

**BEFORE THE OIL CONSERVATION DIVISION
EXAMINER HEARING AUGUST 6, 2026**

CASE No. 26298

*RED TANK TACO CAT RE-FILE - 11H & 21H
AMEND ORDER R-24146*

LEA COUNTY, NEW MEXICO



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

**APPLICATION OF OXY USA INC. TO AMEND
ORDER NO. R-24146 TO RE-AUTHORIZE CERTAIN
WELLS UNDER THE ORIGINAL ORDER AND
EXTEND THE PILOT PROJECT FOR TWO YEARS,
LEA COUNTY, NEW MEXICO.**

**CASE NO. 26298
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 - Cross-Section
 - Offset Observation Wells & Proposed Plan
- **OXY Exhibit E:** Self-Affirmed Statement of Notice
- **OXY Exhibit F:** Affidavit of Publication

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

**APPLICATION OF OXY USA INC. TO AMEND
ORDER NO. R-24146 TO RE-AUTHORIZE CERTAIN
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LEA COUNTY, NEW MEXICO.**

**CASE NO. 26298
ORDER NO. R-24146**

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-24146 to (1) re-authorize certain wells under the original order; and (2) extend the pilot project, and all deadlines under Order No. R-24146, for an additional two years from issuance of an order in this case. In support of this application, OXY states:

PROJECT OVERVIEW

1. The Division approved Order No. R-24146 on December 14, 2025 in Case No. 25287, which superseded Order R-22101-A (amended original order). Under Order No. R-24146, the approved closed loop gas capture (“CLGC”) injection pilot project (“Pilot Project”) area was expanded. In addition, two additional wells were authorized for intermittent, temporary injection of produced gas within the Bone Spring formation within the project area, and an increase of the maximum allowable surface injection pressure for the two additional wells was authorized.

2. However, Order No. R-24146 rescinded approval of the W/2 Avalon wells because the Mule Deer 36 State No. 4 (API. No. 30-025-33107) was plugged & abandoned (“P&A”) and no longer available for monitoring as required by the Division under the terms of the order.

**BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A
Submitted by: OXY USA INC.
Hearing Date: August 6, 2026
Case No. 26298**

3. OXY now requests re-authorization of the Avogato 30_31 State Com 12H (API No. 30-025-45957) and Avogato 30_31 State Com 13H (API No. 30-025-45958). OXY proposes to use the Avogato 30_31 State Com 11H (API No. 30-025-45956) as a pressure sink well between the requested re-authorization CLGC wells, along with the offset sub-standard P&A wellbores to the West of the project area. The proposed configuration will greatly reduce the chance of out-of-the-zone injection into offset wellbores during CLGC events. *See Exhibit A* at 1.

4. OXY seeks re-authorization of the above-referenced wells to avoid the temporary flaring of gas or the shut-in of producing wells during pipeline capacity constraints, mechanical difficulties, plant shutdowns, or other events impacting the ability to deliver gas into a pipeline.

5. Within the Pilot Project area, OXY seeks authority to utilize the following wells to occasionally inject produced gas into the Avalon formation under Order No. R-24146:

- **Avogato 30_31 State Com 12H** well (API No. 30-025-45957), with a surface location in Lot 1 (NW/4 NW/4 equivalent) of irregular Section 30, T22S-R33E, and a bottom hole location in Lot 4 (SW/4 SW/4 equivalent) of irregular Section 31, T22S-R33E; and
- **Avogato 30_31 State Com 13H** well (API No. 30-025-45958), with a surface location in the NW/4 NE/4 (Unit B) of irregular Section 30, T22S-R33E, and a bottom hole location in the SE/4 SW/4 (Unit N) of irregular Section 31, T22S-R33E. *See Exhibit A* at 5-6.

6. The proposed average injection rate for each re-authorization well is 3 MMSCFD with a maximum injection rate of 4 MMSCFD during injection. *See Exhibit A* at 11.

7. The maximum achievable surface pressure (MASP) for the re-authorization wells is proposed to be 1,300 psi. *See Id.* The current average surface pressures under normal operations for the proposed re-authorization injection wells range between approximately 540 psi and 921 psi. *See Id.*

8. Injection along the horizontal portion of the wellbores will be within the Avalon formation [Red Tank; Bone Spring, East Pool (Pool Code 51687)], at the following approximate true vertical depths:

- **Avogato 30-31 State Com 12H** well between 10,409 feet and 20,984 feet.
- **Avogato 30-31 State Com 13H** well between 9,396 feet to 9,397 feet.

See Exhibit A at 7-10.

9. A map and process flow diagram depicting the pipeline that ties the re-authorization wells proposed for the Pilot Project into the gathering system and the affected compressor stations are included in the attached **Exhibit A** at pages 3-4.

WELL DATA

10. Information on the well data, including well diagrams and well construction, casing, tubing, packers, cement, perforations, and other details for the re-authorization injection wells are included in the attached **Exhibit A** at pages 7-10.

11. For the re-authorization injection wells, the proposed maximum achievable surface pressure will not exert pressure at the top perforations in the wellbores 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 11. In addition, the proposed maximum achievable surface pressure will not exert pressure at the topmost perforation in excess of 90% of the formation parting pressure. *See Id.*

12. Cement bond logs¹ for each of the re-authorization injection wells demonstrate the placement of cement in the wells proposed for this Pilot Project and that there is a good and

¹ Electronic versions of the cement bond logs have been or will be submitted to the Division through each well file.

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

13. The **Avogato 30-31 State Com 12H** recently demonstrated mechanical integrity; however, OXY will undertake new tests to demonstrate mechanical integrity for both re-authorization wells proposed for this Pilot Project as a condition of approval prior to commencing injection operations. *See Exhibit A* at 12.

GEOLOGY AND RESERVOIR

14. Data and a geologic analysis confirming that the Avalon formation is suitable for the proposed Pilot Project is included in **Exhibit A** at pages 29-33. A general characterization of the geology of the Avalon 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. *See Exhibit A* at 34.

15. The top of the Bone Spring formation in this area is at approximately 8,596 feet measured depth and extends down to the top of the Wolfcamp formation. *See Exhibit A* at 29.

16. Zones that are productive of oil and gas are located above and below the targeted injection interval. *See Exhibit A* at 29-34.

17. Reservoir modeling indicates anticipated horizontal movement of injected gas will be approximately 100 feet or less from each injection wellbore within the Avalon formation. *See Exhibit A* at 37-46.

18. 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 43-48. OXY's analysis concludes that there will be no

change in the oil recovery from each of its proposed re-authorization injection wells or from any of the offsetting wells. *See Exhibit A* at 49.

19. The source of gas for injection will be from OXY's wells producing from the Bone Spring and Wolfcamp formations that are identified in the list of wells in **Exhibit A** at page 13. All proposed temporary injection wells and gas source wells are commingled under the approved gas surface commingling permit PLC-835-A. Additional source wells may be added over time under an approved surface commingling authorization. Each of OXY's proposed injection wells are operated by OXY.

20. OXY has prepared an analysis of the composition of the source gas for injection and a corrosion prevention plan.² *See Exhibit A* at 14-18.

21. 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 35. OXY has also examined the available geologic and engineering data and determined that the total recoverable volume of hydrocarbons from the reservoir will not be adversely affected by the Pilot Project. *See Exhibit A* at 49.

GAS ALLOCATION

28. OXY's proposes a method of gas allocation following a temporary injection event has been previously approved by the Division under Order R-24146 and previous orders.

² There have been no changes to the original corrosion prevention plan submitted in Case No. 22088. *See* Case No. 22088, Application at page 55.

AREA OF REVIEW

22. OXY has prepared maps depicting the surface hole location and trajectory of the proposed re-authorization injection wells, the location of every well within a two-mile radius, leases within two miles, and the half-mile area of review. *See Exhibit A* at pages 19-24.

23. A tabulation of data for wells that penetrate the proposed injection interval or the confining layer within the half-mile area of review is included in **Exhibit A** at pages 25-28. Wellbore schematics for wells that are plugged and abandoned or temporarily abandoned were submitted in Case No. 25287. *See Case No. 25287, Application* at pages 43-64.

OPERATIONS AND SAFETY

24. OXY plans to monitor injection and operational parameters for the Pilot Project using an automated supervisory control and data acquisition (SCADA) system with pre-set alarms and automatic shut-in safety valves that will prevent injection pressures from exceeding the MASP.³ OXY will also monitor and track various operational parameters at the Pilot Project's central tank battery and central gas lift compressors.⁴

25. 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 list of the affected parties subject to notice is included in **Exhibit A** at 52-54, along with a map and list identifying each tract subject to notice. *See Exhibit A* at 51.

³ There have been no changes to the original monitoring plans submitted in Case No. 22088. *See Case No. 22088, Application* at pages 57-58.

⁴ *See Id.*

26. Approval of this Pilot Project 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 July 9, 2026, and that after notice and hearing this Application be approved.

Respectfully submitted,

HOLLAND & HART LLP

By:  _____

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pmvance@hollandhart.com
arstarnes@hollandhart.com

ATTORNEYS FOR OXY USA INC.

CASE _____:

Application of OXY USA Inc. to Amend Order No. R-24146 to Re-Authorize Certain Wells Under the Original Order and Extend the Pilot Project for Two Years, Lea County, New Mexico. Applicant seeks an order amending Order No. R-24146 to (1) re-authorize certain wells under the original order; and (2) extend the pilot project, and all deadlines under Order No. R-24146, for an additional two years from issuance of an order in this case. The Pilot Project area is comprised of 2,533.28-acres, more or less, consisting of the following acreage identified below in Lea County, New Mexico (the "Project Area"):

Township 22 South, Range 32 East

Section 27 All

Section 34 All

Township 22 South, Range 33 East

Section 30 Lots 1-4, E/2 W/2, & E/2 (All equivalent)

Section 31 Lots 1-4, E/2 W/2, & E/2 (All equivalent)

Applicant proposes to occasionally inject produced gas from the Bone Spring and Wolfcamp formations into the following additional producing wells to avoid temporary flaring of gas or the shut-in of producing wells during pipeline capacity constraints, mechanical difficulties, plant shutdowns, or other events impacting the ability to deliver gas into a pipeline:

- **Avogato 30_31 State Com 12H** well (API No. 30-025-45957), with a surface location in Lot 1 (NW/4 NW/4 equivalent) of irregular Section 30, T22S-R33E, and a bottom hole location in Lot 4 (SW/4 SW/4 equivalent) of irregular Section 31, T22S-R33E;
- **Avogato 30_31 State Com 13H** well (API No. 30-025-45958), with a surface location in the NW/4 NE/4 (Unit B) of irregular Section 30, T22S-R33E, and a bottom hole location in the SE/4 SW/4 (Unit N) of irregular Section 31, T22S-R33E.

OXY seeks authority to inject produced gas into the Avalon formation through these additional wells at a depth of between approximately 9,339 feet to 10,849 feet along the horizontal portion of each wellbore at surface injection pressures of no more than 1,300 psi and a maximum injection rate of 4 MMSCF per day. The subject acreage is located approximately 35 miles east of Carlsbad, New Mexico.



GENERAL PROJECT DESCRIPTION: CLOSED LOOP GAS CAPTURE (CLGC) PROJECT

OXY- 2026 RED TANK RE-AUTHORIZATION

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.

Summary of Requested Relief

1. Re-Authorization to operate a CLGC project consisting of two additional wells. The project will help to prevent waste and reduce adverse impacts from temporary interruptions of gas pipeline capacity.
2. 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.

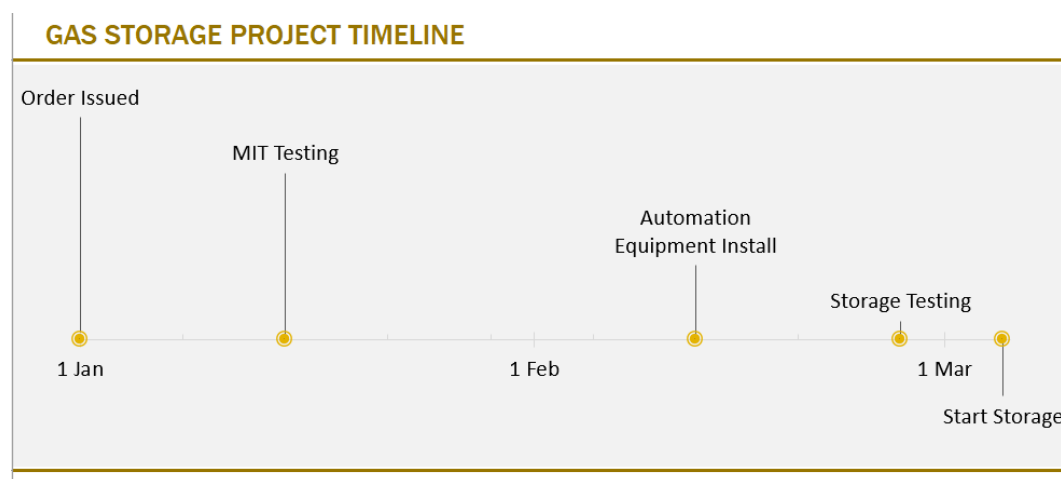
Wells

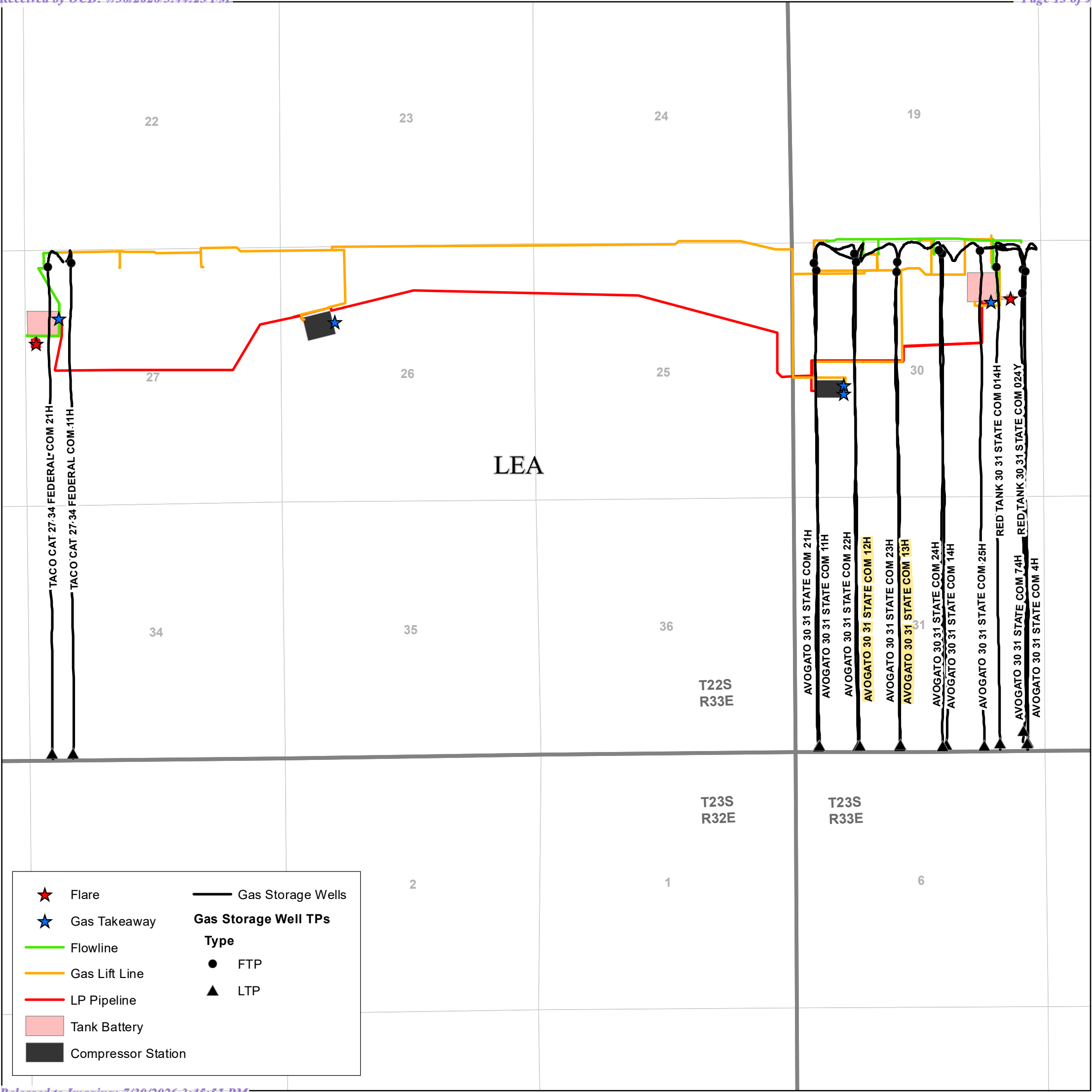
Oxy proposes to re-authorize CLGC in two wells:

API10	Well Name	Status
30-025-45957	Avogato 30 31 State #012H	Active Producer
30-025-45958	Avogato 30 31 State #013H	Active Producer

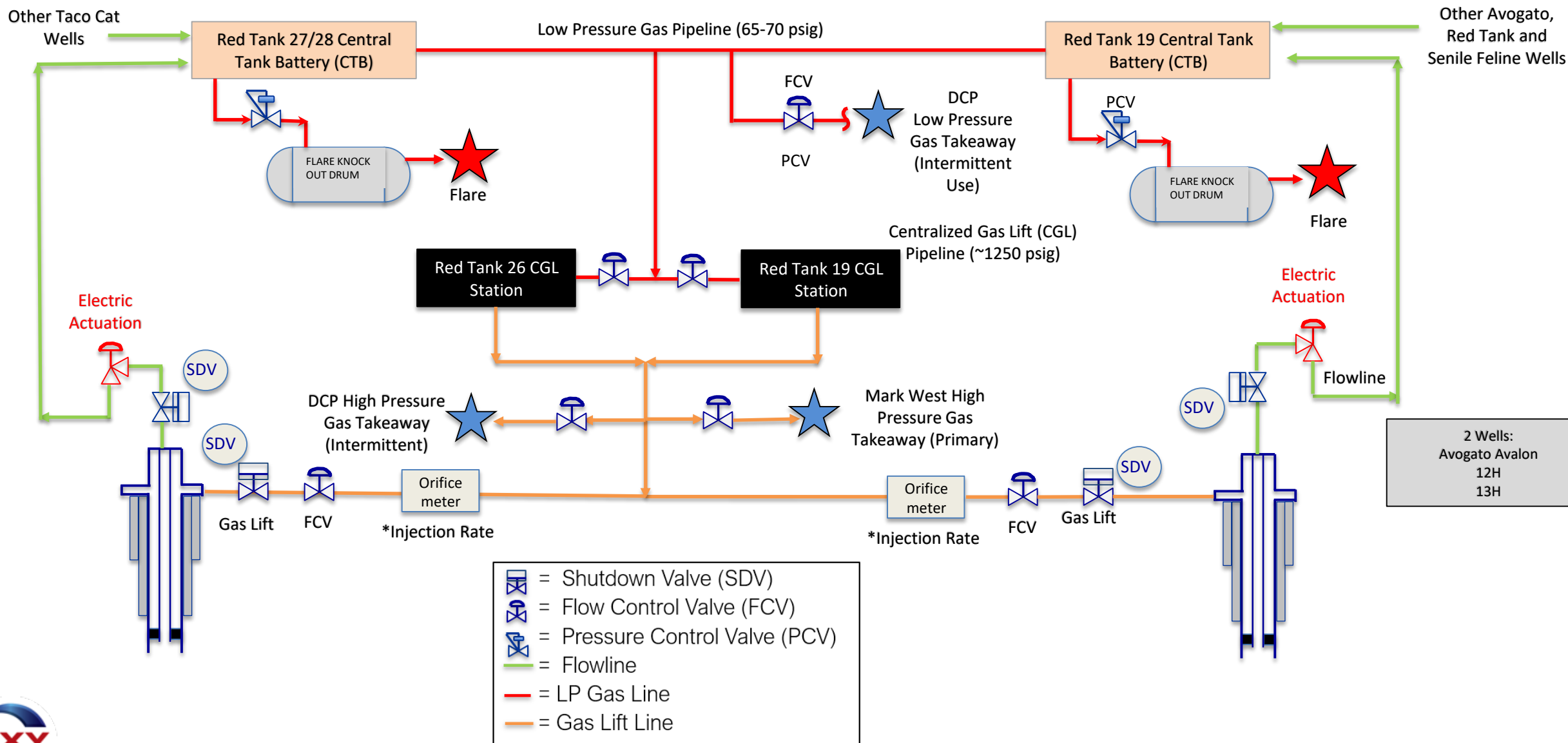
Timeline

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.





