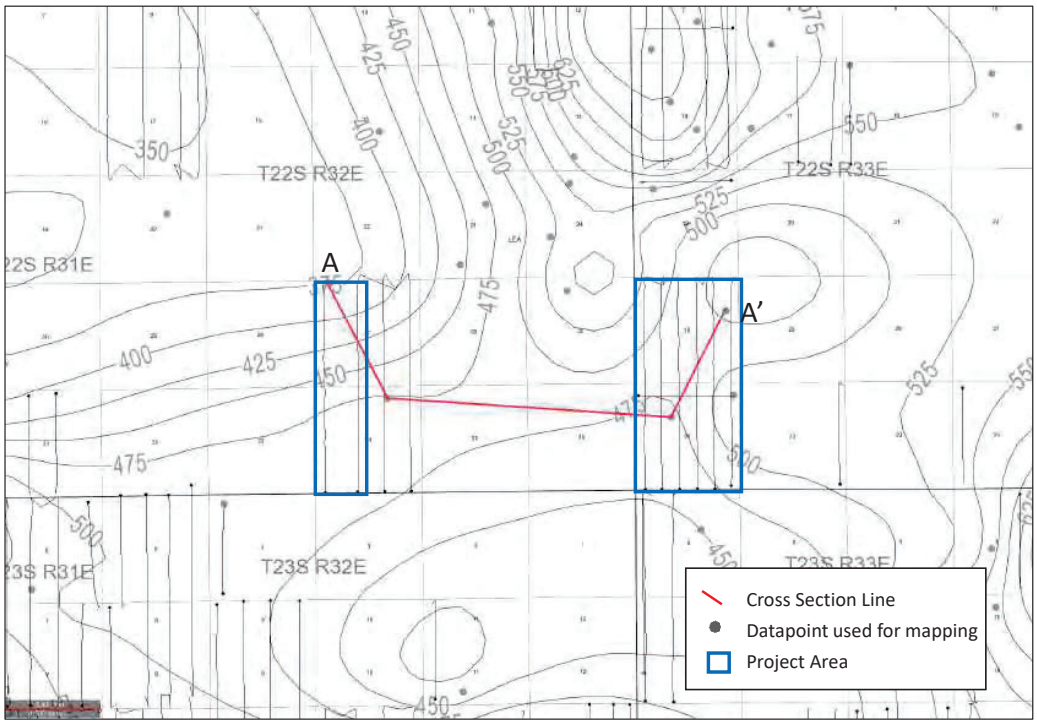
First Bone Spring Isopach

Horizontal wells shown are First Bone Spring Producers



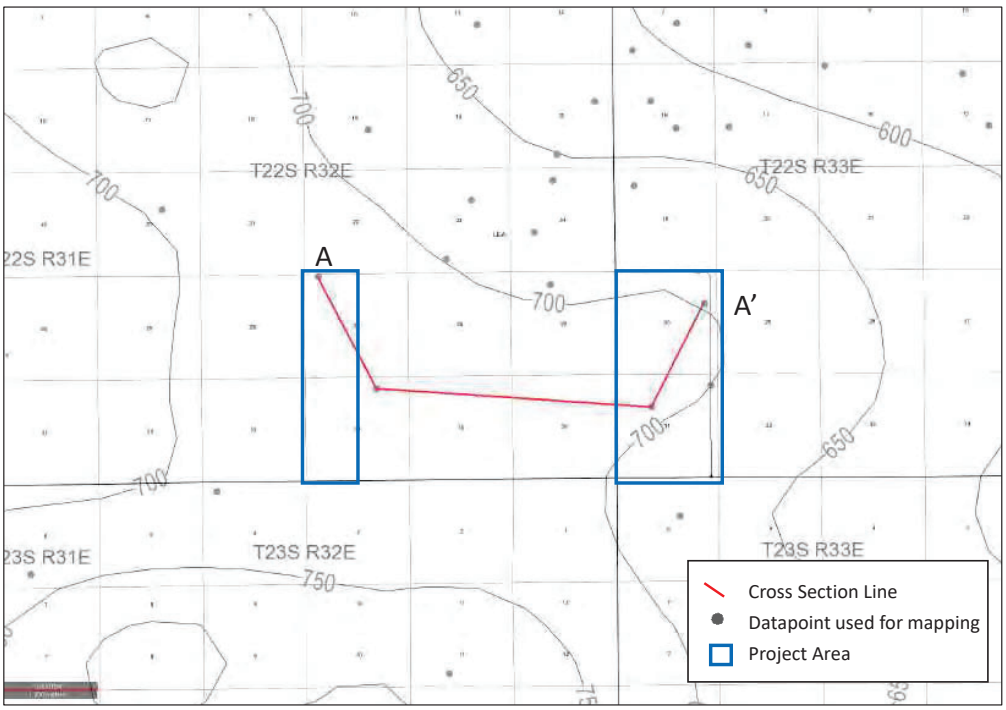
Second Bone Spring Isopach

Horizontal wells shown are Second Bone Spring Producers



Third Bone Spring Lime Isopach

Horizontal wells shown are Third Bone Spring Lime Producers



Geologic Information for Wells injecting into the Avalon member of the Bone Spring Formation

Two wells will be injecting into the Avalon member of the Bone Spring Formation. The wells have an average TVD of approximately 9,475' (Avogato 30-31 State Com 12H and Red Tank 30-31 State com 14H). The wells have lateral lengths of approximately 10,000'. The Avalon Shale is a very fine-grained quartz-rich and brittle siltstone with alternating cycles of carbonate rich mudstones deposited by gravity flows. Well log analysis indicates the Avalon has an average porosity of 6% with nanodarcy permeabilities.

Low-permeability barriers to fluid flow exist within the Bone Spring Formation above and below the Avalon Shale. Above the Avalon Shale, the Bone Spring Formation consists of approximately 300' of fine-grained siltstones and limestones that have very low permeabilities. Below the Avalon Shale is approximately 250' of low permeability interbedded limestones and siltstones.

Overlying the Bone Spring is the 3,700' thick Delaware Mountain Group, which consists of water and hydrocarbon-bearing low porosity and permeability sands with minor amounts of interbedded limestone and shale. Above the Delaware Mountain Group is the Castile Formation consisting of very low permeability anhydrite, gypsum, and calcite that acts as another ~1,500' thick barrier to upward movement of fluids. The Salado Formation overlies the Castile and consists of ~1,000' of impermeable salt. The top of the Salado is at 1,500' TVD and the deep aquifers found just above the Salado at the base of the Rustler are saline water. The top of Rustler Formation is at approximately 1000'. The Rustler is a continuous anhydrite layer that acts as another low permeability confining layer creating a perched aquifer above it that is the lowest known fresh water in the area. Due to the thickness of multiple impermeable rock layers between the injection interval and the shallow aquifers there is very little possibility of migration of injected fluids into freshwater aquifers.

Locate freshwater wells within two miles:

An investigation of existing shallow water wells has not identified any active freshwater wells within a two-mile radius of the proposed injectors.

Well List:
Avogato 30 31 State Com #012H
Red Tank 30 31 State Com #014H

Geologic Information for Wells injecting into the First Bone Spring Formation

The Avogato 30-31 State Com 4H will be injecting into the First Bone Spring Formation. The well has an average TVD of approximately 10,150' TVD and a lateral length of approximately 10,000'. The 1st Bone Spring is a fine-grained siltstone with interbedded carbonates and mudstones deposited by gravity flows. Well log analysis indicates the First Bone Spring has an average porosity of 6% with nanodarcy permeability.

Low-permeability barriers to fluid flow exist within the Bone Spring Formation above and below the First Bone Spring. Above the First Bone Spring injector, the Bone Spring Formation consists of approximately 250' of fine-grained siltstones and limestones that have very low permeabilities. Below the First Bone Spring is approximately 300' of low permeability interbedded limestones and siltstones.

Overlying the Bone Spring is the 3,700' thick Delaware Mountain Group, which consists of water and hydrocarbon-bearing low porosity and permeability sands with minor amounts of interbedded limestone and shale. Above the Delaware Mountain Group is the Castile Formation consisting of very low permeability anhydrite, gypsum, and calcite that acts as another ~1,500' thick barrier to upward movement of fluids. The Salado Formation overlies the Castile and consists of ~1,000' of impermeable salt. The top of the Salado is at 1,500' TVD and the deep aquifers found just above the Salado at the base of the Rustler are saline water. The top of Rustler Formation is at approximately 1000'. The Rustler is a continuous anhydrite layer that acts as another low permeability confining layer creating a perched aquifer above it that is the lowest known fresh water in the area. Due to the thickness of multiple impermeable rock layers between the injection interval and the shallow aquifers there is very little possibility of migration of injected fluids into freshwater aquifers.

Locate freshwater wells within two miles:

An investigation of existing shallow water wells has not identified any active freshwater wells within a two mile radius of the proposed injectors.

Well List:
Avogato 30 31 State Com #004H

Geologic Information for Wells injecting into the Second Bone Spring Formation

Seven wells will be injecting into the Second Bone Spring Formation. The Red Tank 30-31 State Com 24Y and Avogato 30-31 State Com 21H, 22H, 23H, 24H, and 25H have an average depth of approximately 10,800' TVD and the Taco Cat 27-34 Fed Com 21H has an average depth of approximately 10,700' TVD. The 2nd Bone Spring is a fine-grained siltstone with interbedded carbonates and mudstones deposited by gravity flows. Well logs indicate the Second Bone Spring has an average porosity of 7% with nanodarcy permeabilities.

Low-permeability barriers to fluid flow exist within the Bone Spring Formation above and below the Second Bone Spring. Above the Second Bone Spring injectors, the Bone Spring Formation consists of approximately 300' of fine-grained siltstones and limestones that have very low permeabilities. Below the Second Bone Spring is approximately 200' of low permeability interbedded limestones and siltstones.

Overlying the Bone Spring is the 3,700' thick Delaware Mountain Group, which consists of water and hydrocarbon-bearing low porosity and permeability sands with minor amounts of interbedded limestone and shale. Above the Delaware Mountain Group is the Castile Formation consisting of very low permeability anhydrite, gypsum, and calcite that acts as another ~1,500' thick barrier to upward movement of fluids. The Salado Formation overlies the Castile and consists of ~1,000' of impermeable salt. The top of the Salado is at 1,500' TVD and the deep aquifers found just above the Salado at the base of the Rustler are saline water. The top of Rustler Formation is at approximately 1000'. The Rustler is a continuous anhydrite layer that acts as another low permeability confining layer creating a perched aquifer above it that is the lowest known fresh water in the area. Due to the thickness of multiple impermeable rock layers between the injection interval and the shallow aquifers there is very little possibility of migration of injected fluids into freshwater aquifers.

Locate freshwater wells within two miles:

An investigation of existing shallow water wells has not identified any active freshwater wells within a two mile radius of the proposed injectors.

Well List:
Avogato 30 31 State Com #021H
Avogato 30 31 State Com #022H
Avogato 30 31 State Com #023H
Avogato 30 31 State Com #024H
Avogato 30 31 State Com #025H
Red Tank 30 31 State Com #024Y
Taco Cat 27 34 Fed Com #021H

Geologic Information for Wells injecting into the Third Bone Spring Lime Formation

The Avogato 30-31 State Com 74H will be injecting into the Third Bone Spring Lime Formation. The well has an average TVD of approximately 11,400' TVD and a lateral length of approximately 10,000'. The Third Bone Spring Lime is a very fine-grained brittle siltstone with alternating cycles of carbonates, sands, and mudstones deposited by gravity flows. Well log analysis indicates the Third Bone Lime has an average porosity of 5% with nanodarcy permeability.

Low-permeability barriers to fluid flow exist within the Bone Spring Formation above and below the Third Bone Spring Lime. Above the Third Bone Spring Lime injectors, the Bone Spring Formation consists of approximately 300' of fine-grained siltstones and limestones that have very low permeabilities. Below the Third Bone Spring Lime is approximately 250' of low permeability interbedded limestones and siltstones.

Overlying the Bone Spring is the 3,700' thick Delaware Mountain Group, which consists of water and hydrocarbon-bearing low porosity and permeability sands with minor amounts of interbedded limestone and shale. Above the Delaware Mountain Group is the Castile Formation consisting of very low permeability anhydrite, gypsum, and calcite that acts as another ~1,500' thick barrier to upward movement of fluids. The Salado Formation overlies the Castile and consists of ~1,000' of impermeable salt. The top of the Salado is at 1,500' TVD and the deep aquifers found just above the Salado at the base of the Rustler are saline water. The top of Rustler Formation is at approximately 1000'. The Rustler is a continuous anhydrite layer that acts as another low permeability confining layer creating a perched aquifer above it that is the lowest known fresh water in the area. Due to the thickness of multiple impermeable rock layers between the injection interval and the shallow aquifers there is very little possibility of migration of injected fluids into freshwater aquifers.

Locate freshwater wells within two miles:

An investigation of existing shallow water wells has not identified any active freshwater wells within a two mile radius of the proposed injectors.

Well List:
Avogato 30 31 State Com #074H

Closed Loop Gas Capture (CLGC) Project

Affirmative Statement 1

The operator examined the available geologic and engineering data and found no evidence of open faults or other hydrologic connections between the disposal zone and any underground source of drinking water.

Jared Rountree, Geologist — 3/1/2023
Date

Rahul Joshi, Reservoir Engineer — 02/17/2023
Date

Reservoir Analysis

2021 Reservoir Analysis Recap

- Reservoir Simulation Model was built and history-matched with 2017 high pressure (4200 psi) gas EOR pilot project in Cedar Canyon 16-7H.
- For this project, multiple low-pressure (1200-1300 psi) gas storage scenarios were simulated.
- Results
  - Minor increase in gas saturation and reservoir pressure within the fracture network. Gas storage impacts the fracture network no more than 100 ft from the wellbore.
  - Forecast initial injection rate of 3000 MSCFPD for a 10,000 ft lateral at 1200 psi surface injection pressure.
  - Anticipate no impact on oil or gas production of gas storage well. This is due to small volumes and low pressure of gas storage events.
  - Anticipate no impact on oil or gas production of offset wells.

2023 Reservoir Analysis Updates

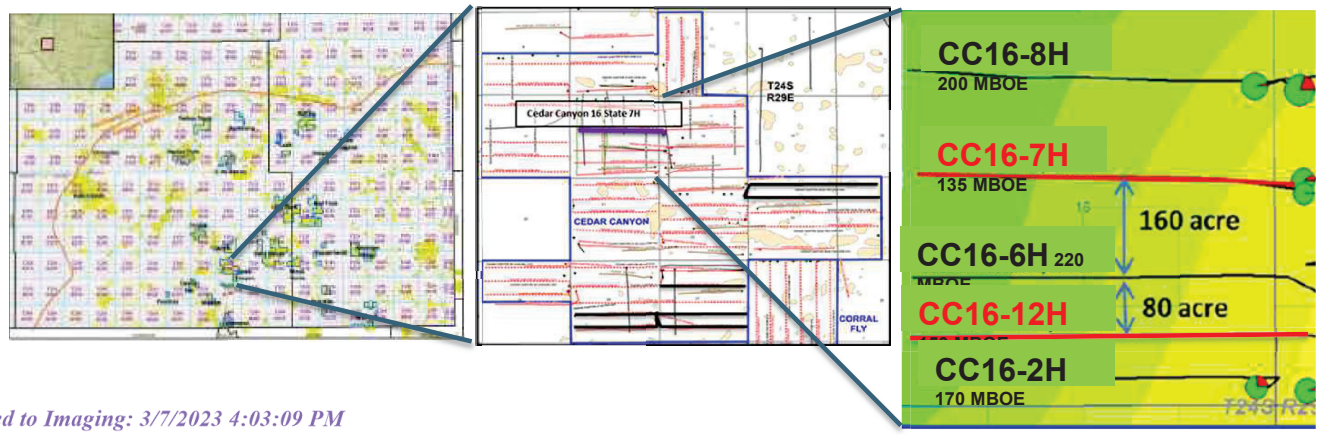
- Previous model results are still applicable due to similar project scope.
  - Theoretical vs. actual gas storage injection rates confirmed accuracy of model.
  - Increase in the MASP from 1200 psi to 1300 psi results in increased injection rate but does not impact the reservoir model results on reservoir gas saturation or reservoir pressure profile.
- Oil production rates before and after a gas storage event are similar.
- Gas storage capacity and SRV values are included for new candidate wells.
- Actual injection volumes are a lot less than the gas storage capacity of the fracture network.
- For the longest storage event of 5 days, storage gas from each well was recovered after 1-3 months.

Project Overview – Avogato, Taco Cat & Red Tank

- Closed loop gas capture project (CLGC) IN Oxy's NM assets
- Produced gas injection into productive formation in NM (Avalon, 1BS, 2BS, Harkey)
- Gas injection into horizontal wells of 10,000 ft lateral length
- Purpose of Modeling
  - >Review potential effects on wells adjacent to the CLGC area
  - >Quantify movement of the injected gas
  - >Utilize data from Cedar Canyon Huff and Puff Projects

Model Set-up

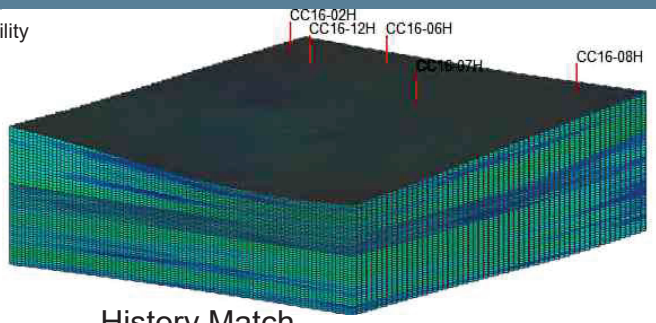
- Uses Cedar Canyon Sec 16 2nd BSS (as shown in layout below)
- Gas Injection pilot (EOR) was implemented in CC16-7H well in 2017
- Reservoir model is history matched for primary production and gas injection pilot
- Model is also tuned to capture injection gas breakthrough in offset wells that was observed during pilot period
- Gas injection pilot wells are 4 wells per section; model is adjusted to simulate the effect of closer wells (6 wps)



Cedar Canyon Section-16 Reservoir Model

Location:	Lea County,NM
Model Acreage:	640
Pay Horizon:	2nd Bone Springs Sand
Lithology:	Sandstone interbedded with Limestone
Trap Type:	Stratigraphic
Nominal Depth:	8400 ft
Gas Cap (at discovery):	No
Primary Drive Mechanism:	Solution Gas Drive

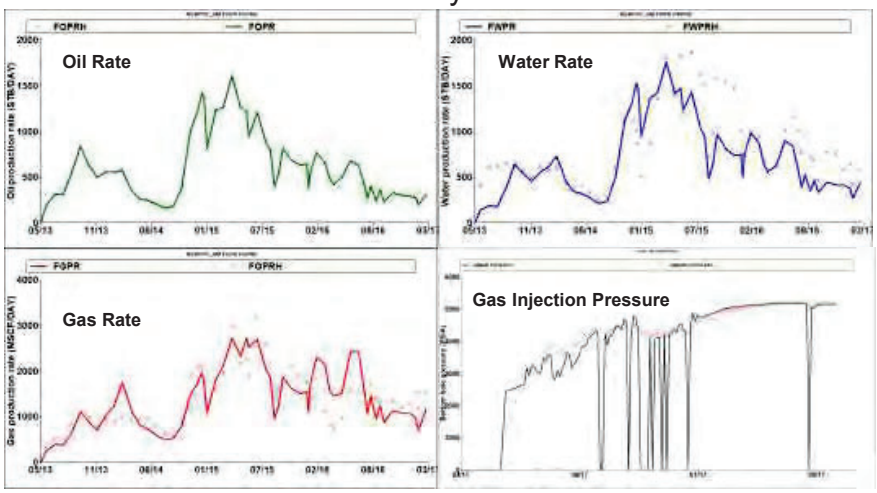
Structure & Permeability
1,177,400 Grids
56 Layers



Model Inputs

Gross Pay:	320 ft
Net Pay:	320 ft
Avg Porosity:	6.8%
Initial Sw:	50%
Permeability:	0.0003md (matrix)
Initial Reservoir Pressure:	4500 psi
Reservoir Temperature:	150 F
Oil Gravity:	42 API
Boi:	1.63 RB/STB
Rsi:	1480 SCF/STB
Original Oil in Place:	28 MMSTB

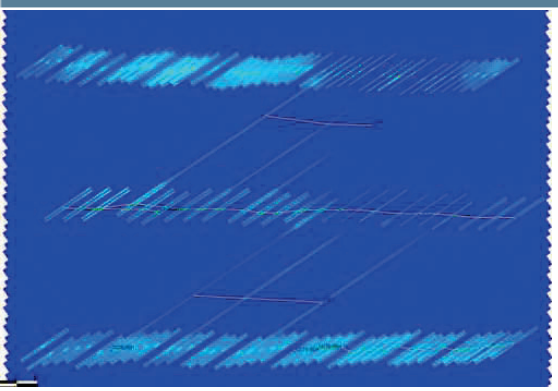
History Match



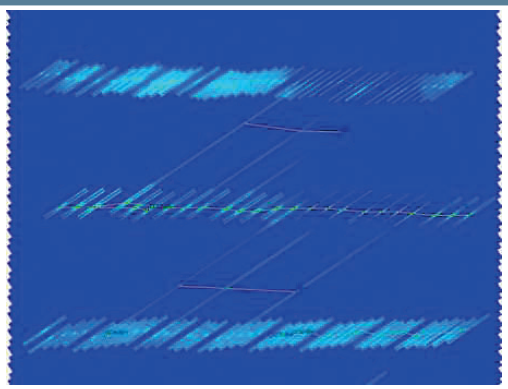
Gas Storage Simulation Process

- Run primary production for all wells for additional period (post history match) – Base Case
- Inject gas in injection well at 2MMSCFPD for 7 days
- Produce the injection well post injection – Injection Case
- Observe the effect on oil, gas rate/recovery in injection well and offset wells by comparing Base and Injection cases

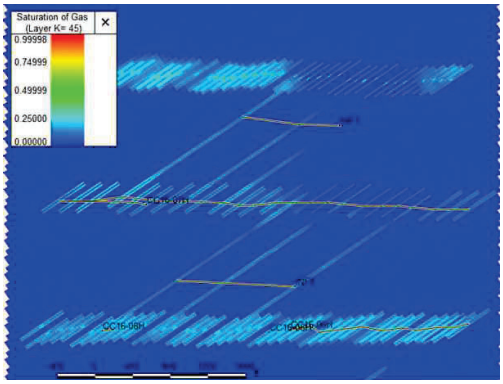
Gas Injection Profile (1 week Injection)



Before injection

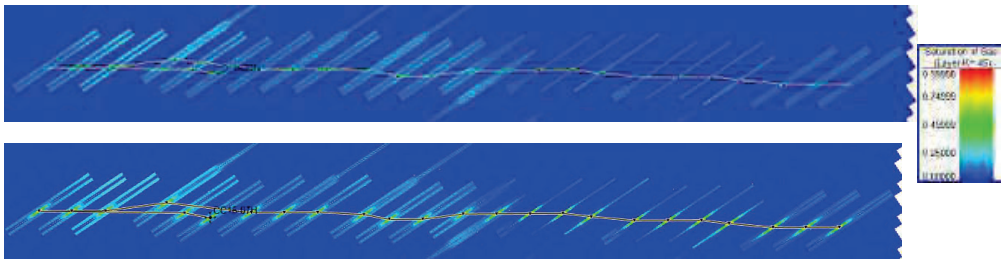


After 1 week of injection (3 MMSCFPD)



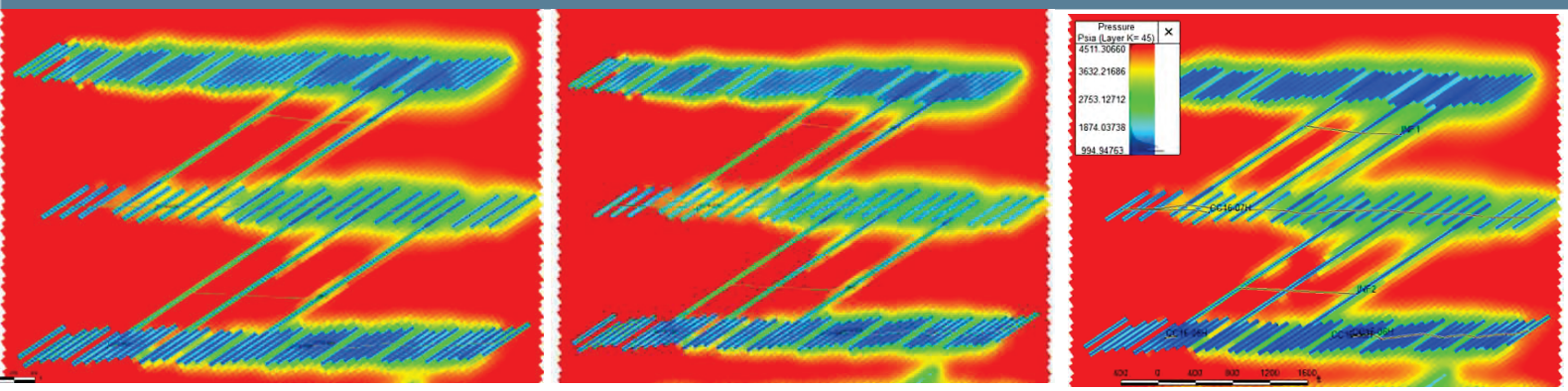
After 16 months production

Before Injection CC16-7H Blow-up



After Injection CC16-7H Blow-up

Pressure Profile (1 week injection)

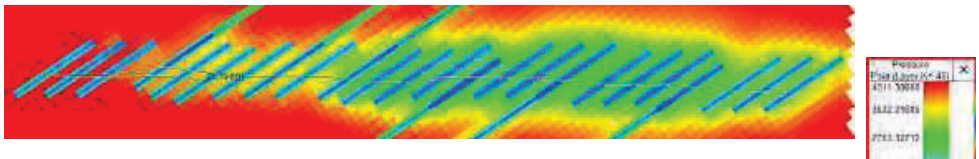


Before injection

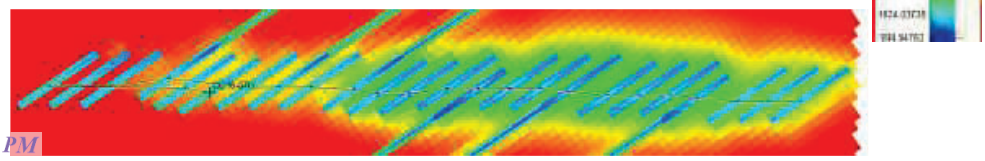
After 1 week of injection (3 MMSCFPD)

After 16 months production

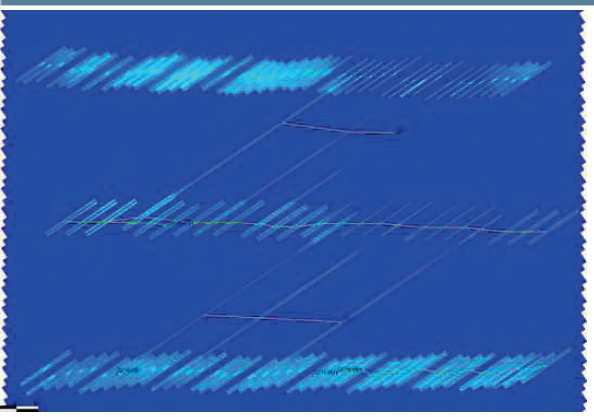
Before Injection CC16-7H Blow-up



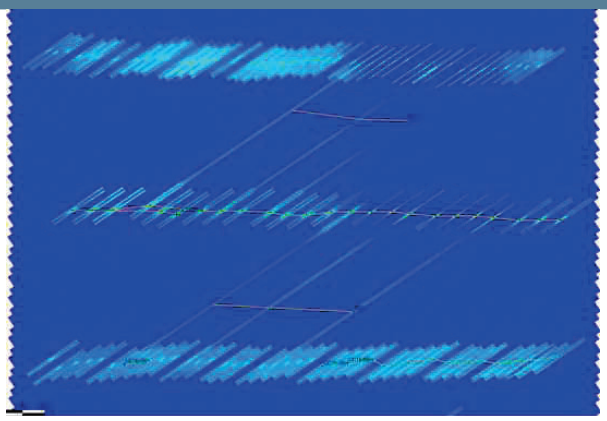
After Injection CC16-7H Blow-up



Gas Injection Profile (3 weeks Injection)

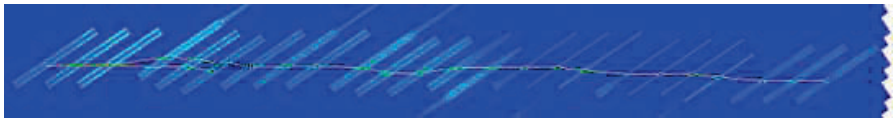


Before injection

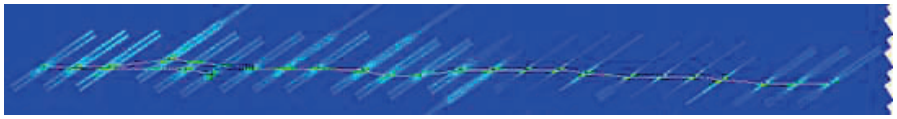


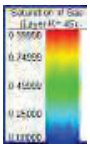
After 3 weeks of injection (@1200 psi THP)

Before Injection CC16-7H Blow-up

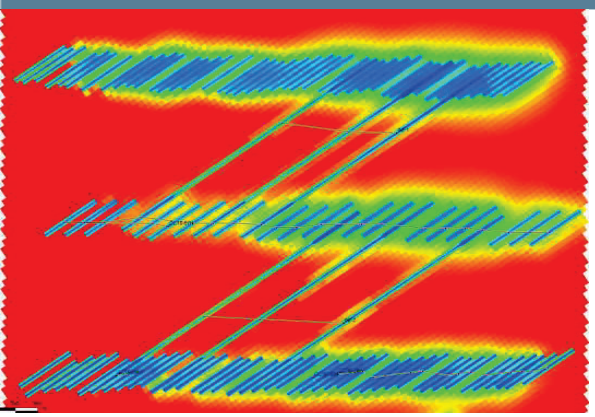


After Injection CC16-7H Blow-up

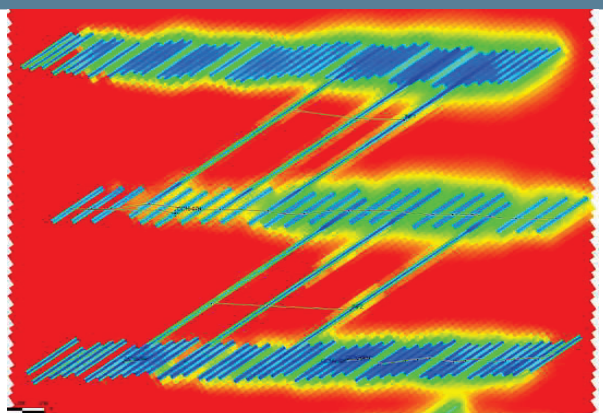




Pressure Profile (3 weeks Injection)

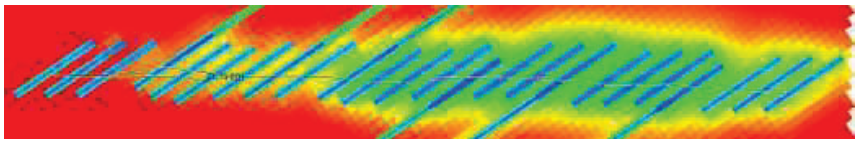


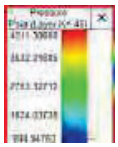
Before injection



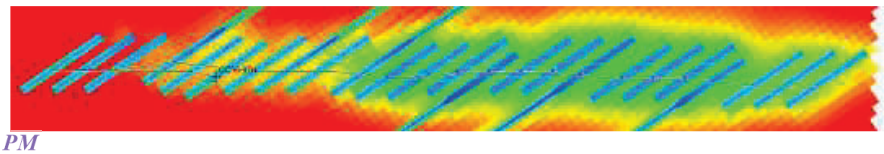
After 3 weeks of injection (@1200 psi THP)

Before Injection CC16-7H Blow-up





After Injection CC16-7H Blow-up



Summary of Cases

Case	Injection Description*	WPS	Oil recovery effect in injected well (MBO)	Oil recovery effect in offset wells (MBO)	Gas breakthrough in Offset well
1	Single Well	4	No change	No change	No
2	Single Well**	6	No change	No change	No
3	Single Well	8	No change	No change	No
4	Single Well (Multiple injection and production cycles)	6	No change	No change	No
5	Single well***	6	No change	No change	No
6	Multiple Adjacent Wells	4	No change	No change	No
7	Multiple Adjacent Wells	6	No change	No change	No
8	Multiple Adjacent Wells	8	No change	No change	No

All injection at 2MMSCF/DAY for 7 days except cases 2 and 5

***Injection at 3MMSCF/DAY for 7 days*

****Injection at constant surface pressure of 1200 psi for 21 days*

Stimulated Rock Volume (SRV)

API	Well Name	Avg Xf (ft)	Avg H (ft)	Well Length (ft)	SRV, ft3
3002545923	AVOGATO 30 31 STATE COM #004H	400	400	10000	3,200,000,000
3002545957	AVOGATO 30 31 STATE COM #012H	350	423	10000	2,961,000,000
3002545924	AVOGATO 30 31 STATE COM #021H	400	451	10000	3,608,000,000
3002545925	AVOGATO 30 31 STATE COM #022H	375	377	10000	2,827,500,000
3002545926	AVOGATO 30 31 STATE COM #023H	400	451	10000	3,608,000,000
3002545960	AVOGATO 30 31 STATE COM #024H	375	377	10000	2,827,500,000
3002545961	AVOGATO 30 31 STATE COM #025H	400	451	10000	3,608,000,000
3002545964	AVOGATO 30 31 STATE COM #074H	588	304	10000	3,575,040,000
3002544193	RED TANK 30 31 STATE COM #014H	350	423	10000	2,961,000,000
3002544161	RED TANK 30 31 STATE COM #024Y	375	377	10000	2,827,500,000
3002544934	TACO CAT 27 34 FEDERAL COM #021H	375	377	10000	2,827,500,000

Gas storage capacity is high for each well

- SRV : 2*Xf*Xh*WellLength

Gas Storage Capacity

API	Well Name	Fracture volume gas equivalent, mmscf	Total prod gas equivalent, mmscf
3002545923	AVOGATO 30 31 STATE COM #004H	293	1943
3002545957	AVOGATO 30 31 STATE COM #012H	333	2727
3002545924	AVOGATO 30 31 STATE COM #021H	235	1138
3002545925	AVOGATO 30 31 STATE COM #022H	232	1182
3002545926	AVOGATO 30 31 STATE COM #023H	232	1254
3002545960	AVOGATO 30 31 STATE COM #024H	237	1042
3002545961	AVOGATO 30 31 STATE COM #025H	226	1311
3002545964	AVOGATO 30 31 STATE COM #074H	252	770
3002544193	RED TANK 30 31 STATE COM #014H	310	2062
3002544161	RED TANK 30 31 STATE COM #024Y	237	1597
3002544934	TACO CAT 27 34 FEDERAL COM #021H	254	1392

- Table below shows gas injected for May 23 storage event in permitted wells
- Actual injected volume is significantly less than maximum fracture storage capacity

API	Well	Fracture volume gas equivalent, mmscf	Actual gas injected, mmscf
3002545956	AVOGATO 30-31 STATE COM 11H	326	13
3002545958	AVOGATO 30-31 STATE COM 13H	312	10
3002545959	AVOGATO 30-31 STATE COM 14H	325	13
3002544933	TACO CAT 27 34 FEDERAL COM 11H	339	13

Closed Loop Gas Capture (CLGC) Project

Affirmative Statement 2

The operator examined the available geologic and engineering data and determined 1) the total recoverable volume of hydrocarbons from the reservoir will not be adversely affected by the project and 2) the gas composition will not damage the reservoir.

