

**BEFORE THE OIL CONSERVATION DIVISION
EXAMINER HEARING AUGUST 3, 2023**

CASE No. 23679

TURKEY TRACK CLGC

EDDY COUNTY, NEW MEXICO



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

**APPLICATION OF OXY USA INC. FOR
A CLOSED LOOP GAS CAPTURE
INJECTION PILOT PROJECT, EDDY
COUNTY, NEW MEXICO.**

CASE NO. 23679

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

**APPLICATION OF OXY USA INC.
FOR A CLOSED LOOP GAS CAPTURE
INJECTION PILOT PROJECT,
EDDY COUNTY, NEW MEXICO.**

CASE NO. 23679

APPLICATION

OXY USA Inc. (“OXY” or “Applicant”) (OGRID No. 16696) through its undersigned attorneys, hereby files this application with the Oil Conservation Division for an order authorizing OXY to engage in a closed loop gas capture injection pilot project in the Bone Spring formation (“Pilot Project”). In support of this application, OXY states:

PROJECT OVERVIEW

1. OXY proposes to create a 3,821.32-acre, more or less, project area for this Pilot Project consisting of the following acreage identified below in Eddy County, New Mexico (the “Project Area”). See **Exhibit A** at 5.

Township 19 South, Range 29 East

Section 3:	All
Section 4:	All
Section 7:	All
Section 8:	All
Section 9:	All
Section 10:	All

2. The proposed Project Area is part of a larger area OXY refers to as the Turkey Track area.

3. OXY seeks authority for this Pilot Project 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.

4. Within the proposed Project Area, OXY seeks authority to utilize the following producing wells to occasionally inject produced gas into the Bone Spring formation:

- **Turkey Track 4-3 State 21H** (API No. 30-015-44396) with a surface location 1072 feet FNL and 110 feet FWL (Lot 4) in Section 4, Township 19 South, Range 29 East, and a bottom hole location 457 feet FNL and 21 feet FEL (Lot 1) in Section 3, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 4-3 State 22H** (API No. 30-015-44537) with a surface location 1107 feet FNL and 110 feet FWL (Lot 4) in Section 4, Township 19 South, Range 29 East, and a bottom hole location 1946 feet FNL and 24 feet FEL (Unit H) in Section 3, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 4-3 State 23H** (API No. 30-015-44517) with a surface location 1660 feet FSL and 360 feet FWL (Lot 4) in Section 4, Township 19 South, Range 29 East, and a bottom hole location 1790 feet FSL and 19 feet FEL (Lot 1) in Section 3, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 4-3 State 24H** (API No. 30-015-44518) with a surface location 1625 feet FSL and 360 feet FWL (Lot 4) in Section 4, Township 19 South, Range 29 East, and a bottom hole location 344 feet FSL and 20 feet FEL (Unit

P) in Section 3, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.

- **Turkey Track 8-7 State 22H** (API No. 30-015-44142) with a surface location 1118 feet FNL and 70 feet FWL (Unit D) in Section 9, Township 19 South, Range 29 East, and a bottom hole location 1782 feet FNL and 188 feet FWL (Lot 2) in Section 7, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 8-7 State 23H** (API No. 30-015-44143) with a surface location 1254 feet FSL and 195 feet FWL (Unit M) in Section 9, Township 19 South, Range 29 East, and a bottom hole location 1999 feet FSL and 186 feet FWL (Lot 3) in Section 7, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 8-7 State 24H** (API No. 30-015-44145) with a surface location 1224 feet FSL and 195 feet FWL (Unit M) in Section 9, Township 19 South, Range 29 East, and a bottom hole location 524 feet FSL and 187 feet FWL (Lot 4) in Section 7, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 8-7 State 201H** (API No. 30-015-45681) with a surface location 1114 feet FNL and 475 feet FWL (Unit D) in Section 9, Township 19 South, Range 29 East, and a bottom hole location 345 feet FNL and 25 feet FWL (Lot 1) in Section 7, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.