Red Tank Process Flow Diagram



HOBBS OCD

DISTRICT I
1020 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 333-6181 Fax: (505) 333-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-0720

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

FEB 28 2020

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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 30-025-45957		Pool Code 51687	Pool Name RED TANK; BONE SPRING; EAST
Property Code 325625	Property Name AVOGATO 30_31 STATE COM		Well Number 12H
GRID No. 16696	Operator Name OXY USA, INC.		Elevation 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

GRID AZ. - 73°56'09" HORZ. DIST. - 405.0' <u>SURFACE LOCATION</u> Y=498951.9 N X=762556.6 E LAT.=32.369653° N LONG.=103.616814° W * ALL COORDINATES ARE NAD 83 VALUES <u>BOTTOM HOLE LOCATION</u> LTP	KOP FIP <table border="1"> <thead> <tr> <th colspan="2">POINT LEGEND</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Y=499107.0 N X=761635.4 E</td> </tr> <tr> <td>2</td> <td>Y=493826.8 N X=761673.4 E</td> </tr> <tr> <td>3</td> <td>Y=491187.3 N X=761692.6 E</td> </tr> <tr> <td>4</td> <td>Y=488547.8 N X=761711.3 E</td> </tr> <tr> <td>5</td> <td>Y=488562.6 N X=764238.7 E</td> </tr> <tr> <td>6</td> <td>Y=493844.2 N X=764203.2 E</td> </tr> <tr> <td>7</td> <td>Y=499120.5 N X=764165.7 E</td> </tr> </tbody> </table>	POINT LEGEND		1	Y=499107.0 N X=761635.4 E	2	Y=493826.8 N X=761673.4 E	3	Y=491187.3 N X=761692.6 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 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. <i>[Signature]</i> 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 <i>[Signature]</i> 4/3/19 Certificate No. CHAD HARCROW 17777 W.O. # 19-471 DRAWN BY: AM
POINT LEGEND																		
1	Y=499107.0 N X=761635.4 E																	
2	Y=493826.8 N X=761673.4 E																	
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1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
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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 30-025-45958	Pool Code 51683 51687	Pool Name RED TANK; BONE SPRING, BAY
Property Code 325625	Property Name AVOGATO 30_31 STATE COM	Well Number 13H
OGRID No. 16696	Operator Name OXY USA, INC.	Elevation 3691.5'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	30	22-S	33-E		160	NORTH	2375	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
N	31	22-S	33-E		17	SOUTH	2905	EAST	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

KOP 97' FNL & 2832' FEL LAT.:32.36983 LONG.:103.61223 LTP 657' FNL & 2976' FEL LAT.:33.36829 LONG.:103.61270 BOTTOM HOLE LOCATION 17' FSL & 2905' FEL LAT.:32.36112 LONG.:103.61269	LOT 1 36.66 Ac LOT 2 36.67 Ac LOT 3 36.68 Ac LOT 4 36.67 Ac LOT 1 36.71 Ac LOT 2 36.66 Ac LOT 3 36.63 Ac LOT 4 36.60 Ac SECTION 30 SECTION 31 GRID AZ. - 280°01'21" HORZ. DIST. - 613.3' GRID AZ. - 179°35'18" HORZ. DIST. - 10488.3' HORIZONTAL SPACING UNIT 17' B.H. 2905'	SURFACE LOCATION Y=498961.9 N X=764429.7 E LAT.=32.369646° N LONG.=103.610748° W * ALL COORDINATES ARE NAD 83 VALUES <table border="1"> <thead> <tr> <th colspan="2">POINT LEGEND</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Y=499107.0 N X=761635.4 E</td> </tr> <tr> <td>2</td> <td>Y=493828.6 N X=761673.4 E</td> </tr> <tr> <td>3</td> <td>Y=491187.3 N X=761892.6 E</td> </tr> <tr> <td>4</td> <td>Y=488547.8 N X=761711.3 E</td> </tr> <tr> <td>5</td> <td>Y=488562.8 N X=764238.7 E</td> </tr> <tr> <td>6</td> <td>Y=493844.2 N X=764203.2 E</td> </tr> <tr> <td>7</td> <td>Y=499120.5 N X=764185.7 E</td> </tr> </tbody> </table> LTP 130' FSL & 2906' FEL LAT.:32.36115 LONG.:103.61269	POINT LEGEND		1	Y=499107.0 N X=761635.4 E	2	Y=493828.6 N X=761673.4 E	3	Y=491187.3 N X=761892.6 E	4	Y=488547.8 N X=761711.3 E	5	Y=488562.8 N X=764238.7 E	6	Y=493844.2 N X=764203.2 E	7	Y=499120.5 N X=764185.7 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. Signature: <i>Roni Mathew</i> Date: 11/11/19 Printed Name: RONI MATHEW E-mail Address: RONI.MATHEW@OXY.COM 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 LICENSED PROFESSIONAL SURVEYOR 17777 Chad L. Harcrow 4/5/19 Certificate No. CHAD HARCROW 17777 W.O. # 19-472 DRAWN BY: WN
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7	Y=499120.5 N X=764185.7 E																		

Side 1

INJECTION WELL DATA SHEET

OPERATOR: _____

WELL NAME & NUMBER: _____

WELL LOCATION: _____

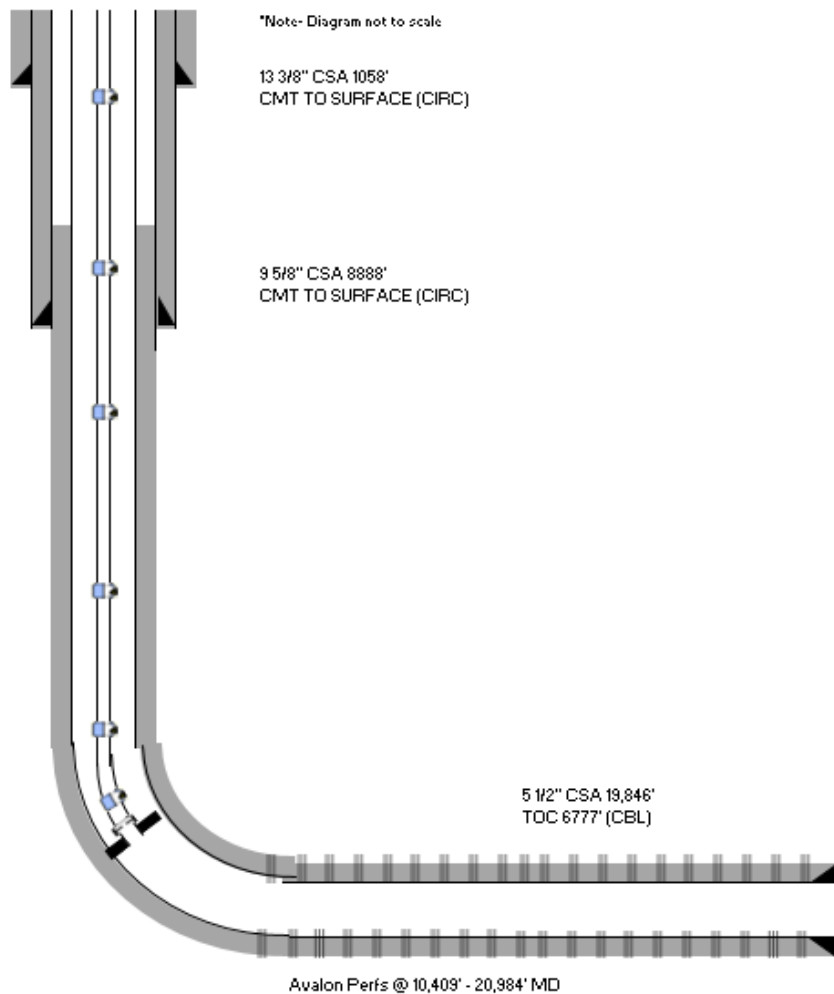
FOOTAGE LOCATION

UNIT LETTER

SECTION

TOWNSHIP

RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. **or** _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. **or** _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. **or** _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

_____ feet to _____

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: _____ Lining Material: _____

Type of Packer: _____

Packer Setting Depth: _____

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

Additional Data

1. Is this a new well drilled for injection? _____ Yes _____ No

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

2. Name of the Injection Formation: _____

3. Name of Field or Pool (if applicable): _____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

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

Side 1

OPERATOR: OXY USA INCWELL NAME & NUMBER: AVOGATO 30-31 COM 13H

WELL LOCATION:	160' FNL 2375' FEL	B	30	22S	33E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

AVOGATO 30 31 STATE COM 13H

*Note- Diagram not to scale

13 3/8" CSA 1060'
CMT TO SURFACE (CIRC)9 5/8" CSA 8910'
CMT TO SURFACE (CIRC)5 1/2" CSA 19,631'
TOC 7988' (CBL)

Avalon Perfs @ 9752 - 19,532'

WELL CONSTRUCTION DATASurface CasingHole Size: 17.5" Casing Size: 13.375"Cemented with: 1340 sx. **or** ft³Top of Cement: 0' Method Determined: CIRCIntermediate CasingHole Size: 12.25" Casing Size: 9.625"Cemented with: 1600 sx. **or** ft³Top of Cement: 0' Method Determined: CIRCProduction CasingHole Size: 8.5" Casing Size: 5.5"Cemented with: 2150 sx. **or** ft³Top of Cement: 7988' Method Determined: CBLTotal Depth: MD: 19645' / TVD: 9397'Injection Interval9752' MD/ 9396' TVD feet to 19532' MD/ 9397' TVD

(Perforated or Open Hole; indicate which)

Side 2

Tubing Size: 2.875" 6.5# L80 Lining Material: UNLINED

Type of Packer: AS1-X 5.5"

Packer Setting Depth: 8970' MD / 8926' 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? _____

PRODUCER- OIL

2. Name of the Injection Formation: AVALON

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. _____

N/A

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: 2ND BONE SPRING

Max Allowable Surface Pressure (MASP) Table

5/22/2026 Update

API#	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 (%)
30-025-45957	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%
30-025-45958	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%
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)

Mechanical Integrity Test (MIT) Summary Table

5/22/2026

API10	Well Name	MIT #1		MIT #2		MIT #3	
		Date	Surface Pressure [psi]	Date	Surface Pressure [psi]	Date	Surface Pressure [psi]
30-025-45957	AVOGATO 30 31 STATE COM #012H	11/4/2019	didn't record psi	3/12/2025	1470		
30-025-45958	AVOGATO 30 31 STATE COM #013H	10/24/2019	3000	12/2/2019	1000	4/9/2022	1350

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 5/22/2026

- 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



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
Field	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	



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	

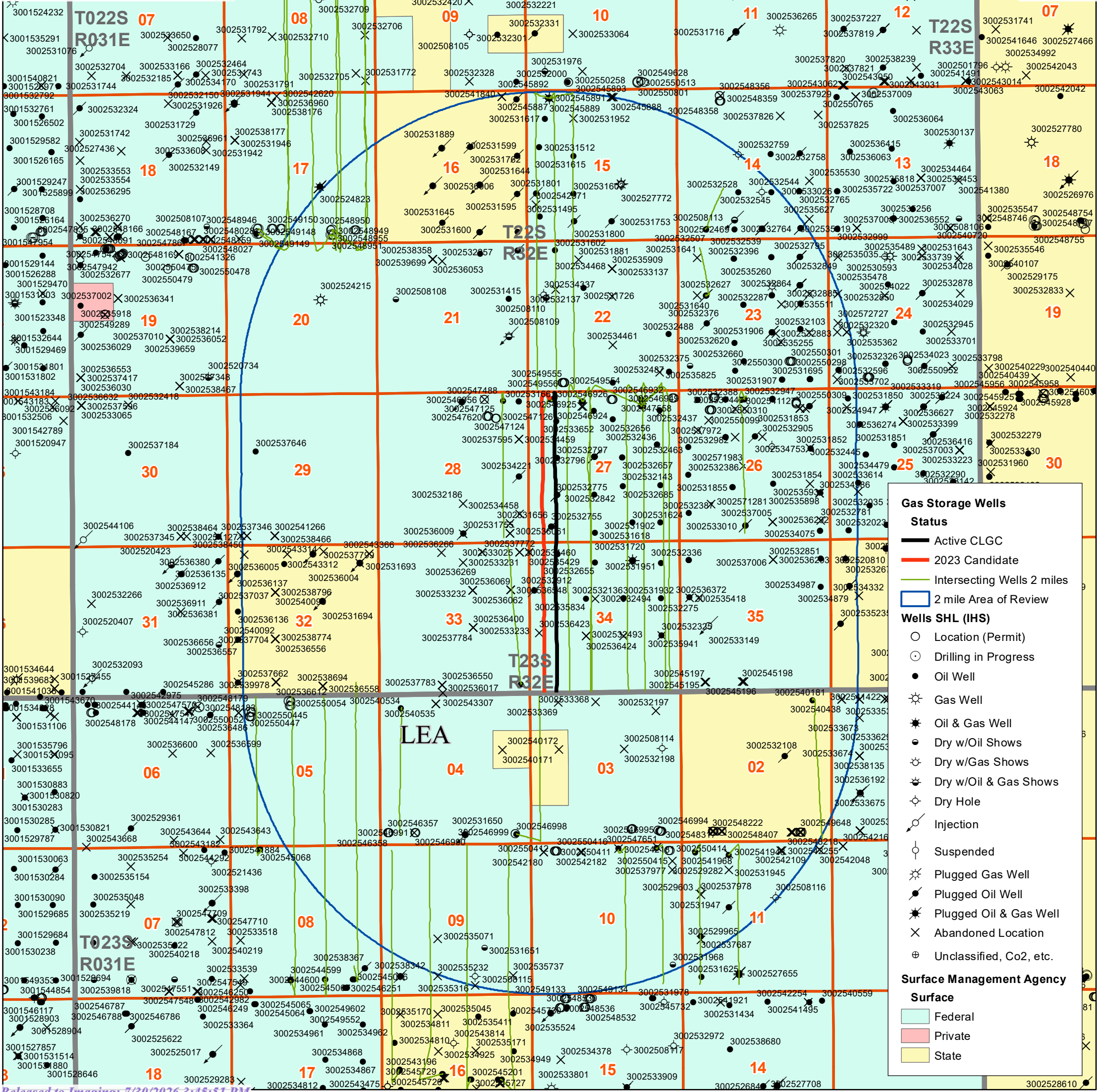
Results Summary

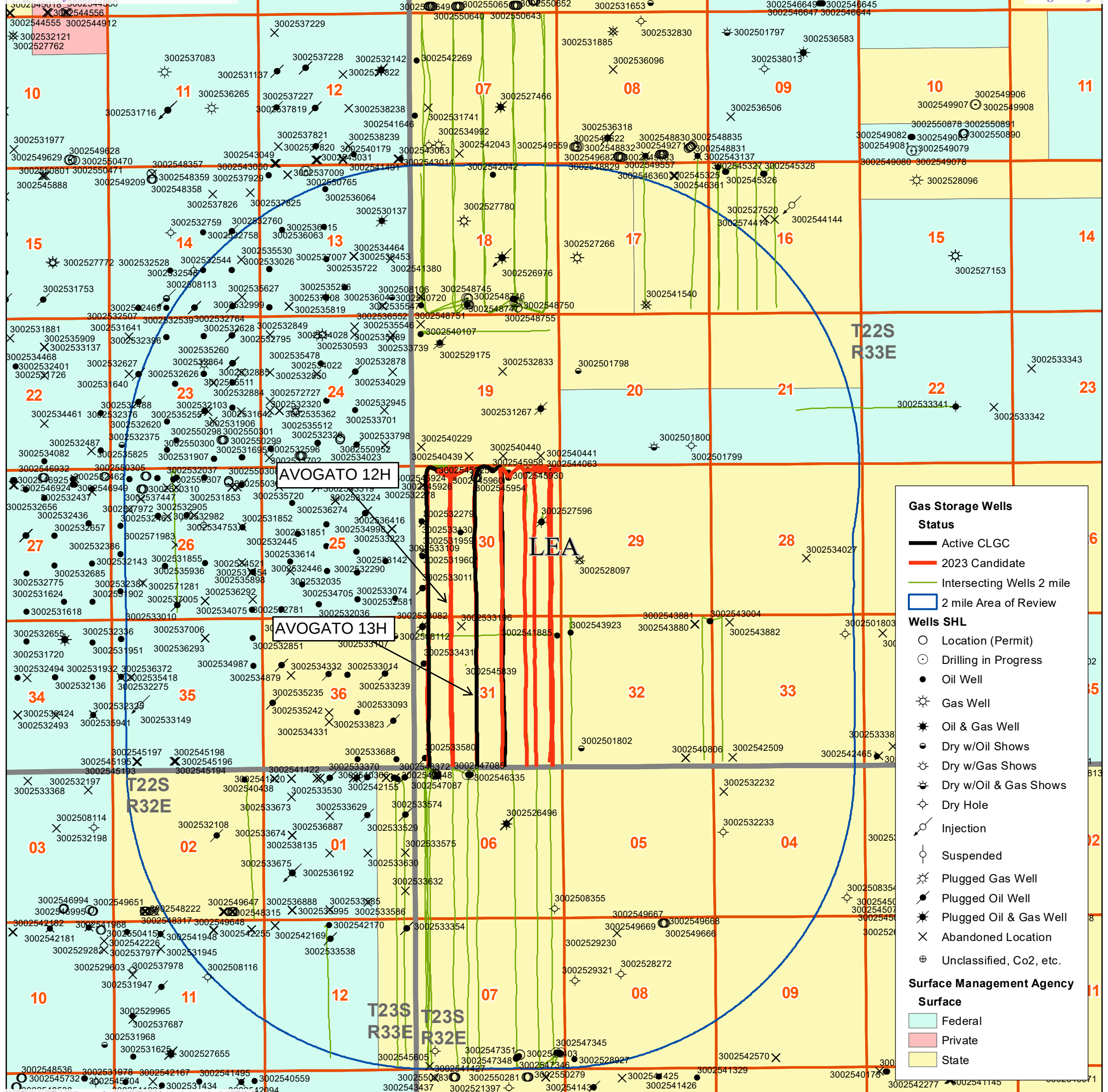
Result	Dry	Sat.	
Total Un-Normalized Mole%	99.7985		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	48.0		
	112.1		

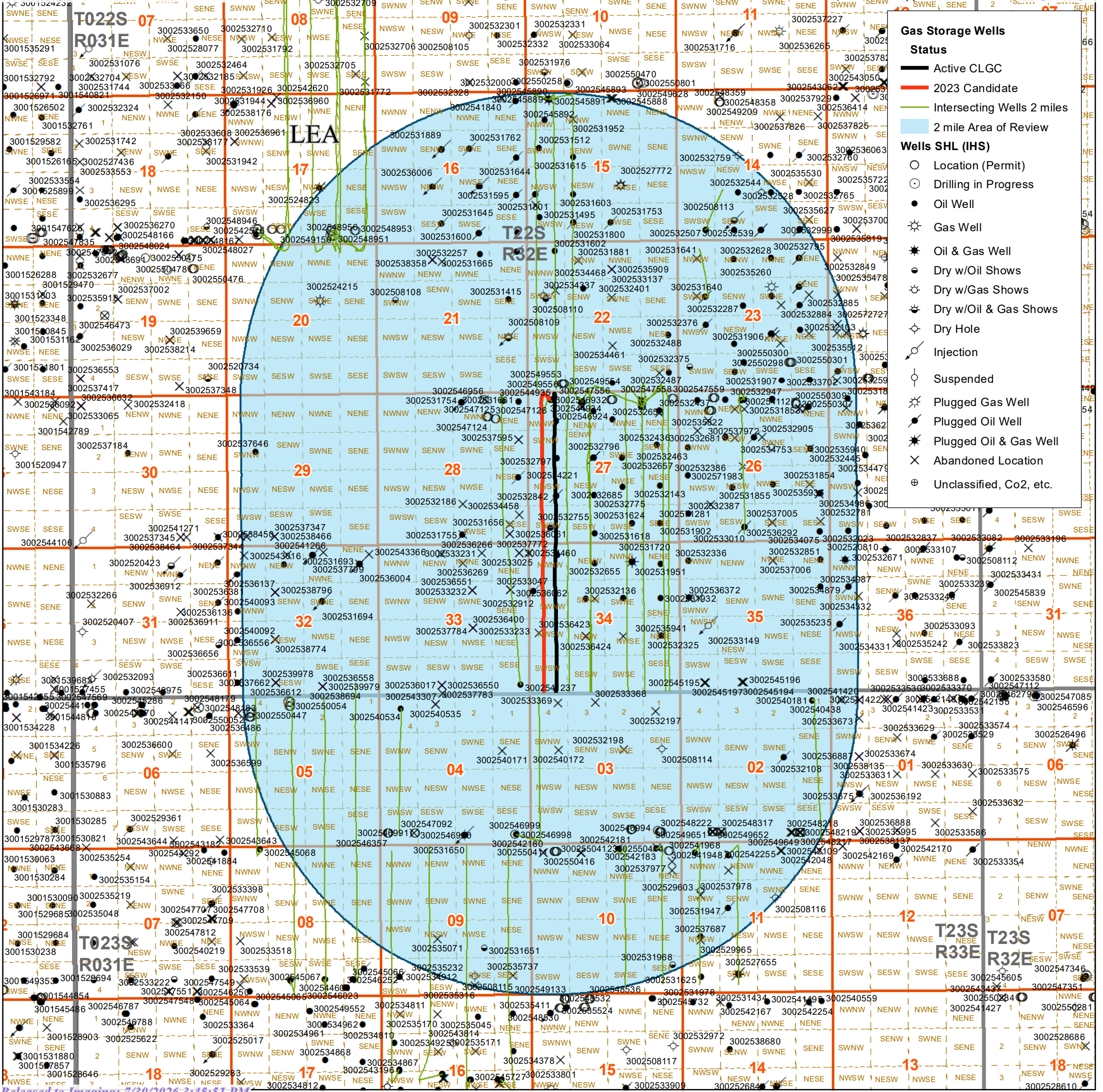
	Dry	Sat.	
Gross Heating Value (BTU / Ideal cu.ft.)	1130.4	1110.7	
Gross Heating Value (BTU / Real cu.ft.)	1134.4	1115.1	
Relative Density (G), Real	0.7734	0.7711	