_____ 02/17/2023_____

Rahul Joshi, Reservoir Engineer Date

GOR Gas Allocation

GOR Gas Allocation Plan for CLGC Wells

Application

The following methodology will apply to CLGC wells on a well by well basis. The application will start after a CLGC storage event and will end after 100% of the Storage Gas Injection Inventory is recovered. Afterwards, Gas Allocation will revert to previous accounting procedures.

Overview

During a CLGC storage event, a portion of the combined gas streams from source wells will be stored in a CLGC well. After a storage event, the wellhead gas produced from a CLGC well will consist of three components: Gas Lift Gas, Native Gas, and Storage Gas Production. Both Native Gas and Storage Gas Production are produced from the reservoir, and the combined production is Reservoir Gas.

Wellhead Gas Produced = Gas Lift Gas + Native Gas + Storage Gas Production

Gas Lift Gas is measured continuously for each well. This methodology applies a Gas-Oil-Ratio (GOR) Calculation to determine the Native Gas (owned by the owners of the CLGC well) and Storage Gas Production (owned by the owners of the source wells).

A Well Test Allocation Method will be utilized after a storage event. In the example below, the well tests values are highlighted. The values between are interpolated.

Example

The following data is a simulated, 1-Day storage event.

- 2000 mscf is injected over 24 consecutive hours.
- The well is produced back immediately following a storage event.
- The data has been truncated at 24 days because it is included for illustration purposes.

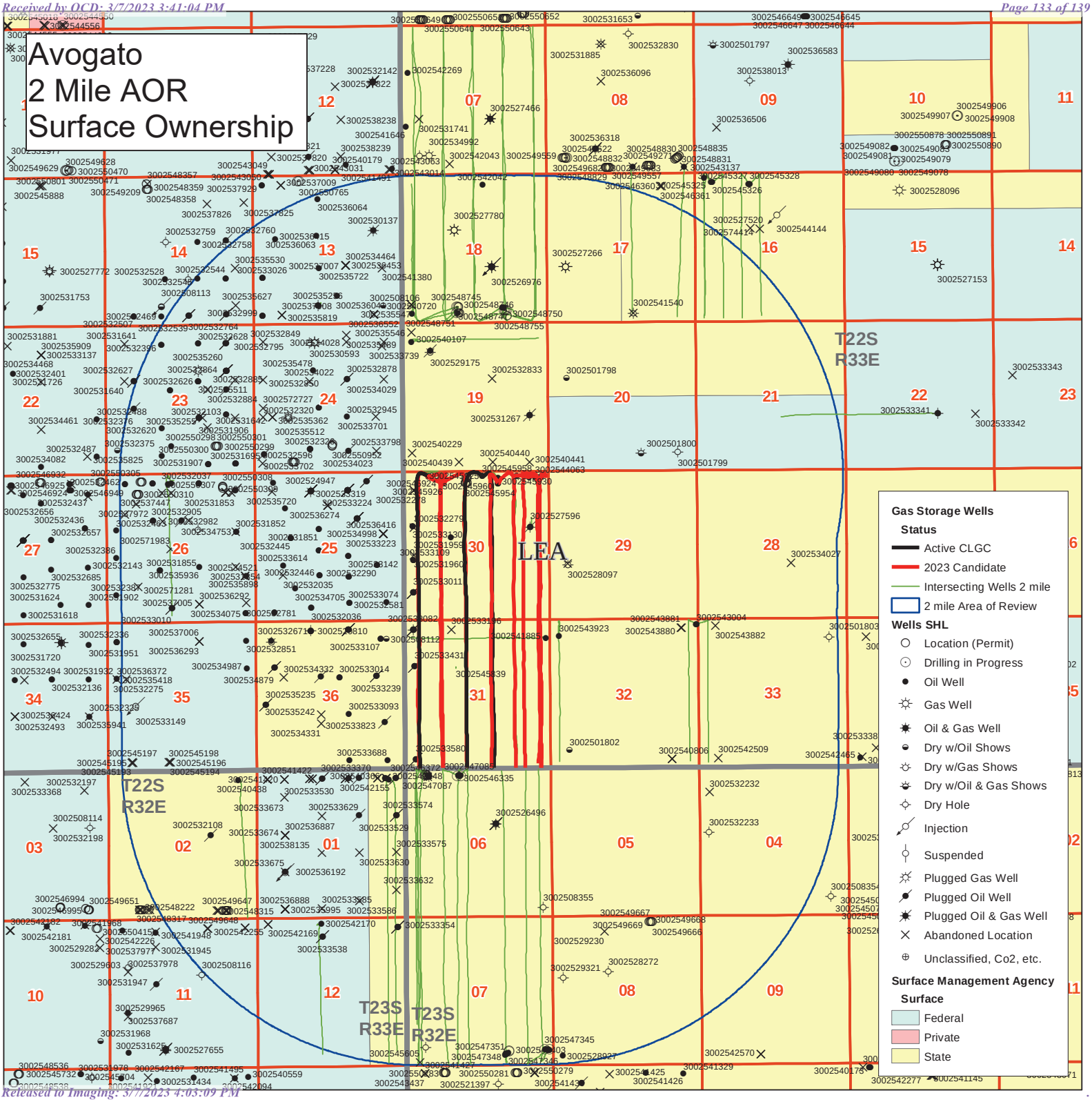
The input and calculated values for an example well are listed below:

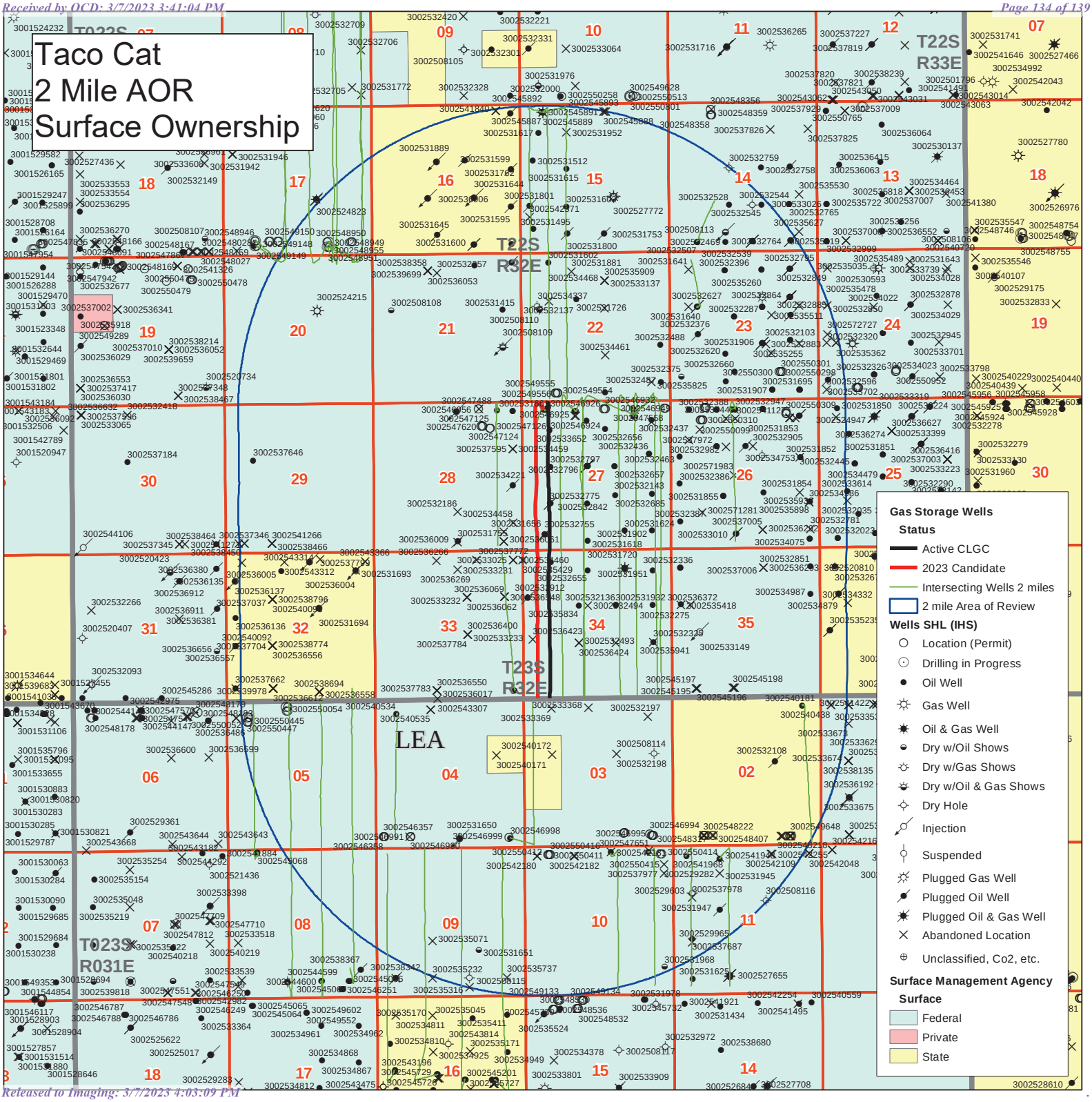
Values	Description
Wellhead Gas Produced, mscf/d	Wellhead gas, measured with well test
Gas Lift Gas, mscf/d	Gas Lift Gas injection, measured with flow meter
Reservoir Gas, mscf/d	Reservoir Gas, the difference between Wellhead Gas and Gas Lift Gas, calculated
Oil, bbl/d	Oil production, measured with well test
Water, bbl/d	Water production, measured with well test
GOR, scf/bbl	Gas Oil Ratio (GOR), engineer calculation based on previous oil and gas well tests before a storage event
Native Gas- GOR Calc, mscf/d	Minimum of Reservoir Gas or Native Gas Production using GOR, calculated
Storage Gas Injection, mscf/d	Storage Gas Injection, measured with flow meter

Storage Gas Injection Inventory, mscf	Storage Gas Injection Inventory, cumulative amount of storage gas injection minus storage gas production, calculated
Storage Gas Production, mscfd	Storage Gas Production, difference between Reservoir Gas and Calculated Native Gas Production, calculated

Column	1	2	3	4	5	6	7	8	9	10
Calculation or measurement	Well Test	Flow Meter	1-2	Well Test	Well Test	Engineer Analysis	MIN (3,4*6/1000)	Flow Meter	8-10 + 9_PreviousRow	IF(9>0, 3-7,0)
Day	Wellhead Gas Produced, mscf/d	Gas Lift Gas, mscf/d	Reservoir Gas, mscf/d	Oil, bbl/d	Water, bbl/d	GOR, scf/bbl	Native Gas-GOR Calc, mscf/d	Storage Gas Injection, mscf/d	Storage Gas Injection Inventory, mscf	Storage Gas Production, mscfd
-90	626	500	126	63	103	2,005	126	0	0	0
-60	625	500	125	62	101	2,032	125	0	0	0
-30	624	500	124	60	99	2,053	124	0	0	0
1	623	500	123	59	96	2,081	123	0	0	0
2	0	0	0	0	0	2,050	0	2000	2000	0
3	850	500	350	45	80	2,050	92	0	1743	257
4	741	500	241	50	86	2,050	102	0	1604	139
5	713	500	213	52	88	2,050	107	0	1498	106
6	685	500	185	54	91	2,050	111	0	1424	73
7	675	500	175	55	92	2,050	113	0	1362	62
8	665	500	165	56	93	2,050	115	0	1313	50
9	661	500	161	57	93	2,050	116	0	1267	45
10	657	500	157	57	94	2,050	117	0	1227	40
11	653	500	153	57	94	2,050	117	0	1192	35
12	649	500	149	58	95	2,050	118	0	1161	31
13	647	500	147	58	95	2,050	118	0	1133	28
14	645	500	145	58	95	2,050	119	0	1106	26
15	643	500	143	58	95	2,050	119	0	1082	24
16	641	500	141	58	95	2,050	119	0	1060	22
17	640	500	140	58	95	2,050	119	0	1038	21
18	639	500	139	58	94	2,050	119	0	1018	20
19	639	500	139	58	94	2,050	119	0	998	20
20	638	500	138	58	94	2,050	119	0	980	19
21	637	500	137	58	93	2,050	119	0	962	18
22	636	500	136	58	93	2,050	119	0	945	17
23	635	500	135	58	93	2,050	119	0	930	16
24	634	500	134	58	92	2,050	119	0	915	15

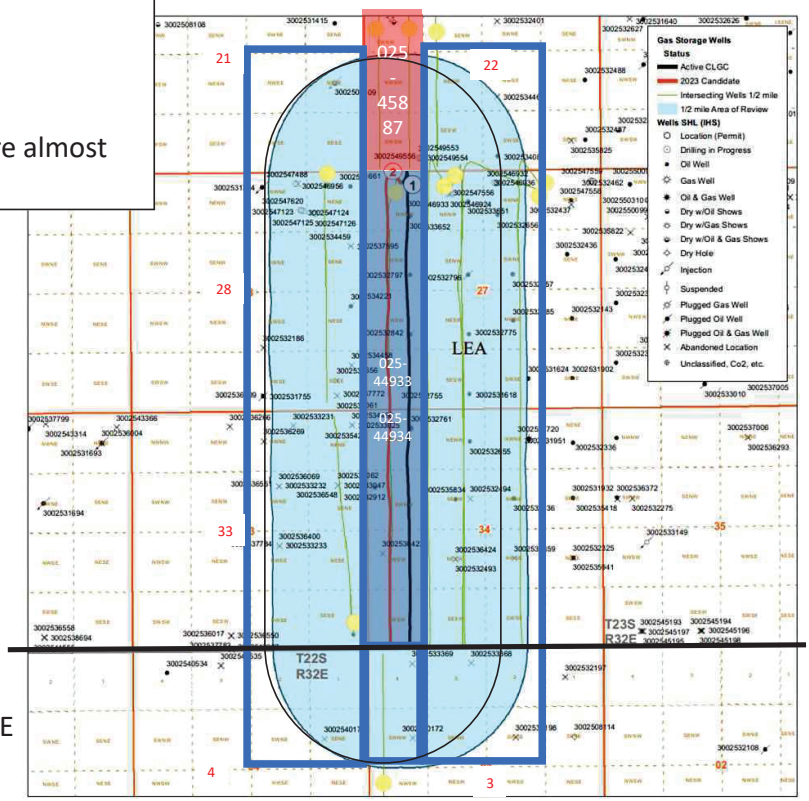
Notice


Avogato
2 Mile AOR
Surface Ownership
LEA
T22S
R33E
T22S
R32E
T23S
R33E
T23S
R32E
Gas Storage Wells
Status
Active CLGC
2023 Candidate
Intersecting Wells 2 mile
2 mile Area of Review
Wells SHL
Location (Permit)
Drilling in Progress
Oil Well
Gas Well
Oil & Gas Well
Dry w/Oil Shows
Dry w/Gas Shows
Dry w/Oil & Gas Shows
Dry Hole
Injection
Suspended
Plugged Gas Well
Plugged Oil Well
Plugged Oil & Gas Well
Abandoned Location
Unclassified, Co2, etc.
Surface Management Agency
Surface
Federal
Private
State


Taco Cat
2 Mile AOR
Surface Ownership
T22S R33E
T22S R32E
T23S R32E
T23S R31E
LEA
Gas Storage Wells
Status
Active CLGC
2023 Candidate
Intersecting Wells 2 miles
2 mile Area of Review
Wells SHL (IHS)
Location (Permit)
Drilling in Progress
Oil Well
Gas Well
Oil & Gas Well
Dry w/Oil Shows
Dry w/Gas Shows
Dry w/Oil & Gas Shows
Dry Hole
Injection
Suspended
Plugged Gas Well
Plugged Oil Well
Plugged Oil & Gas Well
Abandoned Location
Unclassified, Co2, etc.
Surface Management Agency
Surface
Federal
Private
State

Taco Cat Area
Bone Spring HSU Map
2/13/23

- Old and New AOR are almost identical.



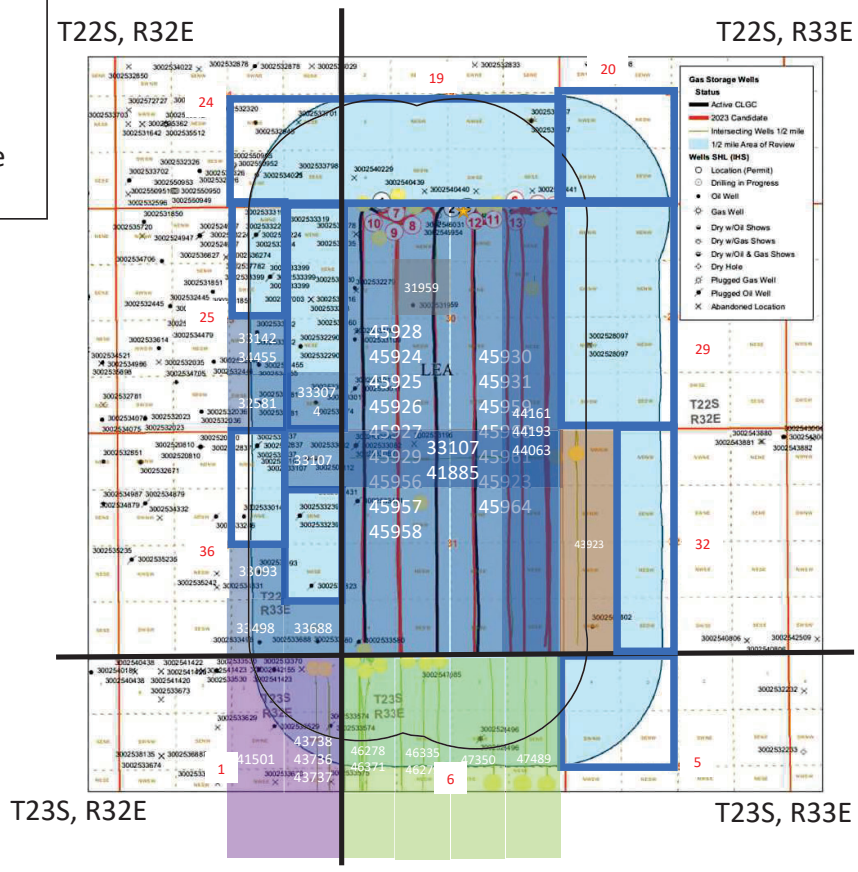
T22S, R32E

T23S, R32E

Key
- Marathon
- Oxy
- Determined Lessee or Unleased MIO
- SHL
- Well Trajectory
- ½ mile AOR outline, 2021
- ½ mile AOR outline, 2023

Avogato Area
Bone Spring HSU Map
2/13/23

- AOR is expanded to the east by ¼ mile.



Red Tank Notice List 2023

Party	Address
Agencies and Surface Owners	
Bureau of Land Mangment	301 Dinosaur Trail Santa Fe, NM 87508
State Land Office	P.O. Box 1148 Santa Fe, NM 87504
Offset Operators	
Marathon Oil Permian LLC	5555 San Felipe St. Houston ,TX 77056
Cimarex Energy Company of Colorado	600 N. Marienfield St., Suite 600 Midland, TX 79701-4405
MATADOR PRODUCTION COMPANY	One Lincoln Centre 5400 LBJ Freeway, Ste 1500 Dallas, TX 75240
EOG Resources Inc.	P.O. Box 840321 Dallas, TX 75284
WAGNER OIL CO.	500 Commerce St, Ste 600 Forth Worth, TX 76102
Other Affected Persons and Parties	
2019 PERMIAN BASIN JV	P O BOX 10 FOLSOM, LA 70437
A.J. Losee	Box 1720 Artesia, NM 88211
ACCELERATE RESOURCES OPERATING LLC	7950 LEGACY DRIVE SUITE 500 PLANO, TX 75024
Advance Energy Partners Hat Mesa LLC	11490 Westheimer Rd, Ste 950 Houston, TX 77077-6841
Anne Ransome-Losee	3505 Calle Cuervo #218 Albuquerque, NM 87048
Arthur Dow	324 Yucca Dr. NW Albuquerque, NM 87105
Black Mountain Operating LLC	500 Main St, Ste 1200 Fort Worth, TX 76102-3926
Bradley S. Bates	2400 N. Pecos St. Midland, TX 79705
Buckeye Energy Inc.	P.O. Box 3788 Midland, TX 79702-3788
Bullhead Energy LLC	P.O. BOX 3445 Midland, TX 79702-3445
Burlington Resources Oil & Gas Co LP	P.O. Box 51810 Midland, TX 79710-1810
C. W. Trainer	P.O. Box 3788 Midland, TX 79702-3788

CAL MON OIL COMPANY	200 N LORAINE ST STE 1404 MIDLAND, TX 79701
CAMPECHE PETRO LP	500 COMMERCE ST STE 600 FORT WORTH, TX 76102
CARDINAL PLASTICS INC	PO BOX 935 ODESSA, TX 79760-0935
Carmine Scarcelli	2111 Wellington Ct. Midland, TX 79705
Carrie A. Haydel	149 14th St. New Orleans, LA 70124
Chevron USA Inc.	1400 Smith St. Houston, TX 77002
CONRAD E COFFIELD	500 RODEO ROAD #202 SANTA FE, NM 87505
Devon Energy Production Company LP	333 W. Sheridan Ave Oklahoma City, OK 73102-5010
Diance C. Prince	816 Connectcut Ave NW Washington, DC 20006
Elizabeth Losee	328 Sierra Pl. Albuquerque, NM 87108
Frederick Prince IV	816 Connectcut Ave NW Washington, DC 20006
Highpoint Operating Corp.	216 16th St., Ste 1100 Denver, CO 80202-5115
Jesus Salazar Family LP	2400 Rose NW Albuquerque, NM 87104
John Blackburn	P.O. Box 340535 Austin, TX 78734
JUDITH K MARTIN	#25 LAKES DRIVE MIDLAND, TX 79705
KASTMAN OIL COMPANY	P O BOX 5930 LUBBOCK, TX 79408-5930
Kent H. Berger	203 W. Wall St. #612 Midland, TX 79701
Lewis O. Campell	8111 Lamp Post Cir SE Albuquerque, NM 87123
Losee Investments	P.O. Box 1720 Artesia, NM 88211
Lynn S. Charulk	2401 Stutz Pl. Midland, TX 79705
Mackenroth Interests LLC	3601 N. I-40 Service Rd. West Martairie, LA 70002
MCM Permian LLC	P.O. Box 1540 Midland, TX 79702-1540
Mcnic O&G Properties	1360 Post Oak Blvd Houston, TX 77056

MRC Permian Co.	5400 LBJ Fwy, Ste 1500 Dallas, TX 75240-1017
PBEX Resources	223 W. Wall St., Ste 900 Midland, TX 79701-4567
Penwell Energy Inc.	600 N. Marienfield St., Suite 1100 Midland, TX 79701
Pioneer Exploration Ltd.	15603 Kuyhendahal #219 Houston, TX 77090-3655
PXP Producing LLC	717 Texas St, Ste #2100 Houston, TX 77002-2753
Robert M. Dow Revocable Trust	5136 Lomas De Artisto Rd NW Albuquerque, NM 87105
SDS PROPERTIES INC	P O BOX 246 ROSWELL, NM 88202-0010
Sealy Hutchings Cavin Inc.	504 N Wyoming Ave Roswell, NM 88201-2169
SILVERSTONE RESOURCES INC	106 ROW THREE LAFAYETTE, LA 70508
South Highway 14 Bus Co	324 Yucca Dr. NW Albuquerque, NM 87105
Southwest Royalties Inc	6 Desta Dr., Ste 3700 Midland, TX 79705-5516
Strata Production Co	P.O Box 1030 Roswell, NM 88292-1030
The Gray Exploration Co	3601 N. I-40 Service Rd. West Martairie, LA 70002
The Ninety-Six Corp	550 W. Texas #1225 Midland, TX 79701
TOCOR INVESTMENTS INC	P O BOX 293 MIDLAND, TX 79702
Trainer Partners LTD	P.O. Box 3788 Midland, TX 79702-3788
Warwick-Artemis LLC	6608 N. Western Ave Oklahoma City, OK 73116-7326
XTO Energy Inc.	22777 Springwoods Village Pkwy Spring, TX 77389-1425
XTO HOLDINGS LLC	PO BOX 840780 DALLAS, TX 75284-0780

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. B
Submitted by: OXY USA INC.
Hearing Date: April 06, 2023
Case No. 23427

Exhibit A

Order Numbers:	R-22101 and R-22102
Operator:	Oxy USA, Inc. (16696)

Project Pools

Pool Name:	Pool Code:
RED TANK; BONE SPRING, EAST	51687

Project Area (NMPM)

UL or Q/Q:	S-T-R:
W/2 of W/2	27-22S-32E
W/2 of W/2	34-22S-32E
All	30-22S-33E
All	31-22S-33E

CLGC Wells

Well API:	Well Name:	UL or Q/Q:	S-T-R:	Pool:
30-025-44933	TACO CAT 27 34 FEDERAL COM #011H	W/2 of W/2	27-22S-32E	RED TANK; BONE SPRING, EAST
		W/2 of W/2	34-22S-32E	
30-025-44934	TACO CAT 27 34 FEDERAL COM #021H	W/2 of W/2	27-22S-32E	RED TANK; BONE SPRING, EAST
		W/2 of W/2	34-22S-32E	
30-025-45956	AVOGATO 30 31 STATE COM #011H	W/2	30-22S-33E	RED TANK; BONE SPRING, EAST
		W/2	31-22S-33E	
30-025-45958	AVOGATO 30 31 STATE COM #013H	W/2	30-22S-33E	RED TANK; BONE SPRING, EAST
		W/2	31-22S-33E	
30-025-45959	AVOGATO 30 31 STATE COM #014H	E/2	30-22S-33E	RED TANK; BONE SPRING, EAST
		E/2	31-22S-33E	
30-025-44161	RED TANK 30 31 STATE COM #024Y	E/2	30-22S-33E	RED TANK; BONE SPRING, EAST
		E/2	31-22S-33E	
30-025-44193	RED TANK 30 31 STATE COM #014H	E/2	30-22S-33E	RED TANK; BONE SPRING, EAST
		E/2	31-22S-33E	
30-025-45923	AVOGATO 30 31 STATE COM #004H	E/2	30-22S-33E	RED TANK; BONE SPRING, EAST
		E/2	31-22S-33E	
30-025-45924	AVOGATO 30 31 STATE COM #021H	W/2	30-22S-33E	RED TANK; BONE SPRING, EAST
		W/2	31-22S-33E	
30-025-45925	AVOGATO 30 31 STATE COM #022H	W/2	30-22S-33E	RED TANK; BONE SPRING, EAST
		W/2	31-22S-33E	
30-025-45926	AVOGATO 30 31 STATE COM #023H	W/2	30-22S-33E	RED TANK; BONE SPRING, EAST
		W/2	31-22S-33E	
30-025-45957	AVOGATO 30 31 STATE COM #012H	W/2	30-22S-33E	RED TANK; BONE SPRING, EAST
		W/2	31-22S-33E	
30-025-45960	AVOGATO 30 31 STATE COM #024H	E/2	30-22S-33E	RED TANK; BONE SPRING, EAST
		E/2	31-22S-33E	
30-025-45961	AVOGATO 30 31 STATE COM #025H	E/2	30-22S-33E	RED TANK; BONE SPRING, EAST
		E/2	31-22S-33E	
30-025-45964	AVOGATO 30 31 STATE COM #074H	E/2	30-22S-33E	RED TANK; BONE SPRING, EAST
		E/2	31-22S-33E	

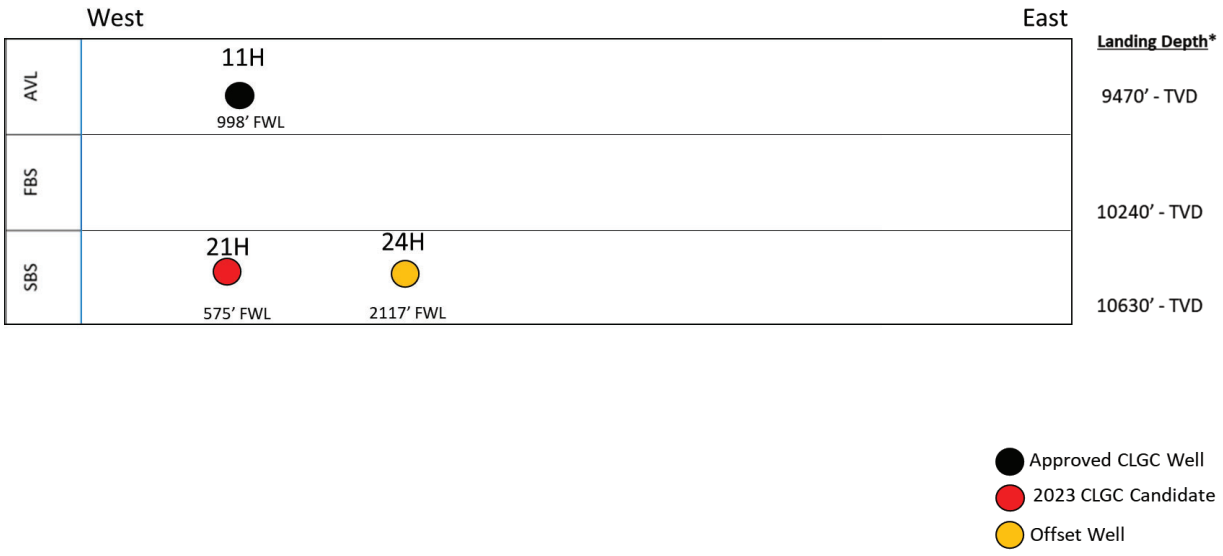
Exhibit B

Order Numbers: R-22101 and R-22102
Operator: Oxy USA, Inc. (16696)