- **Turkey Track 9-10 State 21H** (API No. 30-015-44117) with a surface location 2120 feet FNL and 395 feet FEL (Unit H) in Section 8, Township 19 South, Range 29 East, and a bottom hole location 942 feet FNL and 168 feet FEL (Unit A) in Section 10, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 9-10 State 22H** (API No. 30-015-44122) with a surface location 2150 feet FNL and 395 feet FEL (Unit H) in Section 8, Township 19 South, Range 29 East, and a bottom hole location 2288 feet FNL and 171 feet FEL (Unit H) in Section 10, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 9-10 State 23H** (API No. 30-015-44154) with a surface location 1195 feet FSL and 220 feet FEL (Unit P) in Section 8, Township 19 South, Range 29 East, and a bottom hole location 1203 feet FSL and 188 feet FEL (Unit I) in Section 10, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 9-10 State 24H** (API No. 30-015-44156) with a surface location 1165 feet FSL and 220 feet FEL (Unit P) in Section 8, Township 19 South, Range 29 East, and a bottom hole location 389 feet FSL and 203 feet FEL (Unit P) in Section 10, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico. See **Exhibit A** at 7-18.

5. The proposed average injection rate for each well is 3 MMSCFD with a maximum injection rate of 5 MMSCFD during injection. See **Exhibit A** at 43.

6. The maximum achievable surface pressure (MASP) for the wells in the Pilot Project is proposed to be 1,335 psi. *See Exhibit A* at 43. The current average surface pressures under normal operations for the proposed injection wells range from approximately 580 psi to 899 psi. *Id.*

7. Injection along the horizontal portion of the wellbores will be within the Bone Spring formation, Turkey Track; Bone Spring East Pool (Pool Code 60660), at the following approximate true vertical depths:

- Turkey Track 4-3 State 21H between 7,648 feet to 7,954 feet.
- Turkey Track 4-3 State 22H between 7,505 feet to 7,957 feet.
- Turkey Track 4-3 State 23H between 7,637 feet to 7,960 feet.
- Turkey Track 4-3 State 24H between 7,682 feet to 7,976 feet.
- Turkey Track 8-7 State 22H between 7,806 feet to 7,672 feet.
- Turkey Track 8-7 State 23H between 7,860 feet to 7,631 feet.
- Turkey Track 8-7 State 24H between 7,799 feet to 7,678 feet.
- Turkey Track 8-7 State 201H between 7,825 feet to 7,661 feet.
- Turkey Track 9-10 State 21H between 7,840 feet to 7,976 feet.
- Turkey Track 9-10 State 22H between 7,989 feet to 7,983 feet.
- Turkey Track 9-10 State 23H between 7,852 feet to 7,963 feet.
- Turkey Track 9-10 State 24H between 7,799 feet to 7,947 feet. *See Exhibit A* at 19-42.

8. A map depicting the pipeline that ties the wells proposed for the Pilot Project into the gathering system and the affected compressor station is included in the attached **Exhibit A** at 5.

WELL DATA

9. Information on the well data, including well diagrams and well construction, casing, tubing, packers, cement, perforations, and other details for each proposed injection well are included in the attached **Exhibit A** at pages 19-42.

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

11. Cement bond logs¹ for each of the injection wells demonstrate the placement of cement in the wells proposed for this Pilot Project and that there is a good and sufficient cement bond with the production casing and the tie-in of the production casing with the next prior casing in each well.

12. The wells proposed for injection in the Pilot Project have previously demonstrated mechanical integrity. *See Exhibit A* at 45. OXY will undertake new tests to demonstrate mechanical integrity for each well proposed for this Pilot Project as a condition of approval prior to commencing injection operations.

GEOLOGY AND RESERVOIR

13. Data and a geologic analysis confirming that the Bone Spring formation is suitable for the proposed Pilot Project is included in **Exhibit A** at pages 62-68. A general characterization

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

of the geology of the Bone Spring formation and its suitability for the proposed injection, including identification of confining layers and their ability to prevent vertical movement of the injected gas is included in the analysis. *Id.*

14. The top of the Bone Spring formation in this area is at approximately 4,287 feet total vertical depth and extends down to the top of the Wolfcamp formation. *See Exhibit A* at 56.

15. Zones that are productive of oil and gas are located above and below the targeted injection interval. *See Exhibit A* at 56, 64.

16. Reservoir modeling indicates anticipated horizontal movement of injected gas will be approximately 100 feet or less from each injection wellbore within the Bone Spring formation. *See Exhibit A* at 76.