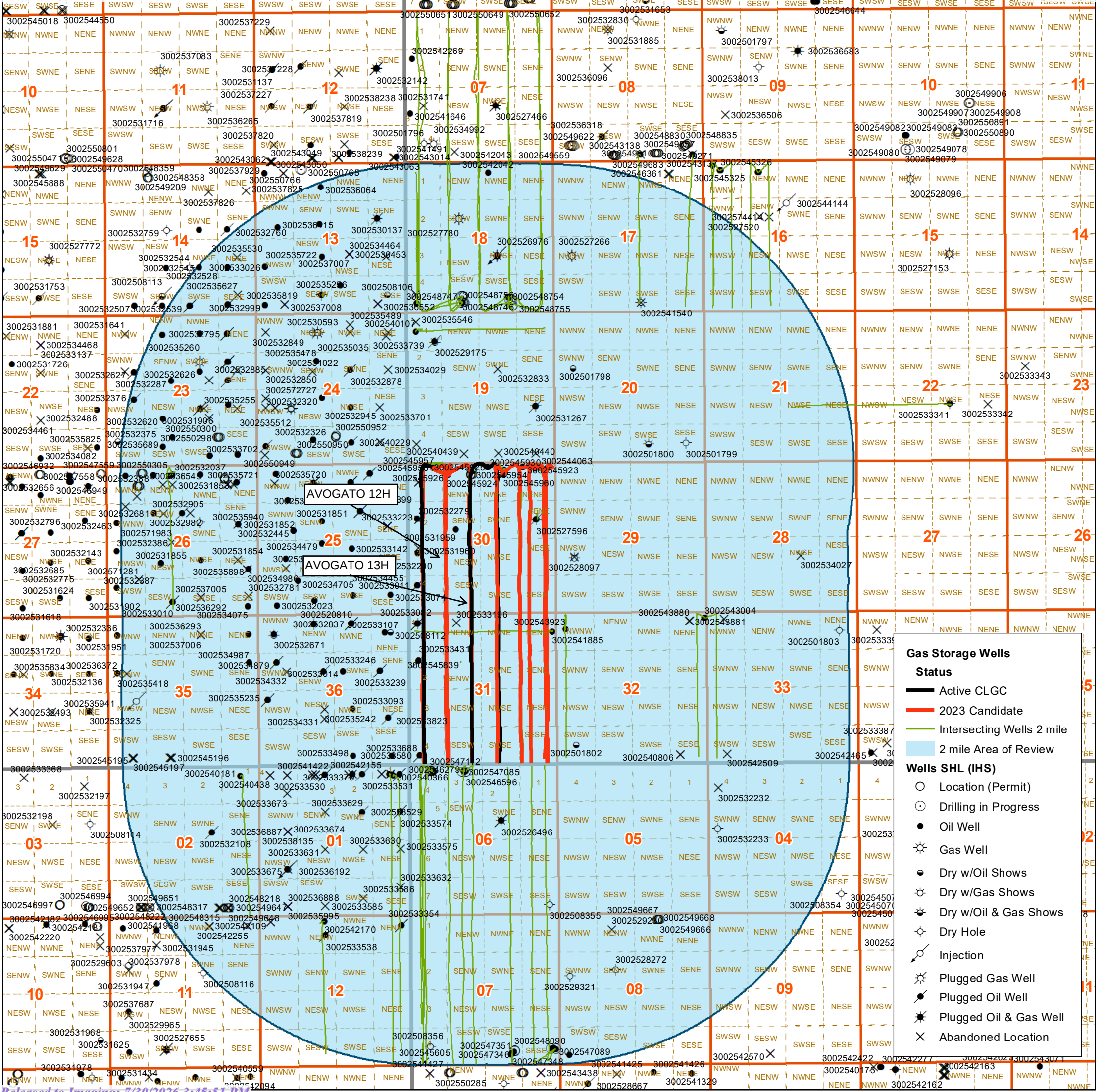
Monitored Parameter Report

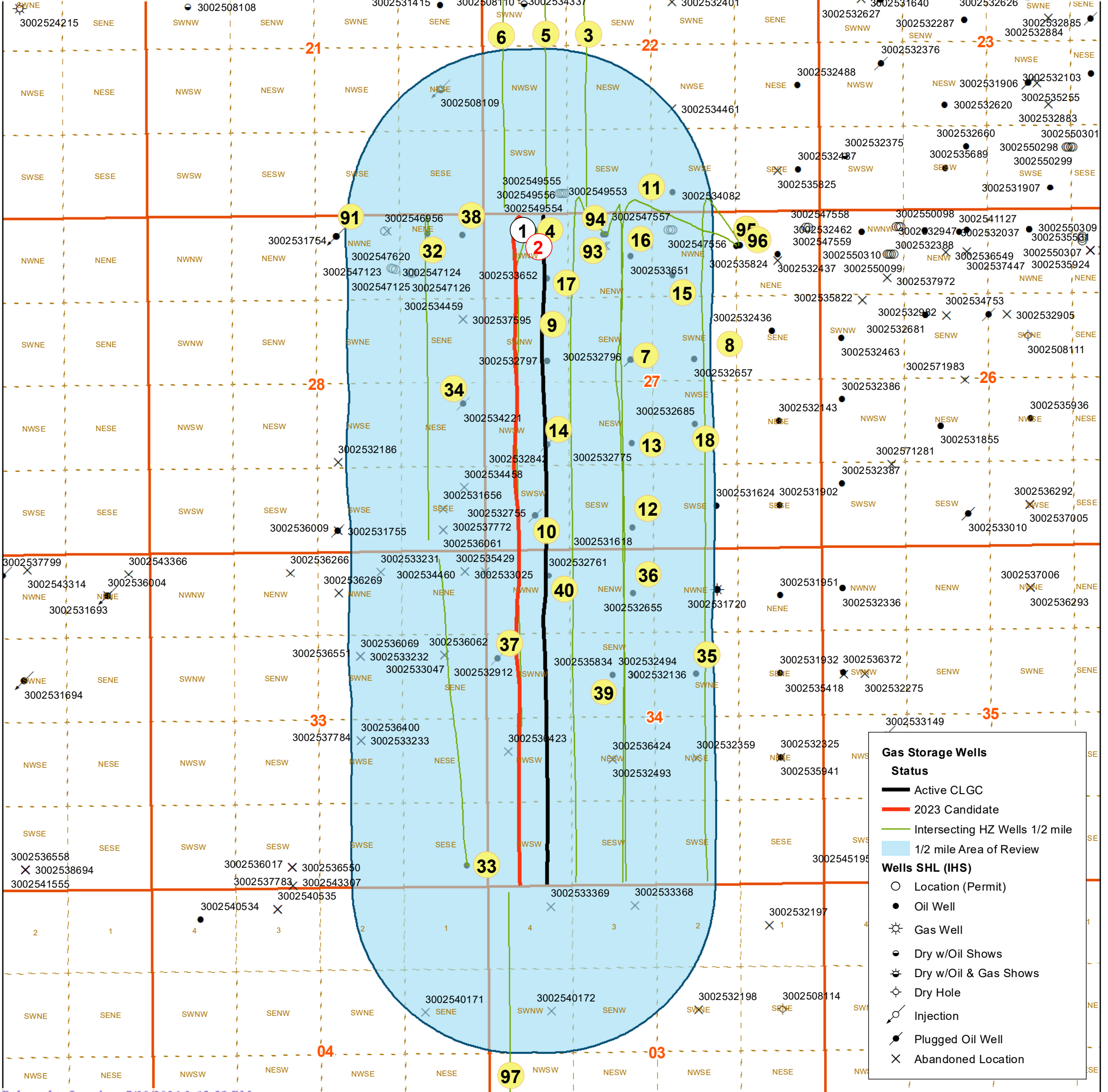
Parameter	Value	Lower Limit	Upper Limit	Status	
Total un-normalized amount	99.7986	97.0000	103.0000	Pass	

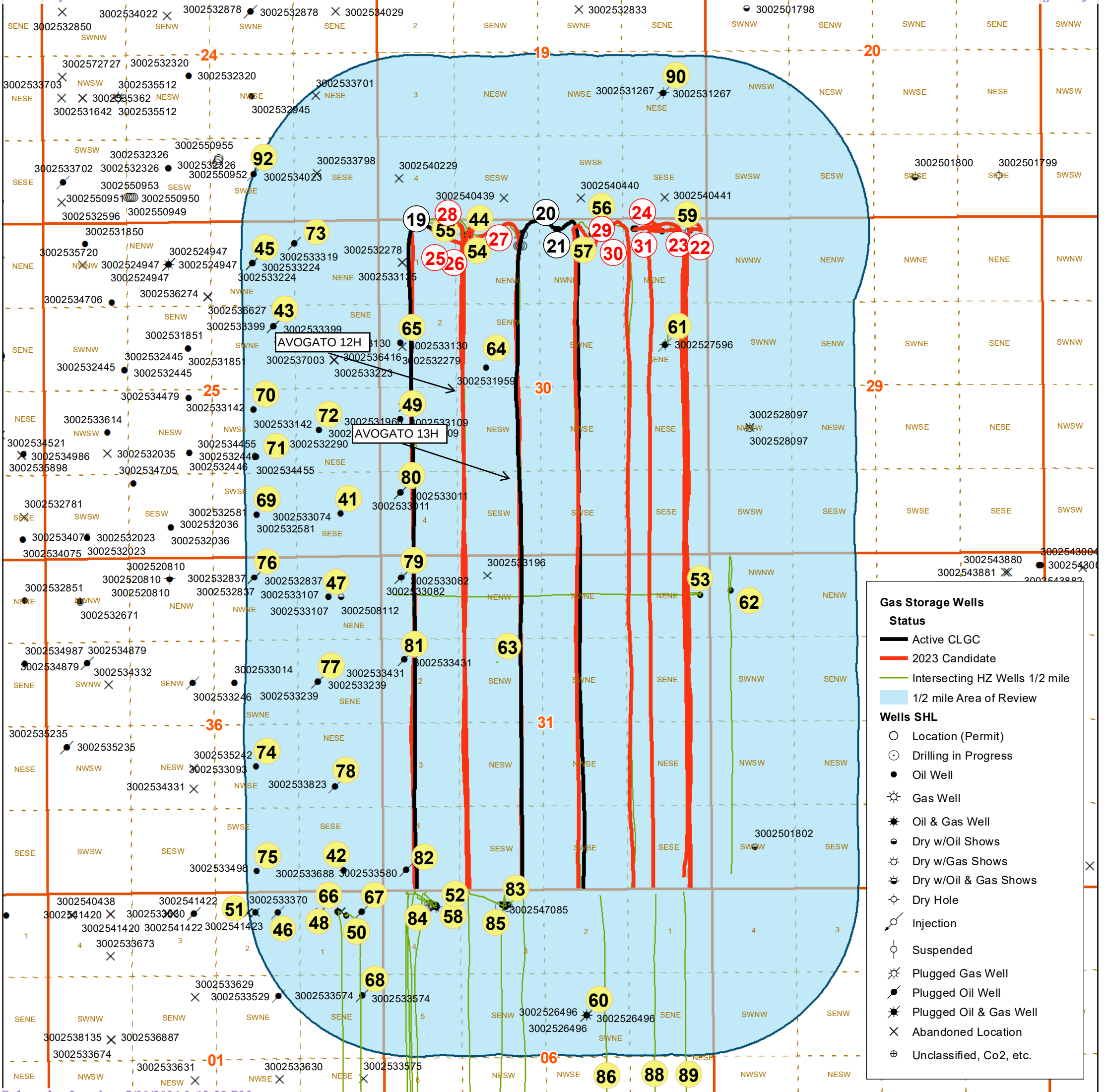












Well ID	API NUMBER	Current Operator	LEASE NAME	WELL NUMBER	Well Type:	Status:	Footages		Footages E/W	E/W	Surface Location Unit	Surface Location Section	Surface Location TShip	Surface Location Range	Spud:	True Vertical Depth [ft]	Measured Depth [ft]	HOLE SIZE [in]	CSG SIZE [in]	SET AT [ft]	SX CMT	CMT TO HOW		Current Completion [ft]	Comment	Current Producing Pool
							N/S	N/S														WELLFILE [ft]	MEASURE D			
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 9.875 8.75	13.375 7.625 5.5	867 8810 19703	800 2225 705	0 Circ 204 Calc 5800 CBL	9445-19621	2021 CLGC Well, Active	[51683] RED TANK; BONE SPRING	
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 12.25 8.5	13.375 9.625 5.5	858 6484 20882	1100 1685 2335	0 Circ 0 Circ 0 Circ	10699-20791	2023 CLGC Candidate	[51683] RED TANK; BONE SPRING	
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 12.25 8.75 8.75	13.375 9.625 7 5.5	1074 8906 11794 22196	920 2050 890 3740	0 Circ 0 Calc 0 Circ 2179 Calc	12320-22126	Top of 5.5" liner 11794'	[98258] WC-025 S223203A; LWR WOLFCAMP (GAS)	
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 12.25 8.5 6.75	13.375 9.625 7.625 5.5	825 8619 11075 22144	1140 2265 155 700	0 Circ 0 Circ 6800 Calc 10500 Calc	11982-22029		[98286] WC-025 G-08 S223227D; UPPER WOLFCAMP	
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 12.25 8.75	13.375 9.625 5.5	1061 8910 21977	940 2050 890	0 Circ 2476 Calc 0 Circ	12024-21908		[51683] RED TANK; BONE SPRING	
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 12.25 8.75 6.125	13.375 9.625 7 4.5	1086 8914 12527 22457	940 3240 1000 1005	0 Circ 0 Circ 11762 Circ	12606-22334	Top of 4.5" liner 11762'	[98166] WC-025 G-09 S233216K; UPR WOLFCAMP	
7	30-025-32796	OXY USA INC	FEDERAL 27	4	Oil	PA	2310	N		W	F	27	22S	32E	8/9/1996	8730	8730	14.75 9.875 6.75	10.75 7.625 4.5	805 4464 8730	780 1230 1095	0 Circ 0 Circ 2800 Calc	N/A		N/A	
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 9.875 6.75	10.75 7.625 4.5	830 4490 8715	780 1200 1080	0 Circ 0 Circ 3550 Calc	8364-8416		[51689] RED TANK; DELAWARE, WEST	
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 9.875 6.75	10.75 7.625 4.5	808 4450 8714	700 1200 900	0 Circ 0 Circ 2990 Calc	7188-7204; 7299-7310; 7638-7690; 8356-8378		[51689] RED TANK; DELAWARE, WEST	
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 9.875 6.75	10.75 7.625 4.5	822 4250 8732	800 1400 875	0 Circ 0 Circ 2030 Calc	N/A		N/A	
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 9.875 6.75	10.75 7.625 4.5	802 4500 8780	800 1550 1255	0 Circ 0 Circ 2250 Calc	7000-7168; 8360-8440		[51689] RED TANK; DELAWARE, WEST	
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 11 7.875	13.375 8.625 5.5	850 4600 8850	1060 2158 2360	0 Circ 0 Circ 2360 Calc	8330-8391		[51689] RED TANK; DELAWARE, WEST	
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 9.875 6.75	10.75 7.625 4.5	805 4470 8734	700 1400 980	0 Circ 0 Circ 1775 Calc	8370-8470		[51689] RED TANK; DELAWARE, WEST	
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 9.875 6.75	10.75 7.625 4.5	825 4440 8700	600 1300 1000	0 Circ 0 Circ 2358 Calc	N/A		N/A	
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 9.875 6.75	10.75 7.625 4.5	830 4486 8756	800 1450 780	0 Circ 0 Circ 3280 Calc	8346-8360		[51689] RED TANK; DELAWARE, WEST	
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 9.875 6.75	10.75 7.625 4.5	804 4470 8800	800 1500 1440	0 Circ 0 Circ 2594 Calc	6987-7150		[51689] RED TANK; DELAWARE, WEST	
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 9.875 6.75	10.75 7.625 4.5	804 4460 8653	750 1150 1080	0 Circ 0 Circ 2650 Calc	7184-7678		[51689] RED TANK; DELAWARE, WEST	
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 9.875 6.75	10.75 7.625 4.5	803 4510 8750	550 1275 1050	0 Circ 0 Circ 3504 Calc	8376-8400		[51689] RED TANK; DELAWARE, WEST	
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 12.25 8.5	13.375 9.625 5.5	1049 8850 19614	1340 2149 2150	0 CIRC 0 CIRC 8322 CBL	9558'-19537'	2021 CLGC Well, Active	[51687] RED TANK; BONE SPRING, EAST	
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 12.25 8.5	13.375 9.625 5.5	1060 8910 19631	1340 1600 2150	0 CIRC 0 CIRC 8380 CBL	9752'-19532'	2021 CLGC Well, Active	[51687] RED TANK; BONE SPRING, EAST	
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 12.25 8.5	13.375 9.625 5.5	1060 9007 19865	1340 2125 2135	0 CIRC 0 CIRC 6435 CBL	9598'-19778'	2021 CLGC Well, Active	[51687] RED TANK; BONE SPRING, EAST	
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 12.25 8.5	13.375 9.625 5.5	1090 6867 20590	1165 2385 2260	0 CIRC 0 CIRC 1865 CALC	11300'-20364'	2023 CLGC Candidate	[51687] RED TANK; BONE SPRING, EAST	
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 12.25 8.5	13.375 9.625 5.5	1072 6776 19681	1450 3125 2012	0 CIRC 0 CIRC 0 CIRC	9694'-19546'	2023 CLGC Candidate	[51687] RED TANK; BONE SPRING, EAST	
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 12.25 6.75	13.375 7.625 5.5	1037 9534 20625	1340 3594 922	0 CIRC 0 CIRC 9029 CALC	10357'-20138'	2023 CLGC Candidate	[51687] RED TANK; BONE SPRING, EAST	
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 12.25 8.5 8.5	13.375 9.625 7 5.5	1052 6425 10106 20875	1340 1213 2569 2569	0 Circ 0 Circ 4900 Calc 4900 Calc	10951'-20804'	2023 CLGC Candidate 5.5" Liner from 10106'-20875'	[51687] RED TANK; BONE SPRING, EAST	
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 12.25 8.5	13.375 9.625 5.5	1050 6465 21073	1340 1207 2892	0 CIRC 0 CIRC 5900 CALC	10982'-21006'	2023 CLGC Candidate	[51687] RED TANK; BONE SPRING, EAST	
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 12.25 8.5	13.375 9.625 5.5	1050 6450 20956	1340 1210 2710	0 CIRC 0 CIRC 5950 CALC	10853'-20877'	2023 CLGC Candidate	[51687] RED TANK; BONE SPRING, EAST	

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

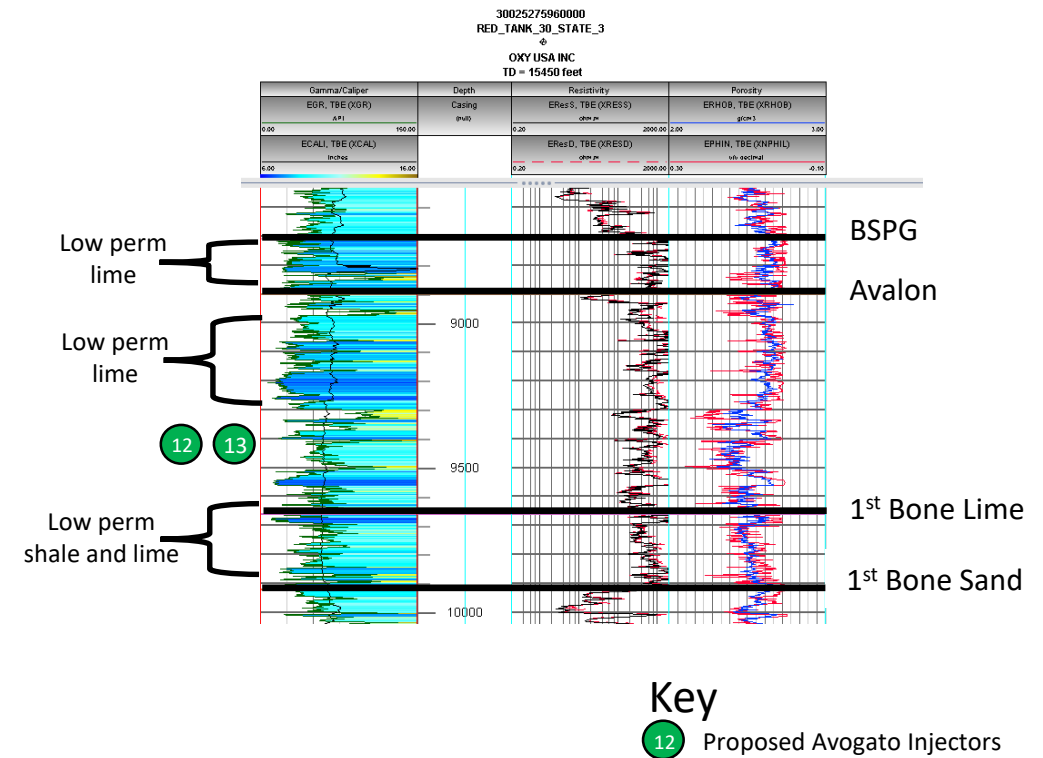
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83	30-025-46335	MATADOR PRODUCTION COMPANY	RODNEY ROBINSON FEDERAL	122H Oil	Active	240 N	1927 W	C	6	23S	33E	9/4/2019	11189	21224	17.5	13.375	1339	1520	0	CIRC	10963-21051	[96228] PRONGHORN; BONE SPRING
															12.25 8.75	9.625 5.5	5059 21200	1369 4224	0 28	CIRC 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 8.75	9.625 5.5	5063 21289	1555 3838	0 2900	CIRC 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 8.75	9.625 5.5	5060 19740	1369 3615	0 0	CIRC 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 6.75	7.625 5.5	11441 22420	2610 1090	0 0	CIRC 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 6.75	7.625 5.5	11505 22447	2455 1299	0 1250	CIRC 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 6.75	7.625 5.5	11759 22640	2650 1170	1320 0	CALC 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 8.75	9.625 7	4870 12166	2250 1400	0 2332	CALC 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 8.625 5.5	820 4435 10153	820 4435 10153	1275 2035 1675	0 0 2580	CIRC CIRC CBL	4674-4698;5434-5748	[96100] SWD; DELAWARE
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 7.875	8.625 5.5	4875 9066	1500 575	0 5920	CIRC 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 6.75	7.625 5.5	11147 22359	1550 930	0 8700	Circ 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 6.75	7.625 5.5	11264 22362	2130 926	0 10653	Circ 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 8.75	9.625 5.5	6433 21179	1714 2848	0 2918	Circ 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 8.75x8.5	9.625 5.5	6346 21226	1714 2724	0 3798	Circ 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 8.75 6	9.625 7 4.5	4721 12233 16829	1923 1184 349	0 10672 3950	Circ Calc CBL		