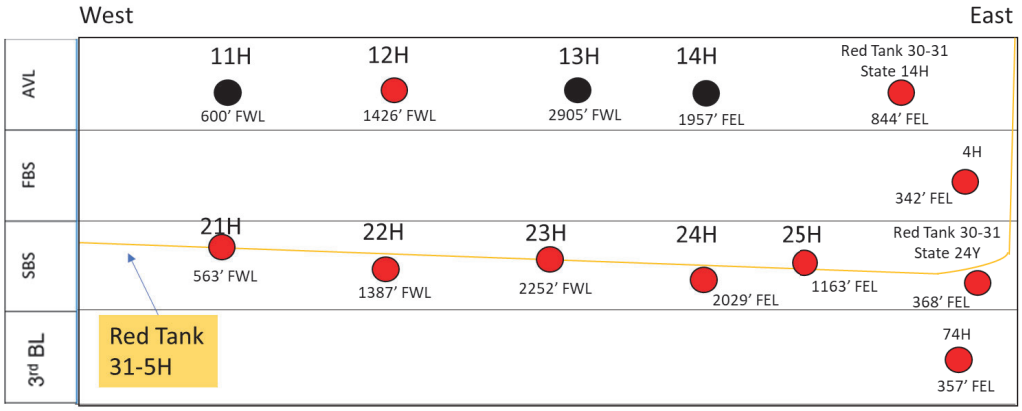
CLGC Wells and Offset Wells

Well API:	Well Name:	Upper Confining Layer:	Offset Well API:	Offset well Name:
30-025-44933	TACO CAT 27 34 FEDERAL COM #011H	Bone Spring limestone above Avalon Sand	NA	NA
30-025-44934	TACO CAT 27 34 FEDERAL COM #021H	Second Bone Spring Limestone above Second Bone Spring	30-025-44934	TACO CAT 27 34 FEDERAL COM #021H
30-025-45956	AVOGATO 30 31 STATE COM #011H	Bone Spring limestone above Avalon Sand	30-025-45957	AVOGATO 30 31 STATE COM #012H
30-025-45958	AVOGATO 30 31 STATE COM #013H	Bone Spring limestone above Avalon Sand	30-025-45957	AVOGATO 30 31 STATE COM #012H
			30-025-44193	RED TANK 30 31 STATE COM #014H
30-025-45959	AVOGATO 30 31 STATE COM #014H	Bone Spring limestone above Avalon Sand	30-025-45958	AVOGATO 30 31 STATE COM #013H
			30-025-44193	RED TANK 30 31 STATE COM #014H
30-025-44161	RED TANK 30 31 STATE COM #024Y	Second Bone Spring limestone above Second Bone Spring Sand	30-025-41885	RED TANK 31 STATE #005H
			30-025-45961	AVOGATO 30 31 STATE COM #025H
30-025-44193	RED TANK 30 31 STATE COM #014H	Bone Spring limestone above Avalon Sand	30-025-45959	AVOGATO 30 31 STATE COM #014H
30-025-45923	AVOGATO 30 31 STATE COM #004H	First Bone Spring limestone above First Bone Spring Sand	NA	NA
30-025-45924	AVOGATO 30 31 STATE COM #021H	Second Bone Spring limestone above Second Bone Spring Sand	30-025-41885	RED TANK 31 STATE #005H
			30-025-45925	AVOGATO 30 31 STATE COM #022H
30-025-45925	AVOGATO 30 31 STATE COM #022H	Second Bone Spring limestone above Second Bone Spring Sand	30-025-41885	RED TANK 31 STATE #005H
			30-025-45924	AVOGATO 30 31 STATE COM #021H
30-025-45926	AVOGATO 30 31 STATE COM #023H	Second Bone Spring limestone above Second Bone Spring Sand	30-025-41885	RED TANK 31 STATE #005H
			30-025-45925	AVOGATO 30 31 STATE COM #022H
			30-025-45960	AVOGATO 30 31 STATE COM #024H
30-025-45957	AVOGATO 30 31 STATE COM #012H	Bone Spring limestone above Avalon Sand	30-025-45956	AVOGATO 30 31 STATE COM #011H
			30-025-45958	AVOGATO 30 31 STATE COM #013H
30-025-45960	AVOGATO 30 31 STATE COM #024H	Second Bone Spring limestone above Second Bone Spring Sand	30-025-41885	RED TANK 31 STATE #005H
			30-025-45926	AVOGATO 30 31 STATE COM #023H
			30-025-45961	AVOGATO 30 31 STATE COM #025H
30-025-45961	AVOGATO 30 31 STATE COM #025H	Second Bone Spring limestone above Second Bone Spring Sand	30-025-41885	RED TANK 31 STATE #005H
			30-025-45960	AVOGATO 30 31 STATE COM #024H
			30-025-44161	RED TANK 30 31 STATE COM #024Y
30-025-45964	AVOGATO 30 31 STATE COM #074H	Upper Third Bone Spring limestone above Lower Third Bone Spring limestone	NA	NA

Taco Cat: Gunbarrel View



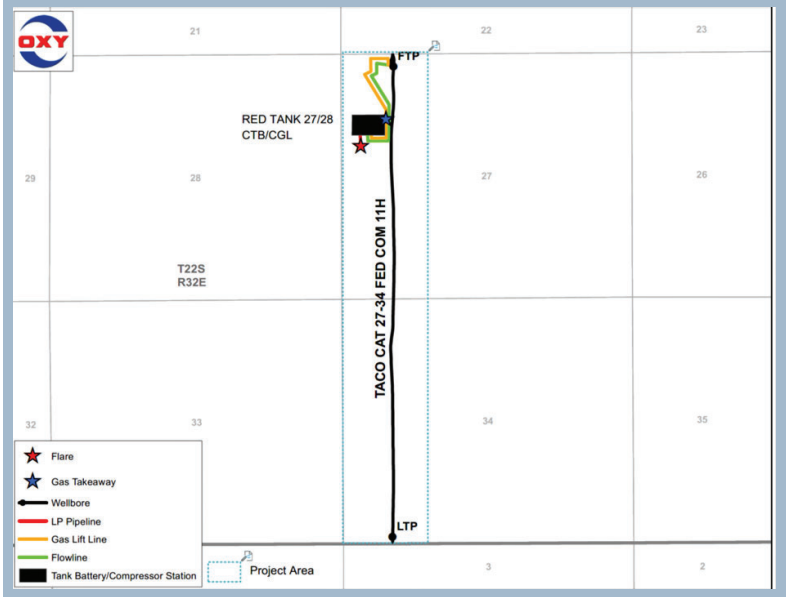
Avogato: Gunbarrel View



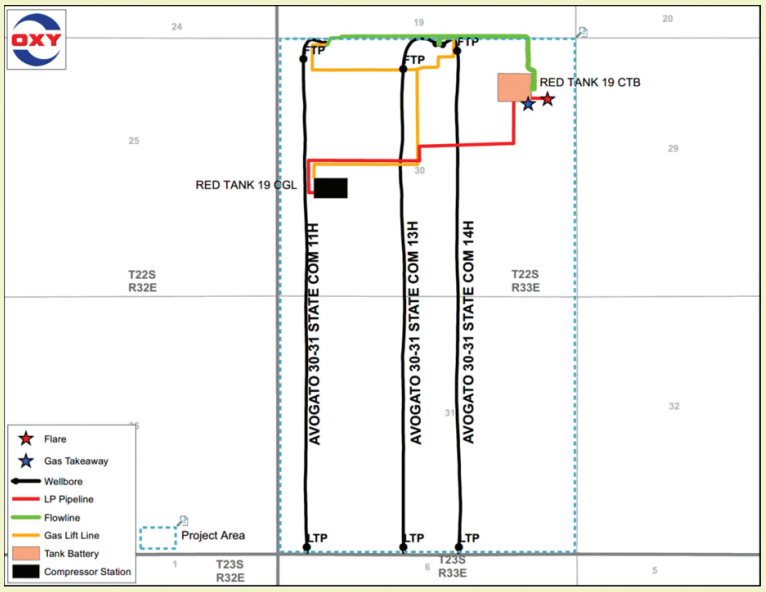
Approved CLGC Well
2023 CLGC Candidate
Offset Well

2021 Previous Facility Maps

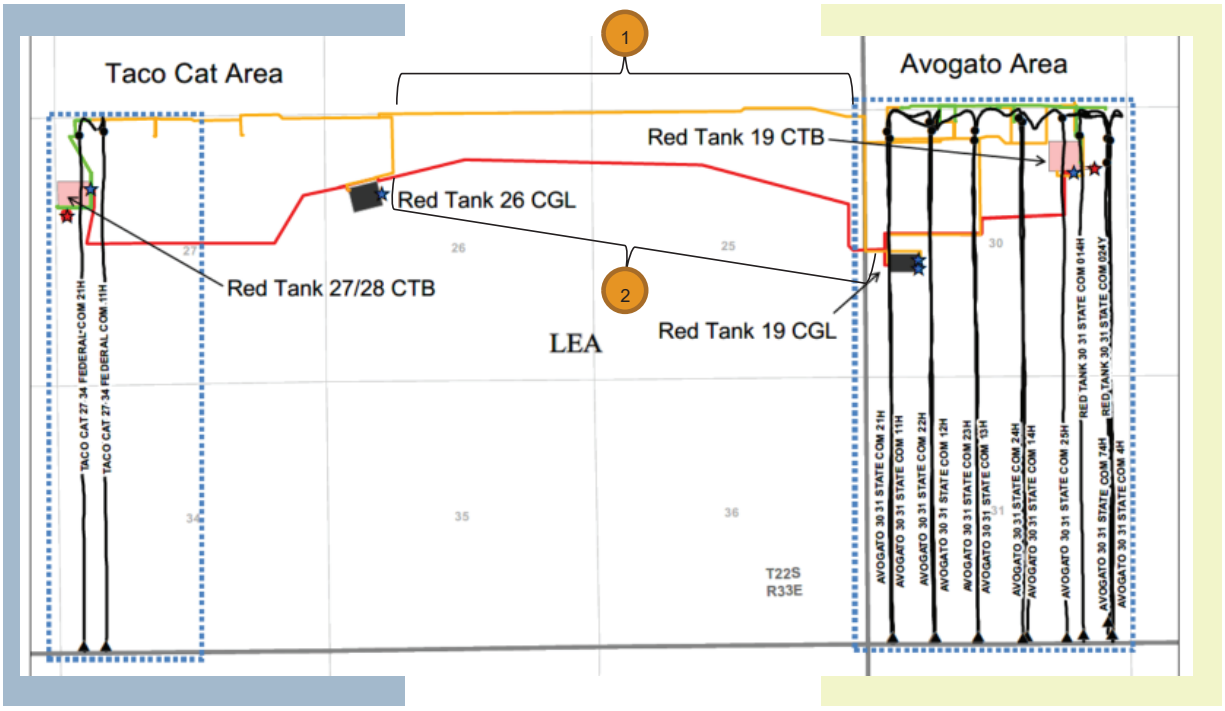
Taco Cat



Avogato



2023 Updated Facility Maps

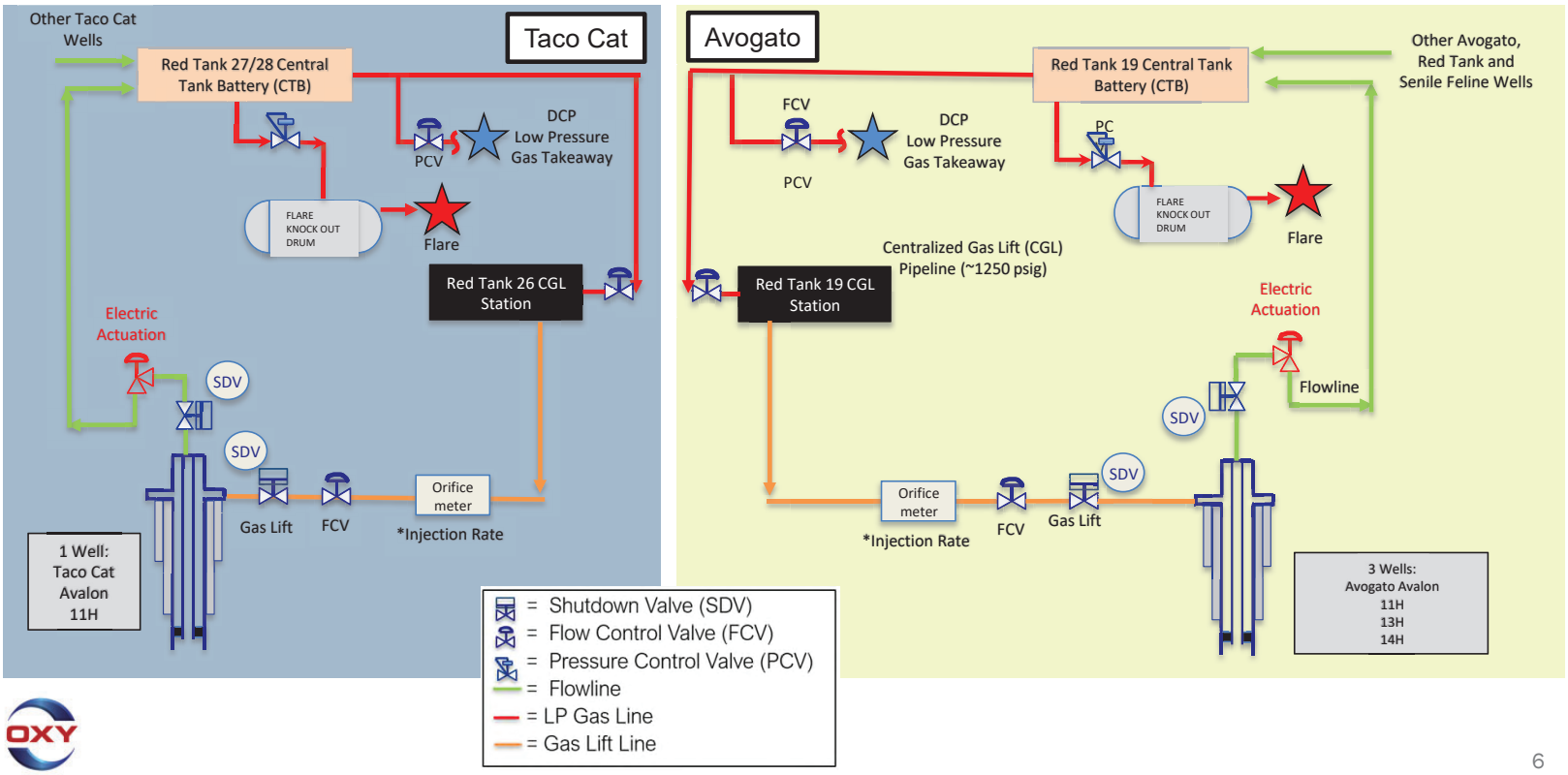


2022 Changes

1. Tied into existing high-pressure line.
2. Installed and tied into low-pressure line.

- Project Area
- Flare
- Gas Takeaway
- Wellbore
- LP Pipeline
- Gas Lift Line
- Flowline
- Tank Battery/Compressor Station

2021 Previous Process Flow Diagram



Side 1

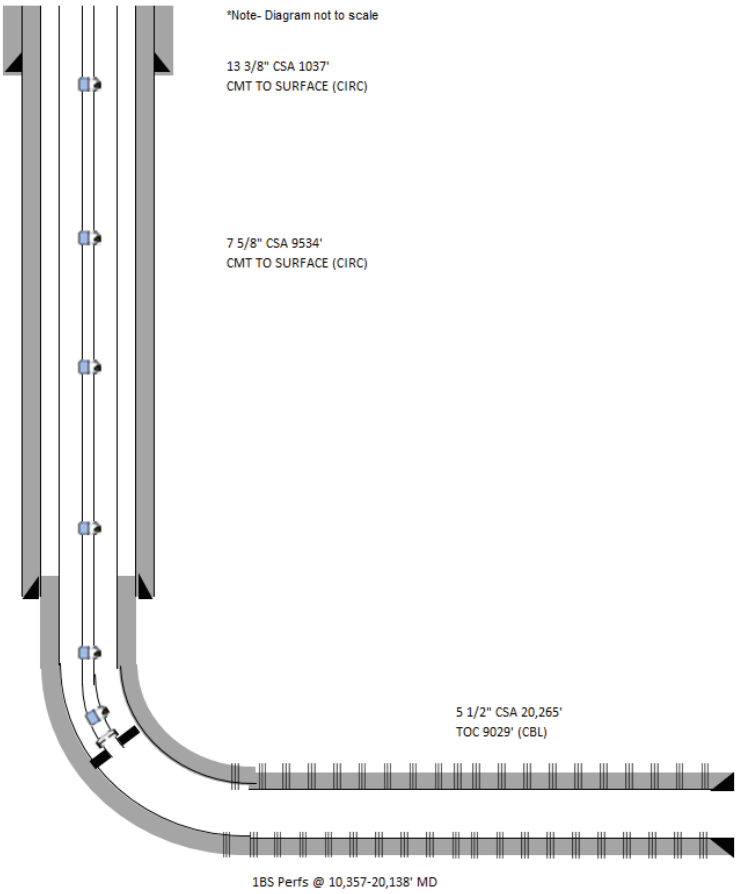
INJECTION WELL DATA SHEET

OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 4H 30-025-45923

WELL LOCATION:	160 FNL 1120 FEL	A	30	22S	33E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 1340 sx. *or* ft³

Top of Cement: SURFACE Method Determined: CIRC

Intermediate Casing

Hole Size: 12.25" Casing Size: 7.625"

Cemented with: 3594 sx. *or* ft³

Top of Cement: SURFACE Method Determined: CIRC

Production Casing

Hole Size: 6.75" Casing Size: 5.5"

Cemented with: 815 sx. *or* ft³

Top of Cement: 9029 FT MD Method Determined: CBL

Total Depth: 20265' MD/10,153' TVD

Injection Interval

10,357' MD/ 10,081' TVD feet to 20,138' MD/10,152' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.375 Lining Material: NONE

Type of Packer: RETRIEVABLE

Packer Setting Depth: 9981' TVD/ 10116' MD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 1ST BONE SPRING

3. Name of Field or Pool (if applicable): RED TANK; BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   UNDERLYING: FIRST BONE SPRING

   OVERLYING: BRUSHY CANYON

Side 1

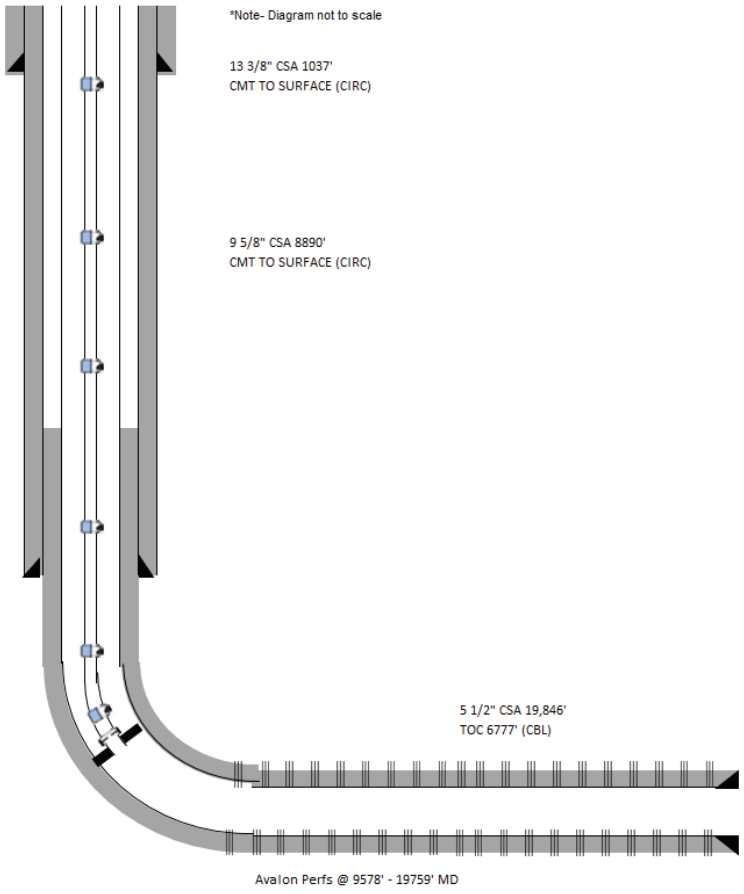
INJECTION WELL DATA SHEET

OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 12H 30-025-45957

WELL LOCATION:	160 FNL 920 FWL	D	30	22S	33E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 1340 sx. *or* ft^3

Top of Cement: SURFACE Method Determined: CIRC

Intermediate Casing

Hole Size: 12.25" Casing Size: 9.625"

Cemented with: 1670 sx. *or* ft^3

Top of Cement: SURFACE Method Determined: CIRC

Production Casing

Hole Size: 8.5" Casing Size: 5.5"

Cemented with: 2130 sx. *or* ft^3

Top of Cement: 6777 FT MD Method Determined: CBL

Total Depth: 19,846' MD/ 9613' TVD

Injection Interval

10,409' MD/ 9594' TVD feet to 20,984' MD/ 9613' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.375 Lining Material: NONE

Type of Packer: RETRIEVABLE

Packer Setting Depth: 8897' TVD/ 8815' MD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: AVALON

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   OVERLYING: BRUSHY CANYON

   UNDERLYING: FIRST BONE SPRING

Side 1

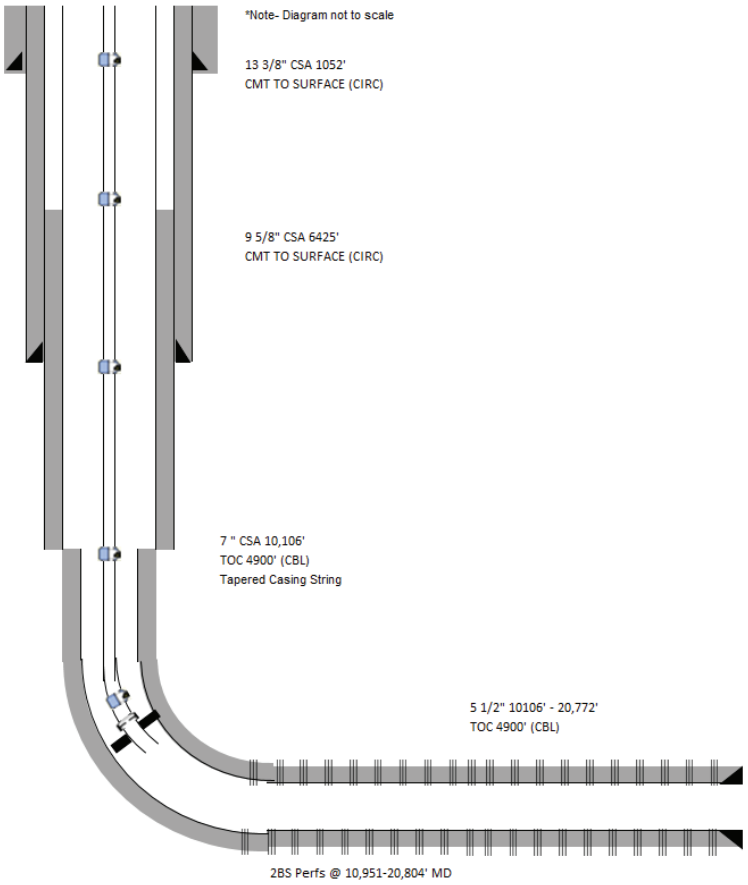
INJECTION WELL DATA SHEET

OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 21H 30-025-45924

WELL LOCATION:	420 FNL 1350 FWL	C	30	22S	33E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 1340 sx. *or* ft³

Top of Cement: SURFACE Method Determined: CIRC

Intermediate Casing

Hole Size: 12.25" Casing Size: 9.625"

Cemented with: 1213 sx. *or* ft³

Top of Cement: SURFACE Method Determined: CIRC

Production Casing

Hole Size: 8.5" Casing Size: 7" X 5.5"

Cemented with: 2569 sx. *or* ft³

Top of Cement: 4900 FT MD Method Determined: CBL

Total Depth: 20,772' MD/ 10,752' TVD

Injection Interval

10,951' MD/ 10,632' TVD feet to 20,804' MD/ 10,754' TVD(PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 3.5 Lining Material: NONE

Type of Packer: RETRIEVABLE

Packer Setting Depth: 10309' TVD/ 10428' MD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   OVERLYING: FIRST BONE SPRING

   UNDERLYING: HARKEY

Side 1

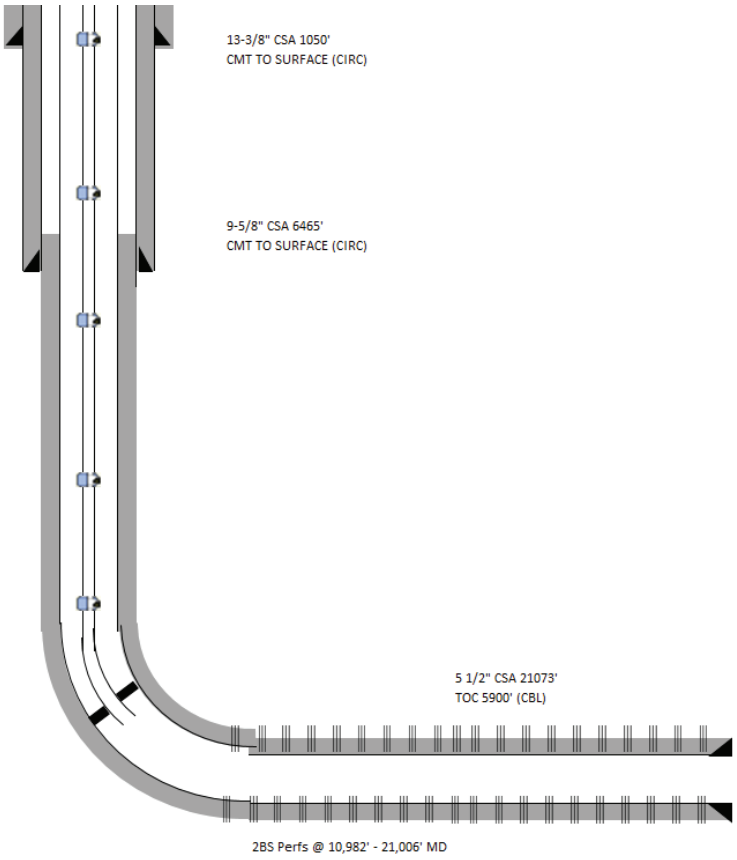
INJECTION WELL DATA SHEET

OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 22H 30-025-45925

WELL LOCATION:	420 FNL 1385 FWL	C	30	22S	33E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 1340 sx. *or* _____ ft³

Top of Cement: SURFACE Method Determined: CIRC

Intermediate Casing

Hole Size: 12.25" Casing Size: 9.625"

Cemented with: 1207 sx. *or* _____ ft³

Top of Cement: SURFACE Method Determined: CIRC

Production Casing

Hole Size: 8.5" Casing Size: 5.5"

Cemented with: 2892 sx. *or* _____ ft³

Top of Cement: 5900' Method Determined: CBL

Total Depth: 21073' MD/ 10,890' TVD

Injection Interval

10,982' MD/ 10,781' TVD feet to 21,006' MD/ 10,890' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.375 Lining Material: NONE

Type of Packer: RETRIEVABLE

Packer Setting Depth: 10272' TVD / 10241' MD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? _____
   HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____
   NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____
   OVERLYING: FIRST BONE SPRING

   UNDERLYING: HARKEY

Side 1

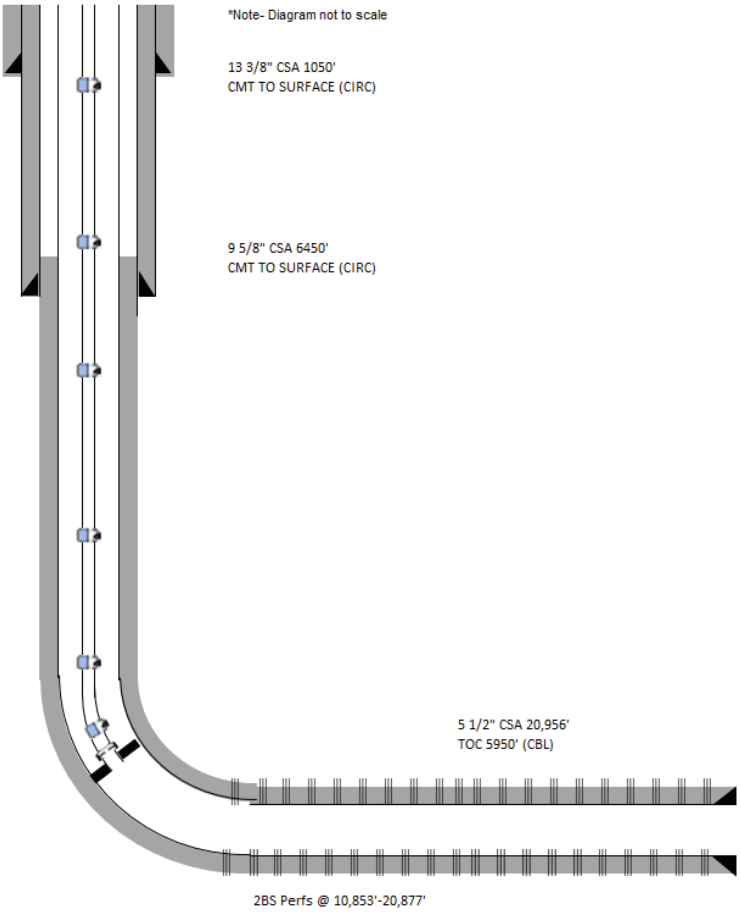
INJECTION WELL DATA SHEET

OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 23H 30-025-45926

WELL LOCATION:	420 FNL 1420 FWL	C	30	22S	33E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 1340 sx. *or* _____ ft³

Top of Cement: SURFACE Method Determined: CIRC

Intermediate Casing

Hole Size: 12.25" Casing Size: 9.625"

Cemented with: 1210 sx. *or* _____ ft³

Top of Cement: SURFACE Method Determined: CIRC

Production Casing

Hole Size: 8.5" Casing Size: 5.5"

Cemented with: 2710 sx. *or* _____ ft³

Top of Cement: 5950 FT MD Method Determined: CBL

Total Depth: 20,956' MD/ 10,769' TVD

Injection Interval

10,853' MD/ 10,671' TVD feet to 20,887' MD/ 10,767' TVD(PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.875 Lining Material: NONE

Type of Packer: 2-3/8"x5.5" Packer

Packer Setting Depth: 10,517' MD/ 10,416' TVD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   OVERLYING: FIRST BONE SPRING