17. 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 Project Area. *See Exhibit A* at 70-80. OXY's analysis concludes that there will be no change in the oil recovery from each of its proposed injection wells or from any of the offsetting wells. *See id.* at 79.

18. 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 46. All proposed temporary injection wells and gas source wells are commingled under the approved gas surface commingling permit PLC-517. 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.

19. OXY has prepared an analysis of the composition of the source gas for injection and a corrosion prevention plan. *See Exhibit A* at 47-49.²

20. 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 68. 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 80.

GAS ALLOCATION

28. OXY's proposes a method of gas allocation following a temporary injection event has been previously approved by the Division. *See Exhibit A* at 83-84.

AREA OF REVIEW

21. OXY has prepared maps depicting the surface hole location and trajectory of the proposed 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 84-87.

22. 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 53-59, along with well-bore schematics for wells that are plugged and abandoned or temporarily abandoned. *See Exhibit A* at 60.

OPERATIONS AND SAFETY

23. 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

² OXY is preparing a gas analysis for the Second Bone Spring formation and will present it at the hearing on this matter.

and automatic shut-in safety valves that will prevent injection pressures from exceeding the MASP. *See Exhibit A* at pages 51-52. OXY will also monitor and track various operational parameters at the Pilot Project's central tank battery and central gas lift compressors. *See id.*


24. 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 89-90, along with a map and list identifying each tract subject to notice. *See Exhibit A* at 82-83.

25. 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 August 3, 2023, and that after notice and hearing this Application be approved.

Respectfully submitted,

HOLLAND & HART LLP

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ATTORNEYS FOR OXY USA INC.

CASE _____:

Application of OXY USA Inc. for a Closed Loop Gas Capture Injection Pilot Project, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order authorizing it to engage in a closed loop gas capture injection pilot project ("Pilot Project") in the Bone Spring formation within a 3,821.32-acre, more or less, project area for this Pilot Project consisting of the following acreage identified below in Eddy County, New Mexico (the "Project Area"):

Township 19 South, Range 29 East

Section 3: All
 Section 4: All
 Section 7: All
 Section 8: All
 Section 9: All
 Section 10: All

Applicant proposes to occasionally inject into the following producing 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:

- **Turkey Track 4-3 State 21H** (API No. 30-015-44396) with a surface location 1072 feet FNL and 110 feet FWL (Lot 4) in Section 4, Township 19 South, Range 29 East, and a bottom hole location 457 feet FNL and 21 feet FEL (Lot 1) in Section 3, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
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Section 9, Township 19 South, Range 29 East, and a bottom hole location 1782 feet FNL and 188 feet FWL (Lot 2) in Section 7, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.

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- **Turkey Track 8-7 State 201H** (API No. 30-015-45681) with a surface location 1114 feet FNL and 475 feet FWL (Unit D) in Section 9, Township 19 South, Range 29 East, and a bottom hole location 345 feet FNL and 25 feet FWL (Lot 1) in Section 7, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 9-10 State 21H** (API No. 30-015-44117) with a surface location 2120 feet FNL and 395 feet FEL (Unit H) in Section 8, Township 19 South, Range 29 East, and a bottom hole location 942 feet FNL and 168 feet FEL (Unit A) in Section 10, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
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- **Turkey Track 9-10 State 23H** (API No. 30-015-44154) with a surface location 1195 feet FSL and 220 feet FEL (Unit P) in Section 8, Township 19 South, Range 29 East, and a bottom hole location 1203 feet FSL and 188 feet FEL (Unit I) in Section 10, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 9-10 State 24H** (API No. 30-015-44156) with a surface location 1165 feet FSL and 220 feet FEL (Unit P) in Section 8, Township 19 South, Range 29 East, and a bottom hole location 389 feet FSL and 203 feet FEL (Unit P) in Section 10, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.

OXY seeks authority to utilize these producing wells to occasionally inject produced gas into the Bone Spring formation at total vertical depths of between approximately 7,505 feet to 7,983 feet along the horizontal portion of each wellbore at surface injection pressures of no more than 1,335 psi at an average injection rate of 3 MMSCF per day and a maximum injection rate of 5 MMSCF per day. The source of the produced gas will be from the Bone Spring and Wolfcamp formations. The subject acreage is located approximately 20 miles northeast of Carlsbad, New Mexico.