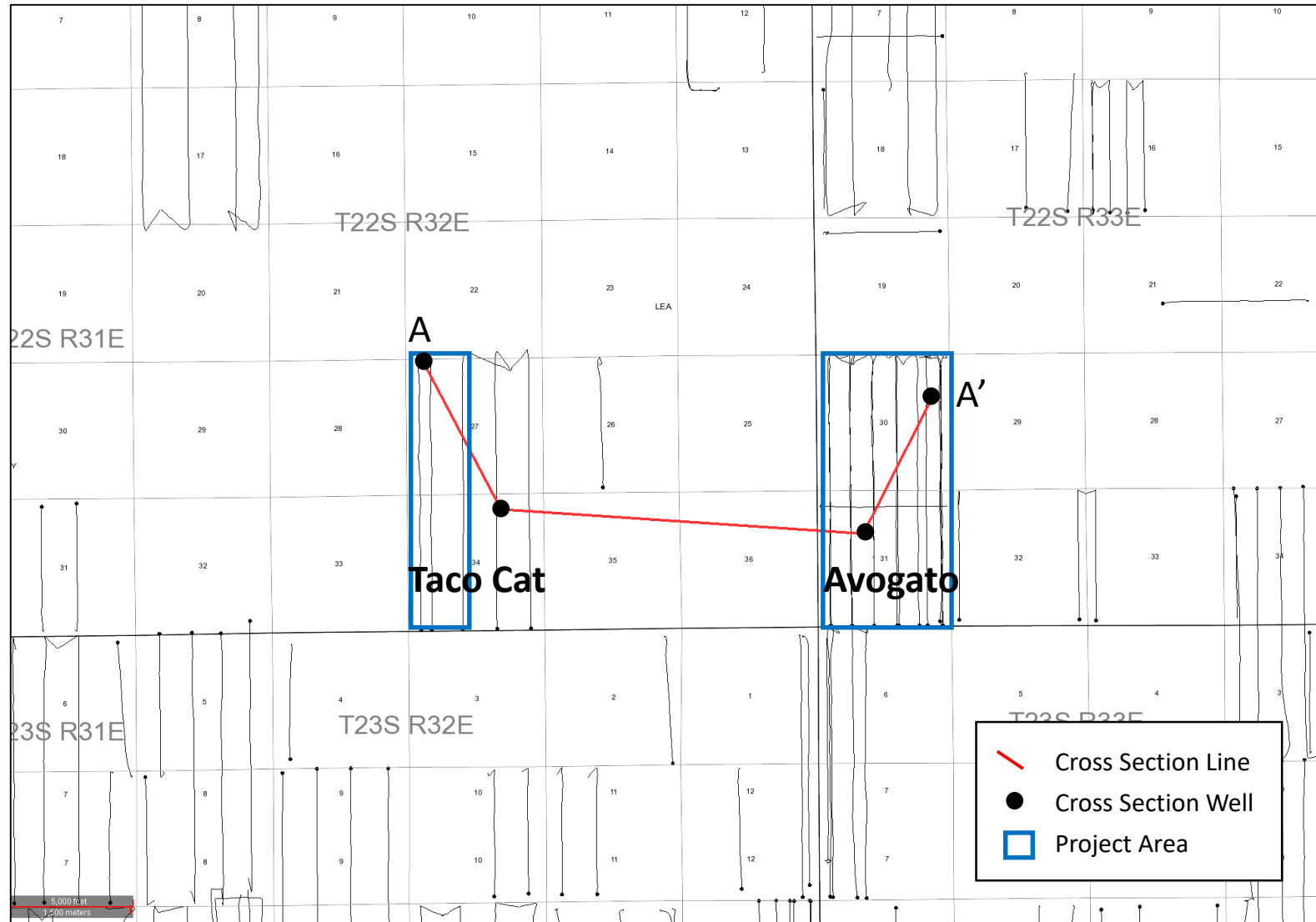
Type Log

Proposed Storage Zones

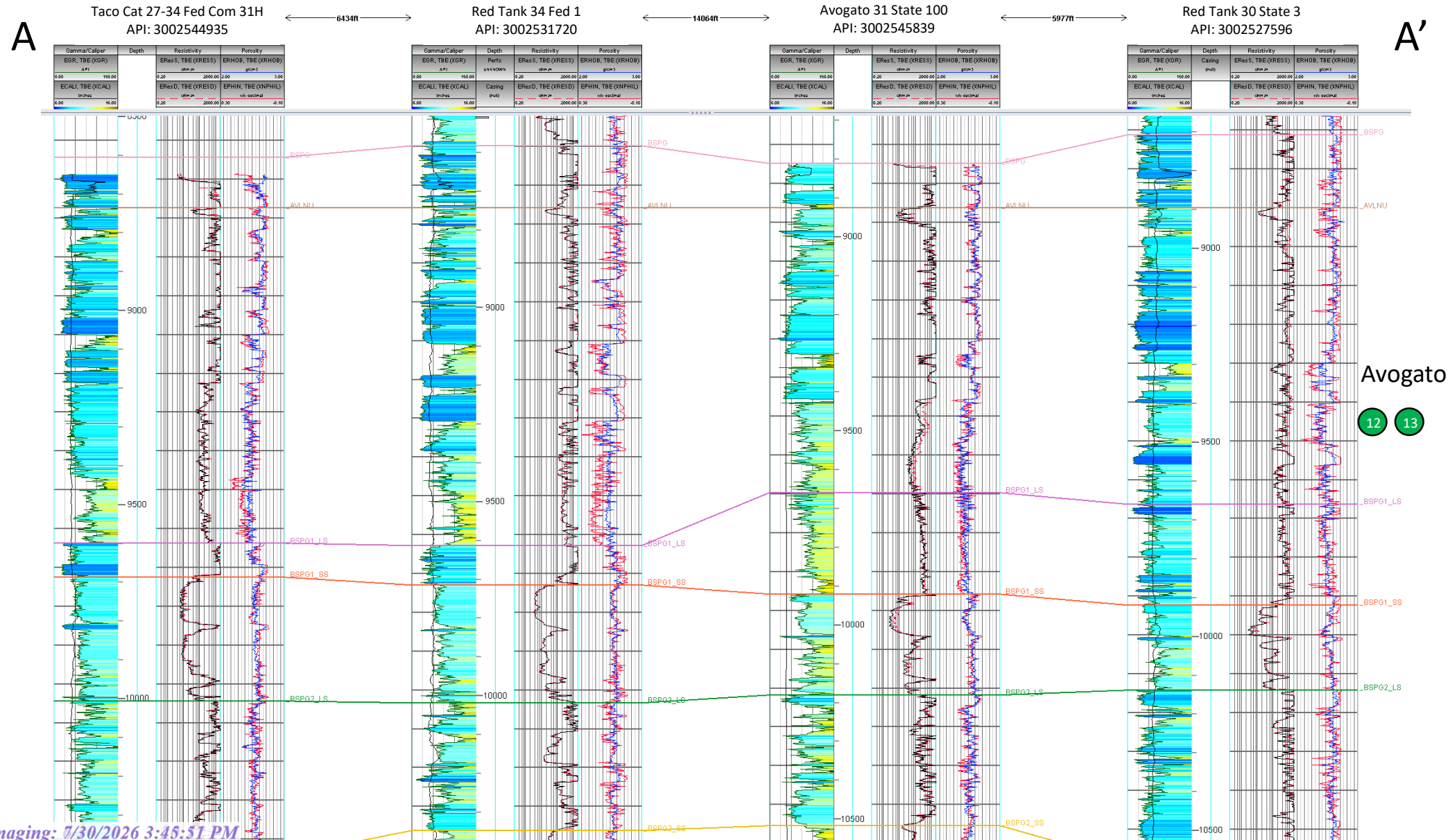
- Avalon Shale (Avogato 12H, Avogato 13H)
 - Reservoir comprised of siliceous mudstone reservoir with natural permeability in the nano-darcy range
 - Confining layer: overlain by ~300' of low porosity and permeability limestone and underlain by ~250' of interbedded low porosity and permeability limestone and shale



Cross Section Location Map

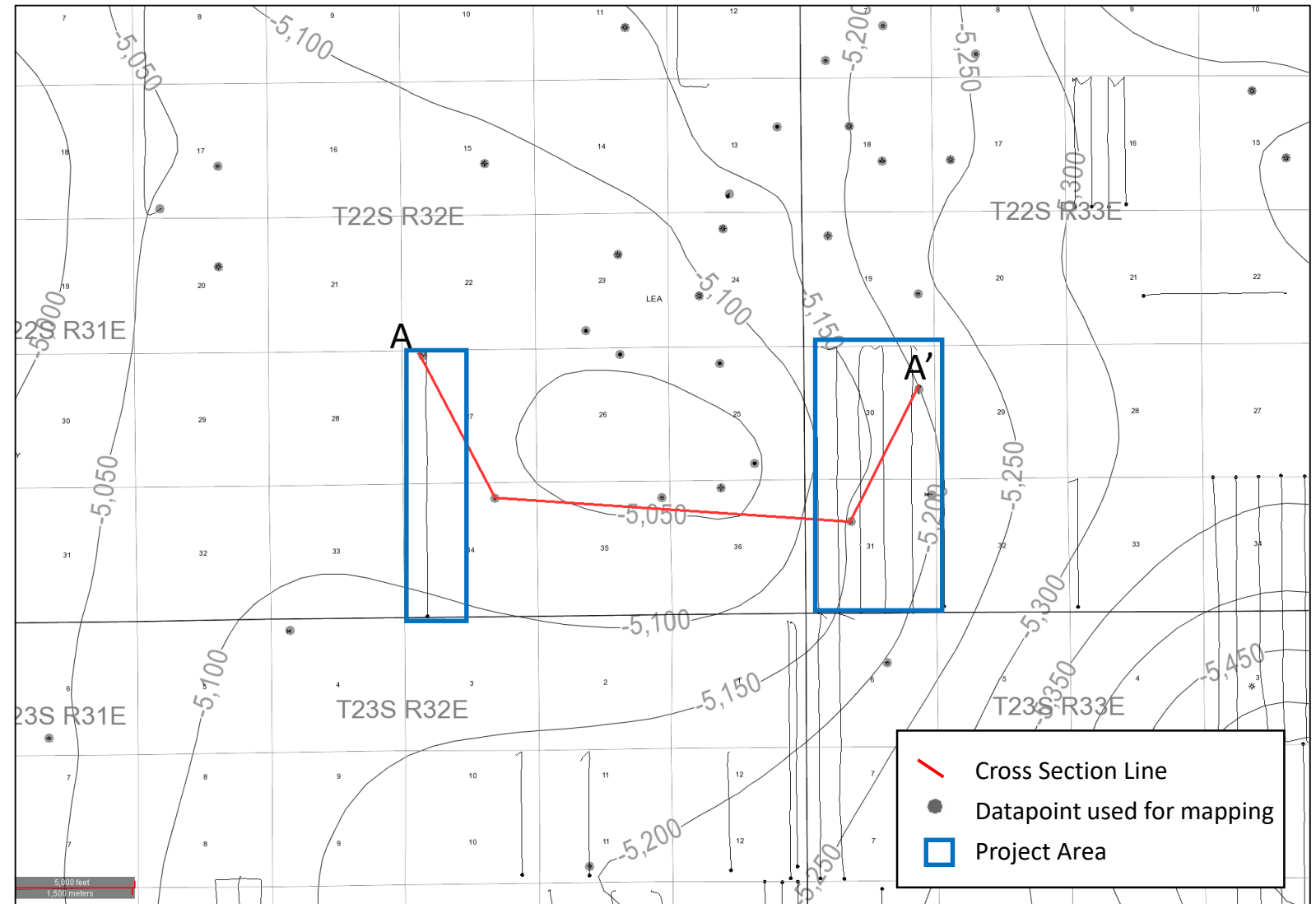


Avatorn and First Bone Spring Cross Section



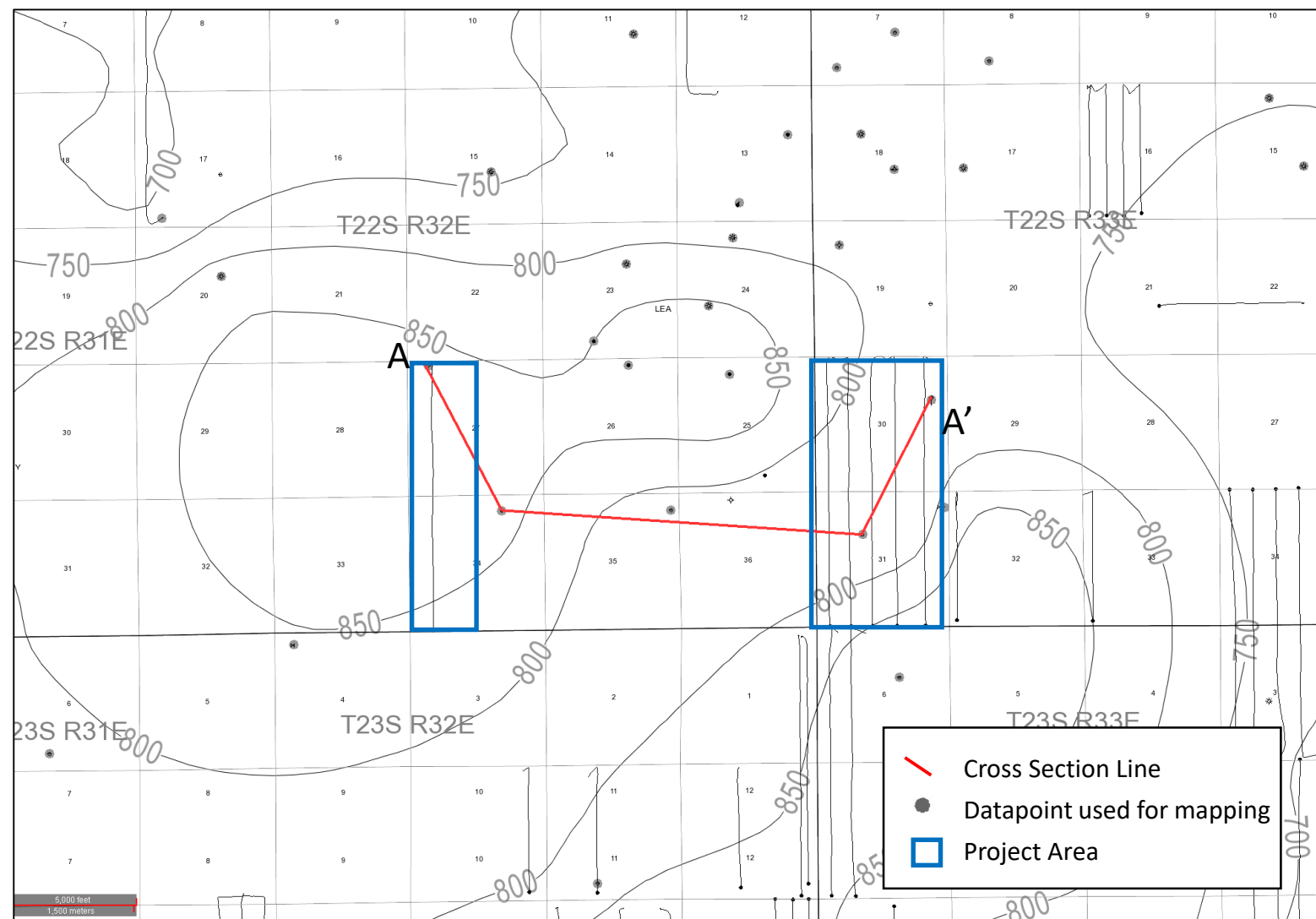
Avalon Structure Map (SSTVD)

Horizontal wells shown are
Avalon Producers



Avalon Isopach

Horizontal wells shown are
Avalon 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 Avogato 30-31 State Com 13H). 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****Avogato 30 31 State Com #013H**

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

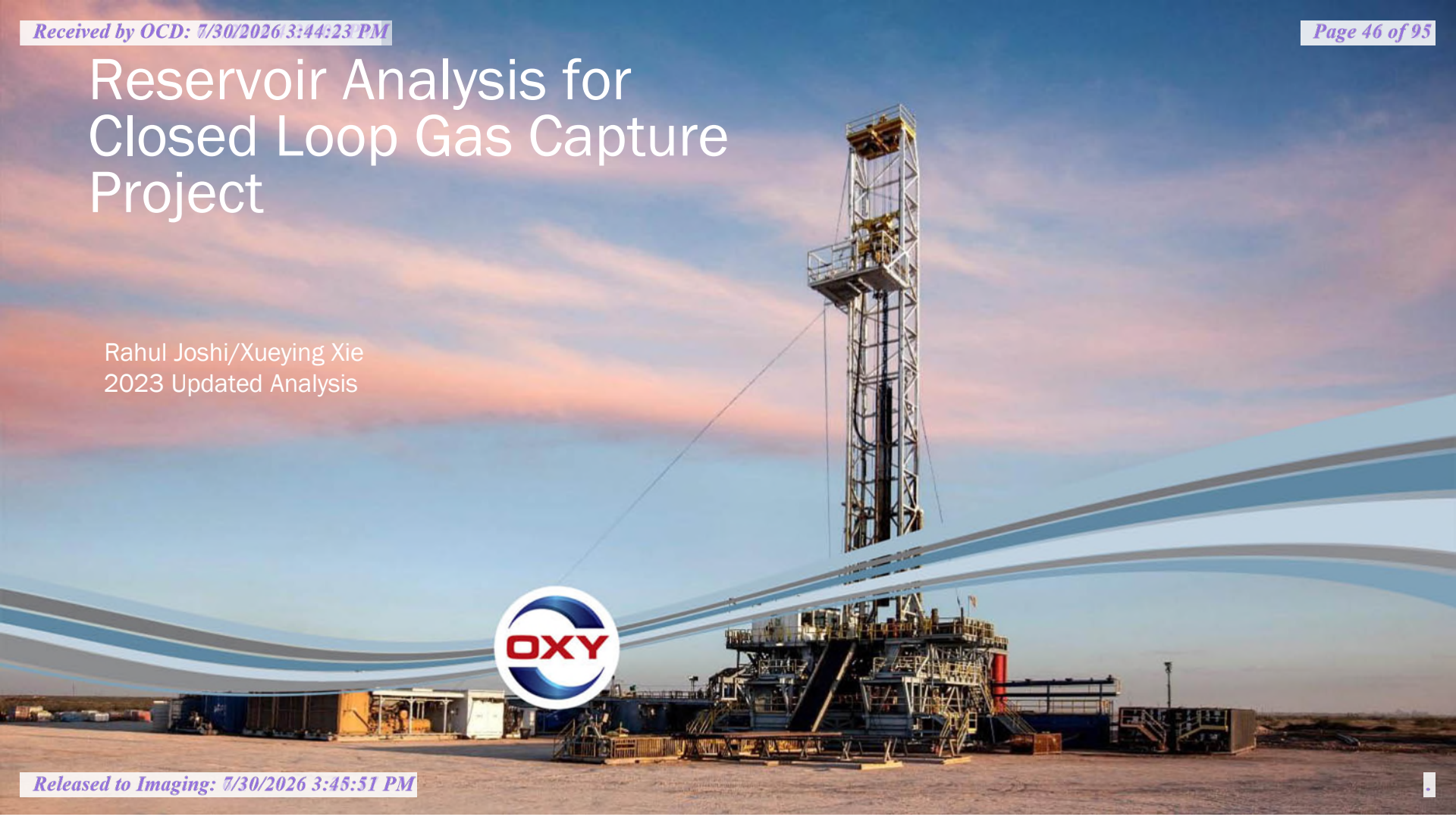
3/1/2023
Date


Rahul Joshi, Reservoir Engineer

02/17/2023
Date

Reservoir Analysis for Closed Loop Gas Capture Project

Rahul Joshi/Xueying Xie
2023 Updated 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.



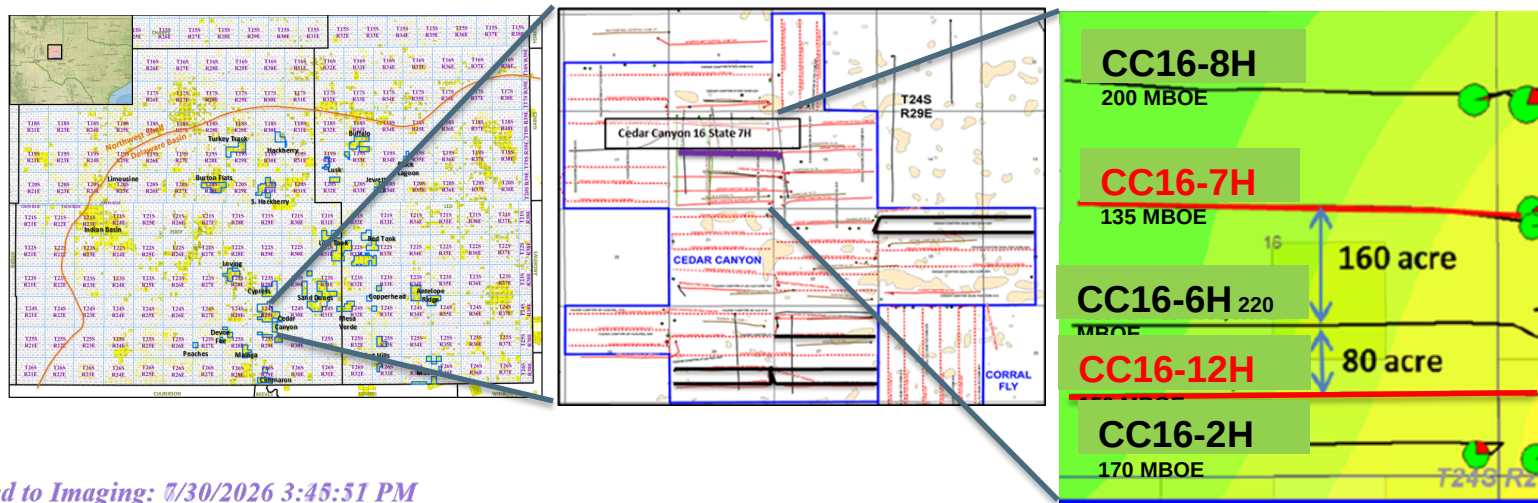
Project Overview – Avogato, Taco Cat & Red Tank

- 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

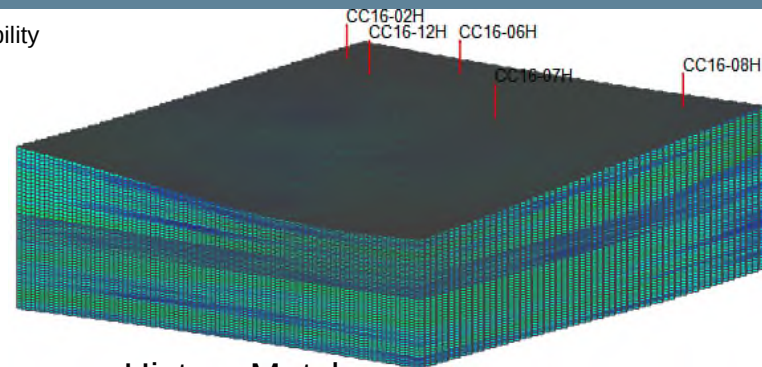
- Uses Cedar Canyon Sec 16 2nd BSS (as shown in layout below)
- Gas Injection pilot (EOR) was implemented in CC16-7H well in 2017
- Reservoir model is history matched for primary production and gas injection pilot
- Model is also tuned to capture injection gas breakthrough in offset wells that was observed 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

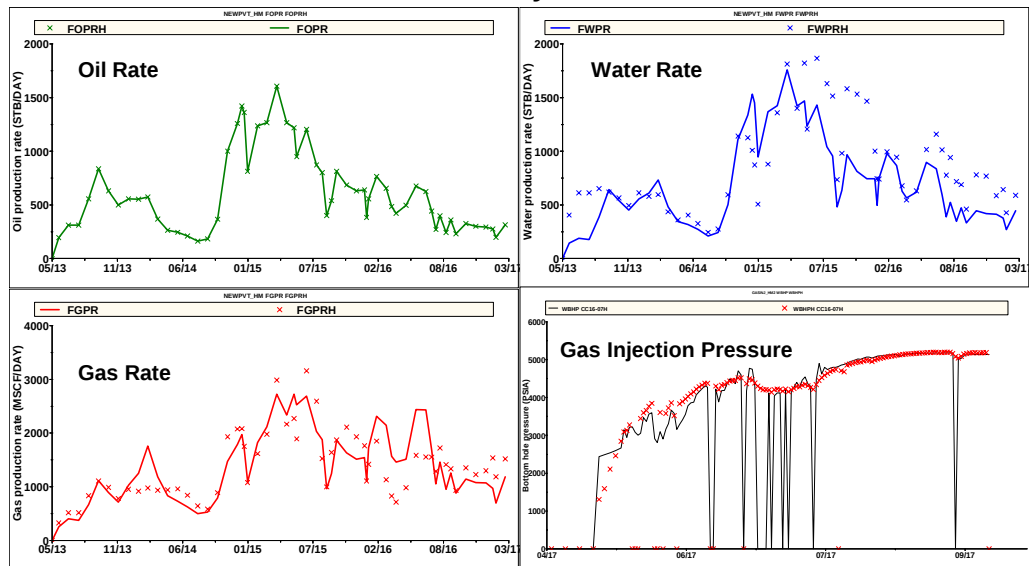
Structure & Permeability
 1,177,400 Grids
 56 Layers