   UNDERLYING: HARKEY

Side 1

INJECTION WELL DATA SHEET

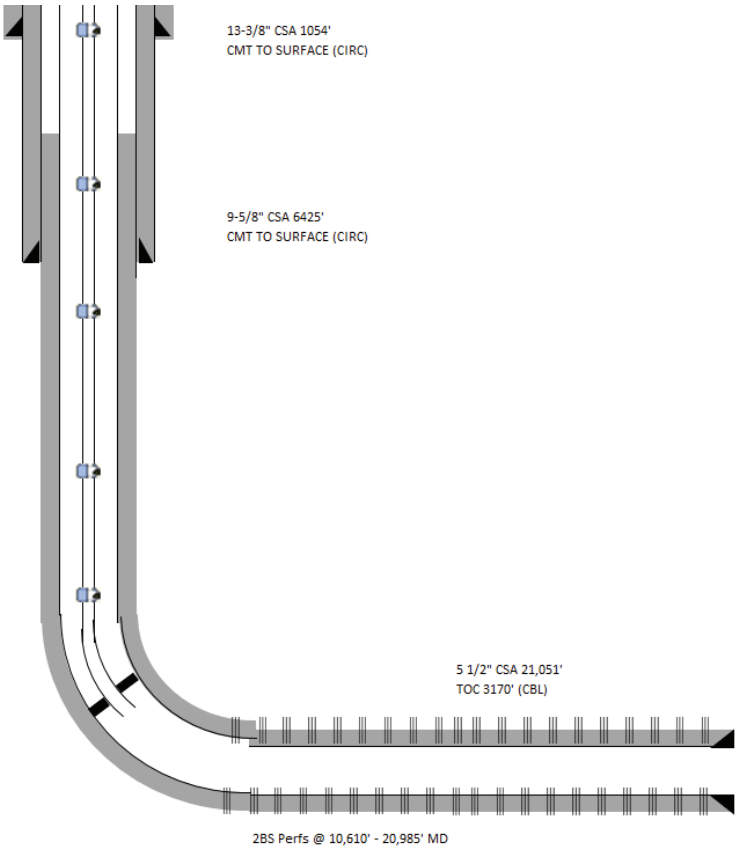
OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 24H 30-025-45960

WELL LOCATION: 420 FNL 1820 FEL | B | 30 | 22S | 33E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 1340 sx. *or* _____ ft³

Top of Cement: SURFACE Method Determined: CIRC

Intermediate Casing

Hole Size: 12.25" Casing Size: 9.625"

Cemented with: 1165 sx. *or* _____ ft³

Top of Cement: SURFACE Method Determined: CIRC

Production Casing

Hole Size: 8.5" Casing Size: 5.5"

Cemented with: 2485 sx. *or* _____ ft³

Top of Cement: 3170' Method Determined: CBL

Total Depth: 21,051' MD/ 10,960' TVD

Injection Interval

10,609' MD/ 10,545' TVD feet to 20,985' MD/ 10,959' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.875 Lining Material: NONE

Type of Packer: retrievable packer

Packer Setting Depth: 10313' TVD / 10345' MD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   OVERLYING: FIRST BONE SPRING

   UNDERLYING: HARKEY

Side 1

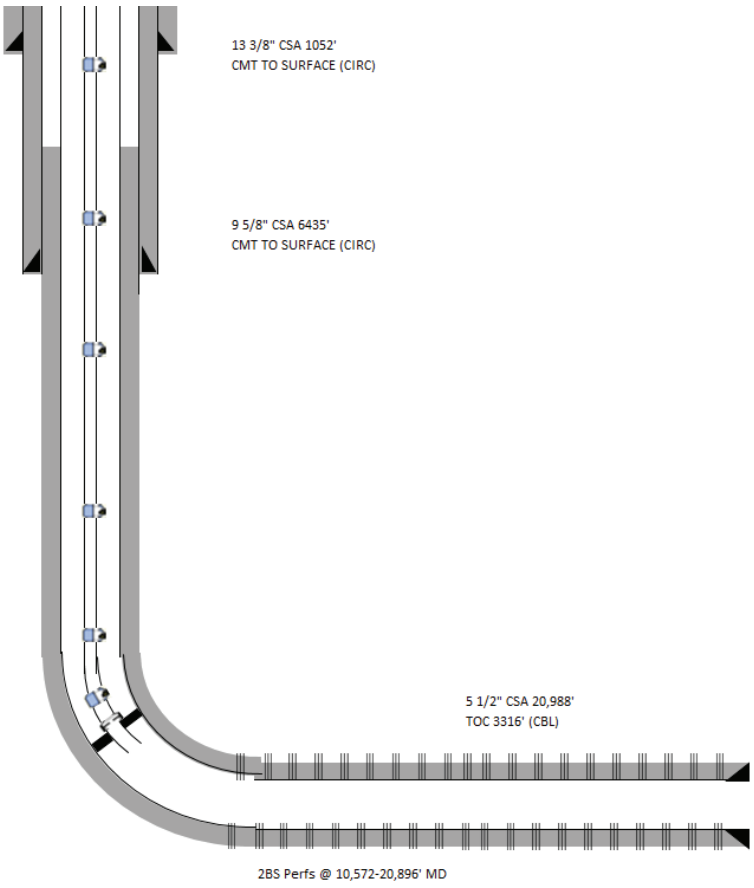
INJECTION WELL DATA SHEET

OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 25H 30-025-45961

WELL LOCATION:	420 FNL 1785 FEL	B	30	22S	33E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 1340 sx. *or* ft³

Top of Cement: SURFACE Method Determined: CIRC

Intermediate Casing

Hole Size: 12.25" Casing Size: 9.625"

Cemented with: 1165 sx. *or* ft³

Top of Cement: SURFACE Method Determined: CIRC

Production Casing

Hole Size: 8.5" Casing Size: 5.5"

Cemented with: 2470 sx. *or* ft³

Top of Cement: 3316 FT MD Method Determined: CBL

Total Depth: 20,988' MD/ 10,785' TVD

Injection Interval

10,10572' MD/ 10,334' TVD feet to 20,896' MD/ 10, 782' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.875 Lining Material: NONE

Type of Packer: RETRIEVABLE

Packer Setting Depth: 10314' TVD/ 10390' MD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   UNDERLYING: THIRD BONE SPRING

   OVERLYING: FIRST BONE SPRING

Side 1

INJECTION WELL DATA SHEET

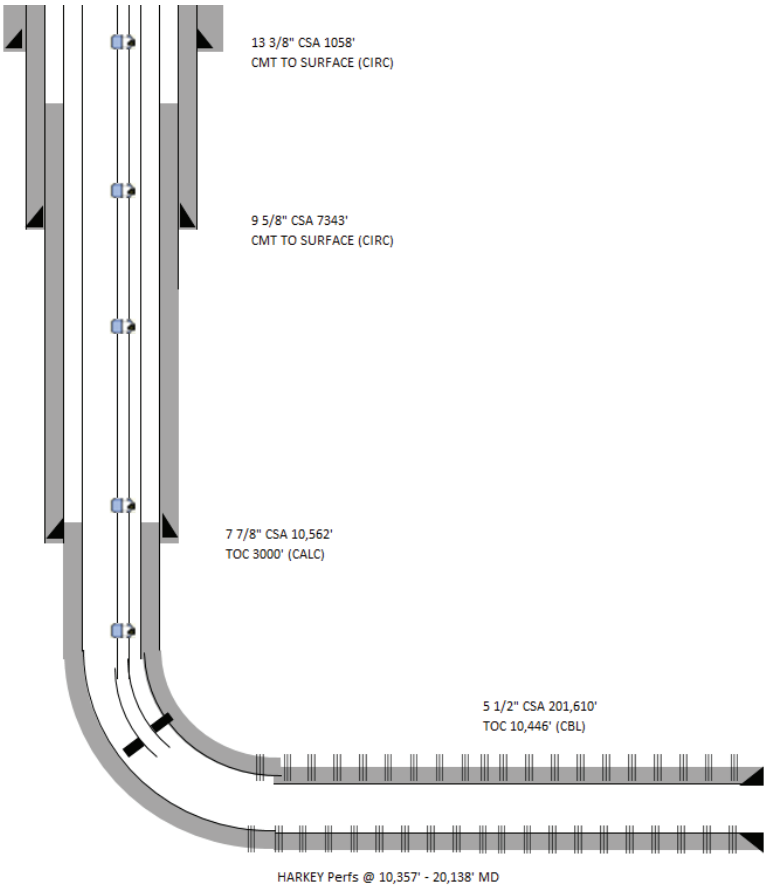
OPERATOR: OXY USA INC

WELL NAME & NUMBER: AVOGATO 30 31 STATE COM 74H

WELL LOCATION: 160 FNL 1155 FEL | A | 30 | 22S | 33E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 1340 sx. *or* _____ ft^3

Top of Cement: SURFACE Method Determined: CIRC

Intermediate Casing

Hole Size: 12.25" / 8.5" Casing Size: 9.625" / 7.625"

Cemented with: 1447 / 472 sx. *or* _____ ft^3

Top of Cement: SURFACE / 3000' Method Determined: CIRC / CALC

Production Casing

Hole Size: 6.75" Casing Size: 5.5"

Cemented with: 858 sx. *or* _____ ft^3

Top of Cement: 10446 FT MD Method Determined: CBL

Total Depth: 20,610' MD/ 11, 405' TVD

Injection Interval

10,357' MD/ 10,265' TVD feet to 20,138' MD/ 11,403' TVD(PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.375" Lining Material: NONE

Type of Packer: RETRIEVABLE

Packer Setting Depth: 11146' TVD / 11247' MD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: HARKEY

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   UNDERLYING: THIRD BONE SPRING

   OVERLYING: SECOND BONE SPRING

Side 1

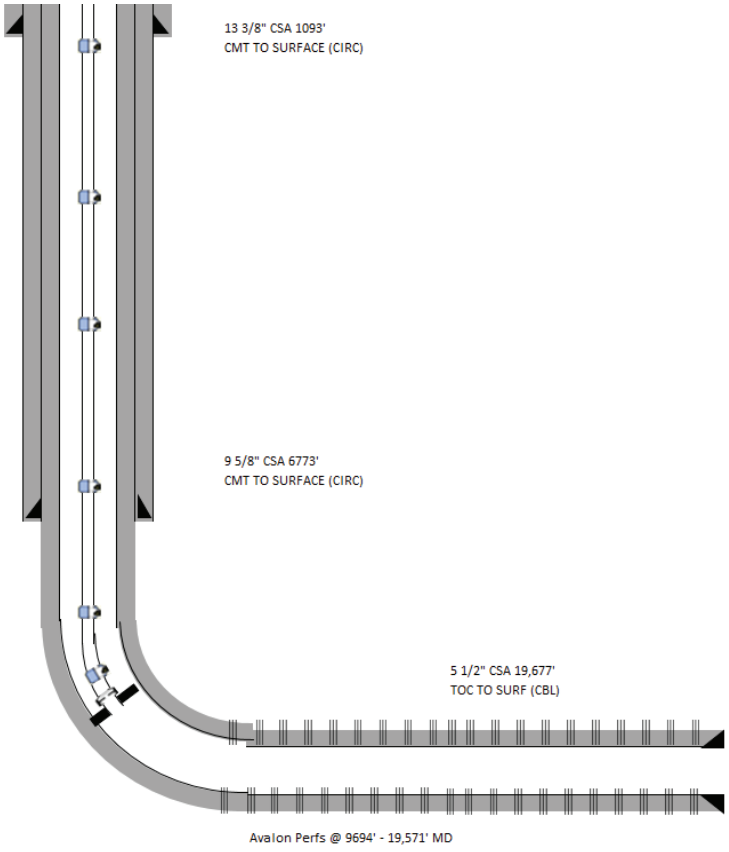
INJECTION WELL DATA SHEET

OPERATOR: OXY USA INC

WELL NAME & NUMBER: RED TANK 30 31 STATE COM 14H 30-025-44193

WELL LOCATION:	200 FNL 710 FEL	A	30	22S	33E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 1450 sx. *or* _____ ft^3

Top of Cement: SURFACE Method Determined: CIRC

Intermediate Casing

Hole Size: 12.25" Casing Size: 9.625"

Cemented with: 3125 sx. *or* _____ ft^3

Top of Cement: SURFACE Method Determined: CIRC

Production Casing

Hole Size: 8.5" Casing Size: 5.5"

Cemented with: 2012 sx. *or* _____ ft^3

Top of Cement: SURFACE Method Determined: CBL

Total Depth: 19,677' MD/ 9407' TVD

Injection Interval

9694' MD/ 9416' TVD feet to 19,571' MD/ 9407' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.875 Lining Material: NONE

Type of Packer: 7K L80

Packer Setting Depth: 8995' MD/ 9003' TVD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: AVALON

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   UNDERLYING: 1ST BONE SPRING

   OVERLYING: BRUSHY CANYON

Side 1

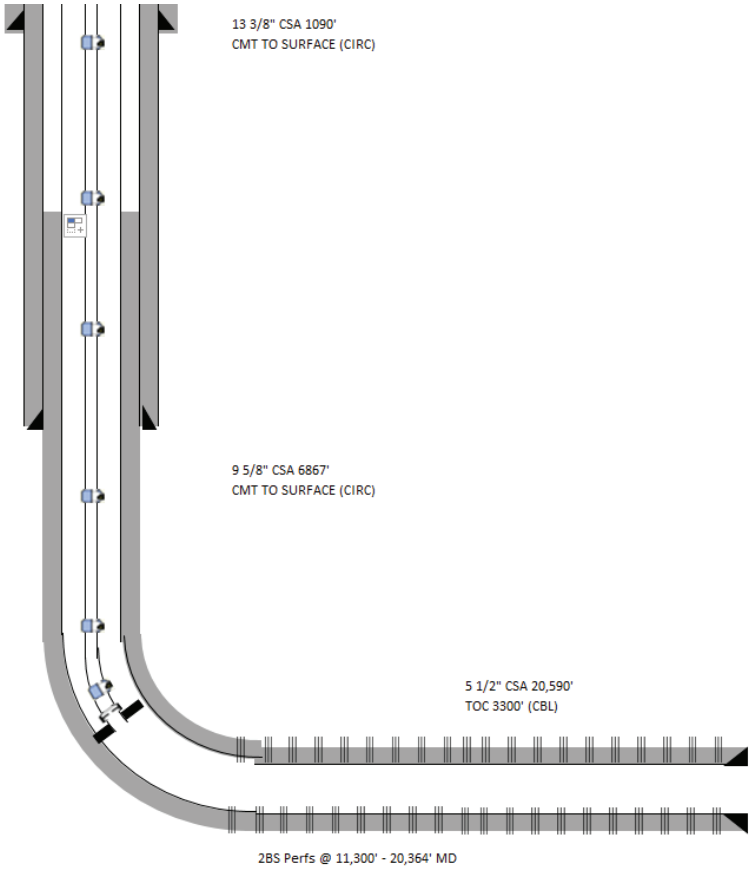
INJECTION WELL DATA SHEET

OPERATOR: OXY USA INC

WELL NAME & NUMBER: RED TANK 30 31 STATE COM 24Y 30-025-44161

WELL LOCATION:	200 FNL 270 FEL	A	30	22S	33E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 1165 sx. *or* _____ ft^3

Top of Cement: SURFACE Method Determined: CIRC

Intermediate Casing

Hole Size: 12.25" Casing Size: 9.625"

Cemented with: 2385 sx. *or* _____ ft^3

Top of Cement: SURFACE Method Determined: CIRC

Production Casing

Hole Size: 8.5" Casing Size: 5.5"

Cemented with: 2260 sx. *or* _____ ft^3

Top of Cement: 3300' Method Determined: CBL

Total Depth: 20,590' MD/ 10,864' TVD

Injection Interval

11,300' MD/ 10,860' TVD feet to 20,341' MD/ 10,887' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.875 Lining Material: NONE

Type of Packer: RETRIEVABLE PACKER

Packer Setting Depth: 10284' TVD / 10335' MD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   UNDERLYING: HARKEY

   OVERLYING: FIRST BONE SPRING

Side 1

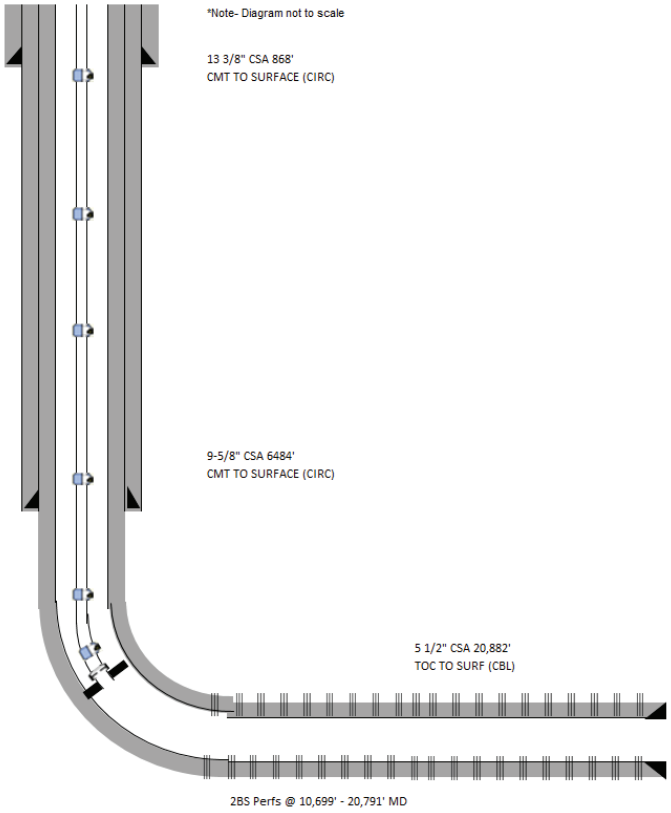
INJECTION WELL DATA SHEET

OPERATOR: OXY USA INC

WELL NAME & NUMBER: TACO CAT 27-34 FEDERAL COM 21H 30-025-44934

WELL LOCATION:	260 FNL 785 FWL	D	27	22S	32E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 1100 sx. *or* _____ ft^3

Top of Cement: SURFACE Method Determined: CIRC

Intermediate Casing

Hole Size: 12.25" Casing Size: 9.625"

Cemented with: 1685 sx. *or* _____ ft^3

Top of Cement: SURFACE Method Determined: CIRC

Production Casing

Hole Size: 8.5" Casing Size: 5.5"

Cemented with: 2335 sx. *or* _____ ft^3

Top of Cement: SURFACE Method Determined: CBL

Total Depth: 20,904' MD/ 10,849' TVD

Injection Interval

10,699' MD/ 10,526' TVD feet to 20,791' MD/ 10,849' TVD (PERFORATED)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2.375 Lining Material: NONE

Type of Packer: RETRIEVABLE

Packer Setting Depth: 10130' TVD / 10161' MD

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____Yes X_____No

   If no, for what purpose was the well originally drilled? HYDROCARBON PRODUCTION

2. Name of the Injection Formation: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [51687] RED TANK;BONE SPRING, EAST

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   OVERLYING: FIRST BONE SPRING

   UNDERLYING: HARKEY

Mechanical Integrity Test (MIT) Summary Table

4/2/2023

API10	Well Name	MIT #1		MIT #2		MIT #3	
		Date	Surface Pressure [psi]	Date	Surface Pressure [psi]	Date	Surface Pressure [psi]
30-025-44933	TACO CAT 27 34 FEDERAL COM #011H	12/29/2018	1000	12/30/2018	9800	4/12/2022	1350
30-025-44934	**TACO CAT 27 34 FEDERAL COM #021H**	1/2/2019	9800				
30-025-45956	AVOGATO 30 31 STATE COM #011H	11/3/2019	9800	12/5/2019	500	4/11/2022	1350
30-025-45958	AVOGATO 30 31 STATE COM #013H	10/24/2019	3000	12/2/2019	1000	4/9/2022	1350
30-025-45959	AVOGATO 30 31 STATE COM #014H	10/6/2019	1000	11/20/2019	1000	4/10/2022	1325
30-025-44161	**RED TANK 30 31 STATE COM #024Y**	12/21/2017	6000				
30-025-44193	**RED TANK 30 31 STATE COM #014H**	12/10/2018	9800				
30-025-45923	**AVOGATO 30 31 STATE COM #004H**	12/5/2019	9800				
30-025-45924	**AVOGATO 30 31 STATE COM #021H**	10/4/2019	9800				
30-025-45925	**AVOGATO 30 31 STATE COM #022H**	10/11/2019	9800				
30-025-45926	**AVOGATO 30 31 STATE COM #023H**	10/12/2019	9800				
30-025-45957	**AVOGATO 30 31 STATE COM #012H**	11/4/2019	didn't record psi				
30-025-45960	**AVOGATO 30 31 STATE COM #024H**	no record					
30-025-45961	**AVOGATO 30 31 STATE COM #025H**	no record					
30-025-45964	**AVOGATO 30 31 STATE COM #074H**	11/30/2019	9800				

Max Allowable Surface Pressure (MASP) Table

3/16/23 Update

API10	Well Name	Proposed Max Allowable Surface Pressure (MASP) (PSI)	Current Average Surface Pressure (PSI)	Max Achievable Surface Pressure, Current Infrastructure (PSI)	Proposed Average Injection Rate (MMSCFPD)	Proposed Max Injection Rate (MMSCFPD)	Burst Calculation Depth (FT TVD)	Brine Pressure Gradient (PSI/FT)	Casing or Liner Burst (PSI)	MASP + Reservoir Brine Hydrostatic as a percentage of Casing or Liner Burst Pressure (%)	Top Perforation Depth (FT TVD)	MASP Gradient (PSI/FT)	Top Perforation Depth (FT TVD)	Gas Pressure Gradient (PSI/FT)	Formation Parting Pressure Gradient (PSI/FT)	MASP + Gas Hydrostatic as a percentage of Formation Parting Pressure (%)
30-025-44933	TACO CAT 27 34 FEDERAL COM #011H	1,300	670	1,300	3	4	9,339	0.468	12,640	45%	9,339	0.139	9,339	0.200	0.650	52%
30-025-44934	TACO CAT 27 34 FEDERAL COM #021H	1,300	1,087	1,300	3	4	10,586	0.468	12,640	49%	10,586	0.123	10,586	0.200	0.650	50%
30-025-45956	AVOGATO 30 31 STATE COM #011H	1,300	780	1,300	3	4	9,322	0.468	12,640	45%	9,322	0.139	9,322	0.200	0.650	52%
30-025-45958	AVOGATO 30 31 STATE COM #013H	1,300	540	1,300	3	4	9,396	0.468	12,640	45%	9,396	0.138	9,396	0.200	0.650	52%
30-025-45959	AVOGATO 30 31 STATE COM #014H	1,300	680	1,300	3	4	9,488	0.468	12,640	45%	9,488	0.137	9,488	0.200	0.650	52%
30-025-44161	RED TANK 30 31 STATE COM #024Y	1,300	891	1,300	3	4	10,860	0.468	12,640	50%	10,860	0.120	10,860	0.200	0.650	49%
30-025-44193	RED TANK 30 31 STATE COM #014H	1,300	681	1,300	3	4	9,417	0.468	12,640	45%	9,417	0.138	9,417	0.200	0.650	52%
30-025-45923	AVOGATO 30 31 STATE COM #004H	1,300	1,012	1,300	3	4	10,082	0.468	12,640	48%	10,082	0.129	10,082	0.200	0.650	51%
30-025-45924	AVOGATO 30 31 STATE COM #021H	1,300	300	1,300	3	4	10,607	0.468	12,640	50%	10,607	0.123	10,607	0.200	0.650	50%
30-025-45925	AVOGATO 30 31 STATE COM #022H	1,300	1,050	1,300	3	4	10,781	0.468	12,640	50%	10,781	0.121	10,781	0.200	0.650	49%
30-025-45926	AVOGATO 30 31 STATE COM #023H	1,300	910	1,300	3	4	10,671	0.468	12,640	50%	10,671	0.122	10,671	0.200	0.650	50%
30-025-45957	AVOGATO 30 31 STATE COM #012H	1,300	921	1,300	3	4	10,455	0.468	12,640	49%	10,455	0.124	10,455	0.200	0.650	50%
30-025-45960	AVOGATO 30 31 STATE COM #024H	1,300	914	1,300	3	4	10,545	0.468	12,640	49%	10,545	0.123	10,545	0.200	0.650	50%
30-025-45961	AVOGATO 30 31 STATE COM #025H	1,300	200	1,300	3	4	10,334	0.468	12,640	49%	10,334	0.126	10,334	0.200	0.650	50%
30-025-45964	AVOGATO 30 31 STATE COM #074H	1,300	1,043	1,300	3	4	10,082	0.468	12,640	48%	10,082	0.129	10,082	0.200	0.650	51%
	Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Calculation									(1+6*7)/8		= 1/10				= (1+12*13) / (12/14)

Red Tank Gas Analysis Summary 2/22/2023

- In 2022, the low-pressure and high-pressure gas systems were combined in Red Tank.
- The primary, third-party gas takeaway is Mark West.
- Central Tank Batteries (CTBs)
    - All producing wells flow to the Red Tank 19 CTB or the Red Tank 27/28 CTB.
    - See Gas Source Well List for list of wells.
    - All low-pressure gas lines are combined downstream of the CTBs.
- Centralized Gas Lift Compressors (CGLs)
    - All low-pressure gas lines connect to the Red Tank 19 CGL Station and Red Tank 26 CGL Station.
    - CGLs increase pressure from ~70 psig to ~1250 psig.
    - All high-pressure gas lines are combined downstream of the CGLs.
- Gas analysis is provided for:
    - Injection gas
    - Avalon production
    - First Bone Spring production
    - Second Bone Spring production
    - Third Bone Lime production

Natural Gas Analysis Report
GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

	Sample Information
Sample Name	RED TANK BOO OUTLET A
WELL NAME/EU#/FMP#	RED TANK BOO OUTLET A/ 16299C
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	12-7-2022
Air temperature	61
Flow Rate (MCF/Day)	35323.47
Heat Tracing	Heated Hose & Gasifier
Type of Sample	spot-cylinder
Sampling Method	fill and empty
Operator	AKM MEASUREMENT
State	New Mexico
Region Name	Permian EOR
API#	NA
Feild	EAST
Sampling point	SAMPLE PROBE
Method Name	C9
Injection Date	2023-01-04 09:32:59
Report Date	2023-01-04 09:37:29
EZReporter Configuration File	6-17-2022 OXY GPA C9+ H2S #2.cfgx
Source Data File	deef27a1-bbbf-4190-9370-bf7235ce6ff4
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	INFICON Fusion Connector

Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	35113.5	1.9809	0.00005642	1.9819	0.0	0.01917	0.219	
Methane	1029730.2	75.2428	0.00007307	75.2804	762.1	0.41698	12.804	
CO2	62268.9	2.9380	0.00004718	2.9395	0.0	0.04467	0.503	
Ethane	253594.1	11.5242	0.00004544	11.5300	204.5	0.11970	3.094	
H2S	0.0	0.0012	0.00000000	0.0012	0.0	0.00001	0.000	
Propane	171344.9	5.5694	0.00003250	5.5722	140.5	0.08484	1.540	
iso-butane	56016.2	0.6200	0.00001107	0.6203	20.2	0.01245	0.204	
n-Butane	131365.6	1.4400	0.00001096	1.4407	47.1	0.02891	0.456	
iso-pentane	24338.2	0.2349	0.00000965	0.2350	9.4	0.00585	0.086	
n-Pentane	24956.6	0.2343	0.00000939	0.2344	9.4	0.00584	0.085	
hexanes	12499.0	0.0933	0.00000747	0.0934	4.5	0.00278	0.039	
heptanes	9067.0	0.0544	0.00000600	0.0544	3.0	0.00188	0.025	
octanes	3214.0	0.0163	0.00000507	0.0163	1.0	0.00064	0.008	
nonanes+	60.0	0.0003	0.00000489	0.0003	0.0	0.00001	0.000	
Total:		99.9500		100.0000	1201.8	0.74374	19.063	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.9500		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	109.0		
Flowing Pressure (psia)	1244.0		
Gross Heating Value (BTU / Ideal cu.ft.)	1201.8	1180.9	
Gross Heating Value (BTU / Real cu.ft.)	1206.0	1185.5	
Relative Density (G), Real	0.7460	0.7442	

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	99.9500	97.0000	103.0000	Pass

Avalon Gas Sample

Natural Gas Analysis Report

GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

	Sample Information
Sample Name	RED TANK 19 CTB TEST 2 - AVOGATO 12H
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	02-01-2023
Meter Number	15602T
Air temperature	28
Flow Rate (MCF/Day)	3866
Heat Tracing	Heated Hose & Gasifier
Sample description/mtr name	RED TANK 19 CTB TEST 2 - AVOGATO 12H
Sampling Method	fill and empty
Operator	AKM MEASUREMENT
State	New Mexico
Region Name	PERMIAN_RESOURCES
Asset	NEW MEXICO
System	EAST
FLOC	OP-L2154-WELLS-WPI-0000003
Sample Sub Type	PRODUCTION
Sample Name Type	WELL
Vendor	AKM MEASUREMENT
Cylinder #	5577
Sampled by	JONATHAN ALDRICH
Sample date	2-17-2023
Analyzed date	2-20-2023
Method Name	C9
Injection Date	2023-02-20 09:05:58
Report Date	2023-02-20 09:10:21
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	08344528-2750-4699-a357-8df8fac3148e
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	INFICON Fusion Connector

Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	48186.5	2.7157	0.00005636	2.7212	0.0	0.02632	0.300	
Methane	999802.4	73.2513	0.00007327	73.3991	743.0	0.40656	12.484	
CO2	147234.2	6.9584	0.00004726	6.9724	0.0	0.10595	1.194	
Ethane	206923.5	9.4164	0.00004551	9.4355	167.4	0.09796	2.532	
H2S	0.0	0.0020	0.00000000	0.0020	0.0	0.00002	0.000	
Propane	142823.5	4.6801	0.00003277	4.6896	118.3	0.07140	1.296	
iso-butane	49569.7	0.5509	0.00001111	0.5520	18.0	0.01108	0.181	
n-Butane	119289.9	1.3103	0.00001098	1.3130	42.9	0.02635	0.415	
iso-pentane	30197.3	0.2933	0.00000971	0.2939	11.8	0.00732	0.108	
n-Pentane	31952.1	0.3025	0.00000947	0.3032	12.2	0.00755	0.110	
hexanes	21519.0	0.1635	0.00000760	0.1638	7.8	0.00487	0.068	
heptanes	15914.0	0.0994	0.00000624	0.0996	5.5	0.00345	0.046	
octanes	7604.0	0.0424	0.00000558	0.0425	2.7	0.00168	0.022	
nonanes+	1967.0	0.0122	0.00000619	0.0122	0.9	0.00054	0.007	
Total:		99.7985		100.0000	1130.4	0.77104	18.763	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.7985		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	48.0		
Flowing Pressure (psig)	112.1		

Result	Dry	Sat.	
Gross Heating Value (BTU / Ideal cu.ft.)	1130.4	1110.7	
Gross Heating Value (BTU / Real cu.ft.)	1134.4	1115.1	
Relative Density (G), Real	0.7734	0.7711	

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status	
Total un-normalized amount	99.7986	97.0000	103.0000	Pass	

First Bone Spring Gas Sample

Natural Gas Analysis Report

GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

	Sample Information
Sample Name	RED TANK 19 CTB TEST 1 - AVOGATO 4H
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	02-01-2023
Meter Number	15602T
Air temperature	28
Flow Rate (MCF/Day)	3765
Heat Tracing	Heated Hose & Gasifier
Sample description/mtr name	RED TANK 19 CTB TEST 1 - AVOGATO 4H
Sampling Method	fill and empty
Operator	AKM MEASUREMENT
State	New Mexico
Region Name	PERMIAN_RESOURCES
Asset	NEW MEXICO
System	EAST
FLOC	OP-L2154-WELLS-WPI-0000001
Sample Sub Type	PRODUCTION
Sample Name Type	WELL
Vendor	AKM MEASUREMENT
Cylinder #	1951
Sampled by	JONATHAN ALDRICH
Sample date	2-17-2023
Analyzed date	2-20-2023
Method Name	C9
Injection Date	2023-02-20 08:35:10
Report Date	2023-02-20 08:39:41
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	10887b57-476b-466c-81b6-c458f1ed6b0e
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	INFICON Fusion Connector

Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	40494.7	2.2822	0.00005636	2.2934	0.0	0.02218	0.253	
Methane	989287.8	72.4809	0.00007327	72.8353	737.3	0.40343	12.391	
CO2	110434.5	5.2192	0.00004726	5.2447	0.0	0.07969	0.898	
Ethane	229423.3	10.4403	0.00004551	10.4914	186.1	0.10892	2.816	
H2S	0.0	0.0030	0.00000000	0.0030	0.0	0.00004	0.000	
Propane	169309.3	5.5480	0.00003277	5.5751	140.6	0.08488	1.541	
iso-butane	60658.0	0.6741	0.00001111	0.6774	22.1	0.01359	0.222	
n-Butane	150224.5	1.6501	0.00001098	1.6582	54.2	0.03328	0.525	
iso-pentane	36481.2	0.3544	0.00000971	0.3561	14.3	0.00887	0.131	
n-Pentane	39885.8	0.3777	0.00000947	0.3795	15.2	0.00945	0.138	
hexanes	30703.0	0.2333	0.00000760	0.2344	11.2	0.00697	0.097	
heptanes	26031.0	0.1626	0.00000624	0.1634	9.0	0.00565	0.076	
octanes	13089.0	0.0730	0.00000558	0.0734	4.6	0.00289	0.038	
nonanes+	2359.0	0.0146	0.00000619	0.0147	1.0	0.00065	0.008	
Total:		99.5135		100.0000	1195.7	0.78052	19.134	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.5135		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	68.0		
Flowing Pressure (psig)	124.0		