Turkey Track Closed Loop Gas Capture (CLGC) Project



General Project Description: Closed Loop Gas Capture (CLGC) Project Oxy- 2023 Turkey Track

Summary of Requested Relief

1. Authority to operate a closed loop gas capture project ("CLGC") project consisting of eight (8) wells. The project will help to prevent waste and reduce adverse impacts from temporary interruptions of gas pipeline capacity.
2. Maximum Allowable Surface Pressure (MASP) of 1335 psi.
3. An exception for the 100-foot packer setting depth requirement applied to vertical injection wells.

Overview

Oxy USA Inc. (Oxy) is proposing a Closed Loop Gas Capture (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 project area, 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
<ul style="list-style-type: none"> • Flare gas • Shut in production 	<ul style="list-style-type: none"> • Store gas • Continue production • No additional surface disturbances 	<ul style="list-style-type: none"> • 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 Turkey Track 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.

Enterprise is the third-party gas purchaser for the Turkey Track 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.

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A
Submitted by: OXY USA INC.
Hearing Date: August 3, 2023
Case No. 23679

Gas Surface Commingling Permit

The Lost Tank area will be commingled at a future date under the approved gas surface commingling permit PLC-517.

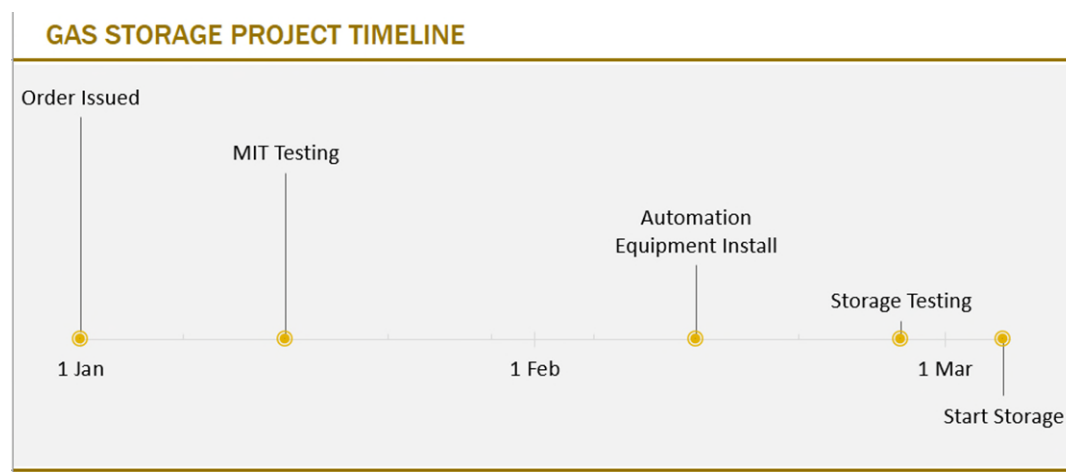
Wells

There are 12 wells proposed in this application.

API10	Well Name
3001544396	TURKEY TRACK 4-3 STATE 21H
3001544537	TURKEY TRACK 4-3 STATE 22H
3001544517	TURKEY TRACK 4-3 STATE 23H
3001544518	TURKEY TRACK 4-3 STATE 24H
3001544142	TURKEY TRACK 8-7 STATE 22H
3001544143	TURKEY TRACK 8-7 STATE 23H
3001544145	TURKEY TRACK 8-7 STATE 24H
3001545681	TURKEY TRACK 8-7 201H
3001544117	TURKEY TRACK 9-10 21H
3001544122	TURKEY TRACK 9-10 22H
3001544154	TURKEY TRACK 9-10 23H
3001544156	TURKEY TRACK 9-10 24H