History Match

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

Model Inputs

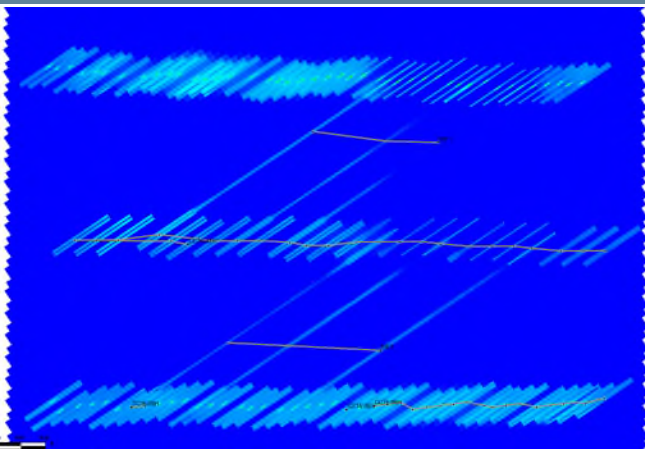


Gas Storage Simulation Process

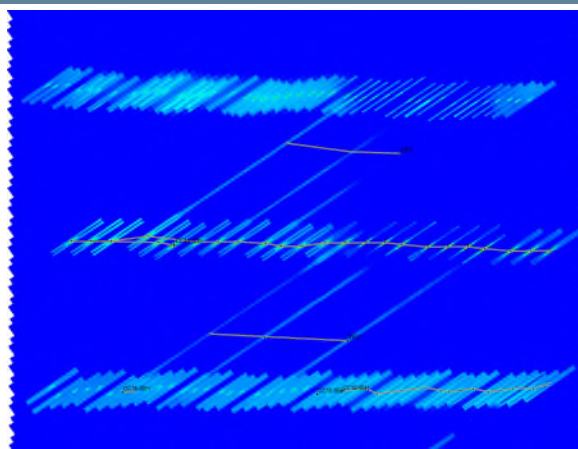
- Run primary production for all wells for additional period (post history match) – Base Case
- Inject gas in injection well at 2MMSCFPD for 7 days
- Produce the injection well post injection – Injection Case
- Observe the effect on oil, gas rate/recovery in injection well and offset wells by comparing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



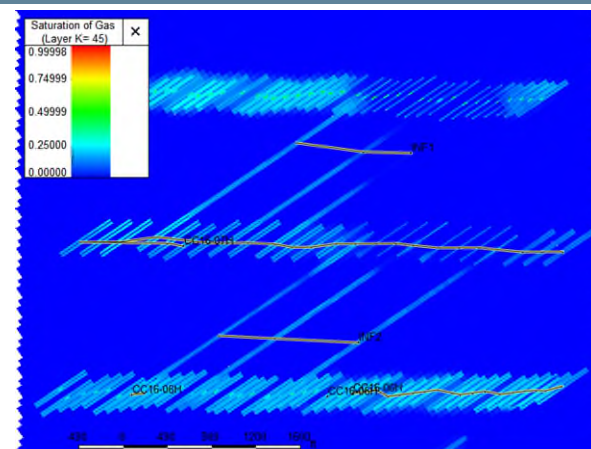
Gas Injection Profile (1 week Injection)



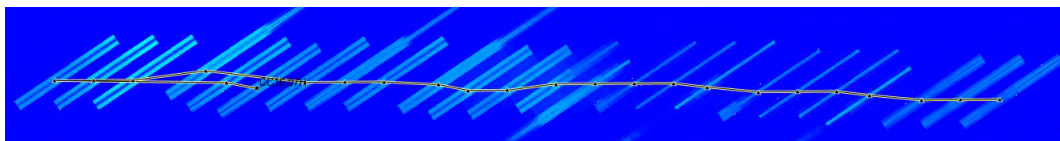
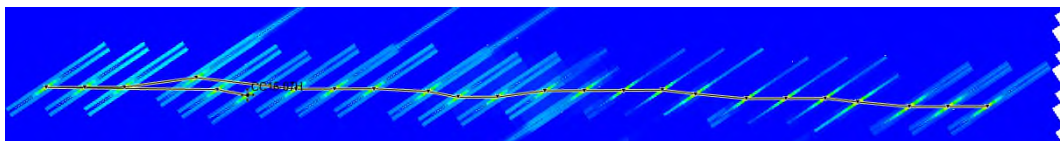
Before injection



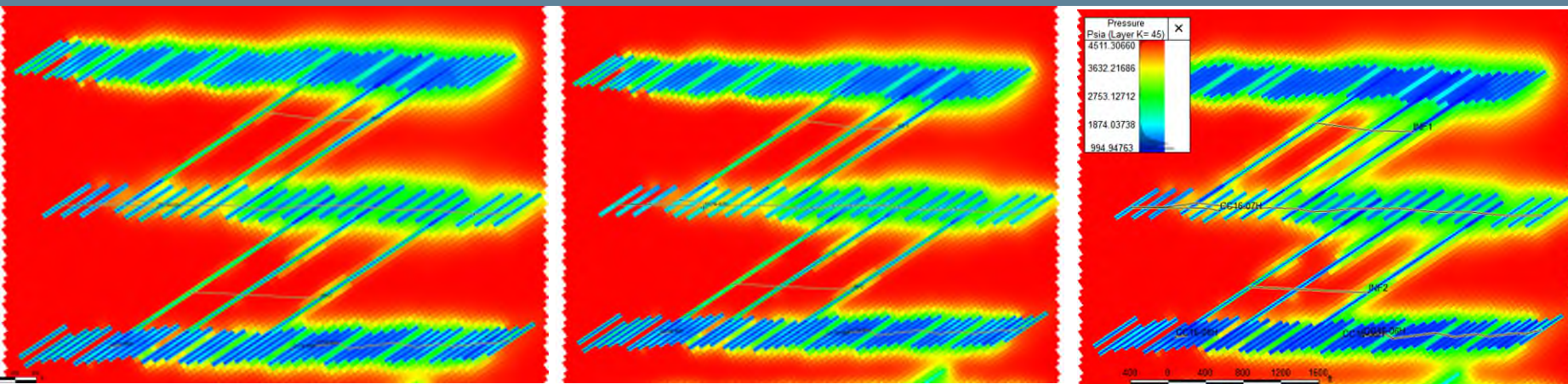
After 1 week of injection (3 MMSCFPD)



After 16 months production

**Before Injection CC16-7H
Blow-up****After Injection CC16-7H
Blow-up**

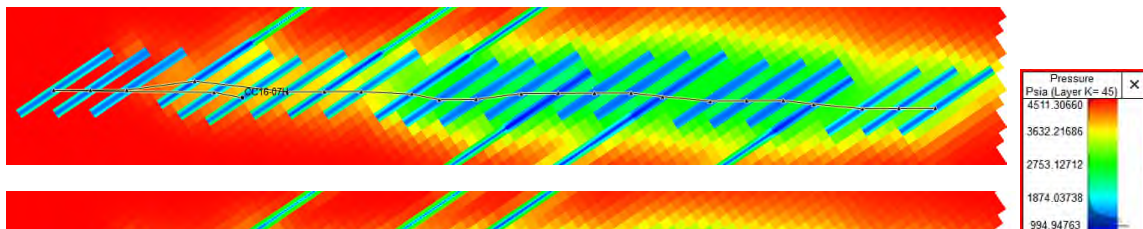
Pressure Profile (1 week injection)



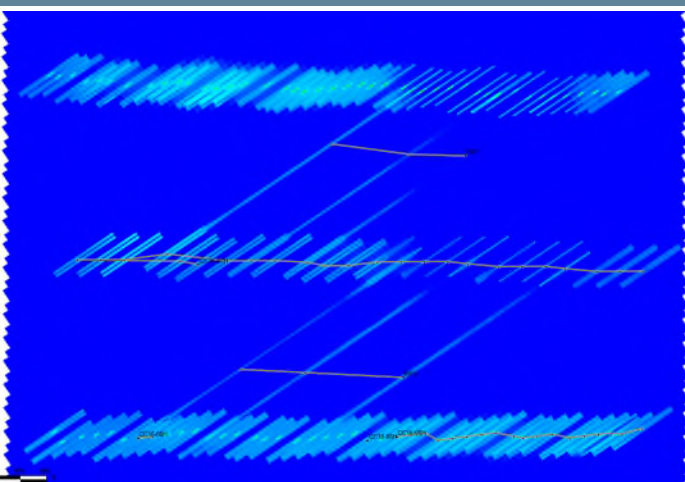
Before injection

After 1 week of injection (3 MMSCFPD)

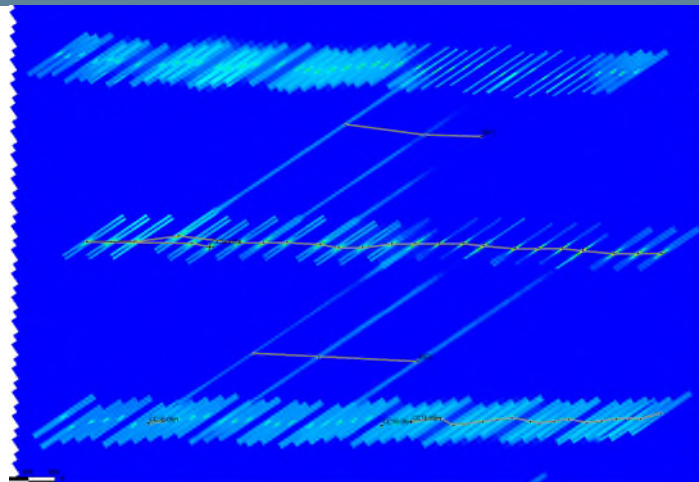
After 16 months production

**Before Injection CC16-7H
Blow-up****After Injection CC16-7H
Blow-up**

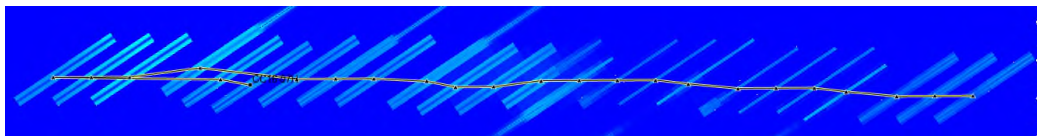
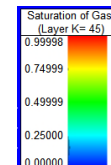
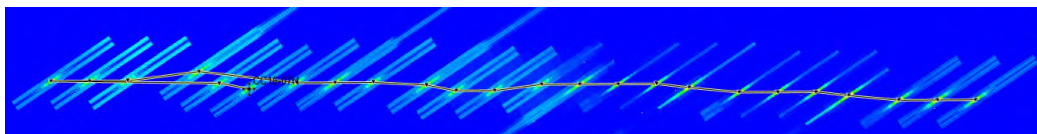
Gas Injection Profile (3 weeks Injection)



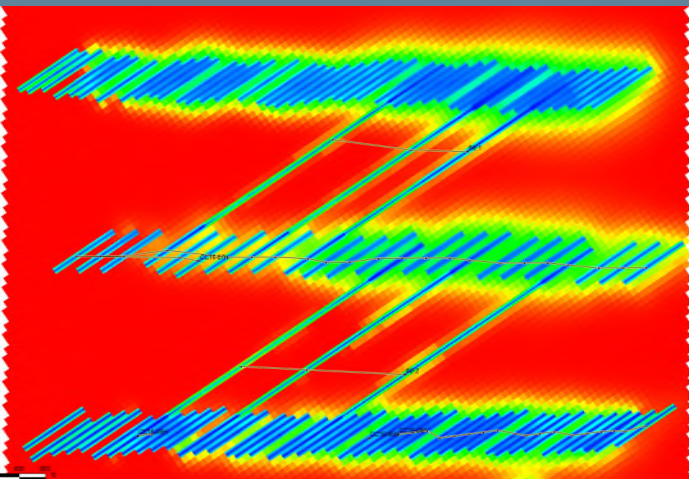
Before injection



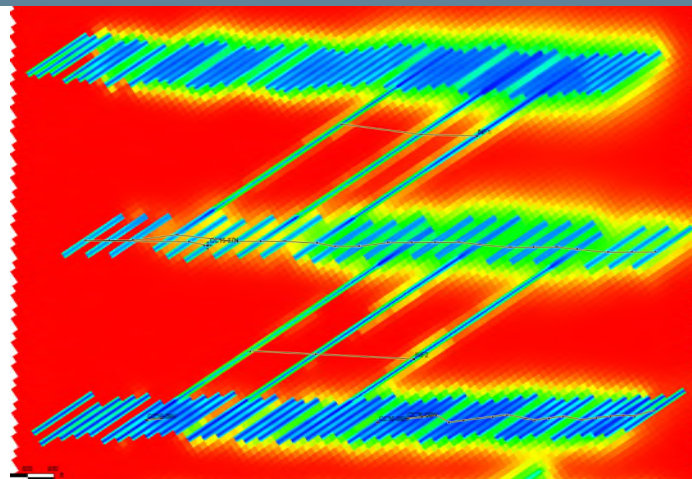
After 3 weeks of injection (@1200 psi THP)

Before Injection CC16-7H
Blow-upAfter Injection CC16-7H
Blow-up

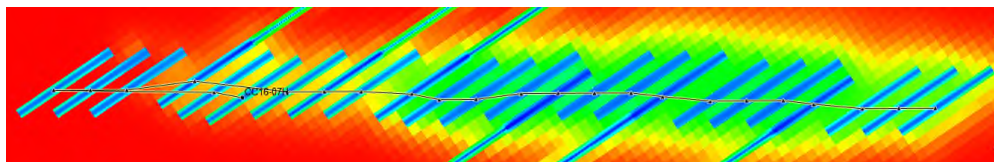
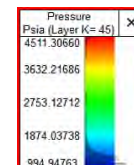
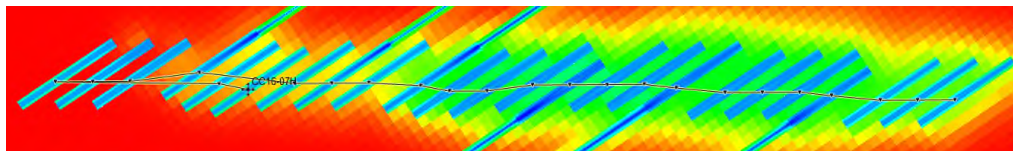
Pressure Profile (3 weeks Injection)



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
3002545957	AVOGATO 30 31 STATE COM #012H	350	423	10000	2,961,000,000
3002545958	AVOGATO 30 31 STATE COM #013H	350	340	10000	2,380,000,000

Gas storage capacity is high for each well

- $SRV : 2 * X_f * X_h * \text{WellLength}$

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.



Rahul Joshi, Reservoir Engineer

02/17/2023_____
Date



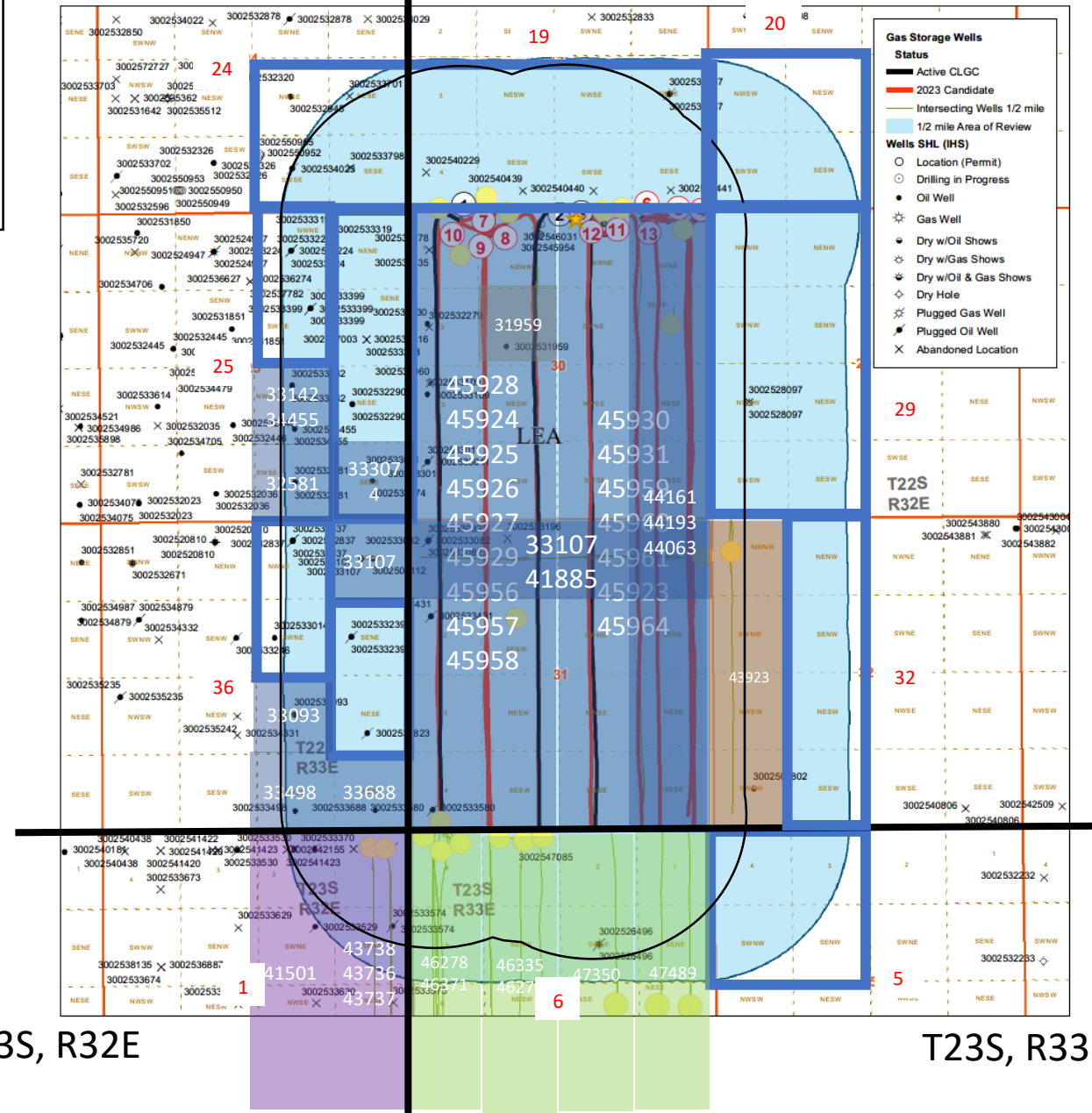
Avogadro Area

Bone Spring HSU Map
2/13/23

- AOR is expanded to the east by 1/4 mile.

T22S, R32E

T22S, R33E



T23S, R32E

T23S, R33E

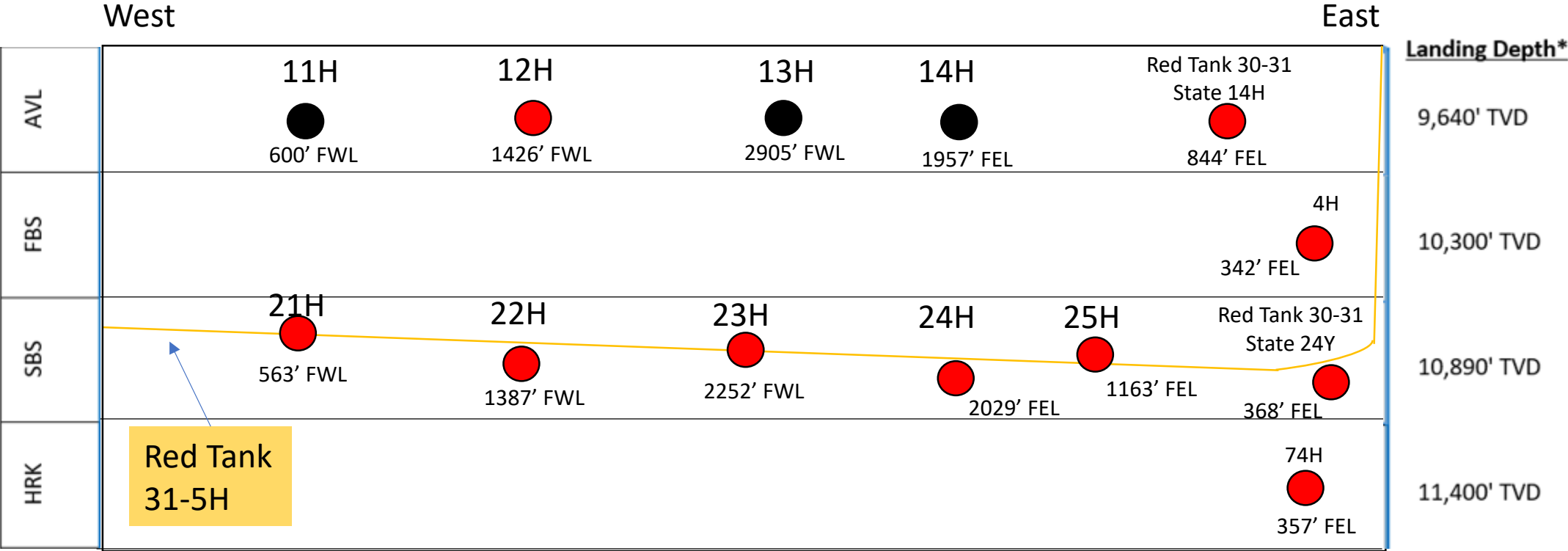
Red Tank Notice List 2023

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 LORAIN 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

Gunbarrel View: Avogato 30-31 and Red Tank 30-31



-  Approved CLGC Well
-  2023 CLGC Candidate
-  Offset Well

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

**IN THE MATTER OF APPLICATION FOR
A PILOT PROJECT INVOLVING INTERMITTENT
INJECTION OF GAS FOR THE PURPOSE OF
TEMPORARY STORAGE SUBMITTED BY
OXY USA, INC.**

**CASE NO. 25287
ORDER NO. R-24146**

ORDER

The Director of the New Mexico Oil Conservation Division ("OCD"), having heard this matter through a Hearing Examiner on May 8, 2025, and after considering the testimony, evidence, and recommendation of the Hearing and Technical Examiners, issues the following Order.