Result	Dry	Sat.	
Gross Heating Value (BTU / Ideal cu.ft.)	1195.7	1174.9	
Gross Heating Value (BTU / Real cu.ft.)	1200.2	1179.8	
Relative Density (G), Real	0.7831	0.7807	

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status	
Total un-normalized amount	99.5135	97.0000	103.0000	Pass	

Natural Gas Analysis Report
GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

	Sample Information
Sample Name	RED TANK 19 CTB TEST 7 - AVOGATO 24H
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	02-01-2023
Meter Number	15607T
Air temperature	28
Flow Rate (MCF/Day)	1305.4
Heat Tracing	Heated Hose & Gasifier
Sample description/mtr name	RED TANK 19 CTB TEST 7 -AVOGATO 24H
Sampling Method	fill and empty
Operator	AKM MEASUREMENT
State	New Mexico
Region Name	PERMIAN_RESOURCES
Asset	NEW MEXICO
System	EAST
FLOC	OP-L2154-WELLS-WPI-0000009
Sample Sub Type	PRODUCTION
Sample Name Type	WELL
Vendor	AKM MEASUREMENT
Cylinder #	1246
Sampled by	JONATHAN ALDRICH
Sample date	2-17-2023
Analyzed date	2-20-2023
Method Name	C9
Injection Date	2023-02-20 10:34:34
Report Date	2023-02-20 10:39:51
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	9cc93a6d-5885-419b-95bd-431d20c94d76
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	INFICON Fusion Connector

Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	39084.4	2.2028	0.00005636	2.2084	0.0	0.02136	0.244	
Methane	999831.5	73.2534	0.00007327	73.4426	743.5	0.40680	12.495	
CO2	67106.4	3.1715	0.00004726	3.1797	0.0	0.04832	0.545	
Ethane	254356.0	11.5749	0.00004551	11.6048	205.8	0.12048	3.114	
H2S	0.0	0.0015	0.00000000	0.0015	0.0	0.00002	0.000	
Propane	182914.5	5.9938	0.00003277	6.0093	151.5	0.09149	1.661	
iso-butane	63457.3	0.7053	0.00001111	0.7071	23.0	0.01419	0.232	
n-Butane	157844.7	1.7338	0.00001098	1.7383	56.8	0.03488	0.550	
iso-pentane	37115.4	0.3605	0.00000971	0.3615	14.5	0.00901	0.133	
n-Pentane	40679.8	0.3852	0.00000947	0.3862	15.5	0.00962	0.140	
hexanes	22267.0	0.1692	0.00000760	0.1696	8.1	0.00505	0.070	
heptanes	20244.0	0.1264	0.00000624	0.1267	7.0	0.00438	0.059	
octanes	9627.0	0.0537	0.00000558	0.0538	3.4	0.00212	0.028	
nonanes+	1694.0	0.0105	0.00000619	0.0105	0.7	0.00046	0.006	
Total:		99.7425		100.0000	1230.0	0.76818	19.277	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.7425		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	50.0		
Flowing Pressure (psig)	114.9		

Result	Dry	Sat.	
Gross Heating Value (BTU / Ideal cu.ft.)	1230.0	1208.6	
Gross Heating Value (BTU / Real cu.ft.)	1234.6	1213.6	
Relative Density (G), Real	0.7708	0.7685	

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status	
Total un-normalized amount	99.7425	97.0000	103.0000	Pass	

Third Bone Lime Gas Sample

Natural Gas Analysis Report

GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

	Sample Information
Sample Name	RED TANK 19 CTB TEST 2 - AVOGATO 74H
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	02-01-2023
Meter Number	15602T
Air temperature	28
Flow Rate (MCF/Day)	1994.9
Heat Tracing	Heated Hose & Gasifier
Sample description/mtr name	RED TANK 19 CTB TEST 2 - AVOGATO 74H
Sampling Method	fill and empty
Operator	AKM MEASUREMENT
State	New Mexico
Region Name	PERMIAN_RESOURCES
Asset	NEW MEXICO
System	EAST
FLOC	OP-L2154-WELLS-WPI-0000016
Sample Sub Type	PRODUCTION
Sample Name Type	WELL
Vendor	AKM MEASUREMENT
Cylinder #	2746
Sampled by	JONATHAN ALDRICH
Sample date	2-17-2023
Analyzed date	2-20-2023
Method Name	C9
Injection Date	2023-02-20 08:49:49
Report Date	2023-02-20 08:53:55
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	57710727-215f-4e57-99d7-28688ceac72c
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)
Data Source	INFICON Fusion Connector

Component Results

Component Name	Peak Area	Raw Amount	Response Factor	Norm Mole%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	36071.4	2.0329	0.00005636	2.0410	0.0	0.01974	0.225	
Methane	1002465.2	73.4464	0.00007327	73.7362	746.5	0.40842	12.545	
CO2	63558.5	3.0038	0.00004726	3.0157	0.0	0.04582	0.516	
Ethane	251773.5	11.4574	0.00004551	11.5026	204.0	0.11942	3.087	
H2S	0.0	0.0000	0.00000000	0.0000	0.0	0.00000	0.000	
Propane	182746.3	5.9883	0.00003277	6.0120	151.6	0.09153	1.662	
iso-butane	66571.1	0.7399	0.00001111	0.7428	24.2	0.01491	0.244	
n-Butane	163952.6	1.8009	0.00001098	1.8080	59.1	0.03628	0.572	
iso-pentane	37039.5	0.3598	0.00000971	0.3612	14.5	0.00900	0.133	
n-Pentane	41338.7	0.3914	0.00000947	0.3930	15.8	0.00979	0.143	
hexanes	24852.0	0.1888	0.00000760	0.1896	9.0	0.00564	0.078	
heptanes	20769.0	0.1297	0.00000624	0.1302	7.2	0.00450	0.060	
octanes	9581.0	0.0534	0.00000558	0.0536	3.4	0.00211	0.028	
nonanes+	2267.0	0.0140	0.00000619	0.0141	1.0	0.00062	0.008	
Total:		99.6069		100.0000	1236.3	0.76780	19.301	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.6069		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	60.0		
Flowing Pressure (psig)	115.7		

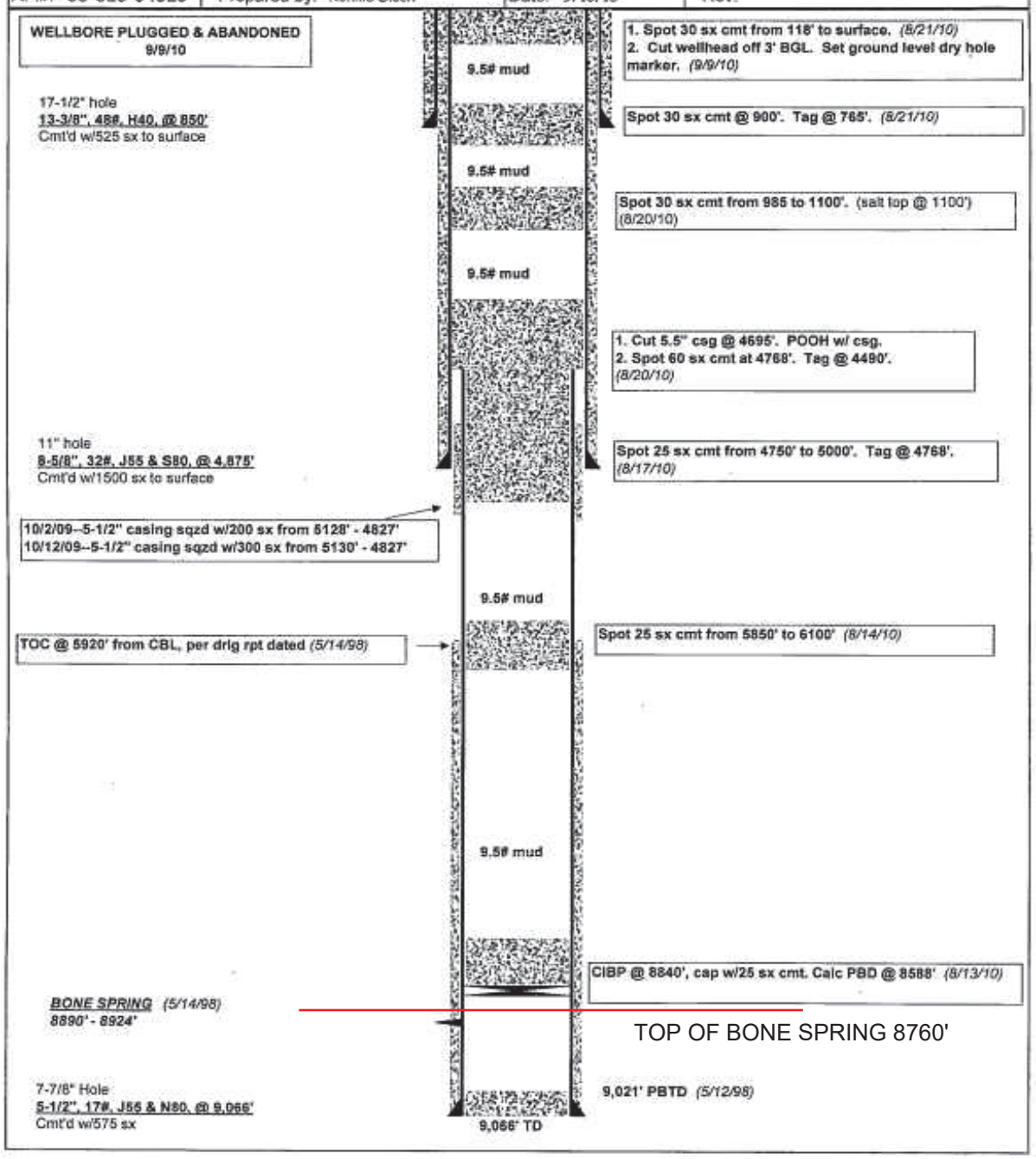
Result	Dry	Sat.
Gross Heating Value (BTU / Ideal cu.ft.)	1236.3	1214.8
Gross Heating Value (BTU / Real cu.ft.)	1241.0	1219.9
Relative Density (G), Real	0.7704	0.7682

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total un-normalized amount	99.6069	97.0000	103.0000	Pass

AOR ID 92

Well Name: CHECKERS 24 FEDERAL 7		Field: RED TANK	
Location: 760' FSL & 1980' FEL; SEC 24-T22S-R32E		County: LEA	State: NM
Elevation: 3764' KB; 3749' GL		Spud Date: 4/9/98	Compl Date: 5/14/98
API#: 30-025-34023	Prepared by: Ronnie Slack	Date: 9/10/10	Rev:



AOR ID 11

Stephen Janacek

10/5/2021

Final Wellbore

RED TANK 28 FEDERAL #006

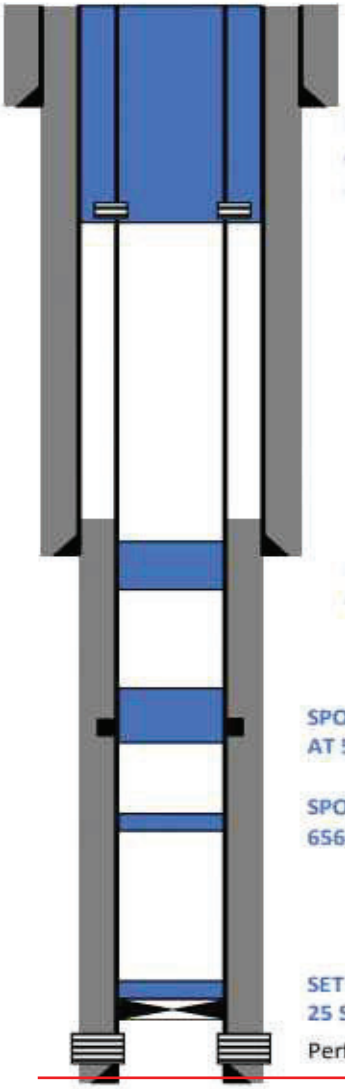
30-025-34221-0000

Lea

String 1
OD 10.75 in
TD 815 ft
TOC 0 ft , Circ

String 2
OD 7.625 in
TD 4435 ft
TOC 0 ft , Circ

String 3
OD 4.5 in
TD 8700 ft
TOC 4150 ft , CBL
PBTD 8700 ft



PERF @ 1300'. EST CIRC. CIRC 240 SX CL C CMT TO SURFACE. VERIFIED CMT @ SURFACE.

SPOT 45 SX CL C CMT 4719'. TAG AT 4130'.

DVT 5998'

SPOT 50 SX CL C CMT 6048' TAG AT 5290'.

SPOT 25 SX CL C CMT 6849'. CTOC 6562'.

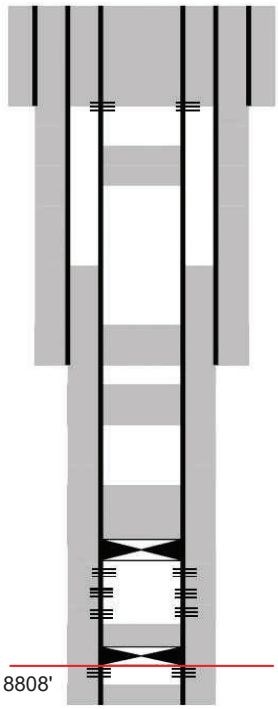
SET CIBP @ 8250'. CAP CIBP WITH 25 SX CL H CMT. TAG AT 8006'.

Perfs 8300'-8540' (Brushy Canyon)

TOP OF BONE SPRING 8590'

AOR ID 82

OXY USA Inc. - Plugged
Red Tank 31 State #004
API No. 30-025-33580



Spud 09/30/1996

14-3/8" hole @ 820'
10-3/4" @ 820'
w/ 780 sx-TOC-Surf-Circ.

Perf'd @ 890' Sqzd 200sx Cl C Cmt to surface. Verified.

EOT @ 1900'. Pumped 25sx Cl C Cmt.

9-7/8" hole @ 4770'
7-5-8" csg @ 4770'
w/ 1150 sx-TOC-Surf-Circ.

EOT @ 5050'. Pumped 40sx Cl C Cmt. Tagged TOC @ 4461'.

EOT @ 6338'. Pumped 50sx Cl C Cmt. Tagged TOC @ 5663'.

6-3/4" hole @ 9100'
4-1/2" csg @ 9100'
w/ 775sx - TOC @ ~3500'
DV Tool @ 6288'

Set CIBP @ 7770'. Pumped 25sx Cl H. Tagged TOC @ 7712'.
Added 25sx Cl C. Tagged TOC @ 7397'.

Perfs 7820' - 7850'
Perfs 8343'-8566'

Pumped 25sx Cl C on existing CIBP. Tagged TOC @ 8507'.

CIBP @ 8900'
Perfs 8942' - 8988'

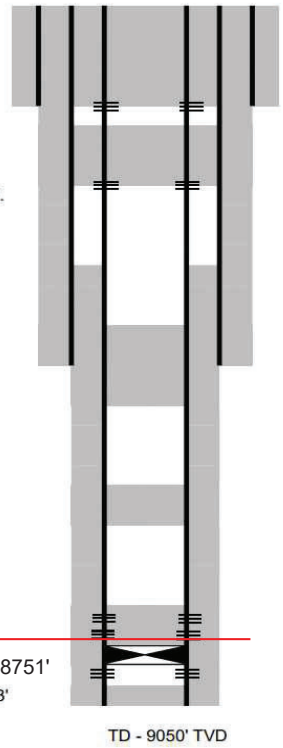
PBTD - 9052'

TOP OF BONE SPRING 8808'

TD - 9100' TVD

AOR ID 81

OXY USA Inc. - Plugged
Red Tank 31 State #002
API No. 30-025-33431



Spud 04/06/2000

Perf'd @ 872'. Squeezed 230sx Cl C Cmt. Verified Cmt to Surf.

14-3/8" hole @ 822'
10-3/4" @ 822'
w/ 770 sx-TOC-Surf-Circ.

Perf'd @ 1500'. Squeezed 50sx Cl C Cmt. Tagged TOC @ 1052'.

9-7/8" hole @ 4730'
7-5-8" csg @ 4730'
w/ 1750 sx-TOC-Surf-Circ.

EOT @ 5003'. Pumped 35sx Cl C Cmt. Tagged TOC @ 4414'.

6-3/4" hole @ 9050'
4-1/2" csg @ 9050'
w/ 1050sx - TOC @ ~3181'
DV Tool @ 6032'

EOT @ 6082'. Pumped 25sx Cl C Cmt. Tagged TOC @ 5772'.

Perfs 8550'-8702'

Tagged Exisitng CIBP @ 8732'. Pumped 35sx Cl C cmt.
WOC Tagged TOC @ 8210'.

TOP OF BONE SPRING 8751'

CIBP @ 8870'
Perfs 8914' - 8932'

PBTD - 9003'