Timeline

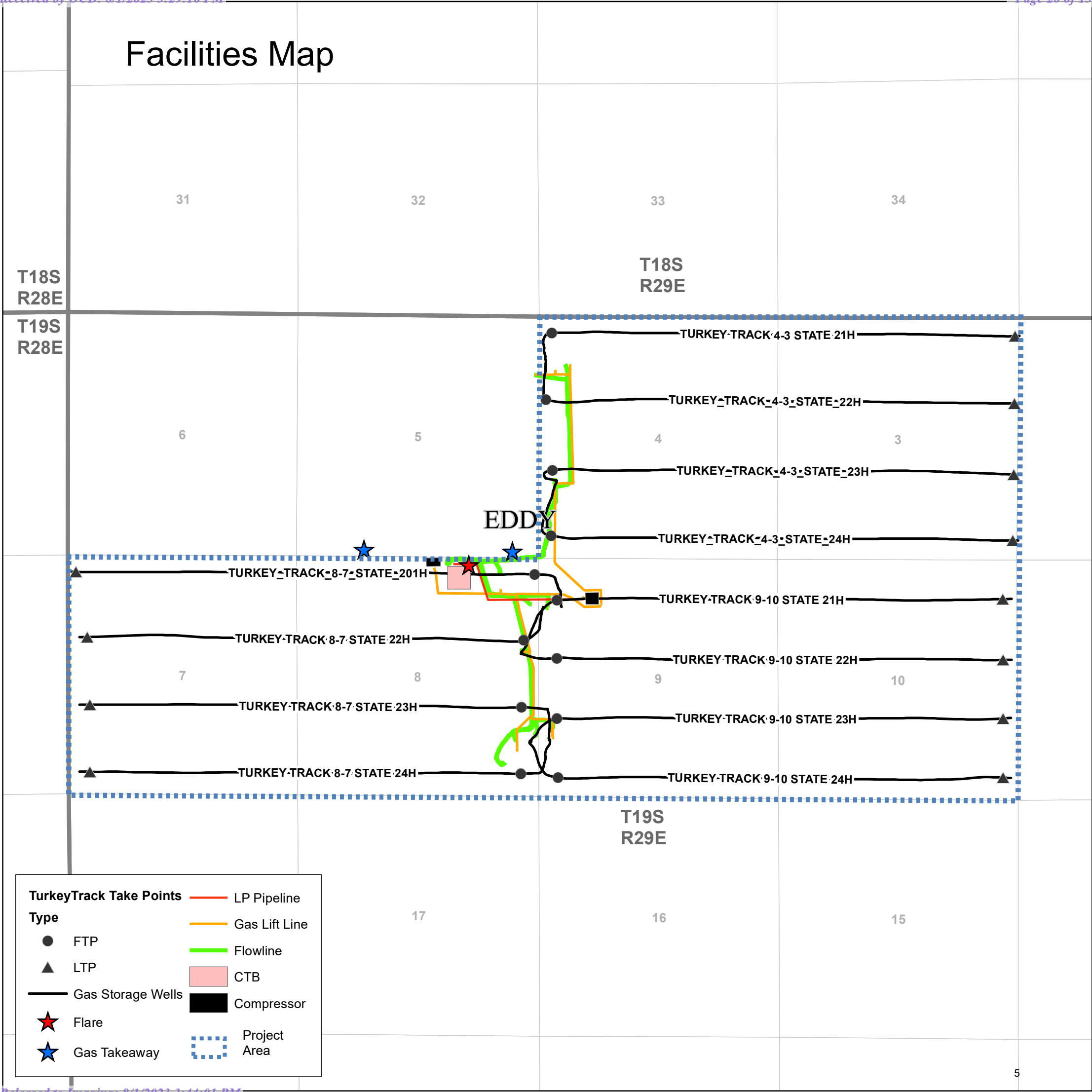
Since no new surface disturbances are required, this project can be implemented with minimal facility modifications. The timeline below assumes an order is issued on January 1 for illustration purposes.