FINDINGS OF FACT

1. Due public notice has been given, and the OCD has jurisdiction of this case and its subject matter.
2. Oxy USA, Inc. ("Applicant") with this application ("Application") seeks to operate a closed loop gas capture ("CLGC") pilot project ("Project") which shall involve the intermittent injection of produced gas into selected production well(s) for the purpose of temporary storage and recovery during temporary interruptions of gas pipeline services ("CLGC event"). The Project is intended to prevent waste, reduce impacts associated with temporary interruptions of gas pipeline services, and to develop standard practices for similar projects.
3. Applicant was approved to operate a Project on April 6, 2022, though Order R-22101. That Project included injection into three (3) wells with a project area consisting of the following lands:

Township 22 South, Range 33 East, N.M.P.M.

Section 30: All

Section 31: All

4. Applicant was approved to operator a Project on April 6, 2022, though Order R-22102. That Project included injection into the Taco Cat 27 34 Federal Com No. 11H (API No. 30-025-44933). The project area for Order R-22101 was incorrectly referenced in Order R-22102. The intended project area for R-22102 consisted of the following lands:

Township 22 South, Range 32 East, N.M.P.M.

**BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. B
Submitted by: OXY USA INC.
Hearing Date: August 6, 2026
Case No. 26298**

Section 27: W/2 W/2

Section 34: W/2 W/2

5. In Order R-21777, OCD approved a horizontal spacing unit (“HSU”) for the Taco Cat 27 34 Federal Com No. 11H (API No. 30-025-44933) on July 16, 2021, that consists of all of Sections 27 and 34 in Township 22 South, Range 32 East, N.M.P.M..
6. Applicant sought to consolidate the Projects approved through Orders R-22101 and R-22102 with its application submitted for Case 23427 on March 7, 2023. Applicant failed to provide notice for the entirety of the newly proposed project area. In Order R-22101-A, issued on November 1, 2024, OCD approved the addition of wells to the Project approved through R-22101. The Project approved through Order R-22102 was allowed to lapse.
7. Several plugged wells in proximity to the Project approved through Orders R-22101 and R-22101-A have the Brushy Canyon formation of the Delaware Mountain Group and Avalon formation commingled within their well bores. These include the Mule Deer 36 State No. 5 (API No. 30-025-33239), Coriander AOC State No. 2 (API No. 30-025-33574), and Coriander AOC State No. 1 (API No. 30-025-33531) (“Plugged Wells”). The wells approved for injection that are placed within the Avalon and the west half of Sections 30 and 31 in Township 22 South, Range 33 East N.M.P.M. are the Avogato 30 31 State Com No. 11H (API No. 30-025-45956), Avogato 30 31 State Com No. 13H (API No. 30-025-45958), and Avogato 30 31 State Com No. 12H (API No. 30-025-45957) (“West Half Avalon CLGC Wells”). The Mule Deer 36 State No. 4 (API No. 30-025-33107) is located in the northeast quarter of the northeast quarter of Section 36 in Township 22 South, Range 32 East N.M.P.M., is placed within the Brushy Canyon and Avalon formations, and may serve as a monitor well to gather data during injection events into the West Half Avalon CLGC Wells.
8. Order R-22101-A authorized Applicant to include the West Half Avalon CLGC Wells provided that it could monitor reservoir conditions using the Mule Deer 36 State No. 4 (API No. 30-025-33107). Applicant plugged the Mule Deer 36 State No. 4 on January 14, 2025, and it is no longer able to use it to monitor reservoir conditions.
9. At hearing, Applicant presented through affidavits and expert witness testimony the following evidence in support of the Application.
 - a. Applicant selected one or more producing oil and gas wells (“CLGC Well(s)”) identified in Exhibit A in which to intermittently inject gas delivered by a common gas gathering system.
 - b. Applicant proposed an area described in Exhibit A in which the Project shall be confined (“Project Area”). The Project Area is comprised of the lease(s) containing

each CLGC Well and may include the adjacent lease(s) that are owned or operated by Applicant.

- c. Applicant provided a general description and timeline of the Project.
- d. Applicant provided a lease map which depicts the Project Area, lateral(s) of each CLGC Well, and the area which the gathering system incorporates including affected compressor stations.
- e. Applicant proposed a maximum allowable surface pressure ("MASP") of 1,300 pounds per square inch ("psi") for each CLGC Well which will not endanger the mechanical integrity of the well or fracture the formation.
- f. Applicant provided geologic and reservoir information to demonstrate that the injected fluids will enter only the pool(s) from which the CLGC Well(s) produce and will not affect correlative rights or migrate into other formations or protectable waters.
- g. Applicant provided construction details for each CLGC Well and every well with a segment within one-half (½) mile of any segment of a CLGC Well.
- h. The casing and cementing of each CLGC Well is or will be sufficient prior to injection to prevent leakage and prevent movement of formation or injected fluid from the injection zone into another zone or to the surface around the outside of a casing string in accordance with 19.15.26.9 NMAC.
- i. Applicant conducted or intends to conduct a mechanical integrity test ("MIT") upon each CLGC Well prior to injection which consisted of holding a pressure of at least one hundred ten percent (110%) of the proposed MASP or 500 psi, whichever is greater, within the annulus of the production casing.
- j. Applicant provided or intends to provide a cement bond log ("CBL") which demonstrates the placement of cement and cement bond of the production casing and the tie-in of the production casing with the next prior casing for each CLGC Well.
- k. Applicant provided a summary of its operational plan to ensure safe operation and efficient response in the event of an emergency, including a supervisory control and data acquisition ("SCADA") system to monitor and collect relevant data.
- l. Applicant proposed a method ("CLGC Allocation Plan") to allocate gas production during the period in which injected gas is being recovered.

- m. Applicant provided an affirmative statement that it 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.
 - n. Applicant provided an affirmative statement that it has examined the available geologic and engineering data and determined that the total recoverable volume of hydrocarbons from the reservoir will not be adversely affected by the Project.
 - o. Applicant identified the source(s) of the gas to be injected during the Project, conducted an analysis of it, and either proposed a corrosion prevention plan to assure the integrity of the CLGC Well(s) ("Corrosion Prevention Plan") or certified that a Corrosion Prevention Plan is unnecessary to assure the integrity of the CLGC Well(s).
10. Applicant provided a copy of the Application by certified or registered mail to the surface owner for each CLGC Well surface location and to each leasehold operator and other affected person(s), as defined in 19.15.2.7(A) NMAC, within any tract wholly or partially contained within one-half (1/2) mile of the well, in accordance with 19.15.26.8(B)(2) NMAC.
11. Applicant published public notice of the Application in a newspaper of general circulation in the county in which the Project is located, in accordance with 19.15.26.8(C)(1) NMAC.
12. No other party presented evidence at the hearing.

CONCLUSIONS OF LAW

13. OCD does not have in place a process to administratively approve this Application. Accordingly, applications of this type are considered on a case-by-case basis and authorized by means of a hearing order.
14. Applicant is in compliance with 19.15.5.9(A) NMAC.
15. Applicant provided notice of the hearing in accordance with 19.15.4.9 NMAC.
16. Applicant has proposed a method of allocation, that is reasonable and shall provide adequate protection of correlative rights.
17. Operation of the Project shall be in compliance with 19.15.26.10 NMAC.
18. Due to the proximity of the Plugged Wells to the Proposed Project Area and the Brushy Canyon and Avalon formations being commingled within their well bores, a safeguard should be in place to ensure that the injectant in this Project is confined to the pool(s) from which the Proposed CLGC Wells produce and will not affect correlative rights or migrate into other formations or protectable waters. Applicant can no longer monitor the Mule Deer 36 State No.

4 (API No. 30-025-33107) during and following injection events into the West Half Avalon CLGC Wells due to it being plugged. Approval to include the West Half Avalon CLGC Wells in the Project should be rescinded.

19. Having considered the evidence, approval of the Project with specific conditions shall enable the Applicant to prevent waste while protecting correlative rights, public health, and the environment.

ORDER

20. Applicant is authorized to operate a closed loop gas capture pilot project which shall involve the intermittent injection of gas into the production well(s) identified in Exhibit A and which have been approved by the OCD Engineering Bureau to be placed in service for the purpose of temporary storage and recovery to prevent waste, reduce impacts associated with temporary interruptions of gas pipeline services, and to develop standard practices for similar projects.
21. Applicant (OGRID No. 16696) is designated as the operator of the Project.
22. The Project Area shall comprise the lands described in Exhibit A.
23. Approval to include the West Half Avalon CLGC Wells in the Project is rescinded. Any West Half Avalon CLGC Wells currently in service to receive injection shall immediately be taken out of service.
24. The authority granted by this Order shall terminate two (2) years after the date of approval, provided however OCD, upon receipt of a written request submitted before the termination date and for good cause shown, may extend the authority granted by this Order. Required to be included with this request is a summary report.
25. This Order supersedes Order R-22101-A. Order R-22101 shall be void with the approval of this Order.
26. No later than six (6) months after issuance of this Order, Applicant shall conduct a MIT on any CLGC Well which has not had a MIT conducted upon it after December 1, 2023. The MIT shall be conducted in accordance with Paragraph 30 of this Order.
27. The MASP for each CLGC Well shall be 1,300 psi. Applicant shall install equipment to limit the production casing pressure to less than or equal to the MASP and incorporate procedures into its operational plan to allow the safe reduction or cessation of injection to prevent the production casing pressure from exceeding the MASP.

28. Applicant shall allocate gas production during the period in which injected gas is being recovered as detailed in the CLGC Allocation Plan approved by OCD, provided however OCD, upon receipt of a written request from Applicant or upon its own determination that correlative rights may be harmed, may modify the CLGC Allocation Plan.
29. OCD has made the following modifications to the allocation method proposed by Applicant:
 - a. If a CLGC Well has had less than twenty-four (24) hours of injection over a seven (7) day period, then Applicant shall dedicate a test separator to the CLGC Well for a period not less than forty-eight (48) hours following the CLGC event.
 - b. If a CLGC Well has had more than twenty-four (24) hours of injection over a seven (7) day period, then Applicant shall dedicate a test separator to the CLGC Well for a period not less than seven (7) days following the CLGC event.
 - c. If one hundred percent (100%) of the injected gas is recovered from a CLGC Well during the above specified time period, then Applicant is no longer required to dedicate a test separator to it.
 - d. Following the above specified time period during which Applicant dedicates a test separator to a CLGC Well and if one hundred percent (100%) of the injected gas has not been recovered, then Applicant shall increase the frequency of well tests conducted on the CLGC Well as much as is feasible until the injected gas is no longer being recovered.
30. Applicant shall conduct MITs pursuant to 19.15.26.11 NMAC on each CLGC Well in accordance with the following requirements:
 - a. A MIT shall consist of isolating the production casing from the reservoir by setting a retrievable bridge plug or packer not less than one hundred (100) feet below the top of the upper confining layer identified in Exhibit B, loading the production casing with an inert fluid, and conducting a pressure test with a pressure drop of not more than ten percent (10%) over a thirty (30) minute period.
 - b. The appropriate inspection supervisor shall be notified no less than three (3) business days prior to conducting the MIT.
 - c. A chart recorder with a maximum two (2) hour clock and an appropriate maximum pound spring and which has been calibrated within the six (6) months prior to conducting the test shall be used during each MIT. Copies of the chart shall be submitted to OCD with a Form C-103 within thirty (30) days following the test date.

- d. No more than one (1) year prior to submission of the Application, a MIT shall be conducted to a pressure of at least one hundred ten percent (110%) of the MASP or 500 psi, whichever is greater.
 - e. No later than six (6) months after the Project has terminated, a MIT shall be conducted to a pressure of at least 500 psi.
 - f. Additional MITs shall be conducted as directed by OCD.
31. For any CLGC Well that the Applicant intends to inject via the tubing, Applicant shall submit a Form C-103 for review and approval by OCD with a detailed summary of their downhole configuration prior to commencement of injection.
32. Applicant shall install and maintain a SCADA system approved by OCD. The information collected during the active Project shall be maintained and made available to OCD upon request for no less than five (5) years after the cessation of the project, including:
- a. for each CLGC Well, the oil and gas production and injection flow rates, tubing pressure, and annulus pressure for all casing strings; and
 - b. for each well required by OCD as described in Exhibit B, the oil and gas production and injection flow rates and production casing pressure.
33. Prior to initially placing each CLGC Well into service and available for injection, Applicant shall submit a notice of intent on Form C-103, notify the OCD Engineering Bureau at ocd.engineer@emnrd.nm.gov, and await approval from the OCD Engineering Bureau to place the CLGC Well into service. The notice of intent shall include the following content:
- a. The results of the most recent MIT conducted upon the CLGC Well.
 - b. Confirmation that OCD has on record a CBL that demonstrates the placement of cement and cement bond of the production casing and the tie-in of the production casing with the next prior casing.
 - c. Confirmation that equipment is installed to limit the injection pressure to less than or equal to the MASP.
 - d. Confirmation that equipment to monitor the casing annulus pressure(s) and injection rate is installed.
34. For each CLGC Well, Applicant shall submit a Form C-115 in accordance with 19.15.7.24 NMAC and 19.15.26.13 NMAC or as otherwise directed by OCD.

35. Applicant shall monitor the production casing pressure and injection rate while injecting into a CLGC Well during each CLGC event. If any indication that a leak in the production casing occurs, then Applicant shall:
- a. immediately cease injection into the CLGC Well;
 - b. within twenty-four (24) hours notify the OCD Engineering Bureau at ocd.engineer@emnrd.nm.gov;
 - c. within thirty (30) days perform a MIT or other test approved by OCD demonstrating the well integrity of the CLGC Well and submit the results on Form C-103 to the OCD Engineering Bureau; and
 - d. not recommence injection into the CLGC Well until OCD grants approval.
36. Applicant shall monitor the casing annulus pressure(s) while injecting into a CLGC Well during each CLGC event. For casings other than the production casing whenever the pressure increases over normal operational conditions:
- a. more than 50 psi within the surface casing annulus or 100 psi within any intermediate casing annulus, Applicant shall notify the OCD Engineering Bureau at ocd.engineer@emnrd.nm.gov within twenty-four (24) hours; and
 - b. more than 200 psi within the surface casing anulus or 500 psi within any intermediate casing annulus, Applicant shall:
 - i. immediately cease injection into the CLGC Well;
 - ii. within thirty (30) days, submit a Form C-103 to the OCD Engineering Bureau containing a summary of the event that includes the cause for the pressure increase, description of any remedial actions and a revised operational plan to reduce and maintain the pressure below the thresholds described in Subparagraph b of this Ordering Paragraph; and
 - iii. not recommence injection into the CLGC Well until OCD has approved the revised operational plan.
37. For each CLGC Well, production shall occur via the tubing.
38. Applicant shall follow the approved Corrosion Prevention Plan if applicable. If the composition of the injectant being injected into a CLGC Well becomes inherently more corrosive than the composition approved by OCD, Applicant shall:

- a. immediately cease injection into the CLGC Well;
 - b. within twenty-four (24) hours, notify the OCD Engineering Bureau at ocd.engineer@emnrd.nm.gov;
 - c. within thirty (30) days, submit a Form C-103 to the OCD Engineering Bureau describing the alteration to the injectant's composition and a revised Corrosion Prevention Plan which addresses the effect of the alteration or a certification from a qualified person that no revision to the Corrosion Prevention Plan is required; and
 - d. not recommence injection into the CLGC Well until OCD has approved the revised Corrosion Prevention Plan or certification that no revision to the Corrosion Prevention Plan is required.
39. If the casing of a CLGC Well fails or fluids leak from or around the CLGC Well or any well with a segment within one-half ($\frac{1}{2}$) mile of any segment of a CLGC Well, Applicant shall:
 - a. immediately cease injection into every well with a segment within one-half ($\frac{1}{2}$) mile of any segment of the well from which fluids are leaking from or around;
 - b. immediately notify the OCD Engineering Bureau Chief at the emergency contact number;
 - c. within twenty-four (24) hours, notify the OCD Engineering Bureau at ocd.engineer@emnrd.nm.gov; and
 - d. take all necessary steps and actions required and approved by OCD to correct the failure or leakage.
40. Applicant shall provide to the OCD Engineering Bureau at ocd.engineer@emnrd.nm.gov, project status updates every three (3) months after the approval of this Order and a summary report no later than three (3) months after the cessation of the Project or upon request from OCD. Status updates shall include a summary of actions taken that are related to the Project and a summary of any identified problems and the corresponding mitigations or remedial actions. Status updates may but are not required to include summaries of individual CLGC events that are not related to an identified problem. The summary report(s) shall include:
 - a. a summary of all project-related activity;
 - b. a review and supporting data regarding any identified problems and the solutions implemented to solve or mitigate them;

- c. for each CLGC event, a summary of the results, including for each CLGC Well in which injection occurred (“involved CLGC Well”):
 - i. average and maximum injection flow rates;
 - ii. injection duration; and
 - iii. total injected volume.
 - d. for each CLGC event, the following data graphed and tabulated with a resolution of at least: one (1) data point per hour beginning twenty-four (24) hours before the injection, four (4) data points per hour during the injection, and one (1) data point per hour ending twenty-four (24) hours after the injection:
 - i. for each involved CLGC Well, the oil and gas production and injection flow rates and annulus pressure of all casing strings; and
 - ii. for each offset well to each involved CLGC Well as described in Exhibit B, the oil and gas production and injection flow rates and production casing pressure.
 - e. for each CLGC event, a recovery profile for each involved CLGC Well and for each offset well of a CLGC Well described in Exhibit B which experienced a change in production casing pressure or production during or immediately following the CLGC event. The volume of recovered gas shall be determined by taking the difference between the gas production following the injection and baseline production. The baseline production shall be determined by using production history to plot a production curve that estimates what the production would have been had injection not occurred. The recovery profile shall include:
 - i. a summary of the results, including the volume and percent of total production recovered and the duration of time required to achieve that recovery; and
 - ii. a tabulation of daily oil and gas production and baseline production totals; beginning a week before the CLGC event and ending when either the gas production is near equal to its baseline production or another CLGC event occurs for an involved CLGC Well.
41. Based on Applicant’s allocation of production to leases and pools related to the Project, the following modifications shall be part of this Order provided that Applicant has demonstrated an effort to comply with the original requirements:

- a. Applicant is exempt from providing data points for oil and gas production from CLGC Wells for time prior to a CLGC event which it is unable to measure but shall provide its best estimate for production and an explanation for why the production was unable to be measured.
 - b. Applicant is exempt from providing data points for oil and gas production from offset wells it is unable to measure but shall provide its best estimate for production and an explanation for why the production was unable to be measured.
42. This Order does not grant an exception to 19.15.12.9 NMAC. Applicant shall not commingle oil or gas production from different pools or leases or transport oil or gas production from a lease until approval to do so has been granted by OCD in accordance with 19.15.12.10 NMAC or 19.15.23.9 NMAC, as applicable.
43. Applicant shall comply with all applicable OCD rules and any other state, federal, or local law or regulation and if the Project causes any harm or damage or threat of harm or damage to protectable fresh water, public health, or the environment.
44. OCD retains jurisdiction of this case for the entry of such further orders as may be deemed necessary.