TD - 9050' TVD

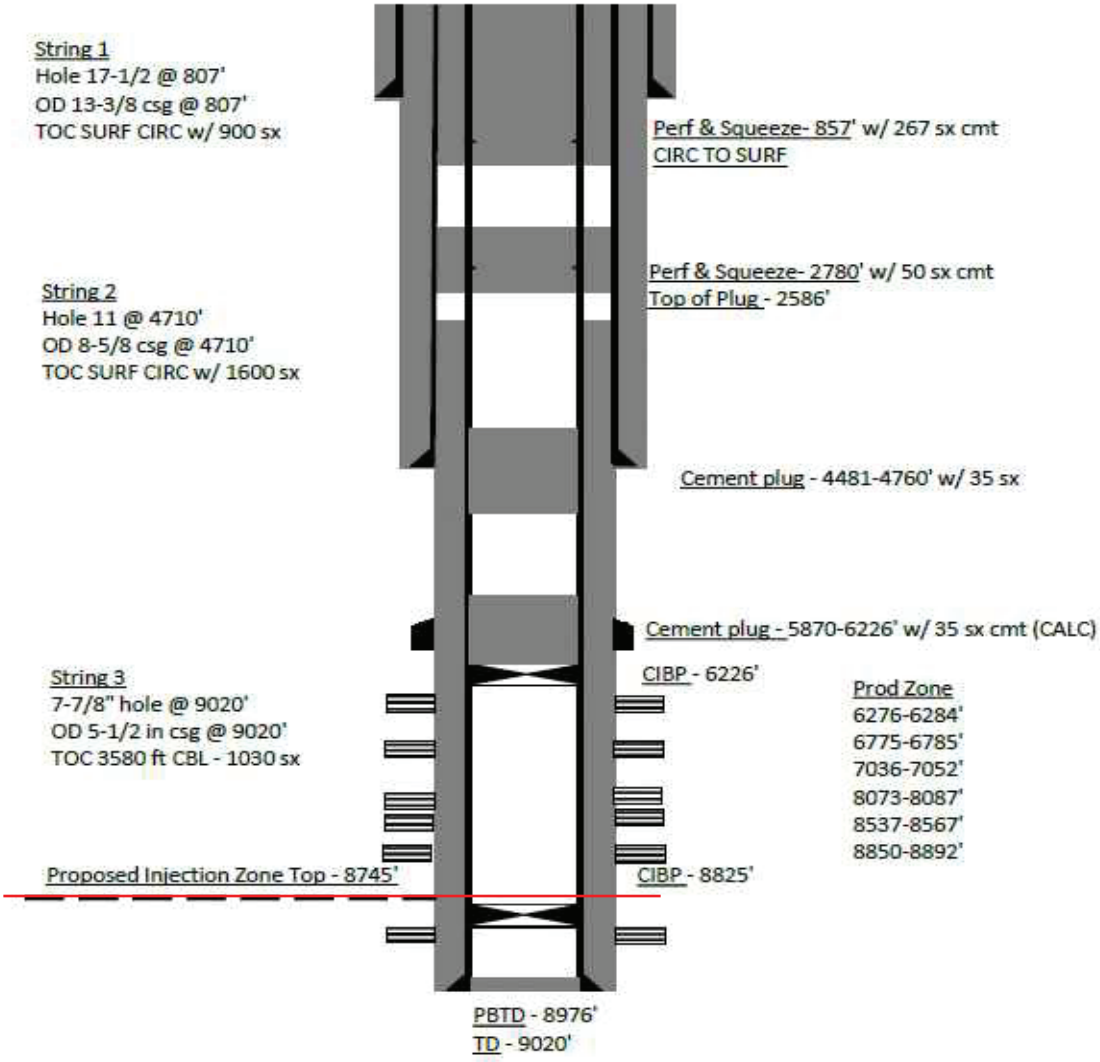
AOR ID 80

Shaunik Bhatte
5/5/2021

Current Wellbore

Red Tank 30 State 1

30-025-33011-0000
Sec 30 T22S R33E 990 FSL 330 FWL
Lea County, NM



AOR ID 79

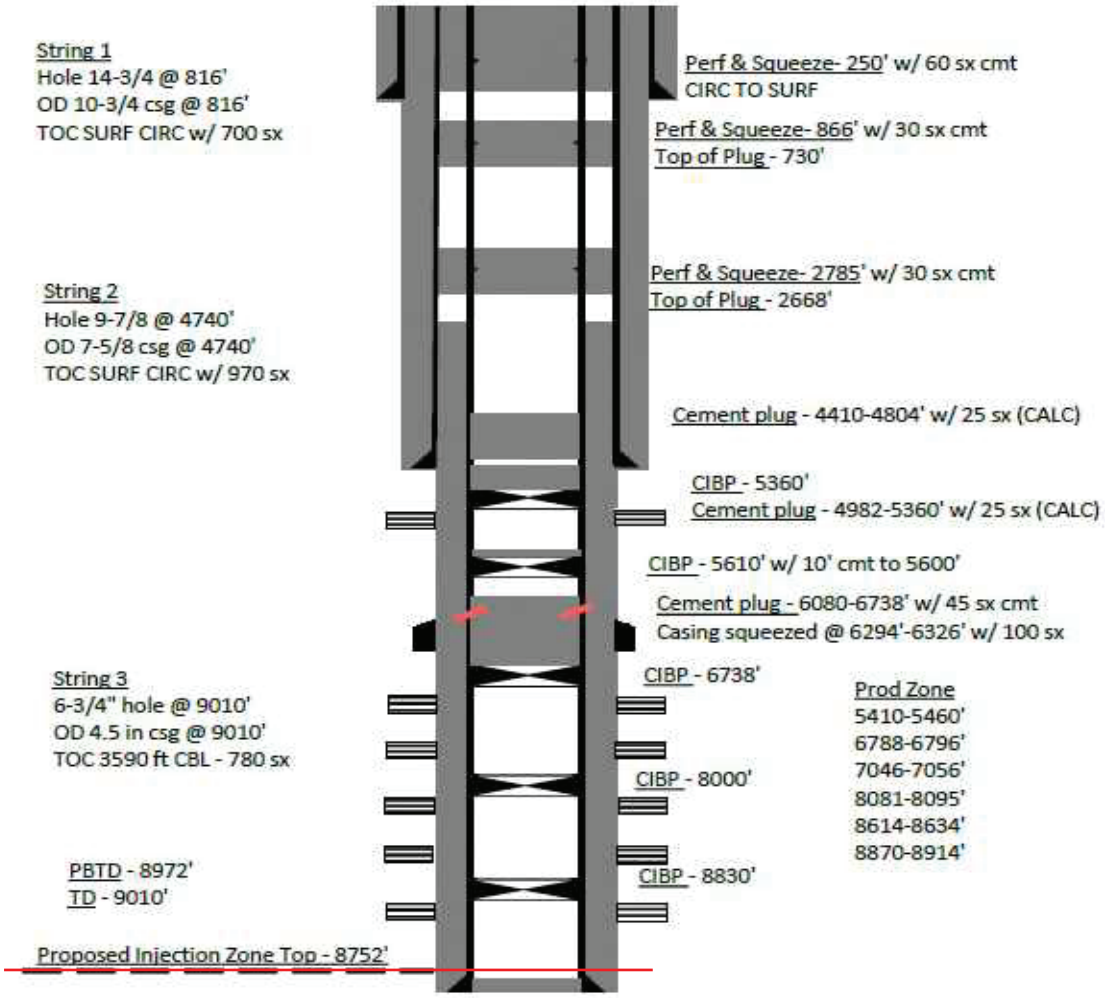
Shaunik Bhatte
5/5/2021

Current Wellbore

Red Tank 31 State 1

30-025-33082-0000

Sec 31 T22S R33E 330 FNL 330 FWL
Lea County, NM



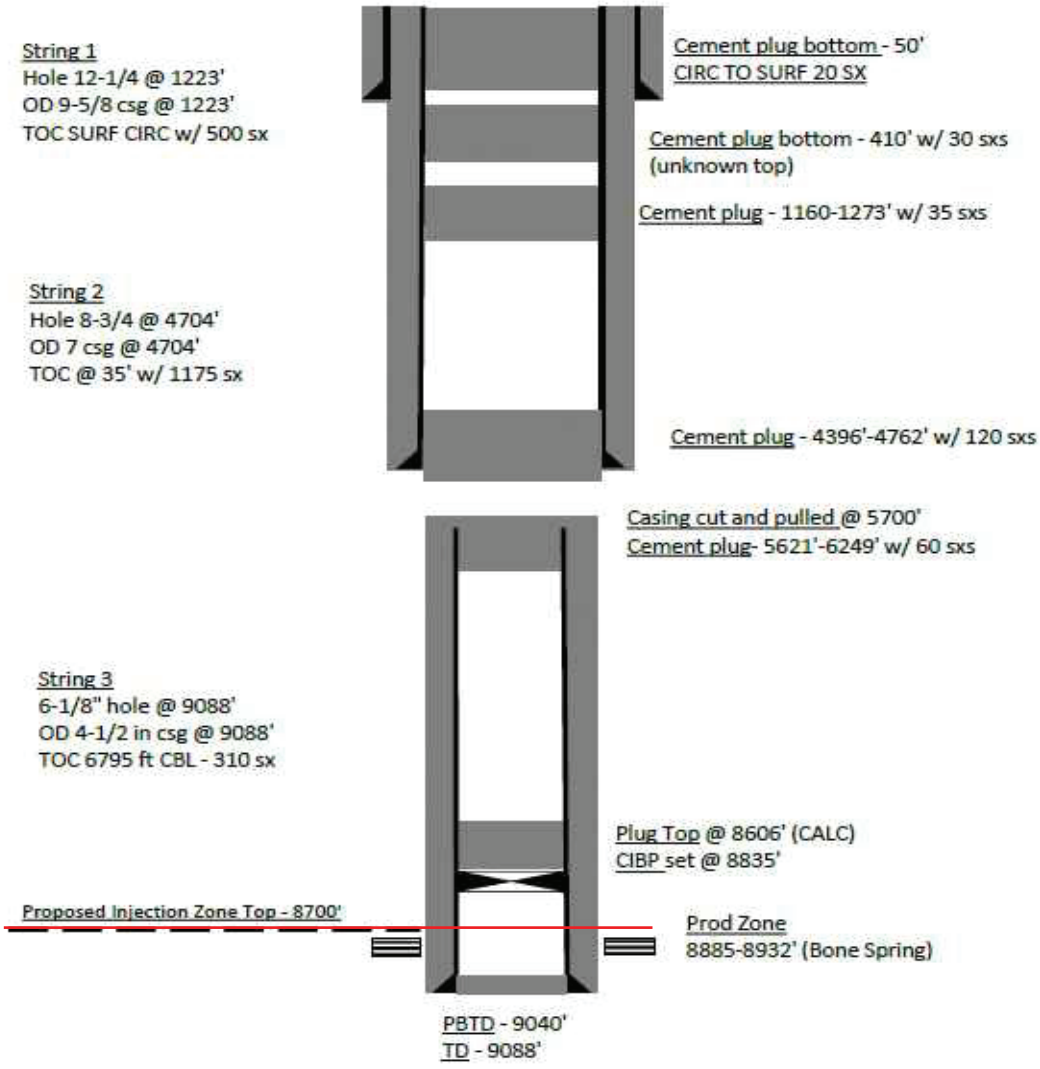
AOR ID 78

Shaunik Bhatte
5/5/2021

Current Wellbore

Mule Deer 36 State 8

30-025-33823-0000
Sec 36 T22S R32E 1650 FSL 770 FEL
Lea County, NM



AOR ID 77

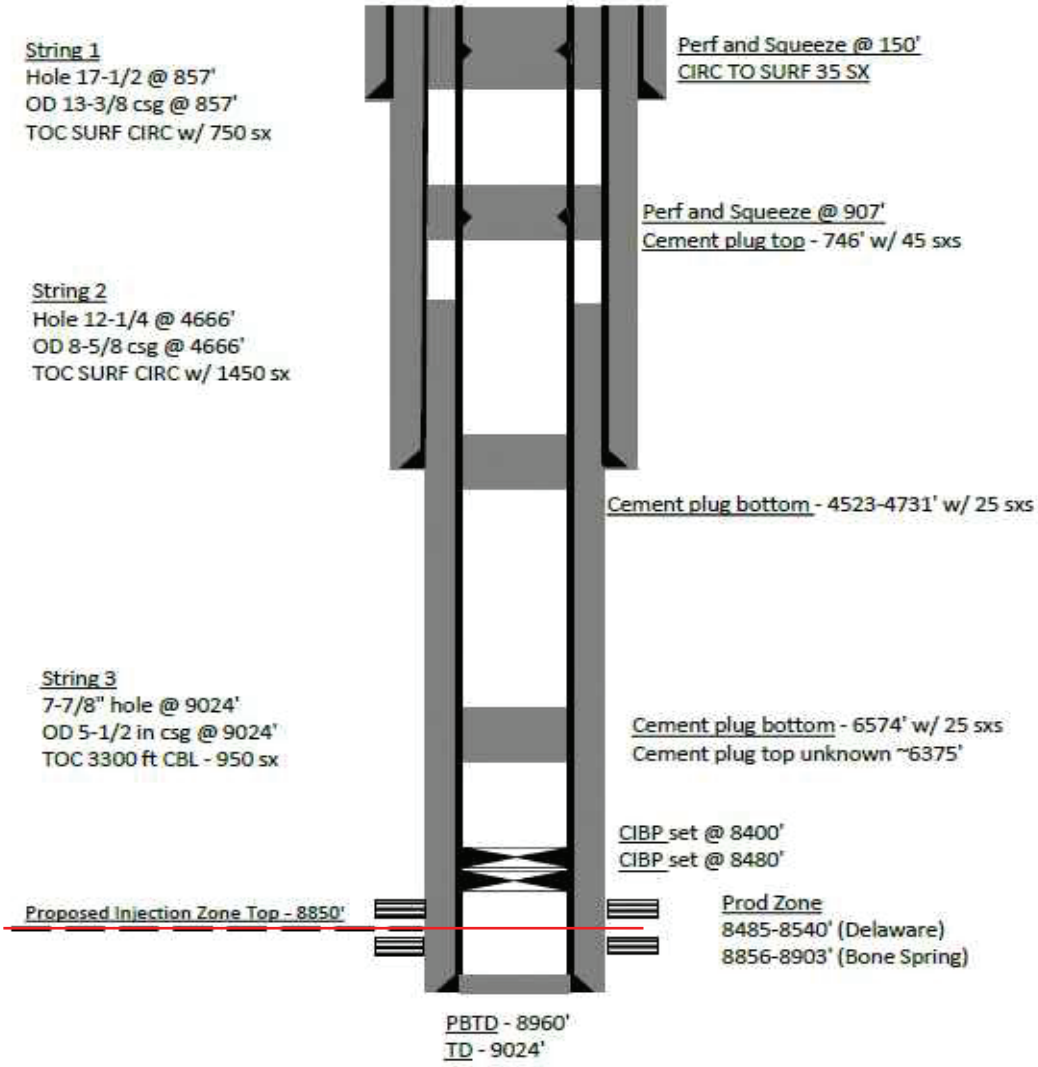
Shaunik Bhatte
5/5/2021

Current Wellbore

Mule Deer 36 State 5

30-025-33239-0000

Sec 36 T22S R32E 1980 FNL 990 FEL
Lea County, NM



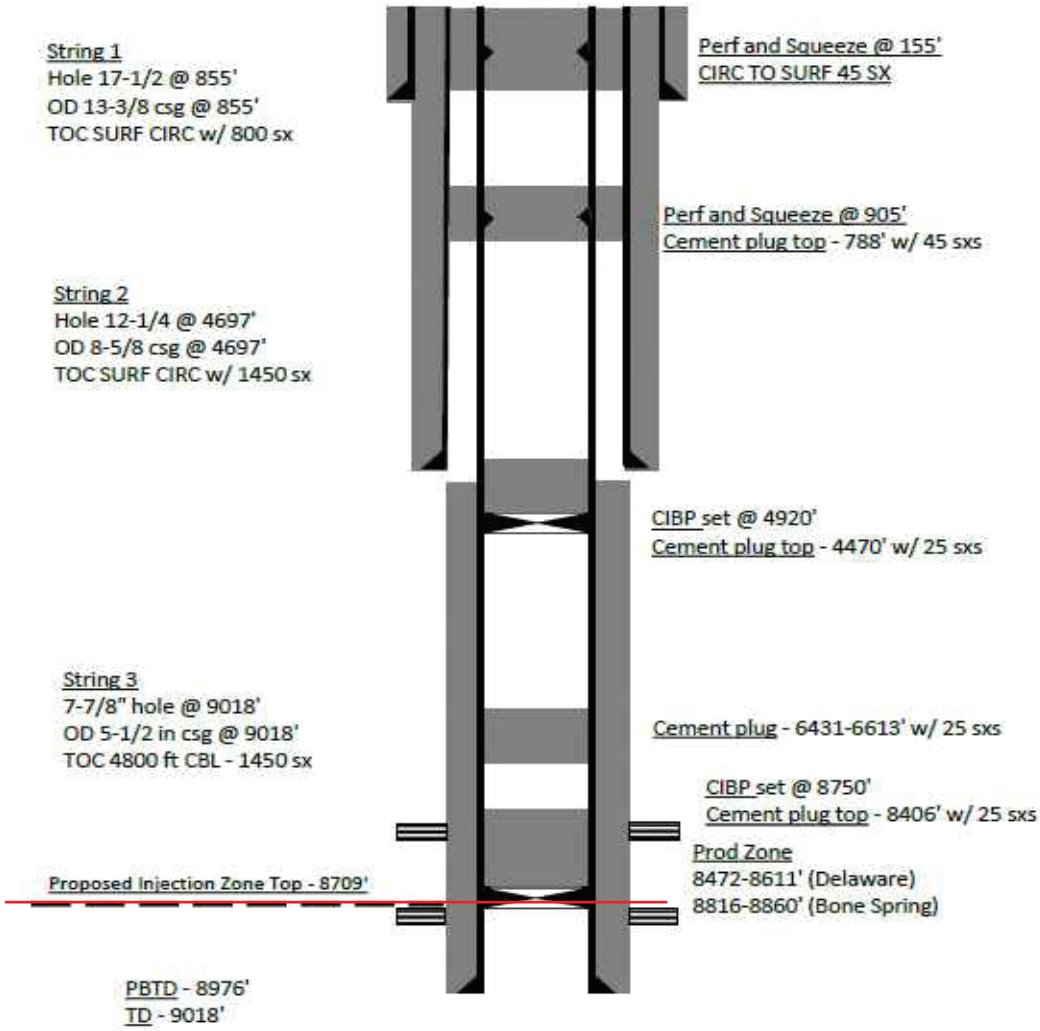
AOR ID 76

Shaunik Bhatte
5/5/2021

Current Wellbore

Mule Deer 36 State 1

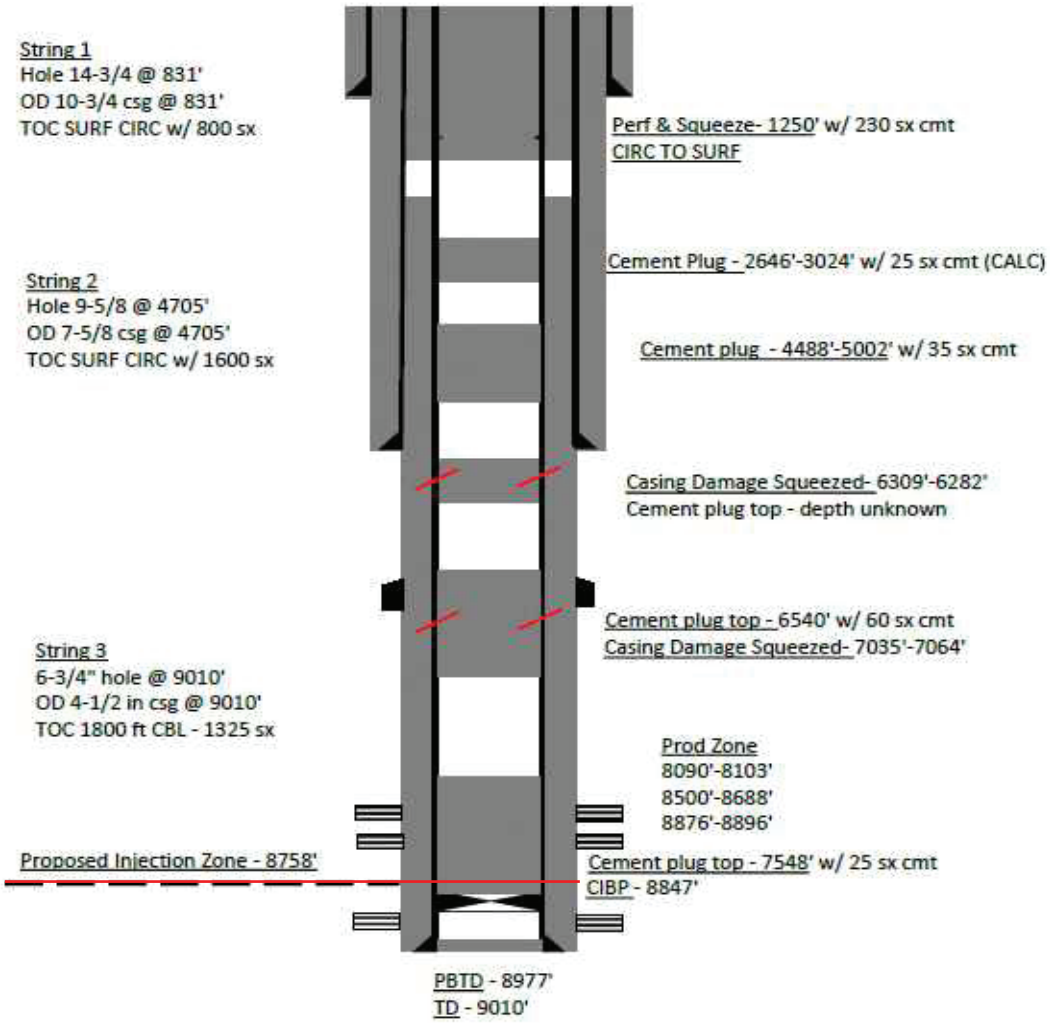
30-025-32837-0000
Sec 36 T22S R32E 330 FNL 1980 FEL
Lea County, NM



AOR ID 73

Shaunik Bhatte
5/5/2021

Current Wellbore
Covington A Federal 15
30-025-33319-0000
Sec 25 T22S R32E 330 FNL 1300 FEL
Lea County, NM



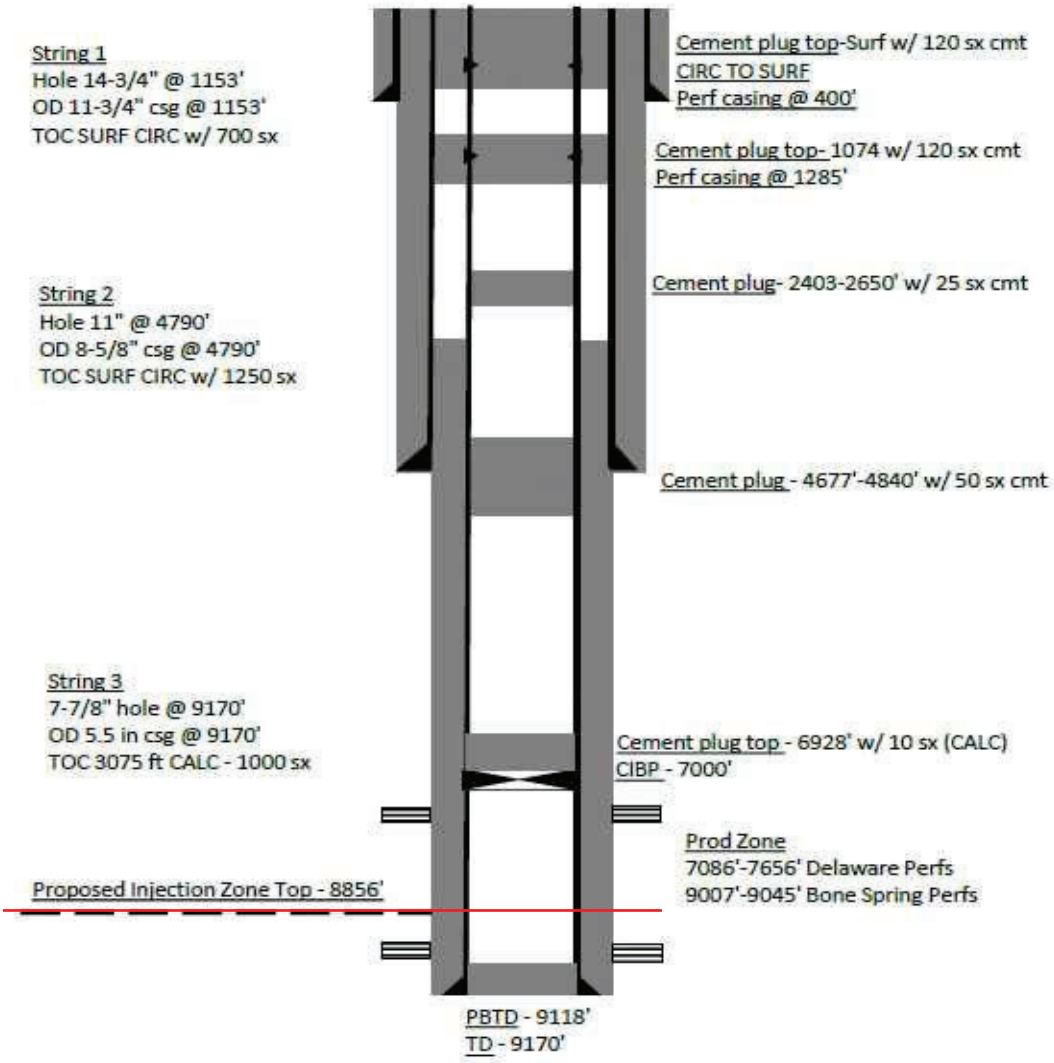
AOR ID 68

Shaunik Bhatte
5/4/2021

Current Wellbore

Coriander AOC State 002

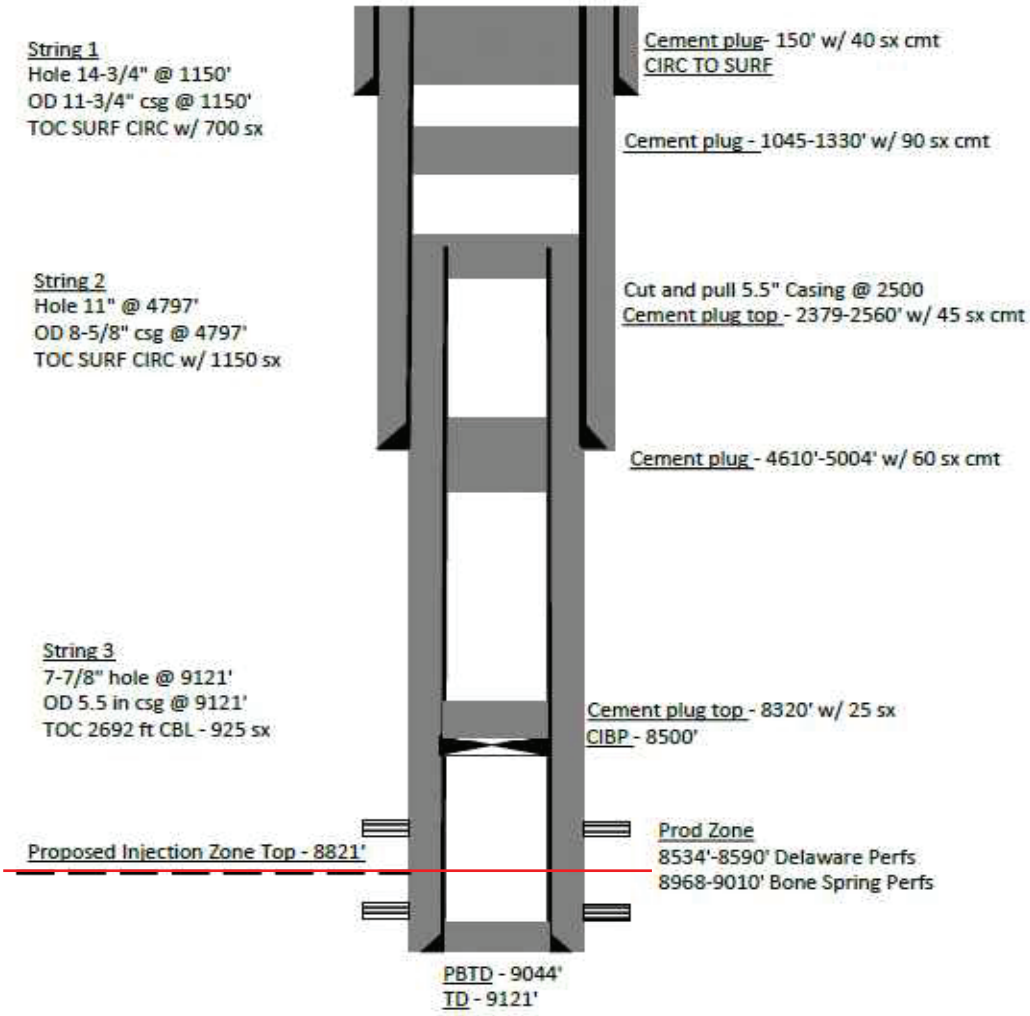
30-025-33574-0000
Sec 01 T23S R32E 1650 FNL 330 FEL
Lea County, NM



AOR ID 67

Shaunik Bhatte
5/4/2021

Current Wellbore
Coriander AOC State 001
30-025-33531-0000
Sec 01 T23S R32E 330 FNL 330 FEL
Lea County, NM



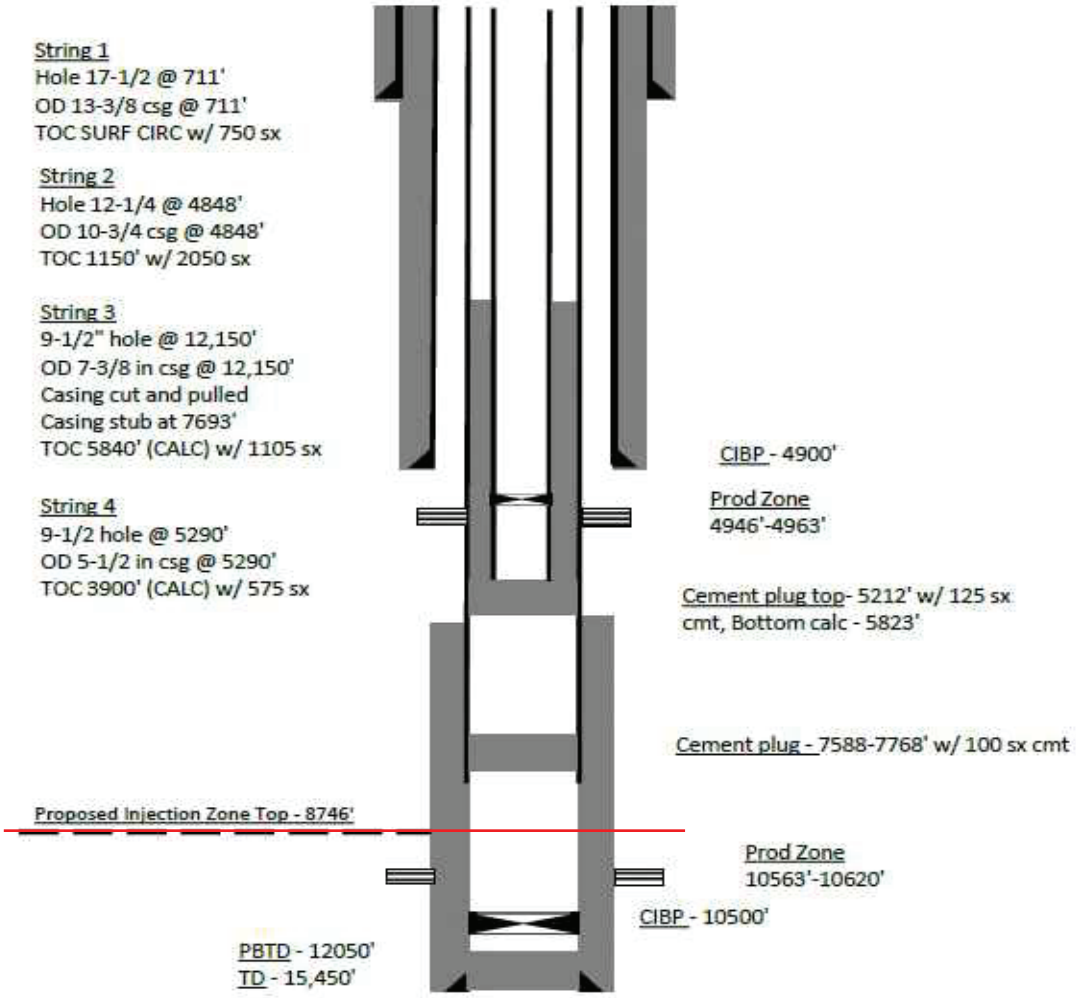
AOR ID 61

Shaunik Bhatte
3/24/2021

Current Wellbore

Red Tank 30 State 3

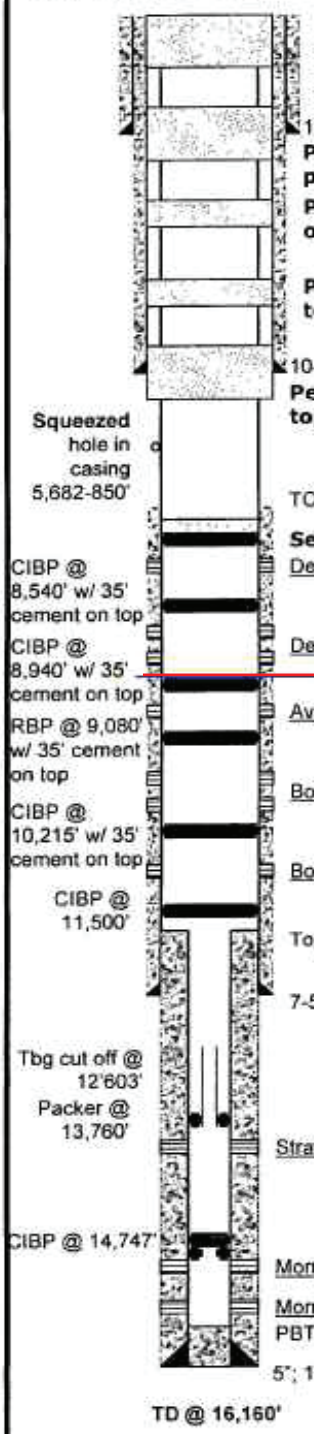
30-025-27596-0000
Sec 30 T22S R33E 19800 FNL 660 FEL
Lea County, NM



AOR ID 60

LIME ROCK RESOURCES

FINAL ABANDONMENT



Perforated at 150' and spotted cement from 150' back to surface

13-3/8", 54.5#, J-55, ST&C Casing @ 736'

Perforated at 786' and spot 40 sx plug from 786' to 662' (tagged top of plug)

Perforated at 1,460' and spot 40 sx plug from 1,460' to 1,280' (tagged top of plug)

Perforated at 3,191' and spot 50 sx plug from 3,191' to 3,038' (tagged top of plug)

10-3/4"; 40.5, 45.5 & 51#; J-55; LT&C Casing @ 5,026'

Perforated at 5,151' and pumped 75 sx plug from 5,151' to 4,757' (tagged top of plug)

Squeezed hole in casing 5,682-850'

TOC @ 7,901'

Set CIBP @ 8,101' and dumped 35' cement on top of plug

Delaware Perfs: 8,156-62' & 8,168-84' (42 – 0.41" DIA holes)

CIBP @ 8,540' w/ 35' cement on top

Delaware Perfs: 8,672-80' & 8,745-58 (46 – 0.41" DIA holes)

CIBP @ 8,940' w/ 35' cement on top

TOP OF PROPOSED INJ INTERVAL 8856'

Avalon Perfs: 8,960-74' (30 – 0.42" DIA holes)

RBP @ 9,080' w/ 35' cement on top

Bone Springs Perfs: 9,921-39' & 10,003-50'

CIBP @ 10,215' w/ 35' cement on top

Bone Springs Perfs: 10,572-53' (60 – 0.24" DIA holes)

CIBP @ 11,500'

Top of 5"; 17.9#; S-95; SFJ Liner @ 11,676'

7-5/8", 29 & 33.7#, S-955, LT&C Casing @ 12,174'

Formation	Top
Rustler	1,257'
Delaware Lime	4,980'
Delaware Sand	5,027

Tbg cut off @ 12'603'

Packer @ 13,760'

Strawn Perfs: 13,804-905.5' (13 – 0.41" DIA holes)

CIBP @ 14,747'

Morrow Perfs: 14,794-00' (24 – 0.50" DIA holes)

Morrow Perfs: 15,031-35' (10 - 0.25" DIA holes)

PBTD @ 15,191'

5"; 17.9#; S-95; SFJ Liner @ 15,400'

TD @ 16,160'

Lime Rock Resources
Pronghorn ABO Federal 1
Sec 6G-23S-33E
Lea County, NM

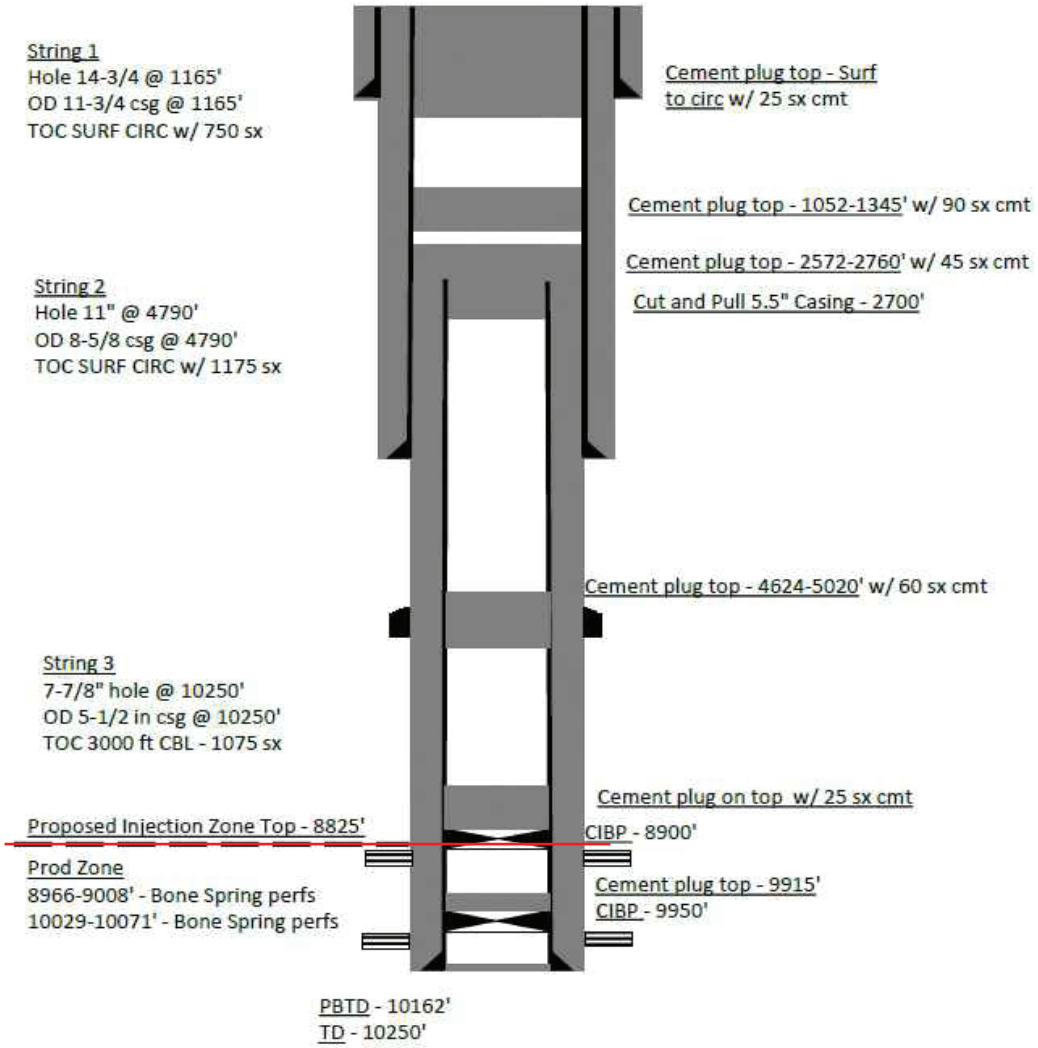
AOR ID 33

Shaunik Bhatte
3/24/2021

Current Wellbore

Thyme APY Federal 1

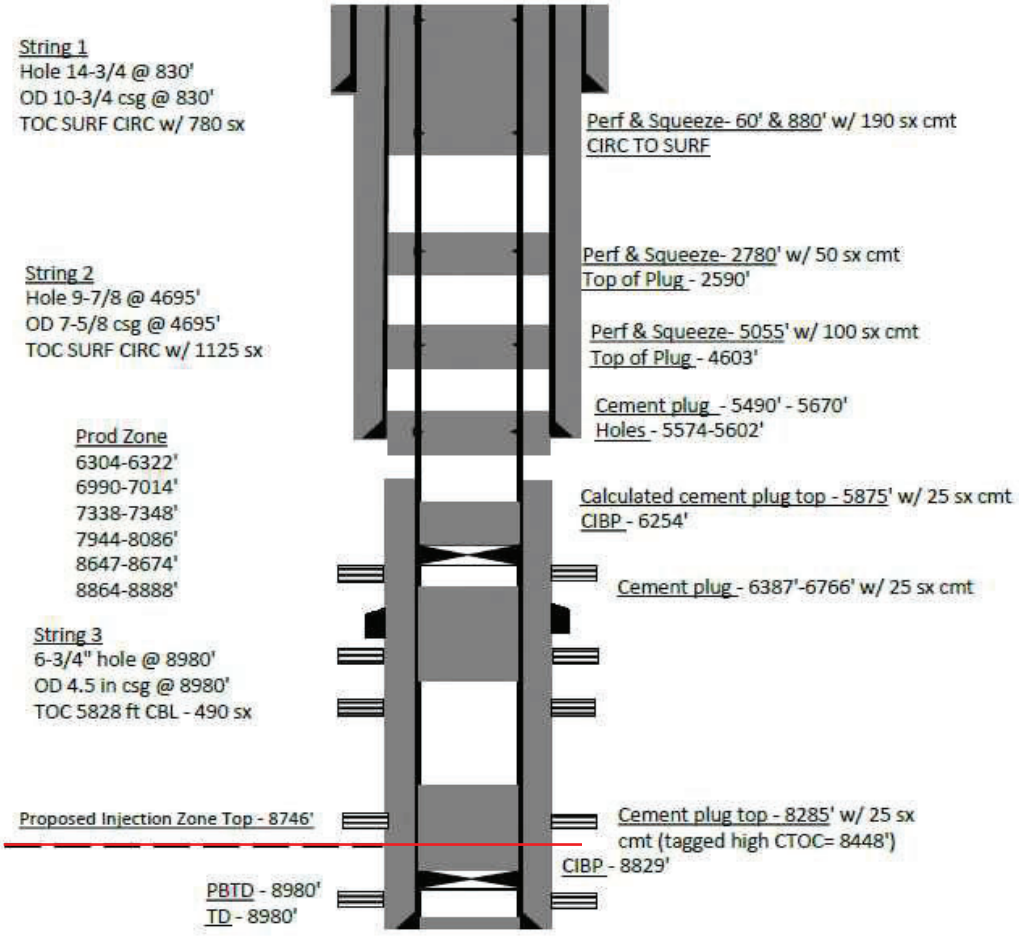
30-025-33370-0000
Sec 1 T23S R32E NWNE 330' FNL 1650' FEL
Lea County, NM



AOR ID 32

Shaunik Bhatte
3/24/2021

Current Wellbore
Covington A Federal 16
30-025-33224-0000
Sec 25 T22S R32E SWNE 1650 FNL 1650 FEL
Lea County, NM