Facilities and Production

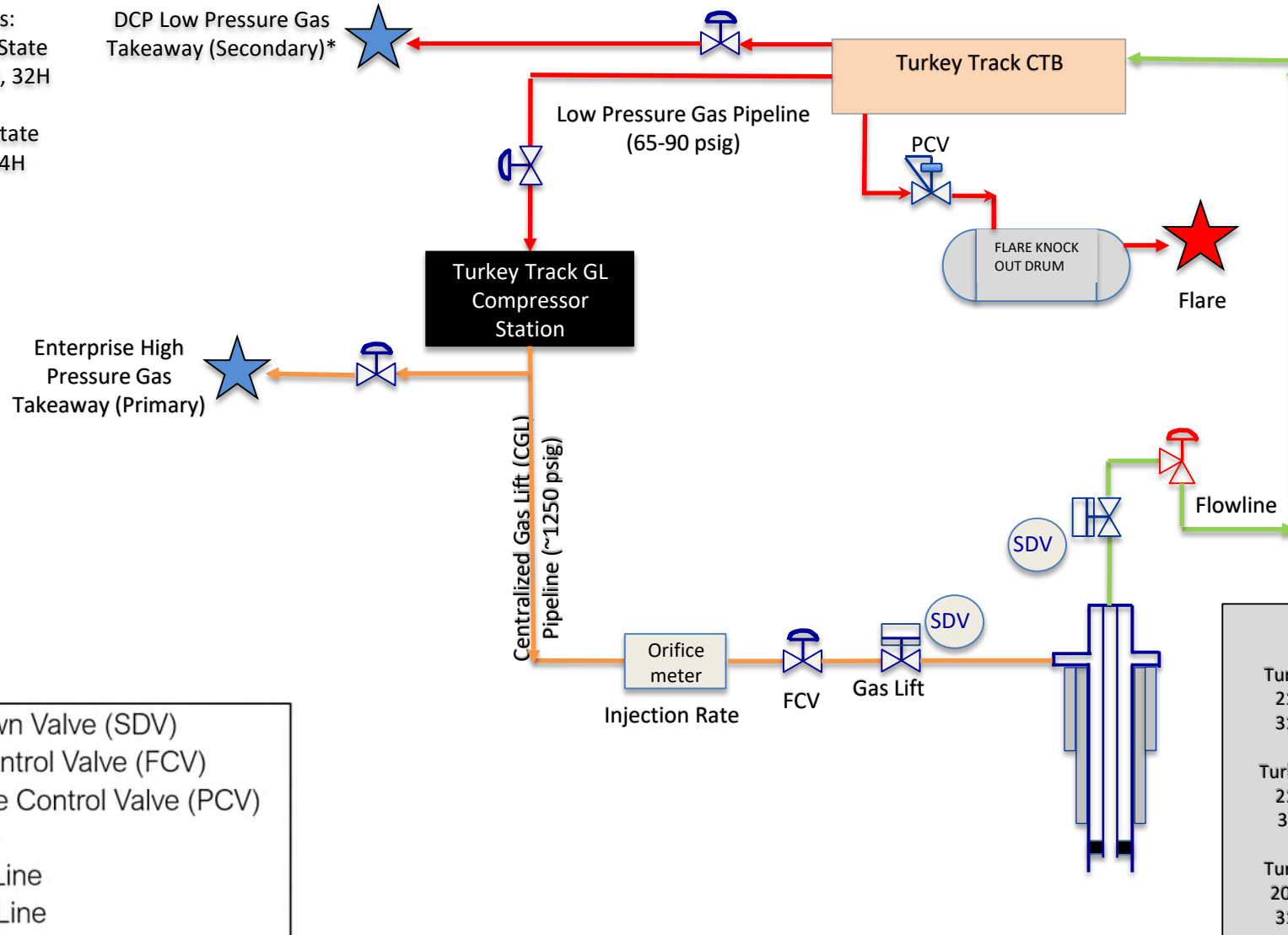


Facilities Map



Turkey Track Gas Process Flow Diagram

*Only for 9 wells:
Turkey Track 9-10 State
22H, 23H, 24H, 31H, 32H
&
Turkey Track 4-3 State
31H, 32H, 33H, 34H



24 Wells:

Turkey Track 4-3 State
21H, 22H, 23H, 24H
31H, 32H, 33H, 34H

Turkey Track 9-10 State
21H, 22H, 23H, 24H
31H, 32H, 33H, 34H

Turkey Track 8-7 State
201H, 22H, 23H, 24H
31H, 32H, 33H, 34H

12 Well Candidates for Gas Storage

Turkey Track 4-3 State
21H, 22H, 23H, 24H

Turkey Track 9-10 State
21H, 22H, 23H, 24H

Turkey Track 8-7 State
201H, 22H, 23H, 24H

RECEIVED

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

DISTRICT II-ARTESIA O.C.D.