**STATE OF NEW MEXICO
OIL CONSERVATION DIVISION**



**ALBERT C. S. CHANG
DIRECTOR**

AC/dm

Date: 12/14/2025

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

Case Number: 23427
Order Number: R-24146
Operator: Oxy USA, Inc. (16696)

Project Pools

Pool Name	Pool Code
RED TANK; BONE SPRING	51683
RED TANK; BONE SPRING, EAST	51687

Project Area (NMPM)

UL or Q/Q	S-T-R
All	27-22S-32E
All	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
30-025-45959	Avogato 30 31 State Com #14H	E/2	30-22S-33E	51687
		E/2	31-22S-33E	
30-025-44161	Red Tank 30 31 State Com #24Y	E/2 E/2	30-22S-33E	51687
		E/2 E/2	31-22S-33E	
30-025-44193	Red Tank 30 31 State Com #14H	E/2 E/2	30-22S-33E	51687
		E/2 E/2	31-22S-33E	
30-025-45923	Avogato 30 31 State Com #4H	E/2	30-22S-33E	51687
		E/2	31-22S-33E	
30-025-45924	Avogato 30 31 State Com #21H	W/2	30-22S-33E	51687
		W/2	31-22S-33E	
30-025-45925	Avogato 30 31 State Com #22H	W/2	30-22S-33E	51687
		W/2	31-22S-33E	
30-025-45926	Avogato 30 31 State Com #23H	W/2	30-22S-33E	51687
		W/2	31-22S-33E	
30-025-45960	Avogato 30 31 State Com #24H	E/2	30-22S-33E	51687
		E/2	31-22S-33E	
30-025-45961	Avogato 30 31 State Com #25H	E/2	30-22S-33E	51687
		E/2	31-22S-33E	
30-025-45964	Avogato 30 31 State Com #74H	E/2	30-22S-33E	51687
		E/2	31-22S-33E	
30-025-44933	Taco Cat 27 34 Federal Com #11H	All	27-22S-32E	51683
		All	34-22S-32E	
30-025-44934	Taco Cat 27 34 Federal Com #21H	All	27-22S-32E	51683
		All	34-22S-32E	

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit B

Case Number: 23427
Order Number: R-24146
Operator: Oxy USA, Inc. (16696)

CLGC Wells and Offset Wells

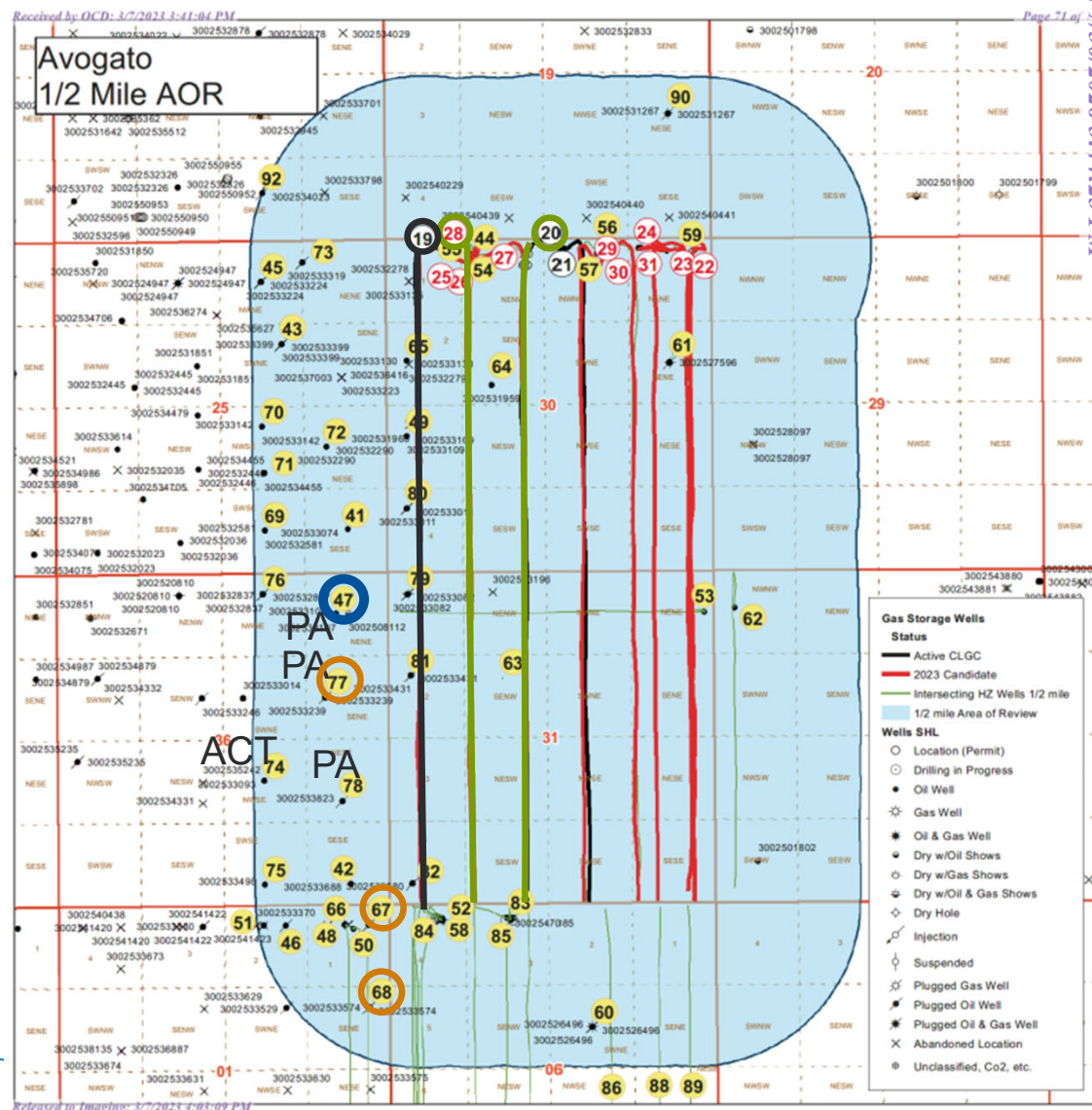
Well API 30-025-45959	Well Name Avogato 30 31 State Com #14H Upper Confining Layer: Low porosity and permeability limestone found at approximately 9,000 ft to 9,300 ft MD in the Red Tank 30 State #3 (30-025-27596)	MASP: 1,300 psi
	Offset Well API 30-025-44193 30-025-45958	Offset Well Name Red Tank 30 31 State Com #14H Avogato 30 31 State Com #13H
Well API 30-025-44161	Well Name Red Tank 30 31 State Com #24Y Upper Confining Layer: Low permeability limestone found at approximately 10,150 ft to 10,600 ft MD in the Red Tank 30 State #3 (30-025-27596)	MASP: 1,300 psi
	Offset Well API 30-025-41885 30-025-45961	Offset Well Name Red Tank 31 State #5H Avogato 30 31 State Com #25H
Well API 30-025-44193	Well Name Red Tank 30 31 State Com #14H Upper Confining Layer: Low porosity and permeability limestone found at approximately 9,000 ft to 9,300 ft MD in the Red Tank 30 State #3 (30-025-27596)	MASP: 1,300 psi
	Offset Well API 30-025-45959	Offset Well Name Avogato 30 31 State Com #14H
Well API 30-025-45923	Well Name Avogato 30 31 State Com #4H Upper Confining Layer: Interbedded low permeability limestone and shale found at approximately 9,650 ft to 9,900 ft MD in the Red Tank 30 State #3 (30-025-27596)	MASP: 1,300 psi
	Offset Well API N/A	Offset Well Name N/A

Well API 30-025-45924	Well Name Avogato 30 31 State Com #21H Upper Confining Layer: Low permeability limestone found at approximately 10,150 ft to 10,600 ft MD in the Red Tank 30 State #3 (30-025-27596)	MASP: 1,300 psi
	Offset Well API 30-025-41885 30-025-45925	Offset Well Name Red Tank 31 State #5H Avogato 30 31 State Com #22H
Well API 30-025-45925	Well Name Avogato 30 31 State Com #22H Upper Confining Layer: Low permeability limestone found at approximately 10,150 ft to 10,600 ft MD in the Red Tank 30 State #3 (30-025-27596)	MASP: 1,300 psi
	Offset Well API 30-025-41885 30-025-45924	Offset Well Name Red Tank 31 State #5H Avogato 30 31 State Com #21H
Well API 30-025-45926	Well Name Avogato 30 31 State Com #23H Upper Confining Layer: Low permeability limestone found at approximately 10,150 ft to 10,600 ft MD in the Red Tank 30 State #3 (30-025-27596)	MASP: 1,300 psi
	Offset Well API 30-025-41885 30-025-45925 30-025-45960	Offset Well Name Red Tank 31 State #5H Avogato 30 31 State Com #22H Avogato 30 31 State Com #24H
Well API 30-025-45960	Well Name Avogato 30 31 State Com #24H Upper Confining Layer: Low permeability limestone found at approximately 10,150 ft to 10,600 ft MD in the Red Tank 30 State #3 (30-025-27596)	MASP: 1,300 psi
	Offset Well API 30-025-41885 30-025-45961 30-025-45926	Offset Well Name Red Tank 31 State #5H Avogato 30 31 State Com #25H Avogato 30 31 State Com #23H
Well API 30-025-45961	Well Name Avogato 30 31 State Com #25H Upper Confining Layer: Low permeability limestone found at approximately 10,150 ft to 10,600 ft MD in the Red Tank 30 State #3 (30-025-27596)	MASP: 1,300 psi
	Offset Well API 30-025-41885 30-025-45960 30-025-44161	Offset Well Name Red Tank 31 State #5H Avogato 30 31 State Com #24H Red Tank 30 31 State Com #24Y

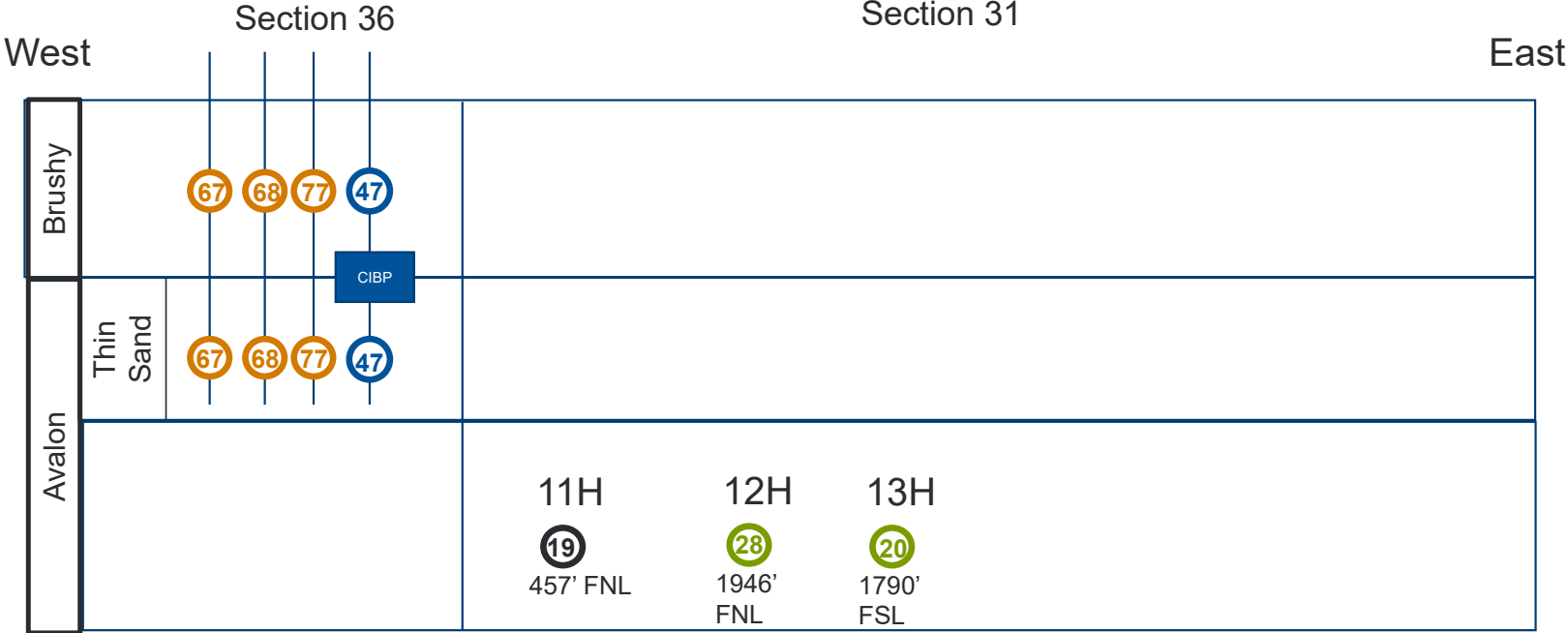
Well API 30-025-45964	Well Name Avogato 30 31 State Com #74H Upper Confining Layer: Interbedded low porosity and permeability silts, shales, and limestones found at approximately 11,050 ft to 11,200 ft MD in the Red Tank 30 State #3 (30-025-27596)	MASP: 1,300 psi
	Offset Well API N/A	Offset Well Name N/A
Well API 30-025-44933	Well Name Taco Cat 27 34 Federal Com #11H Upper Confining Layer: Low porosity and permeability limestone found at approximately 9,000 ft to 9,300 ft MD in the Red Tank 30 State #3 (30-025-27596)	MASP: 1,300 psi
	Offset Well API N/A	Offset Well Name N/A
Well API 30-025-44934	Well Name Taco Cat 27 34 Federal Com #21H Upper Confining Layer: Low permeability limestone found at approximately 10,150 ft to 10,600 ft MD in the Red Tank 30 State #3 (30-025-27596)	MASP: 1,300 psi
	Offset Well API N/A	Offset Well Name N/A

AREA OF REVIEW MAP

- Observation well, PA'd 2025
 - (47, AOR Well ID) Mule Deer State #4
- Substandard PA wells (PA'd with DMG and BS perfs in communication)
 - (67) Coriander AOC State #2
 - (68) Coriander AOC State #1
 - (77) Mule Deer 36 State #5
- Pressure sink well, Avogato AVL, CLGC out of service, to remain producer only
 - (19) Avogato 30 31 State Com #11H
- Avogato AVL, CLGC out of service, to be re-permitted
 - (28) Avogato 30 31 State Com #12H
 - (20) Avogato 30 31 State Com #13H



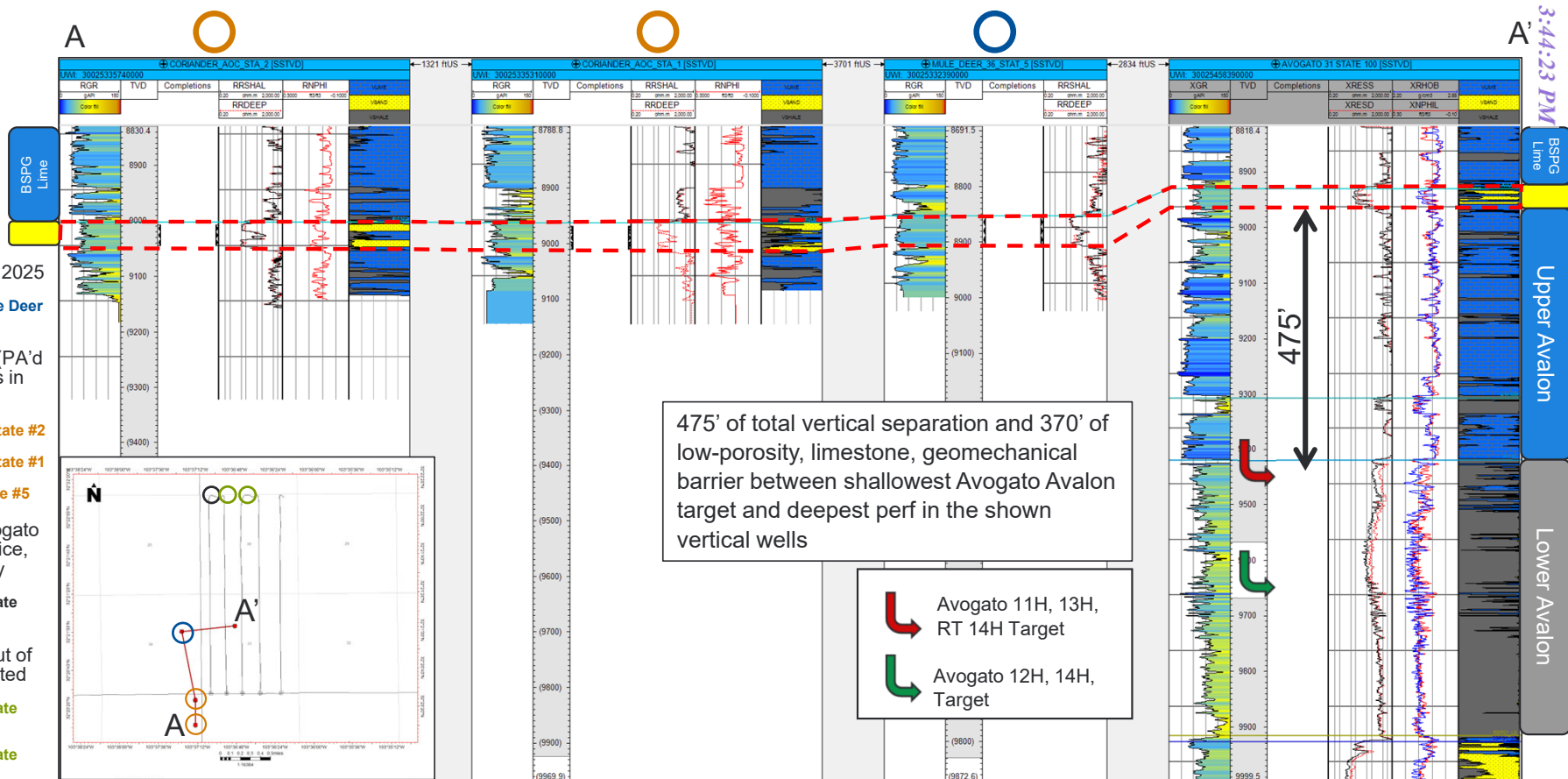
GUNBARREL VIEW



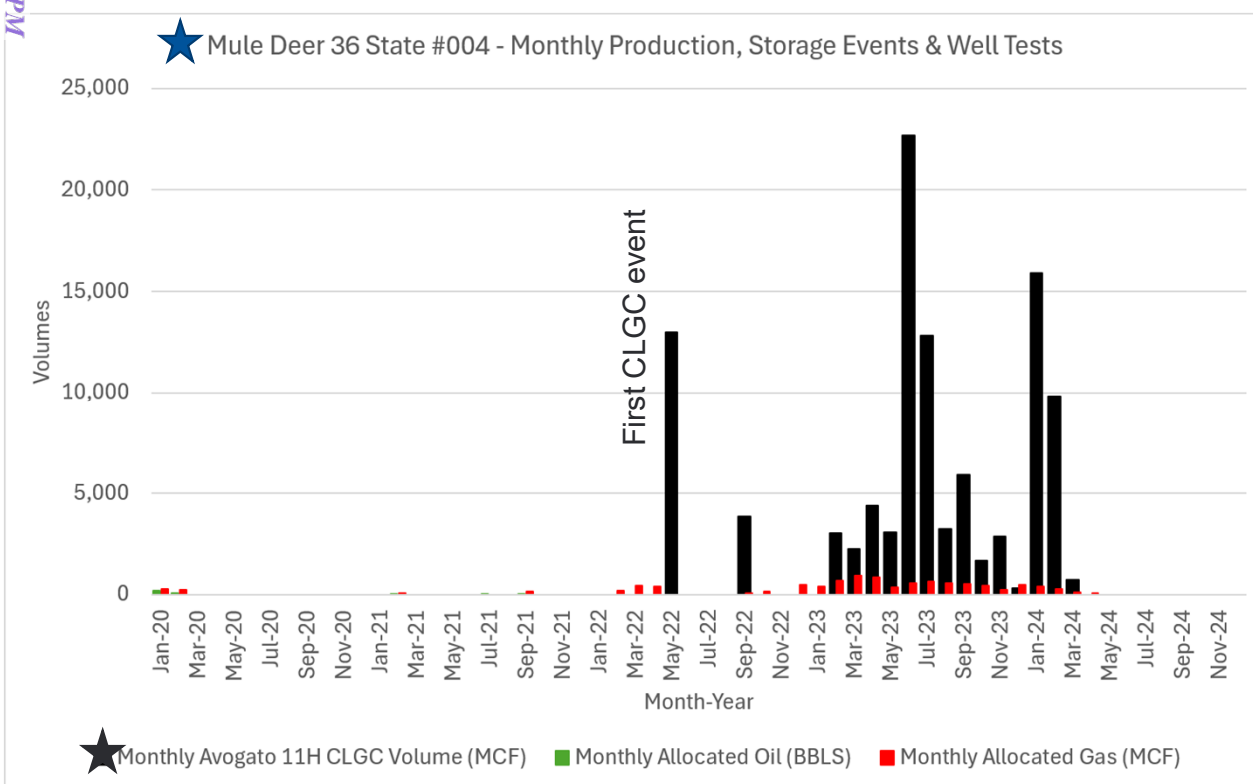
- Pressure Observation well
- Substandard PA wells
- Pressure Sink well
- CLGC wells to Repermit



AVOGATO DSU CROSS SECTION

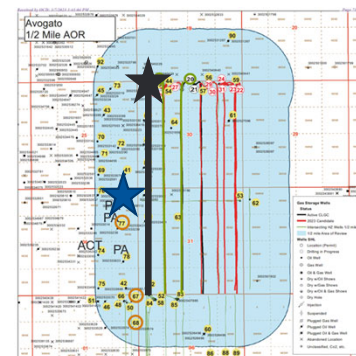


CLGC WELL AND OFFSET OBSERVATION WELL

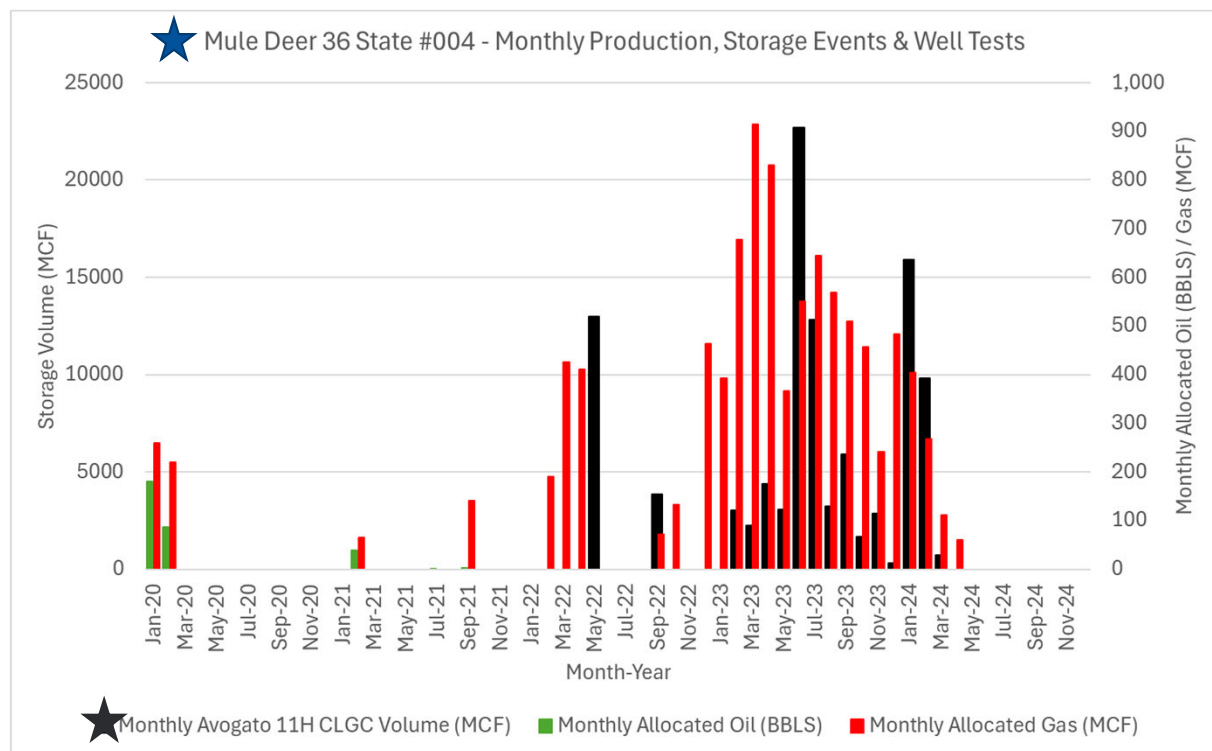


Info

- CLGC well
 - ★ Avogato 11H
 - Plotted Event Storage **Volume**
- Observation well
 - ★ Mule Deer 36 State #004
 - Well was shut in during 2020-2021 due to covid.
 - Plotted Monthly allocated **Oil** and **Gas**



CLGC WELL AND OFFSET OBSERVATION WELL, 2 Y-AXIS

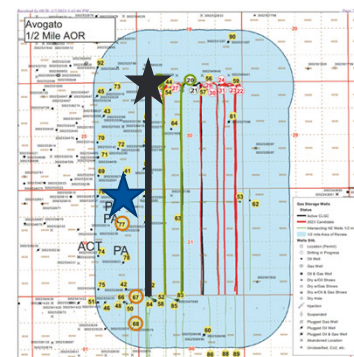


Info

- CLGC well
 - ★ Avogato 11H
 - Plotted Event Storage **Volume**
- Observation well
 - ★ Mule Deer 36 State #004
 - Well was shut in during 2020-2021 due to covid.
 - Plotted Monthly allocated **Oil** and **Gas**

Findings

- No correlation between offset observation well's production and CLGC events.