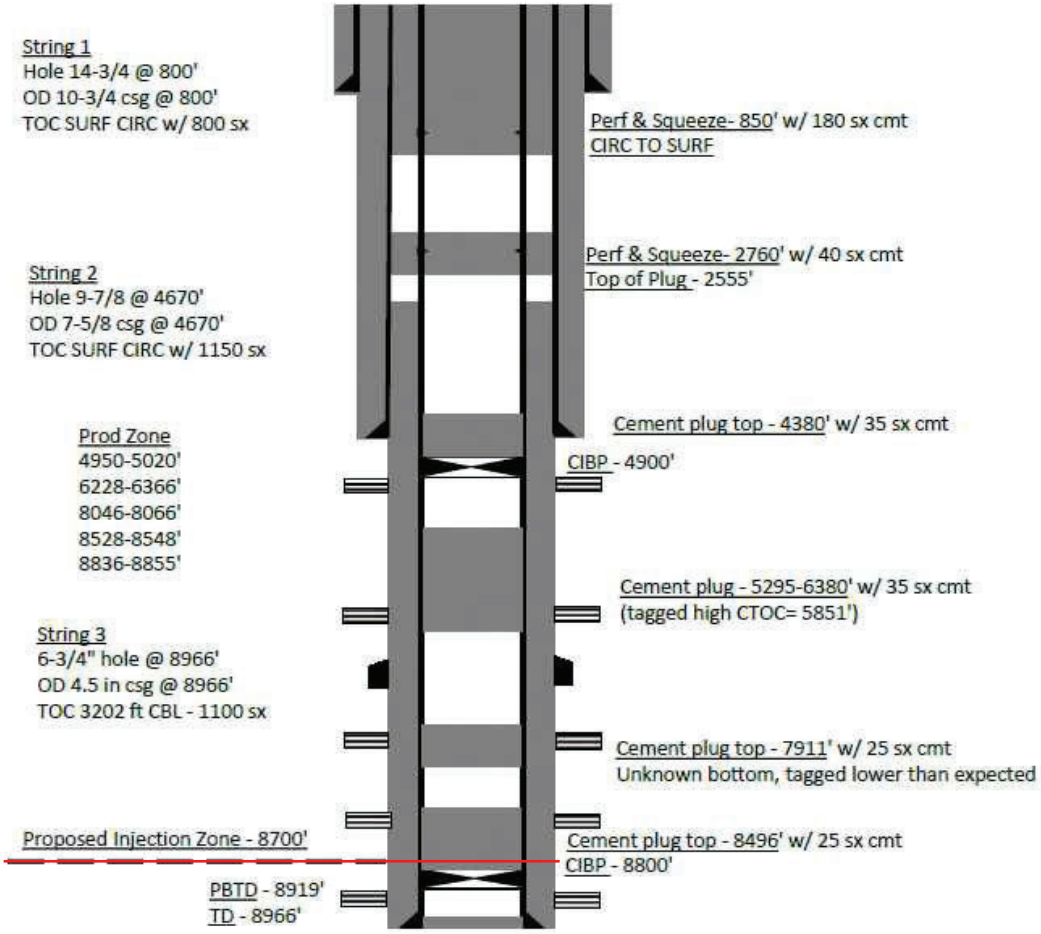
AOR ID 30

Shaunik Bhatte
3/24/2021

Current Wellbore

Covington A Federal 14

30-025-33399-0000
Sec 25 T22S R32E SWNE 1650 FNL 1650 FEL
Lea County, NM



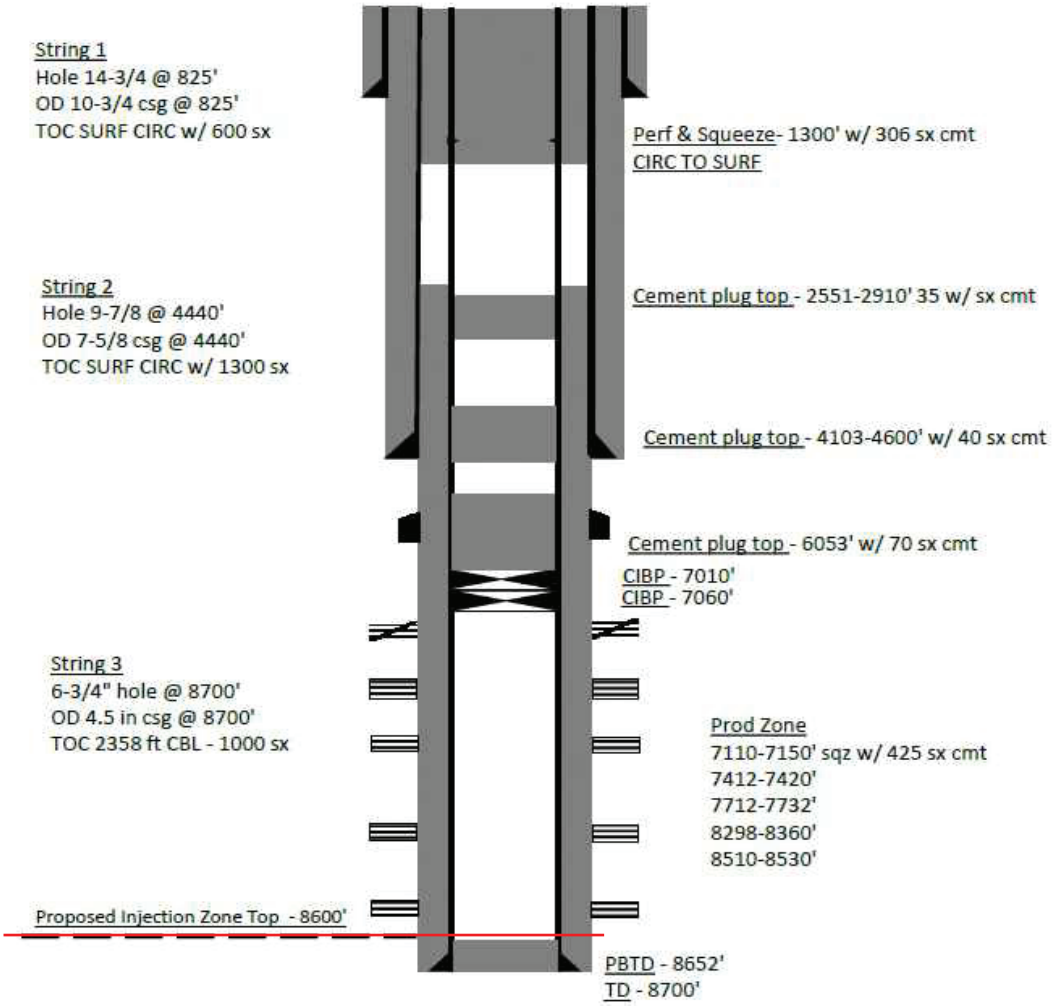
AOR ID 21

Shaunik Bhatte
3/23/2021

Current Wellbore

Federal 27 006

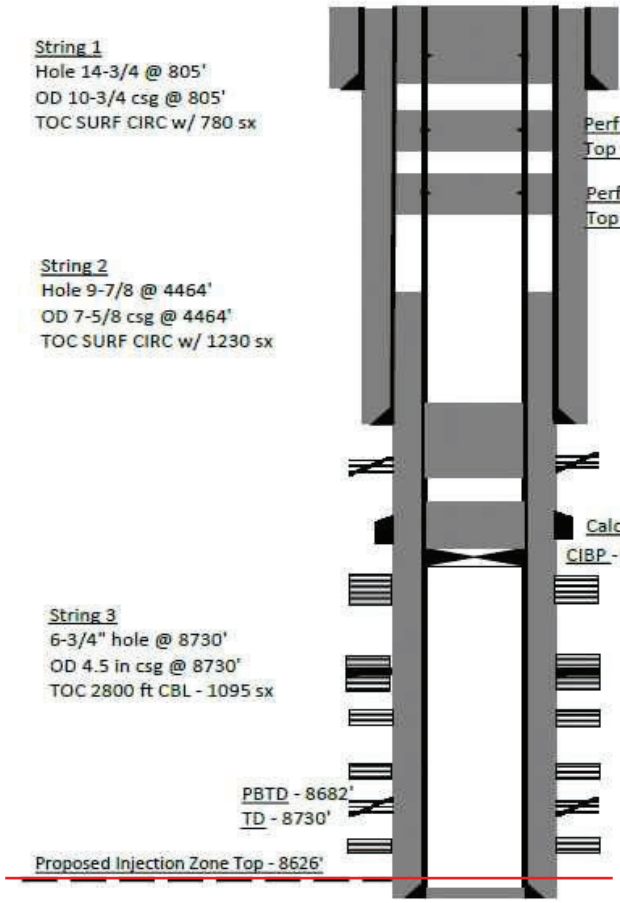
30-025-32842-0000
Sec 27 T22S R32E NWSW 1650 FSL 990 FWL
Lea County, NM



AOR ID 9

Shaunik Bhatte
3/18/2021

Current Wellbore
Federal 27 004
30-025-32796-0000
Sec 27 T22S R32E SENW 2310 FNL 2310 FWL
Lea County, NM



String 1
Hole 14-3/4 @ 805'
OD 10-3/4 csg @ 805'
TOC SURF CIRC w/ 780 sx

String 2
Hole 9-7/8 @ 4464'
OD 7-5/8 csg @ 4464'
TOC SURF CIRC w/ 1230 sx

String 3
6-3/4" hole @ 8730'
OD 4.5 in csg @ 8730'
TOC 2800 ft CBL - 1095 sx

Perf & Squeeze- 855' w/ 215 sx cmt
CIRC TO SURF

Perf & Squeeze- 1310' w/ 30 sx cmt
Top of Plug - 1131'

Perf & Squeeze- 2700' w/ 35 sx cmt
Top of Plug - 2511'

Cement plug top - 4329-4803' w/ 35 sx cmt
Perfs- 4730-4744' squeezed w/ 300 sx cmt

Calculated cement plug top - 5783' w/ 35 sx
CIBP - 6322'

Prod Zone
6372-6748'
7206-7220'
7262-7277' sqz w/ 250 sx cmt
7278-7287'
7412-7425'
7888-7899' sqz w/ 225 sx cmt
8377-8388'

PBTD - 8682'
TD - 8730'

Proposed Injection Zone Top - 8626'

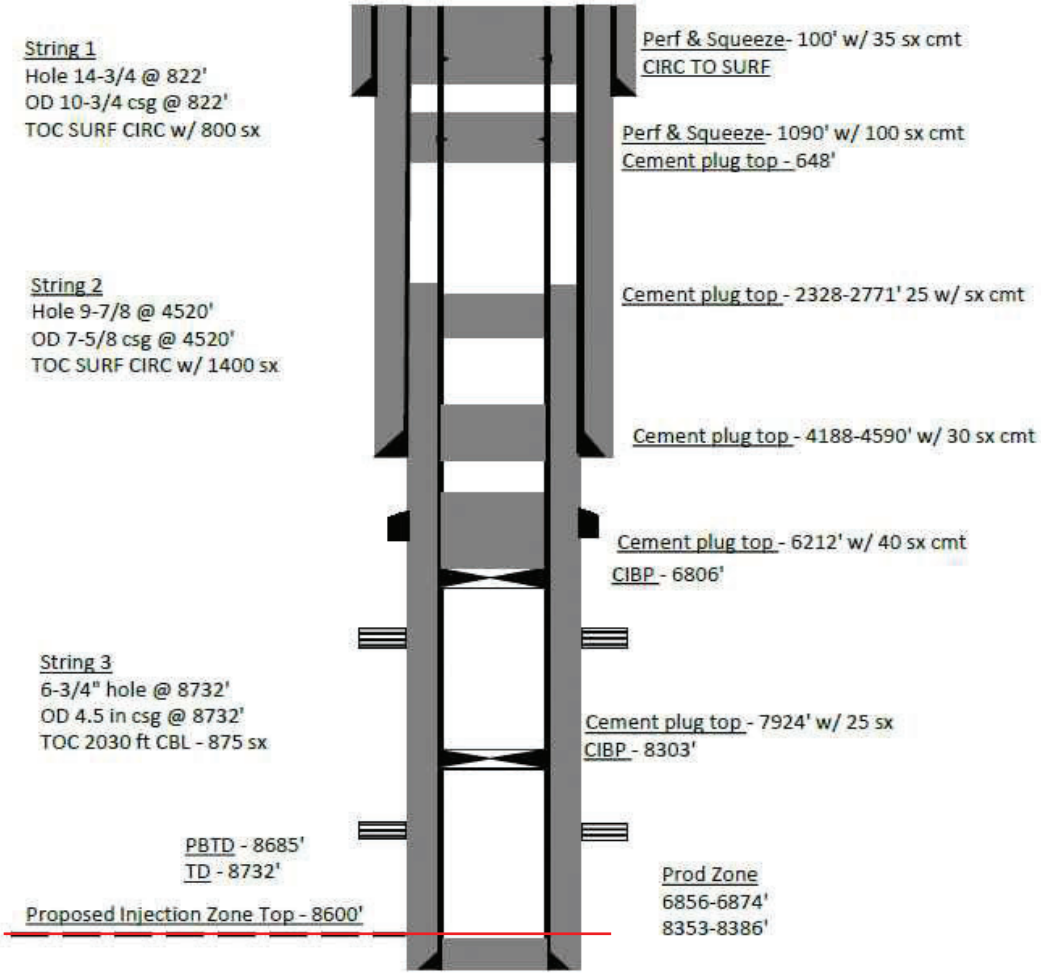
AOR ID 14

Shaunik Bhatte
3/23/2021

Current Wellbore

Federal 27 008

30-025-32755-0000
Sec 27 T22S R32E SWSW 580 FSL 790 FWL
Lea County, NM



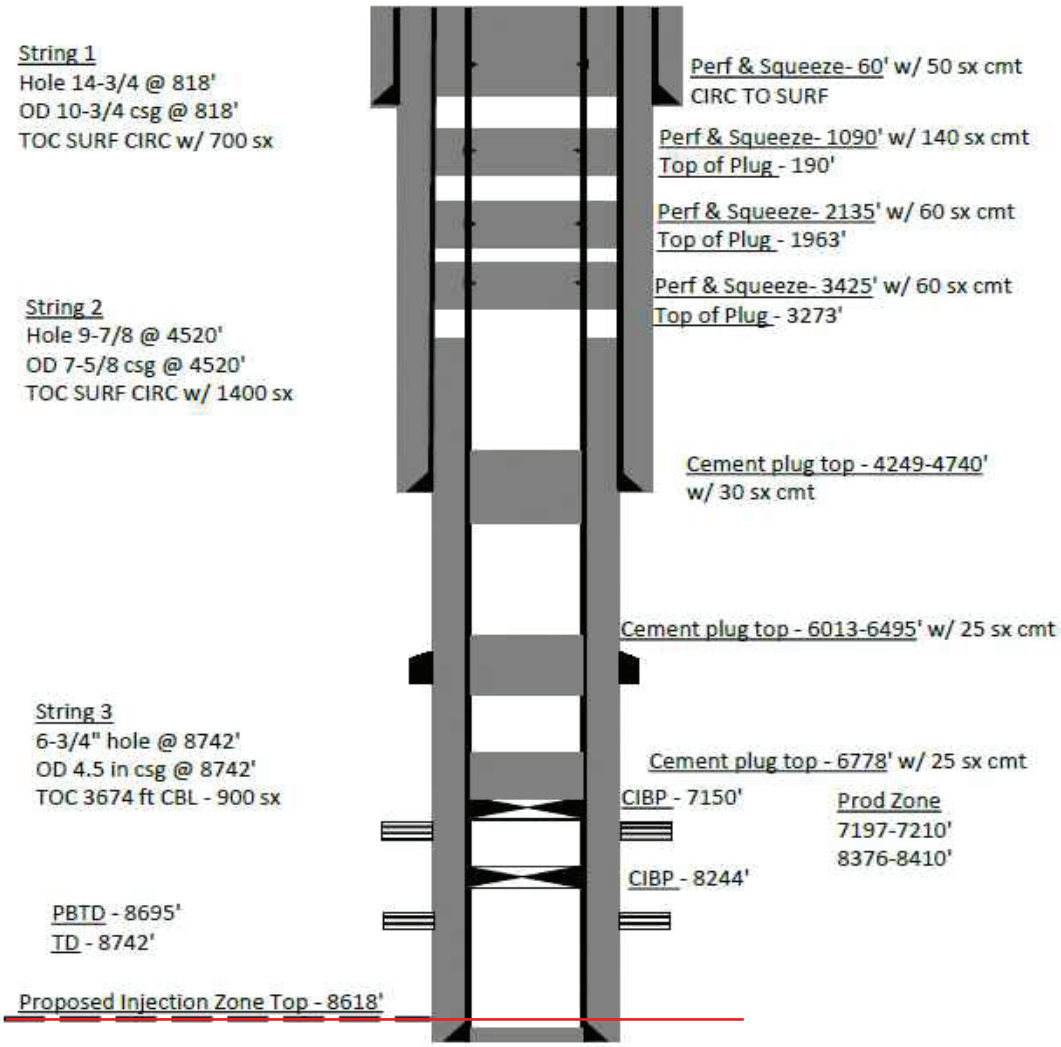
AOR ID 17

Shaunik Bhatte
3/24/2021

Current Wellbore

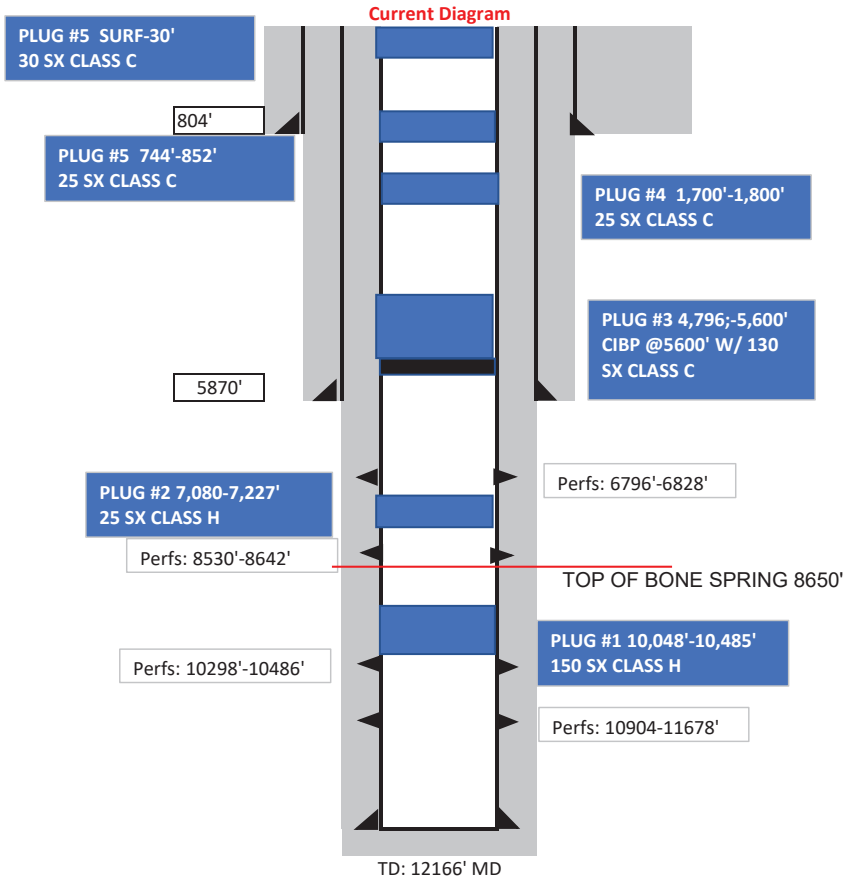
Red Tank 34 Federal 15

30-025-32912-0000
Sec 34 T22S R32E SWNW 1700 FNL 180 FWL
Lea County, NM



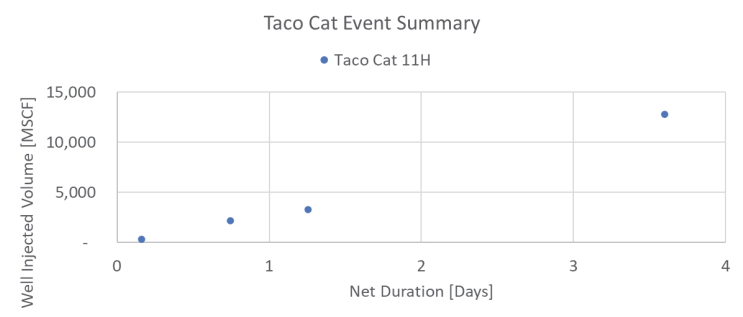
AOR ID 90

White Lightnin #001
30-025-31267
C W Trainer



Taco Cat: Project Summary

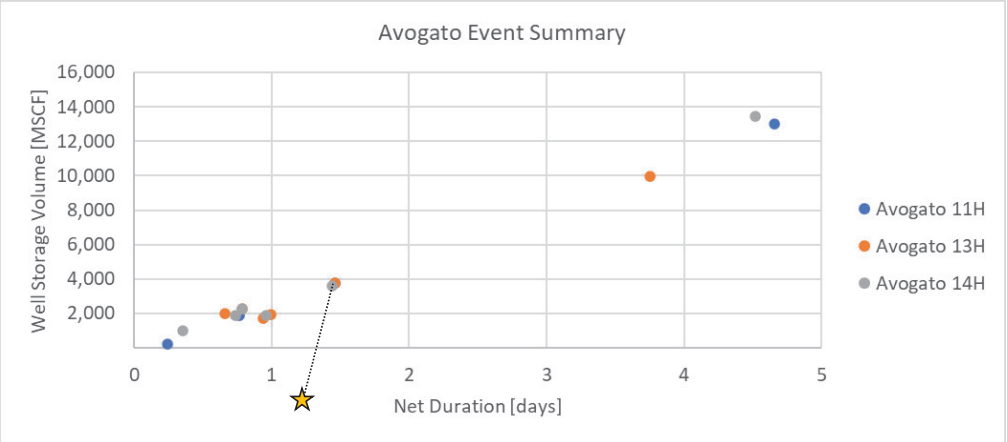
- 4 Storage events over 10 months
- 18,529 MSCF gas stored
- 1 day to 29 days recovery duration



Event Start Date	Event End Date	Gross Duration [days]	Net Duration [days]	Event Injected Volume [MSCF]	Well	Well Injected Volume [MSCF]	Average Injection Rate [MSCF/D]	Max Injection Rate [MSCF/D]	Recovery Start	Recovery End	Recovery Duration [Days]
5/9/22 11:49 AM	5/9/22 3:39 PM	0.2	0.2	313	Taco Cat 11H	313	1,952	2,051	5/9/2022	5/9/2022	1
5/23/22 10:59 PM	5/28/22 12:33 AM	4.1	3.6	12,784	Taco Cat 11H	12,784	3,462	4,274	5/28/2022	6/25/2022	29
9/13/22 12:31 PM	9/14/22 6:21 AM	0.7	0.7	2,153	Taco Cat 11H	2,153	2,950	3,072	9/14/2022	9/24/2022	10
1/31/23 5:00 PM	2/1/23 11:10 PM	1.3	1.3	3,279	Taco Cat 11H	3,279	2,582	4,818	2/1/2023	2/9/2023	7
	Totals	6.9	5.8	18,529							

Avogato: Project Summary

- 6 Storage events over 10 months
- 64,618 MSCF gas stored
- 1 day to 25 days recovery duration

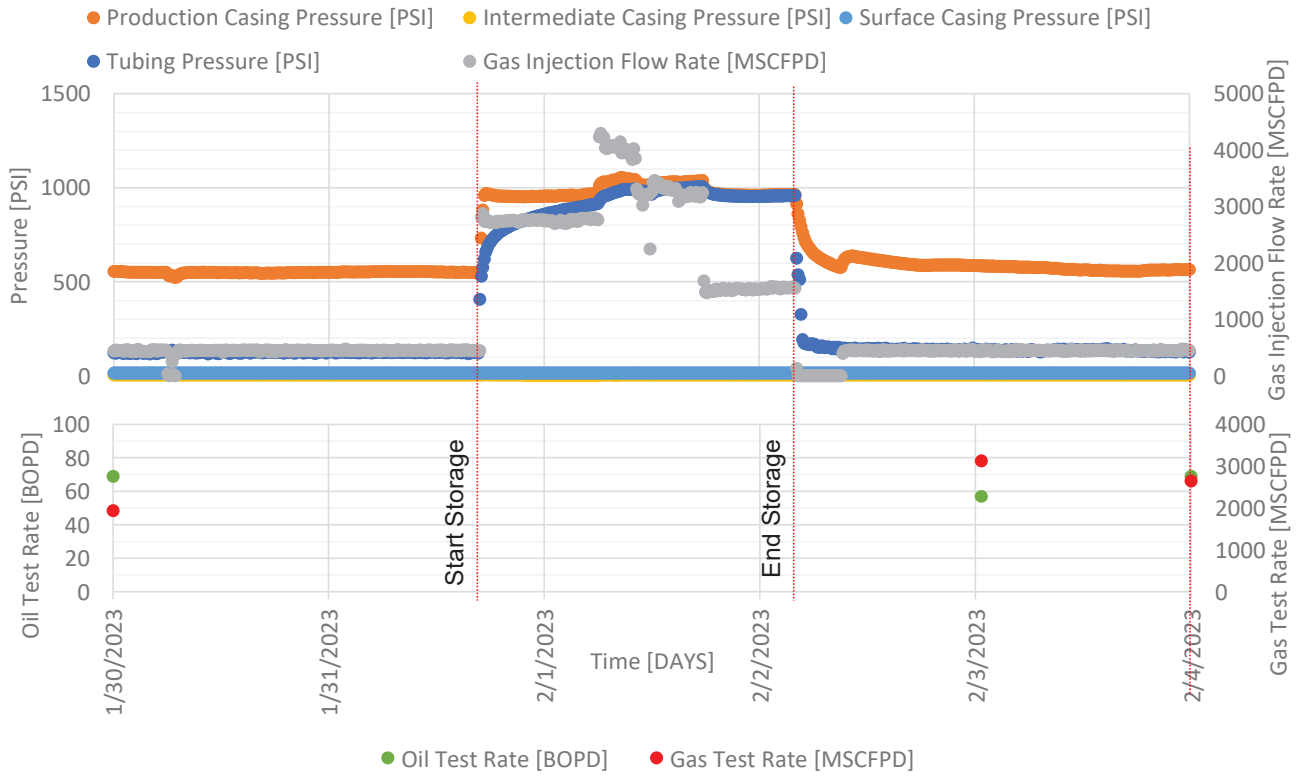


★ Data Example

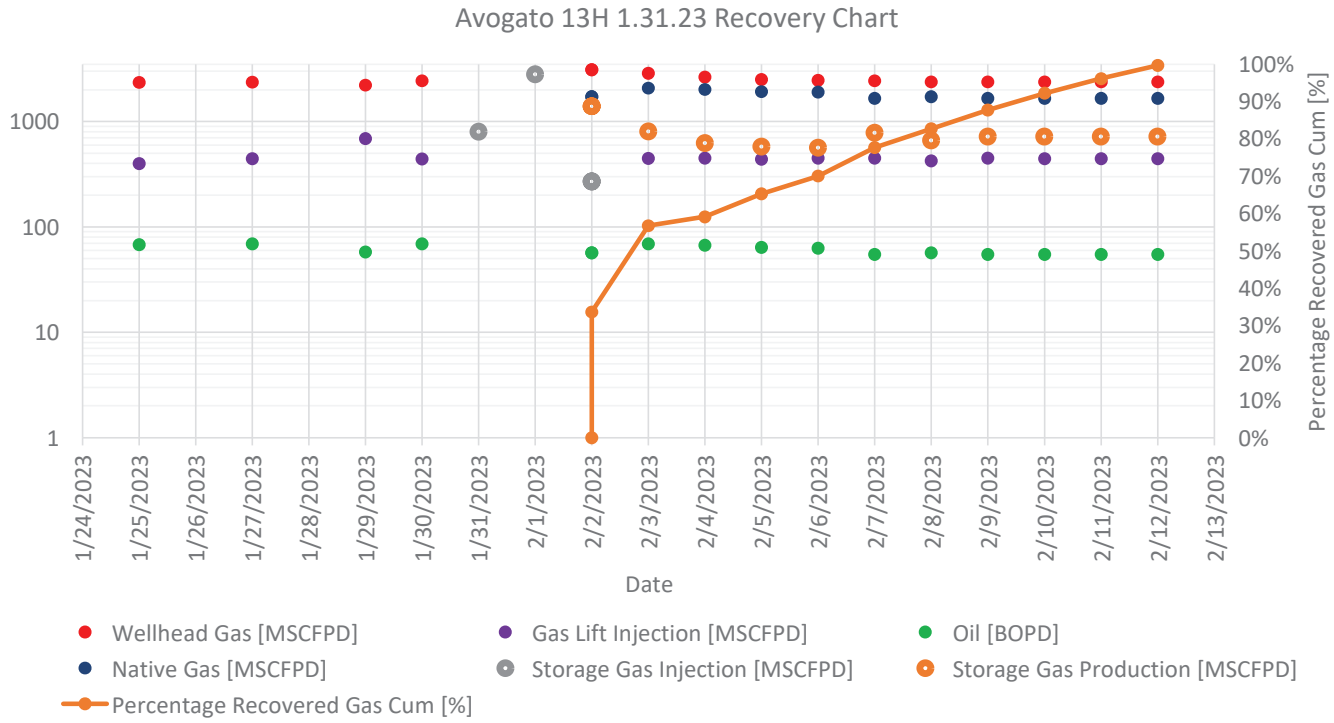
Avogato: Project Summary

Event Name	Event Storage Volume [MSCF]	Event Start Date	Event End Date	Gross Duration [days]	Net Duration [days]	Well	Well Storage Volume [MSCF]	Average Injection Rate [MSCF/D]	Max Injection Rate [MSCF/D]	Recovery Start	Recovery End	Recovery Duration [Days]
5/9/2022	3,816	5/9/2022 22:09	5/10/2022 3:59	0.2	0.2	Avogato 11H	219	973	2,335	5/10/2022	5/11/2022	1
		5/9/2022 11:09	5/10/2022 9:39	0.9	0.9	Avogato 13H	1,717	1,799	2,041	5/10/2022	5/17/2022	7
		5/9/2022 10:49	5/10/2022 9:46	1.0	1.0	Avogato 14H	1,880	1,978	2,071	5/10/2022	5/17/2022	7
5/23/2022	36,377	5/23/2022 23:59	5/28/2022 15:49	4.7	4.7	Avogato 11H	12,985	2,909	5,830	5/28/2022	6/15/2022	18
		5/23/2022 22:59	5/27/2022 23:49	4.0	3.8	Avogato 13H	9,963	2,502	4,689	5/28/2022	6/11/2022	15
		5/23/2022 21:59	5/28/2022 10:29	4.5	4.5	Avogato 14H	13,429	2,943	7,099	5/28/2022	6/22/2022	25
9/13/2022	6,490	9/13/2022 12:15	9/14/2022 6:35	0.8	0.8	Avogato 11H	1,910	2,566	2,976	9/14/2022	9/23/2022	9
		9/13/2022 11:50	9/14/2022 6:40	0.8	0.8	Avogato 13H	2,289	2,951	3,040	9/14/2022	9/19/2022	5
		9/13/2022 11:50	9/14/2022 6:40	0.8	0.8	Avogato 14H	2,291	2,963	3,055	9/14/2022	9/20/2022	7
10/13/2022	2,974	NA	NA	NA	NA	Avogato 11H	NA	NA	NA	NA	NA	NA
		10/13/2022 23:35	10/14/2022 15:25	0.7	0.7	Avogato 13H	1,973	3,163	4,574	10/14/2022	10/24/2022	10
		10/14/2022 6:55	10/14/2022 15:25	0.4	0.4	Avogato 14H	1,001	3,066	3,102	10/14/2022	10/25/2022	11
1/31/2023	11,189	1/31/2023 17:00	2/2/2023 4:00	1.5	1.5	Avogato 11H	3,813	2,601	4,100	2/2/2023	2/11/2023	10
		1/31/2023 17:00	2/2/2023 4:00	1.5	1.5	Avogato 13H	3,792	2,653	4,299	2/2/2023	2/11/2023	10
		1/31/2023 16:00	2/2/2023 2:30	1.4	1.4	Avogato 14H	3,584	2,582	4,468	2/2/2023	2/9/2023	7 ☆
2/26/2023	3,793	NA	NA	NA	NA	Avogato 11H	NA	NA	NA	NA	NA	NA
		2/26/2023 9:39	2/27/2023 9:29	1.0	1.0	Avogato 13H	1,926	1,962	3,062	2/27/2023	3/12/2023	14
		2/26/2023 9:40	2/27/2023 3:20	0.7	0.7	Avogato 14H	1,867	2,525	2,966	2/27/2023	3/3/2023	4
	64,639	**Total**		24.8	24.5							

Avogato 13H 1.31.23: Storage Event



★ Avogato 13H 1.31.23: Recovery Profile Chart



Jared Rountree

Education

- Oklahoma State University
  - B.S. Geology- 2009
- Colorado School of Mines
  - M.S. Geology- 2011

Experience

- Newfield Exploration (2011-2019)
  - Development Geologist- Williston Basin, North Dakota
  - Development Geologist- Uinta Basin, Utah
  - Development Geologist- Anadarko Basin, Oklahoma

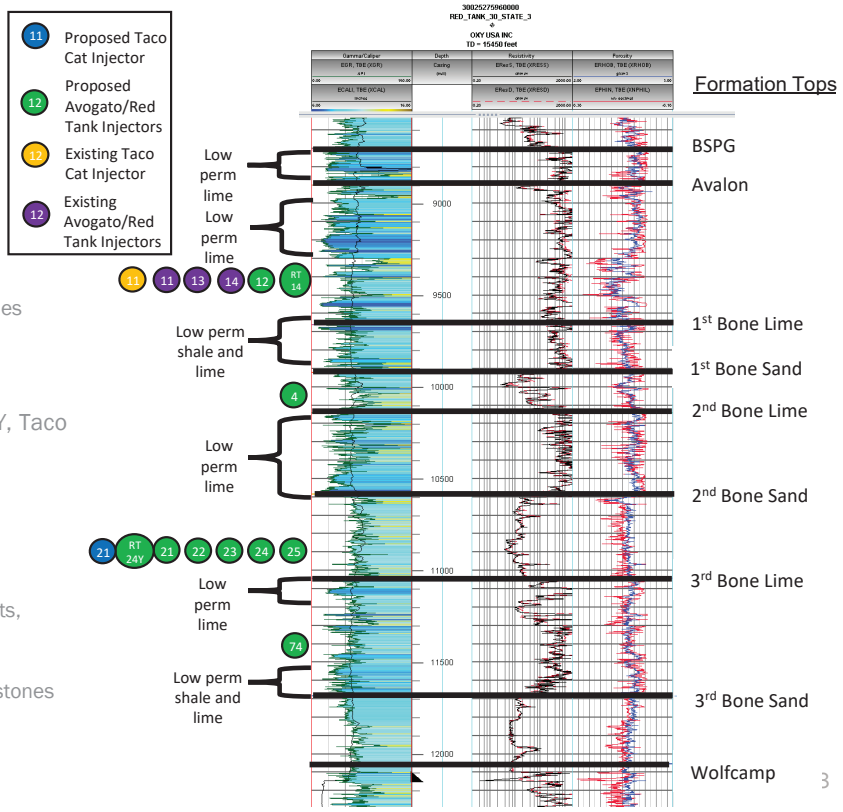
- XTO Energy (2019-2022)
  - Development Geologist- Delaware Basin, New Mexico

- Oxy (2022-Present)
  - Development Geologist- Delaware Basin, New Mexico

Type Log

Proposed Storage Zones

- Avalon Shale (Avogato 12H, Red Tank 14H)
  - Reservoir comprised of siliceous mudstone reservoir with natural permeability in the nano-darcy range
  - Confining layer: overlain by ~300' of low porosity and permeability limestone and underlain by ~250' of interbedded low porosity and permeability limestone and shale
- 1st Bone Spring (Avogato 4H)
  - Reservoir comprised of low porosity and permeability sands and shales
  - Confining layer: overlain by ~250' of interbedded low permeability limestone and shale and underlain by ~450' of low porosity and permeability limestone
- 2nd Bone Spring (Avogato 21H, 22H, 23H, 24H, 25H, Red Tank 24Y, Taco Cat 21H)
  - Reservoir comprised of low porosity siltstone and sandstone
  - Confining layer: overlain by ~450' of low permeability limestone and underlain by 150' low permeability limestone
- 3rd Bone Lime (Avogato 74H)
  - Reservoir comprised of interbedded low porosity and permeability silts, shales, and limestones
  - Confining layer: overlain by ~150' of low permeability limestone and underlain by ~200' of low porosity and permeability shales and limestones



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

APPLICATION OF OXY USA INC. TO AMEND ORDER NO. R-22101 TO EXPAND THE APPROVED CLOSED LOOP GAS CAPTURE INJECTION PILOT PROJECT AREA, ADD ADDITIONAL INJECTION WELLS, INCREASE THE MAXIMUM ALLOWABLE SURFACE INJECTION PRESSURE, EXTEND THE PILOT PROJECT FOR TWO YEARS, AND DISMISS ORDER NO. R-22102, LEA COUNTY, NEW MEXICO.

CASE NO. 23247
ORDER NO. R-22101
ORDER NO. R-22102

SELF-AFFIRMED STATEMENT OF XUEYING XIE

1. My name is Xueying Xie and I am employed by Oxy USA Inc. ("OXY") as a reservoir engineer.

2. I previously testified before the New Mexico Oil Conservation Division as an expert witness in reservoir engineering for the hearings that resulted in the issuance of Orders R-22101 and R-22102.

3. I am familiar with the application filed by OXY in this case. As stated in my previous testimony, I conducted an engineering study of the reservoir to evaluate the potential effects of the proposed temporary injection on the reservoir and future production. I applied simulation modeling techniques to investigate gas movement in the injection zone and any potential impacts on production performance of the CLGC wells and direct offset wells. Reservoir modeling indicates the horizontal movement of injected gas is anticipated to

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C
Submitted by: OXY USA INC.
Hearing Date: April 06, 2023
Case No. 23427

be approximately 100 feet or less from each CLGC wellbore within the Bone Spring formation.

4. My analysis and conclusions were presented in affidavits and testimony related to aforementioned Orders. This testimony is intended to supplement my previous testimony. In summary, my analysis indicates there will be no change in the oil or gas recovery from each of its proposed injection wells or from any of the offsetting wells because of CLGC operations.

5. To determine if observed data invalidated any of my analysis or conclusions, I reviewed data obtained from recent storage events for the CLGC wells approved by these two Orders and compared it to the predictions from the model used in my analysis. Specifically, I reviewed well performance before and after the storage events and compared it to model predictions. My conclusion is that the model results presented in the previous hearings are still valid, that the total recoverable volume of hydrocarbons from the reservoir will not be adversely affected by this project and that CLGC injection will not have any effect on offsetting wells.

6. I calculated the expected gas storage capacity in the fracture network of the additional CLGC wells relative to the gas injection volumes from a worst-case injection scenario lasting 20 days. See **Exhibit A - pages 125 and 127 of 139**. As before, the anticipated gas injection volumes are considerably less than the estimated volume capacity for gas storage within the project area. I also compared the actual volume of gas injected during the May 23 – May 28, 2022, storage event to the fracture volume gas equivalent for the four wells currently permitted by Orders R-22101 and R-22102 and concluded that the injected gas volume is far

smaller than the fracture storage capacity and therefore unlikely to impact the reservoir, which is consistent with our model results. See **Exhibit A- page 127 of 139**.

7. I have also analyzed the impact of increasing the authorized maximum allowable surface injection pressure from 1200 psi to 1300 psi. Since the reservoir model was integrated with a PROSPER wellbore model, allowing predictions of injection rates at certain wellhead injection pressures, I compared the predicted injection rates at 1200 psi with the actual injection rates as shown in **Exhibit C-1 page 2 of 3**. While actual injection rates were slightly higher, the results are close to the predictions from the model, further enhancing our overall confidence in the model results. Re-running the model at 1300 psi indicates that a peak injection rate of 3.8 MMCFPD can be achieved by increasing surface injection pressure to 1300 psi, as shown on **Exhibit C-1 page 3 of 3**. It is my opinion that such an increase will have no discernable effect on the reservoir, nor will it change any of my conclusions stated above.

8. I have examined the available geologic and engineering data and found no evidence of open faults or other hydrologic connections between the injection zone and any underground source of drinking water.

9. Pages **115-127 of Exhibit A** and **Exhibit C-1** were either prepared by me or compiled under my direction and supervision.

10. 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 below.

Xueying Xie

Xueying Xie

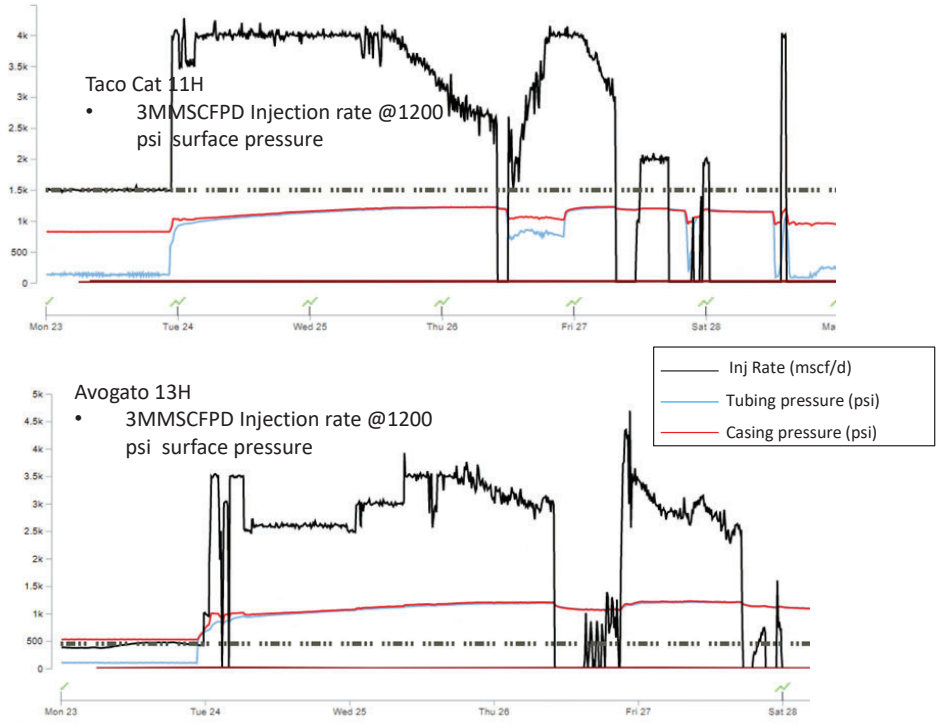
Apr. 3, 2023

Date

Reservoir Engineer Exhibits

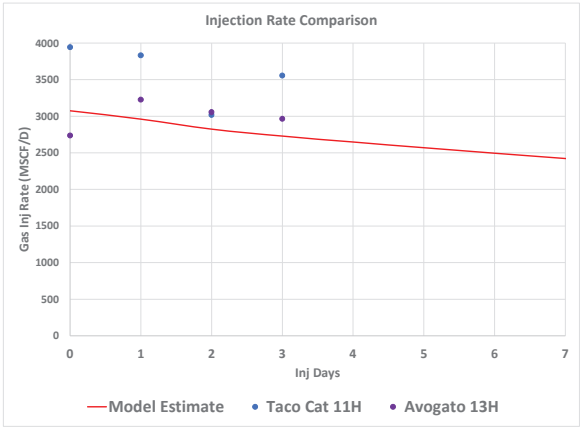
Injection Rates and Pressure (Actuals)

Taco Cat 11H
- 3MMSCFPD Injection rate @1200 psi surface pressure



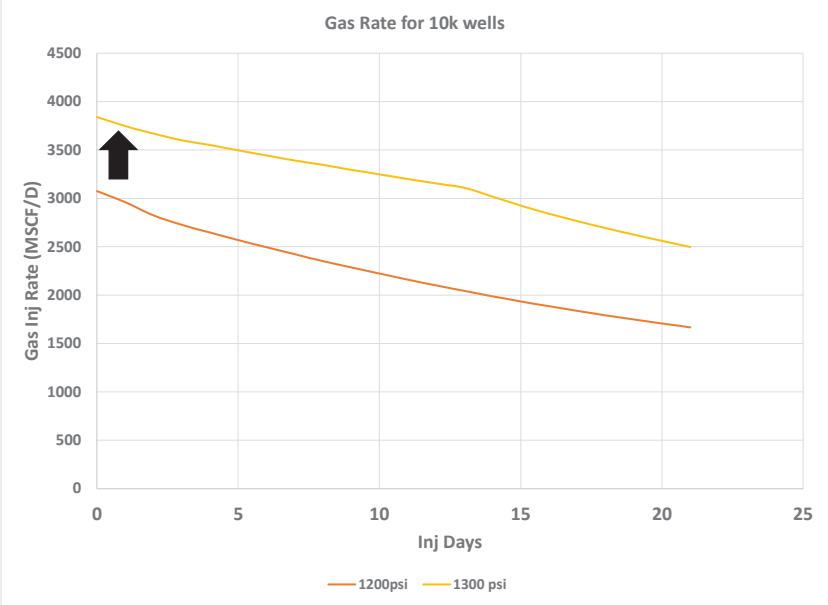
Avogato 13H
- 3MMSCFPD Injection rate @1200 psi surface pressure

Reservoir Model Comparison



- Storage injection rate data slightly above model prediction

Rates at Increased Pressure



- Based off modeling, peak injection rate can be increased to 3.8 MMCFPD by increasing surface injection pressure to 1300 psi.

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

APPLICATION OF OXY USA INC. TO AMEND ORDER NO. R-22101 TO EXPAND THE APPROVED CLOSED LOOP GAS CAPTURE INJECTION PILOT PROJECT AREA, ADD ADDITIONAL INJECTION WELLS, INCREASE THE MAXIMUM ALLOWABLE SURFACE INJECTION PRESSURE, EXTEND THE PILOT PROJECT FOR TWO YEARS, AND DISMISS ORDER NO. R-22102, LEA COUNTY, NEW MEXICO.

CASE NO. 23427

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 March 31, 2023.

4. I caused a notice to be published to all parties subject to these proceedings on March 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: OXY USA INC.
Hearing Date: April 06, 2023
Case No. 23427

SUBSCRIBED AND SWORN to before me this 4th of April, 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

March 17, 2023

VIA CERTIFIED MAIL
CERTIFIED RECEIPT REQUESTED

TO: ALL AFFECTED PARTIES

Re: Application of OXY USA Inc. to Amend Order No. R-22101 to Expand the Approved Closed Loop Gas Capture Injection Pilot Project Area, Add Additional Injection Wells, Increase the Maximum Allowable Surface Injection Pressure, Extend the Pilot Project for Two Years, and Dismiss Order No. R-22102, Lea County, New Mexico.

Ladies & Gentlemen:

This letter is to advise you that OXY USA Inc. has filed the enclosed application with the New Mexico Oil Conservation Division. A hearing has been requested before a Division Examiner on April 6, 2023, and the status of the hearing can be monitored through the Division's website at https://www.emnrd.nm.gov/ocd/.

During the COVID-19 Public Health Emergency, state buildings are closed to the public and 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 Stephen Janacek at 972-404-3722 or Stephen_Janacek@oxy.com.

Sincerely,

Adam G. Rankin
ATTORNEY FOR OXY USA INC.

TrackingNo	ToName	DeliveryAddress	City	State	Zip	USPS_Status
9402811898765831782063	Bureau of Land Mangment	301 Dinosaur Trl	Santa Fe	NM	87508-1560	Your item was delivered to the front desk, reception area, or mail room at 12:07 pm on March 22, 2023 in SANTA FE, NM 87508.
9402811898765831782025	State Land Office	PO Box 1148	Santa Fe	NM	87504-1148	Your item was picked up at a postal facility at 7:18 am on March 23, 2023 in SANTA FE, NM 87501.
9402811898765831782001	Marathon Oil Permian LLC	5555 San Felipe St	Houston	TX	77056-2701	Your item departed our USPS facility in ALBUQUERQUE, NM 87101 on March 29, 2023 at 9:03 pm. The item is currently in transit to the destination.
9402811898765831782094	Cimarex Energy Company of Colorado	600 N Marienfeld St Ste 600	Midland	TX	79701-4405	Your item was delivered to an individual at the address at 6:50 am on March 21, 2023 in MIDLAND, TX 79701.
9402811898765831782049	Matador Production Company	5400 Lbj Fwy Ste 1500 One Lincoln Centre	Dallas	TX	75240-1017	Your item was delivered to an individual at the address at 9:25 am on March 21, 2023 in DALLAS, TX 75240.
9402811898765831782087	EOG Resources Inc.	PO Box 840321	Dallas	TX	75284-0321	Your item has been delivered and is available at a PO Box at 6:43 pm on March 23, 2023 in DALLAS, TX 75260.
9402811898765831782032	Wagner Oil CO.	500 Commerce St Ste 600	Fort Worth	TX	76102-5477	Your item was delivered to an individual at the address at 2:47 pm on March 22, 2023 in FORT WORTH, TX 76102.
9402811898765831782070	2019 Permian Basin JV	PO Box 10	Folsom	LA	70437-0010	Your item was picked up at the post office at 10:54 am on March 24, 2023 in FOLSOM, LA 70437.
9402811898765831782414	A.J. Losee	PO Box 1720	Artesia	NM	88211-1720	Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.
9402811898765831782452	Accelerate Resources Operating LLC	7950 Legacy Dr Ste 500	Plano	TX	75024-4163	Your item was delivered to the front desk, reception area, or mail room at 11:11 am on March 21, 2023 in PLANO, TX 75024.
9402811898765831782469	Advance Energy Partners Hat Mesa LLC	11490 Westheimer Rd Ste 950	Houston	TX	77077-6841	Your item was delivered to an individual at the address at 3:43 pm on March 21, 2023 in HOUSTON, TX 77077.
9402811898765831782421	Anne Ransome-Losee	3505 Calle Cuervo NW Apt 218	Albuquerq	NM	87114-9212	Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.
9402811898765831782407	Arthur Dow	324 Yucca Dr NW	Albuquerq	NM	87105-1935	Your item was delivered to an individual at the address at 10:01 am on March 22, 2023 in ALBUQUERQUE, NM 87105.
9402811898765831782490	Black Mountain Operating LLC	500 Main St Ste 1200	Fort Worth	TX	76102-3926	Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.
9402811898765831782445	Bradley S. Bates	2400 N Pecos St	Midland	TX	79705-7652	Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.
9402811898765831782483	Buckeye Energy Inc.	PO Box 3788	Midland	TX	79702-3788	Your item departed our MIDLAND TX DISTRIBUTION CENTER destination facility on March 29, 2023 at 9:03 pm. The item is currently in transit to the destination.
9402811898765831782438	Bullhead Energy LLC	PO Box 3445	Midland	TX	79702-3445	Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.
9402811898765831782476	Burlington Resources Oil & Gas Co LP	PO Box 51810	Midland	TX	79710-1810	Your item was returned to the sender on March 28, 2023 at 10:27 am in MIDLAND, TX 79705 because the addressee moved and left no forwarding address.
9402811898765831782513	C. W. Trainer	PO Box 3788	Midland	TX	79702-3788	Your item departed our MIDLAND TX DISTRIBUTION CENTER destination facility on March 30, 2023 at 2:47 am. The item is currently in transit to the destination.
9402811898765831782551	Cal Mon Oil Company	200 N Loraine St Ste 1404	Midland	TX	79701-4753	Your item was delivered to the front desk, reception area, or mail room at 12:11 pm on March 21, 2023 in MIDLAND, TX 79701.
9402811898765831782568	Campeche Petro LP	500 Commerce St Ste 600	Fort Worth	TX	76102-5477	Your item was delivered to an individual at the address at 2:47 pm on March 22, 2023 in FORT WORTH, TX 76102.
9402811898765831782520	Cardinal Plastics Inc	PO Box 935	Odessa	TX	79760-0935	Your item has been delivered to an agent for final delivery in ODESSA, TX 79761 on March 20, 2023 at 5:53 pm.

9402811898765831782506	Carmine Scarcelli	2111 Wellington Ct	Midland	TX	79705-1700	Your item was delivered to an individual at the address at 2:27 pm on March 21, 2023 in MIDLAND, TX 79705.
9402811898765831782599	Carrie A. Haydel	149 14th St	New Orlea	LA	70124-1209	Your item was delivered to an individual at the address at 4:34 pm on March 20, 2023 in NEW ORLEANS, LA 70124.
9402811898765831782544	Chevron USA Inc.	1400 Smith St	Houston	TX	77002-7327	Your item was picked up at a postal facility at 10:41 am on March 27, 2023 in HOUSTON, TX 77002.
9402811898765831782582	Chevron USA Inc.	6301 Deauville	Midland	TX	79706-2964	Your item was delivered to an individual at the address at 3:03 pm on March 20, 2023 in MIDLAND, TX 79706.
9402811898765831782537	Conrad E Coffield	500 Rodeo Rd Apt 202	Santa Fe	NM	87505-6353	Your item was returned to the sender on March 20, 2023 at 2:32 pm in SANTA FE, NM 87505 because the addressee was not known at the delivery address noted on the package.
9402811898765831782575	Devon Energy Production Company LP	333 W Sheridan Ave	Oklahoma	OK	73102-5010	Your item was picked up at a postal facility at 8:27 am on March 20, 2023 in OKLAHOMA CITY, OK 73102.
9402811898765831780250	Diance C. Prince	816 Connecticut Ave NW	Washingtc	DC	20006-2705	The forward on your item was processed at 11:19 am on March 25, 2023 in WASHINGTON, DC 20037. The item is on its way to the destination.
9402811898765831780267	Elizabeth Losee	328 Sierra Pl NE	Albuquerq	NM	87108-1139	Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.
9402811898765831780205	Frederick Prince IV	816 Connecticut Ave NW	Washingtc	DC	20006-2705	Your item was picked up at a postal facility at 6:46 pm on March 22, 2023 in WASHINGTON, DC 20037.
9402811898765831780298	Highpoint Operating Corp.	216 16th St Ste 1100	Denver	CO	80202-5115	Your item was returned to the sender at 3:36 pm on March 27, 2023 in DENVER, CO 80202 because the forwarding order for this address is no longer valid.
9402811898765831780281	Jesus Salazar Family LP	2400 Rose Ave NW	Albuquerq	NM	87104-1942	This is a reminder to arrange for redelivery of your item or your item will be returned to sender.
9402811898765831780236	John Blackburn	PO Box 340535	Austin	TX	78734-0009	This is a reminder to pick up your item before April 4, 2023 or your item will be returned on April 5, 2023. Please pick up the item at the AUSTIN, TX 78734 Post Office.
9402811898765831780274	Judith K Martin	25 Lakes Dr	Midland	TX	79705-1929	Your item was delivered to an individual at the address at 12:58 pm on March 20, 2023 in MIDLAND, TX 79705.
9402811898765831780816	Kastman Oil Company	PO Box 5930	Lubbock	TX	79408-5930	Your item has been delivered to an agent for final delivery in LUBBOCK, TX 79408 on March 22, 2023 at 7:24 am.
9402811898765831780854	Kent H. Berger	203 W Wall St Ste 612	Midland	TX	79701-4555	Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.
9402811898765831780823	Lewis O. Campell	8111 Lamp Post Cir SE	Albuquerq	NM	87123	Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.
9402811898765831780809	Losee Investments	PO Box 1720	Artesia	NM	88211-1720	Your item was picked up at the post office at 10:57 am on March 21, 2023 in ARTESIA, NM 88210.
9402811898765831780847	Lynn S. Charulk	2401 Stutz Pl	Midland	TX	79705-4931	Your item departed our USPS facility in OKLAHOMA CITY OK DISTRIBUTION CENTER on March 29, 2023 at 5:12 pm. The item is currently in transit to the destination.
9402811898765831780885	Mackenroth Interests LLC	3601 N. I-40 Service Rd. West	Martairie	LA	70002	Your item was picked up at the post office at 10:06 am on March 23, 2023 in METAIRIE, LA 70002.
9402811898765831780830	MCM Permian LLC	PO Box 1540	Midland	TX	79702-1540	This is a reminder to pick up your item before April 4, 2023 or your item will be returned on April 5, 2023. Please pick up the item at the MIDLAND, TX 79702 Post Office.
9402811898765831780878	McNic O&G Properties	1360 Post Oak Blvd	Houston	TX	77056-3030	Your item arrived at the HOUSTON, TX 77056 post office at 8:03 pm on March 28, 2023 and is ready for pickup.
9402811898765831780717	MRC Permian Co.	5400 Lbj Fwy Ste 1500	Dallas	TX	75240-1017	Your item was delivered to an individual at the address at 10:13 am on March 20, 2023 in DALLAS, TX 75240.

9402811898765831780755	PBEX Resources	223 W Wall St Ste 900	Midland	TX	79701-4567	Your item was delivered to an individual at the address at 1:29 pm on March 21, 2023 in MIDLAND, TX 79701.
9402811898765831780762	Penwell Energy Inc.	600 N Marienfeld St Ste 1100	Midland	TX	79701-4395	Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.
9402811898765831780724	Pioneer Exploration Ltd.	15603 Kuykendahl Rd Ste 219	Houston	TX	77090-3655	Your item departed our NORTH HOUSTON TX DISTRIBUTION CENTER destination facility on March 29, 2023 at 12:44 pm. The item is currently in transit to the destination.
9402811898765831780700	PXP Producing LLC	717 Texas St Ste 2100	Houston	TX	77002-2753	Your item arrived at the SANTA FE, NM 87501 post office at 1:09 pm on March 27, 2023 and is ready for pickup.
9402811898765831780793	Robert M. Dow Revocable Trust	5136 Lomas De Atrisco Rd NW	Albuquerq	NM	87105-1569	Your item was picked up at the post office at 9:09 am on March 21, 2023 in ALBUQUERQUE, NM 87105.
9402811898765831780748	SDS Properties Inc	PO Box 246	Roswell	NM	88202-0246	Your item was picked up at the post office at 1:24 pm on March 21, 2023 in ROSWELL, NM 88201.
9402811898765831780786	Sealy Hutchings Cavin Inc.	504 N Wyoming Ave	Roswell	NM	88201-2169	This is a reminder to arrange for redelivery of your item or your item will be returned to sender.
9402811898765831780731	Silverstone Resources Inc	106 Row Three	Lafayette	LA	70508-4320	Your item was delivered to an individual at the address at 5:11 pm on March 23, 2023 in LAFAYETTE, LA 70508.
9402811898765831780779	South Highway 14 Bus Co	324 Yucca Dr NW	Albuquerq	NM	87105-1935	Your item was delivered to an individual at the address at 10:01 am on March 22, 2023 in ALBUQUERQUE, NM 87105.
9402811898765831780915	Southwest Royalties Inc	6 Desta Dr Ste 3700	Midland	TX	79705-5516	Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.
9402811898765831780953	Strata Production Co	PO Box 1030	Roswell	NM	88202-1030	Your item was picked up at the post office at 11:02 am on March 27, 2023 in ROSWELL, NM 88201.
9402811898765831780960	The Gray Exploration Co	3601 N. I-40 Service Rd. West	Martairie	LA	70002	Your item was picked up at the post office at 10:15 am on March 22, 2023 in METAIRIE, LA 70002.
9402811898765831780922	The Ninety-Six Corp	550 W Texas Ave unit 1225	Midland	TX	79701-4257	Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.
9402811898765831780908	Tocor Investments Inc	PO Box 293	Midland	TX	79702-0293	Your item was picked up at the post office at 1:23 pm on March 22, 2023 in MIDLAND, TX 79701.
9402811898765831780991	Trainer Partners Ltd	PO Box 3788	Midland	TX	79702-3788	Your item was forwarded to a different address at 8:20 am on March 22, 2023 in MIDLAND, TX. This was because of forwarding instructions or because the address or ZIP Code on the label was incorrect.
9402811898765831780946	Warwick-Artemis LLC	6608 N Western Ave	Oklahoma	OK	73116-7326	Your item was delivered to the front desk, reception area, or mail room at 9:15 am on March 22, 2023 in OKLAHOMA CITY, OK 73116.
9402811898765831780984	XTO Energy Inc.	22777 Springwoods Village Pkwy	Spring	TX	77389-1425	Your item was delivered to an individual at the address at 9:47 am on March 24, 2023 in SPRING, TX 77389.
9402811898765831780977	XTO Holdings LLC	PO Box 840780	Dallas	TX	75284-0780	Your item has been delivered and is available at a PO Box at 6:43 pm on March 23, 2023 in DALLAS, TX 75260.

Affidavit of Publicati

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 th the clipping attached hereto was publish in the regular and entire issue of said newspaper, and not a supplement there for a period of 1 issue(s).

Beginning with the issue dated
March 22, 2023
and ending with the issue dated
March 22, 2023.

Publisher

Sworn and subscribed to before me this 22nd day of March 2023.

Business Manager

My commission expires
January 29, 2027
(Seal)

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

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. E
Submitted by: OXY USA INC.
Hearing Date: April 06, 2023
Case No. 23427

LEGAL NOTICE
March 22, 2023

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 case. The hearing will be conducted remotely on **Thursday, April 6, 2023, beginning at 8:15 a.m.** To participate in the electronic hearing, see the instructions posted below. The docket may be viewed at https://www.emnrd.nm.gov/ocd/hearing-info/ or obtained from Marlene Salvidrez, at Marlene.Salvidrez@emnrd.nm.gov. Documents filed in the case 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 Marlene Salvidrez at Marlene.Salvidrez@emnrd.nm.gov, or the New Mexico Relay Network at 1-800-659- 1779, no later than **March 26, 2023**.

Persons may view and participate in the hearings through the following link:

https://nmemnrd.webex.com/nmemnrd/j.php?MTID=m649446d197c12fc21c1cc13fb9d6afa3 Webinar number: 2491 510 1304

Join by video system: 24915101304@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: 2491 510 1304

Panelist password: SVm35WY9Z6G (78635999 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 parties, including: Bureau of Land Management; State Land Office; Marathon Oil Permian LLC; Matador Production Company; EOG Resources Inc.; Wagner Oil Co.; 2019 Permian Basin JV; A.J. Losee, his or her heirs and devisees; Accelerate Resources Operating LLC; Advance Energy Partners Hat Mesa LLC; Anne Ransome- Losee, her heirs and devisees; Arthur Dow, his heirs and devisees; Black Mountain Operating LLC; Bradley S. Bates, his heirs and devisees; Buckeye Energy Inc.; Bullhead Energy LLC; Burlington Resources Oil & Gas Co LP; C. W. Trainer, his or her heirs and devisees; Cal Mon Oil Company; Campeche Petro LP; Cardinal Plastics Inc; Carmine Scarcelli, his heirs and devisees; Carrie A. Haydel, her heirs and devisees; Chevron USA Inc.; Conrad E. Coffield, his heirs and devisees; Devon Energy Production Company LP; Diance C. Prince, her heirs and devisees; Elizabeth Losee, her heirs and devisees; Frederick Prince IV, his heirs and devisees; Highpoint Operating Corp.; Jesus Salazar Family LP; John Blackburn, his heirs and devisees; Judith K Martin, her heirs and devisees; Kastman Oil Company; Kent H. Berger, his heirs and devisees; Lewis O. Campell, his heirs and devisees; Losee Investments; Lynn S. Charulk, her heirs and devisees; Mackenroth Interests LLC; MCM Permian LLC; McNic O&G Properties; MRC Permian Co.; PBEX Resources; Penwell Energy Inc.; Pioneer Exploration Ltd.; PXP Producing LLC; Robert M. Dow Revocable Trust; SDS PROPERTIES INC; Sealy Hutchings Cavin Inc.; Silverstone Resources Inc; South Highway 14 Bus Co; Southwest Royalties Inc; Strata Production Co; The Gray Exploration Co; The Ninety-Six Corp; Tocor Investments Inc.; Trainer Partners LTD; Warwick-Artemis LLC; XTO Energy Inc.; and XTO HOLDINGS LLC.

Case No. 23427: Application of OXY USA Inc. to Amend Order No. R-22101 to Expand the Approved Closed Loop Gas Capture Injection Pilot Project Area, Add Additional Injection Wells, Increase the Maximum Allowable Surface Injection Pressure, Extend the Pilot Project for Two Years, and Dismiss Order No. R-22102, Lea County, New Mexico. Applicant in the above-styled cause seeks for an order amending Order No. R-22101 to (1) expand the approved closed loop gas capture injection project area; (2) authorize eleven additional injection wells for intermittent, temporary produced gas injection within the Bone Spring formation; (3) increase the authorized maximum allowable surface injection pressure from 1,200 psi to 1,300 psi; and (4) extend the pilot project, and all deadlines under Order No. R-22101, for an additional two years from issuance of an order in this case. All other terms and provisions in Order No. R-22101 are proposed remain unchanged. Because the proposed expansion of the pilot project area in Order No. R-22101 includes the project area and wells authorized for injection in Order No. R-22102, OXY seeks to dismiss Order No. R-22102. OXY also seeks authority to occasionally inject produced gas authorized for commingling under PLC-835-A into the Bone Spring formation [Red Tank; Bone Spring, East Pool (Pool Code 51687)] through the wells previously authorized under Order Nos. R-22101 and R-22102, as well as the following additional wells:
Taco Cat 27-34 Federal Com #21H well (API No. 30-025-44934), with a surface location NW/4 NW/4 (Unit D) in Section 27, and a bottom hole location SW/4 SW/4 (Unit M) in Section 34;
Red Tank 30 31 State Com #24Y (API No. 30-025-44161) with a surface location NE/4 NE/4 (Unit A) in Section 30, and a bottom hole location SE/4 SE/4 (Unit P) in Section 31;
Red Tank 30 31 State Com #14H (API No. 30-025-44193) with a surface location NE/4 NE/4 (Unit A) in Section 30, and a bottom hole location SE/4 SE/4 (Unit P) in Section 31;
Avogato 30 31 State Com #4H well (API No. 30-025-45923), with a surface location NE/4 NE/4 (Unit A) in Section 30, and a bottom hole location SE/4 SE/4 (Unit P) in Section 31;
Avogato 30 31 State Com #12H well (API No. 30-025-45957), with a surface location NW/4 NW/4 (Lot 1) in Section 30, and a bottom hole location SE/4 SW/4 (Unit N) in Section 31;
Avogato 30 31 State Com #21H well (API No. 30-025-45924), with a surface location NE/4 NW/4 (Unit C) in Section 30, and a bottom hole location SW/4 SW/4 (Lot 4) in Section 31;
Avogato 30 31 State Com #22H well (API No. 30-025-45925), with a surface location NE/4 NW/4 (Unit C) in Section 30, and a bottom hole location SE/4 SW/4 (Unit N) in Section 31;
Avogato 30 31 State Com #23H well (API No. 30-025-45926), with a surface location NE/4 NW/4 (Unit C) in Section 30, and a bottom hole location SE/4 SW/4 (Unit N) in Section 31;
Avogato 30 31 State Com #24H well (API No. 30-025-45960), with a surface location NW/4 NE/4 (Unit B) in Section 30, and a bottom hole location SW/4 SE/4 (Unit O) in Section 31;
Avogato 30 31 State Com #25H well (API No. 30-025-45961), with a surface location NW/4 NE/4 (Unit B) in Section 30, and a bottom hole location SE/4 SE/4 (Unit P) in Section 31; and
Avogato 30 31 State Com #74H well (API No. 30-025-45964), with a surface location NE/4 NE/4 (Unit A) in Section 30, and a bottom hole location SE/4 SE/4 (Unit P) in Section 31.

OXY seeks authority to utilize these producing wells to occasionally inject produced gas into the Bone Spring formation at total vertical depths of between approximately 9,330 feet to 10,959 feet along the horizontal portion of each wellbore at surface injection pressures of no more than 1,300 psi. The source of the produced gas will be Bone Spring and Wolfcamp formations. The subject acreage is located approximately 30 miles northwest of Jal, New Mexico.
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