PROPOSED SOLUTION

1. Utilize **Avogato 30 31 State Com #11H** as a producer, observation well, and “pressure sink” barrier so CLGC does not flow to the **3 sub-standard plugged and abandoned wells**
2. Reauthorize **(28) Avogato 30 31 State Com #12H** and **(20) Avogato 30 31 State Com #13H** for CLGC utilization.

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

**APPLICATION OF OXY USA INC. TO AMEND
ORDER NO. R-24146 TO RE-AUTHORIZE CERTAIN
WELLS UNDER THE ORIGINAL ORDER AND
EXTEND THE PILOT PROJECT FOR TWO YEARS,
LEA COUNTY, NEW MEXICO.**

**CASE NO. 26298
ORDER NO. R-24146**

**SELF-AFFIRMED STATEMENT OF
ADAM G. RANKIN**

1. I am attorney in fact and authorized representative of OXY USA Inc., (“OXY”), the Applicant herein. I have personal knowledge of the matter addressed herein and am competent to provide this self-affirmed statement.

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

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

4. 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 July 24, 2026.

5. I caused a notice to be published to all parties subject to these proceedings. An affidavit of publication from the publication’s legal clerk with a copy of the notice of publication is attached herein.

6. 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.

**BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. E
Submitted by: OXY USA INC.
Hearing Date: August 6, 2026
Case No. 26298**



Adam G. Rankin

07/30/26

Date



Paula M. Vance
Associate
Phone (505) 988-4421
Email pmvance@hollandhart.com

June 18, 2026

VIA CERTIFIED MAIL
CERTIFIED RECEIPT REQUESTED

TO: ALL AFFECTED PARTIES

Re: Application of OXY USA Inc. to Amend Order No. R-24146 to Re-Authorize Certain Wells Under the Original Order and Extend the Pilot Project for Two Years, 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 July 9, 2026, and the status of the hearing can be monitored through the Division's website at <https://www.emnrd.nm.gov/ocd/>.

It is anticipated that hearings will be held in a hybrid format with both in-person and virtual participation options. The meeting will be held in the Pecos Hall Hearing Room at the Wendall Chino Building, 1st Floor, 1220 South St. Francis Dr., Santa Fe, New Mexico. To participate virtually in the 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,

A handwritten signature in blue ink, appearing to read "Paula M. Vance".

Paula M. Vance
ATTORNEY FOR OXY USA INC.

T 505.954.3669 F 505.983.6043
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Mail to: P.O. Box 2208, Santa Fe, NM 87504-2208
www.hollandhart.com

Alaska
Colorado
Idaho

Montana
Nevada
New Mexico

Utah
Washington, D.C.
Wyoming

Oxy - Red Tank Taco Cat re-file - 11H and 21H Amend Order R-24146 - Case no. 26298
Postal Delivery Report

9414811898765520453224	2019 Permian Basin JV	PO Box 10	Folsom	LA	70437-0010	Your item has been delivered and is available at a PO Box at 12:19 pm on June 26, 2026 in FOLSOM, LA 70437.
9414811898765520453200	A.J. Losee	PO Box 1720	Artesia	NM	88211-1720	Your item was picked up at the post office at 9:11 am on June 30, 2026 in ARTESIA, NM 88210.
9414811898765520453293	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 11:55 am on June 24, 2026 in PLANO, TX 75024.
9414811898765520453286	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 11:13 am on July 21, 2026 in SANTA FE, NM 87501.
9414811898765520453231	Anne Ransome-Losee	3505 Calle Cuervo NW Apt 218	Albuquerque	NM	87114-9212	Your item has been delivered to the original sender at 11:26 am on July 7, 2026 in SANTA FE, NM 87501.
9414811898765520453279	Arthur Dow	324 Yucca Dr NW	Albuquerque	NM	87105-1935	Your item could not be delivered on July 11, 2026 at 1:35 pm in ALBUQUERQUE, NM 87105. It was held for the required number of days and is being returned to the sender.
9414811898765520453811	Black Mountain Operating LLC	500 Main St Ste 1200	Fort Worth	TX	76102-3926	Your item has been delivered to the original sender at 11:11 am on July 8, 2026 in SANTA FE, NM 87501.
9414811898765520453866	Bradley S. Bates	2400 N Pecos St	Midland	TX	79705-7652	Your item has been delivered to the original sender at 11:11 am on July 8, 2026 in SANTA FE, NM 87501.
9414811898765520453828	Buckeye Energy Inc.	PO Box 3788	Midland	TX	79702-3788	Your item arrived at our USPS facility in OKLAHOMA CITY OK DISTRIBUTION CENTER on July 23, 2026 at 10:20 am. The item is currently in transit to the destination.
9414811898765520453804	Bullhead Energy LLC	PO Box 3445	Midland	TX	79702-3445	This is a reminder to arrange for redelivery of your item or your item will be returned to sender.
9414811898765520453842	Bureau of Land Management	620 E Greene St	Carlsbad	NM	88220-6292	Your item was delivered to the front desk, reception area, or mail room at 11:47 am on June 26, 2026 in CARLSBAD, NM 88220.
9414811898765520453880	Bureau of Land Management	301 Dinosaur Trl	Santa Fe	NM	87508-1560	Your item was delivered to the front desk, reception area, or mail room at 10:28 am on June 23, 2026 in SANTA FE, NM 87508.
9414811898765520453835	Burlington Resources Oil & Gas Co LP	P.O. Box 518100	Midland	TX	79710	Your item arrived at our MIDLAND TX DISTRIBUTION CENTER destination facility on July 23, 2026 at 12:07 pm. The item is currently in transit to the destination.

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9414811898765520453873	C. W. Trainer	PO Box 3788	Midland	TX	79702-3788	Your item arrived at our USPS facility in OKLAHOMA CITY OK DISTRIBUTION CENTER on July 23, 2026 at 10:18 am. The item is currently in transit to the destination.
9414811898765520453712	Cal Mon Oil Company	200 N Loraine St Ste 1404	Midland	TX	79701-4753	Your item was delivered to an individual at the address at 1:28 pm on July 2, 2026 in MIDLAND, TX 79701.
9414811898765520453750	Campeche Petro LP	500 Commerce St Ste 600	Fort Worth	TX	76102-5477	Your item was delivered to the front desk, reception area, or mail room at 3:30 pm on June 24, 2026 in FORT WORTH, TX 76102.
9414811898765520453767	Cardinal Plastics Inc	PO Box 935	Odessa	TX	79760-0935	Your item was picked up at the post office at 10:46 am on July 9, 2026 in ODESSA, TX 79761.
9414811898765520453729	Carmine Scarcelli	2111 Wellington Ct	Midland	TX	79705-1700	Your item was picked up at a postal facility at 11:48 am on July 17, 2026 in MIDLAND, TX 79705.
9414811898765520453705	Carrie A. Haydel	149 14th St	New Orleans	LA	70124-1209	Your item was delivered to an individual at the address at 3:23 pm on June 27, 2026 in NEW ORLEANS, LA 70124.
9414811898765520453798	Chevron USA Inc.	1400 Smith St	Houston	TX	77002-7311	Your item has been delivered to an agent. The item was picked up at USPS at 3:50 pm on June 29, 2026 in HOUSTON, TX 77002.
9414811898765520453743	Chevron USA Inc.	Attn Land Dept., 6301 Deauville	Midland	TX	79706-2964	Your item was delivered to an individual at the address at 11:22 am on June 29, 2026 in MIDLAND, TX 79706.
9414811898765520453781	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 11:18 am on July 13, 2026 in SANTA FE, NM 87501.
9414811898765520453736	Conrad E Coffield	500 Rodeo Rd Apt 202	Santa Fe	NM	87505-6353	Your item was returned to the sender on June 23, 2026 at 12:16 pm in SANTA FE, NM 87505 because the addressee was not known at the delivery address noted on the package.
9414811898765520453774	Devon Energy Production Company LP	333 W Sheridan Ave	Oklahoma City	OK	73102-5010	Your item was picked up at the post office at 10:53 am on June 29, 2026 in OKLAHOMA CITY, OK 73102.
9414811898765520453910	Diance C. Prince	816 Connecticut Ave NW	Washington	DC	20006-2705	Your item was returned to the sender on July 2, 2026 at 1:25 pm in WASHINGTON, DC 20006 because the addressee was not known at the delivery address noted on the package.
9414811898765520453958	Elizabeth Losee	328 Sierra Pl NE	Albuquerque	NM	87108-1139	Your item has been delivered to the original sender at 11:26 am on July 7, 2026 in SANTA FE, NM 87501.
9414811898765520453965	EOG Resources Inc.	P.O. Box 840321	Dallas	TX	75284-0321	Your item has been delivered and is available at a PO Box at 5:19 pm on June 24, 2026 in DALLAS, TX 75284.

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9414811898765520453927	Eog Resources Inc.	Midland Division - Land Dept., 5509 Champ	Midland	TX	79706-2843	Your item has been delivered to an agent. The item was picked up at USPS at 8:13 am on July 2, 2026 in MIDLAND, TX 79706.
9414811898765520453903	Frederick Prince IV	816 Connecticut Ave NW	Washington	DC	20006-2705	Your item was returned to the sender on July 2, 2026 at 1:25 pm in WASHINGTON, DC 20006 because the addressee was not known at the delivery address noted on the package.
9414811898765520453996	Highpoint Operating Corp.	216 16th St Ste 1100	Denver	CO	80202-5115	Your item arrived at our USPS facility in DENVER CO DISTRIBUTION CENTER on July 15, 2026 at 7:15 am. The item is currently in transit to the destination.
9414811898765520453989	Jesus Salazar Family LP	2400 Rose Ave NW	Albuquerque	NM	87104-1942	Your item has been delivered to the original sender at 11:34 am on July 1, 2026 in SANTA FE, NM 87501.
9414811898765520453972	John Blackburn	PO Box 340535	Austin	TX	78734-0009	Your item was picked up at the post office at 9:54 am on July 15, 2026 in AUSTIN, TX 78734.
9414811898765520453651	Judith K Martin	25 Lakes Dr	Midland	TX	79705-1929	Your item was returned to the sender on July 21, 2026 at 8:53 am in MIDLAND, TX 79705 because it could not be delivered as addressed.
9414811898765520453620	Kastman Oil Company	PO Box 5930	Lubbock	TX	79408-5930	Your item has been delivered to an agent. The item was picked up at USPS at 8:07 am on June 30, 2026 in LUBBOCK, TX 79408.
9414811898765520453606	Kent H. Berger	203 W Wall St Ste 612	Midland	TX	79701-4555	Your item has been delivered to the original sender at 11:16 am on July 16, 2026 in SANTA FE, NM 87501.
9414811898765520453644	Lewis O. Campell	8111 Lamp Post Cir SE	Albuquerque	NM	87123	Your item has been delivered to the original sender at 12:03 pm on July 6, 2026 in SANTA FE, NM 87501.
9414811898765520453682	Losee Investments	PO Box 1720	Artesia	NM	88211-1720	Your item was picked up at the post office at 9:21 am on July 6, 2026 in ARTESIA, NM 88210.
9414811898765520453637	Lynn S. Charulk	2401 Stutz Pl	Midland	TX	79705-4931	Your item could not be delivered on July 20, 2026 at 9:01 am in MIDLAND, TX 79705. It was held for the required number of days and is being returned to the sender.
9414811898765520453118	Mackenroth Interests LLC	3601 N. I-40 Service Rd. West	Metairie	LA	70002	Your item was picked up at a postal facility at 10:27 am on July 2, 2026 in METAIRIE, LA 70002.
9414811898765520453156	Marathon Oil Permian LLC	5555 San Felipe St	Houston	TX	77056-2701	Your item has been delivered to the original sender at 11:06 am on July 2, 2026 in SANTA FE, NM 87501.
9414811898765520453163	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 9:49 am on June 23, 2026 in DALLAS, TX 75240.

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9414811898765520453125	MCM Permian LLC	PO Box 1540	Midland	TX	79702-1540	Your item was picked up at the post office at 9:46 am on July 8, 2026 in MIDLAND, TX 79701.
9414811898765520453194	MCNIC O&G Properties	1360 Post Oak Blvd	Houston	TX	77056-3030	Your item has been delivered to the original sender at 11:06 am on July 2, 2026 in SANTA FE, NM 87501.
9414811898765520453187	MRC Permian Co.	5400 Lbj Fwy Ste 1500	Dallas	TX	75240-1017	Your item was delivered to an individual at the address at 9:49 am on June 23, 2026 in DALLAS, TX 75240.
9414811898765520453132	New Mexico State Land Office	310 Old Santa Fe Trl	Santa Fe	NM	87501-2708	Your item was picked up at the post office at 10:06 am on June 23, 2026 in SANTA FE, NM 87501.
9414811898765520453354	New Mexico State Land Office	PO Box 1148	Santa Fe	NM	87504-1148	Your item was picked up at the post office at 10:02 am on June 23, 2026 in SANTA FE, NM 87501.
9414811898765520453361	PBEX Resources	223 W Wall St Ste 900	Midland	TX	79701-4567	Your item was delivered to an individual at the address at 10:13 am on July 7, 2026 in MIDLAND, TX 79701.
9414811898765520453323	Penwell Energy Inc.	600 N Marienfeld St Ste 1100	Midland	TX	79701-4395	Your item arrived at our MIDLAND TX DISTRIBUTION CENTER destination facility on July 15, 2026 at 1:13 pm. The item is currently in transit to the destination.
9414811898765520453309	Pioneer Exploration Ltd.	15603 Kuykendahl Rd Ste 219	Houston	TX	77090-3655	Your item was delivered to an individual at the address at 12:03 pm on July 6, 2026 in SANTA FE, NM 87501.
9414811898765520453392	PXP Producing LLC	717 Texas St Ste 2100	Houston	TX	77002-2753	Your item was returned to the sender on June 30, 2026 at 11:19 am in SANTA FE, NM 87501 because it could not be delivered as addressed.
9414811898765520453347	Robert M. Dow Revocable Trust	5136 Lomas De Atrisco Rd NW	Albuquerque	NM	87105-1569	Your item was delivered to an individual at the address at 11:05 am on July 2, 2026 in SANTA FE, NM 87501.
9414811898765520453385	SDS Properties Inc	PO Box 246	Roswell	NM	88202-0246	Your item was picked up at the post office at 11:52 am on July 6, 2026 in ROSWELL, NM 88201.
9414811898765520453330	Sealy Hutchings Cavin Inc.	504 N Wyoming Ave	Roswell	NM	88201-2169	Your item has been delivered to the original sender at 11:16 am on July 16, 2026 in SANTA FE, NM 87501.
9414811898765520453378	Silverstone Resources Inc	106 Row Three	Lafayette	LA	70508-4320	This is a reminder to arrange for redelivery of your item or your item will be returned to sender.
9414811898765520453019	South Highway 14 Bus Co	324 Yucca Dr NW	Albuquerque	NM	87105-1935	Your item could not be delivered on July 11, 2026 at 1:35 pm in ALBUQUERQUE, NM 87105. It was held for the required number of days and is being returned to the sender.

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9414811898765520453057	Southwest Royalties Inc	6 Desta Dr Ste 3700	Midland	TX	79705-5516	Your item was delivered to an individual at the address at 9:46 am on July 2, 2026 in MIDLAND, TX 79705.
9414811898765520453026	Strata Production Co	PO Box 1030	Roswell	NM	88202-1030	Your item was picked up at the post office at 10:39 am on July 2, 2026 in ROSWELL, NM 88201.
9414811898765520453002	The Gray Exploration Co	3601 N. I-40 Service Rd. West	Metairie	LA	70002	Your item was picked up at a postal facility at 10:27 am on July 2, 2026 in METAIRIE, LA 70002.
9414811898765520453095	The Ninety-Six Corp	550 W Texas Ave unit 1225	Midland	TX	79701-4257	Your item was delivered to an individual at the address at 5:31 pm on July 2, 2026 in MIDLAND, TX 79701.
9414811898765520453040	Tocor Investments Inc	PO Box 293	Midland	TX	79702-0293	Your item was picked up at a postal facility at 12:28 pm on July 8, 2026 in MIDLAND, TX 79701.
9414811898765520453033	Trainer Partners LTD	PO Box 3788	Midland	TX	79702-3788	Your item could not be delivered on July 23, 2026 at 12:42 pm in MIDLAND, TX 79701. It was held for the required number of days and is being returned to the sender.
9414811898765520453071	Wagner Oil Co.	500 Commerce St Ste 600	Fort Worth	TX	76102-5477	Your item was delivered to the front desk, reception area, or mail room at 3:30 pm on June 24, 2026 in FORT WORTH, TX 76102.
9414811898765520453460	Warwick-Artemis LLC	6608 N Western Ave PMB 6	Oklahoma City	OK	73116-7326	Your item was delivered to an individual at the address at 8:37 am on June 27, 2026 in OKLAHOMA CITY, OK 73116.
9414811898765520453422	XTO Energy Inc.	22777 Springwoods Village Pkwy	Spring	TX	77389-1425	Your item was delivered to an individual at the address at 9:32 am on June 24, 2026 in SPRING, TX 77389.
9414811898765520453408	XTO Holding Company	PO Box 840780	Dallas	TX	75284-0780	Your item arrived at our DALLAS TX DISTRIBUTION CENTER destination facility on June 22, 2026 at 10:30 am. The item is currently in transit to the destination.

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

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

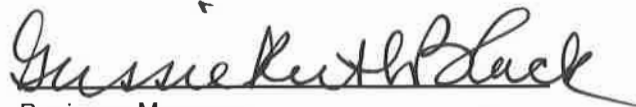
Beginning with the issue dated
June 21, 2026

and ending with the issue dated
June 21, 2026.



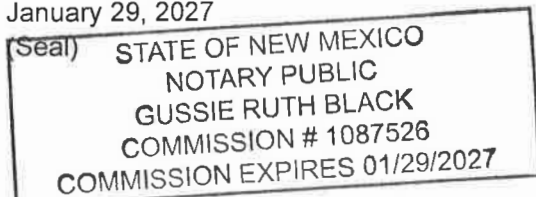
Publisher

Sworn and subscribed to before me this
21st day of June 2026.



Business Manager

My commission expires
January 29, 2027



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

LEGAL NOTICE June 21, 2026

Case No. 26298: Application of OXY USA Inc. to Amend Order No. R-24146 to Re-Authorize Certain Wells Under the Original Order and Extend the Pilot Project for Two Years, Lea County, New Mexico. Notice to all affected interest owners, including all heirs, devisees and successors of: Bureau of Land Management; 2019 Permian Basin JV; A.J. Losee; Accelerate Resources Operating LLC; Advance Energy Partners Hat Mesa LLC; Anne Ransome-Losee Arthur Dow; Black Mountain Operating LLC; Bradley S. Bates; Buckeye Energy Inc.; Bullhead Energy LLC; Burlington Resources Oil & Gas Co LP; C. W. Trainer; Cal Mon Oil Company; Campeche Petro LP; Cardinal Plastics Inc.; Carmine Scarcelli; Carrie A. Haydel; Chevron USA Inc.; Cimarex Energy Company of Colorado; Conrad E Coffield; Devon Energy Production Company LP; Diance C. Prince; Elizabeth Losee; EOG Resources Inc.; Frederick Prince IV; Highpoint Operating Corp.; Jesus Salazar Family LP; John Blackburn; Judith K Martin; Kastman Oil Company; Kent H. Berger; Lewis O. Campell; Losee Investments; Lynn S. Charulk; Mackenroth Interests LLC; Marathon Oil Permian LLC; Matador Production Company; MCM Permian LLC; MCNIC O&G Properties; MRC Permian Co.; New Mexico State Land Office; 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; Tocar Investments Inc; Trainer Partners LTD; Wagner Oil Co.; Warwick-Artemis LLC; XTO Energy Inc.; and XTO Holding Company. The State of New Mexico, Energy Minerals and Natural Resources Department, Oil Conservation Division ("Division") hereby gives notice that the Division will hold public hearing 8:30 a.m. on July 9, 2026, to consider this application. The hearing will be conducted in a hybrid fashion, both in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505 and via the WebEx virtual meeting platform. To participate in the hearings electronically, see the instructions posted on the docket for the hearing date: <https://www.emnrd.nm.gov/ocd/hearing-info/> or contact Freya Tschantz, at: Freya.Tschantz@emnrd.nm.gov. Applicant seeks an order amending Order No. R-24146 to (1) re-authorize certain wells under the original order; and (2) extend the pilot project, and all deadlines under Order No. R-24146, for an additional two years from issuance of an order in this case. The Pilot Project area is comprised of 2,533.28-acres, more or less, consisting of the following acreage identified below in Lea County, New Mexico (the "Project Area"):

Township 22 South, Range 32 East

Section 27 All

Section 34 All

Township 22 South, Range 33 East

Section 30 Lots 1-4, E/2 W/2, & E/2 (All equivalent)

Section 31 Lots 1-4, E/2 W/2, & E/2 (All equivalent)

Applicant proposes to occasionally inject produced gas from the Bone Spring and Wolfcamp formations into the following additional producing wells to avoid temporary flaring of gas or the shut-in of producing wells during pipeline capacity constraints, mechanical difficulties, plant shutdowns, or other events impacting the ability to deliver gas into a pipeline:

• **Avogato 30_31 State Com 12H** well (API No. 30-025-45957), with a surface location in Lot 1 (NW/4 NW/4 equivalent) of irregular Section 30, T22S-R33E, and a bottom hole location in Lot 4 (SW/4 SW/4 equivalent) of irregular Section 31, T22S-R33E;

• **Avogato 30_31 State Com 13H** well (API No. 30-025-45958), with a surface location in the NW/4 NE/4 (Unit B) of irregular Section 30, T22S-R33E, and a bottom hole location in the SE/4 SW/4 (Unit N) of irregular Section 31, T22S-R33E.

OXY seeks authority to inject produced gas into the Avalon formation through these additional wells at a depth of between approximately 9,339 feet to 10,849 feet along the horizontal portion of each wellbore at surface injection pressures of no more than 1,300 psi and a maximum injection rate of 4 MMSCF per day. The subject acreage is located approximately 35 miles east of Carlsbad, New Mexico.

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HOLLAND & HART LLC
215 LINCOLN AVENUE, STE 100
SANTA FE, NM 87501

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. F
Submitted by: OXY USA INC.
Hearing Date: August 6, 2026
Case No. 26298