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 30-015-44396	Pool Code 60660	Pool Name TURKEY TRACK; BONE SPRING
Property Code 318404	Property Name TURKEY TRACK 4-3 STATE	Well Number 21H
OGRID No. 192463	Operator Name OXY USA WTP LP	Elevation 3414.8'

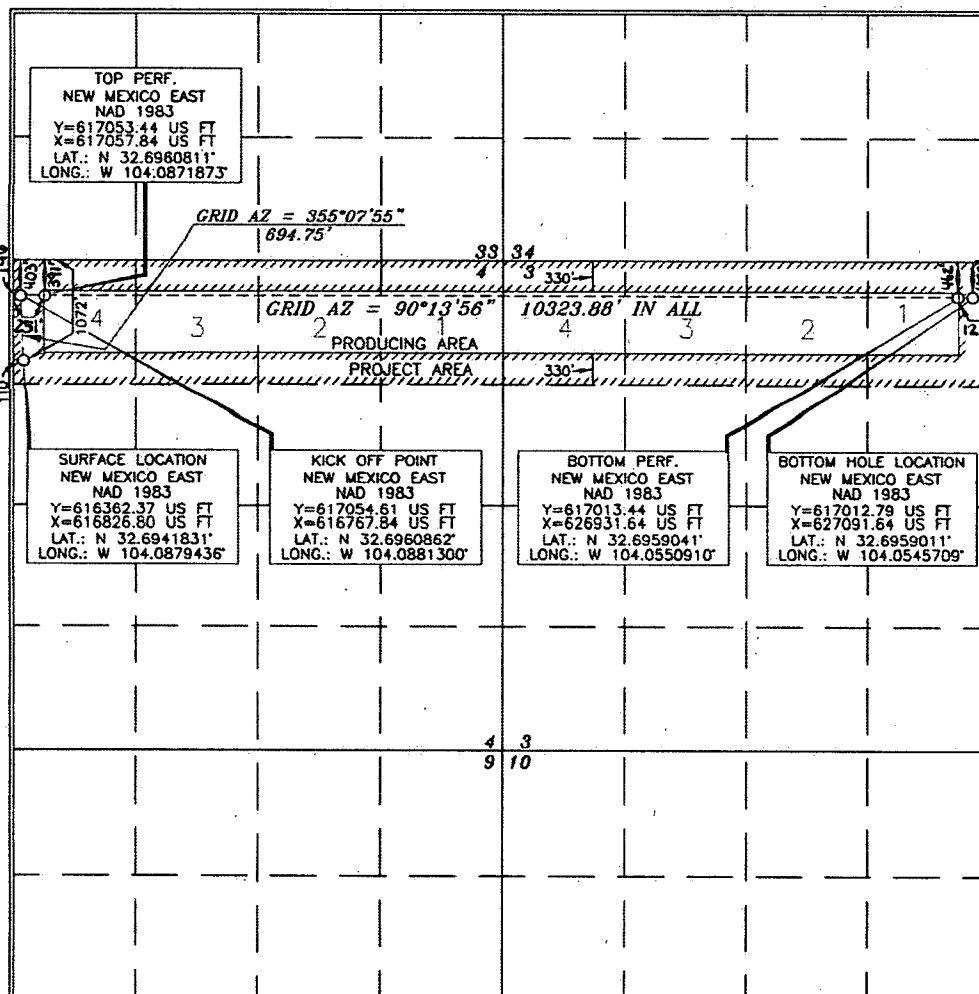
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	4	19 SOUTH	29 EAST, N.M.P.M.		1072'	NORTH	110'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	3	19 SOUTH	29 EAST, N.M.P.M.		457'	NORTH	21'	EAST	EDDY
Dedicated Acres 323	Joint or Infill Y	Consolidation Code	Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

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

Signature: *Leslie Reeves* Date: 07/17/2019

Printed Name: LESLIE REEVES

E-mail Address: LESLIE_REEVES@OXY.COM

SURVEYOR CERTIFICATION

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

Signature: *ERRY J. AS...* Date of Survey: JULY 12, 2017

Signature and Seal of Professional Surveyor

Signature: *erry J. As...* Certificate Number: 15079

WO# 170712WL-o (KA)

RECEIVED

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

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

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

DISTRICT II-ARTESIA O.C.D.

☒ AMENDED REPORT
As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-44537	Pool Code 60660	Pool Name TURKEY TRACK; BONE SPRING
Property Code 318404	Property Name TURKEY TRACK 4-3 STATE	Well Number 22H
OGRID No. 192463	Operator Name OXY USA WTP LP	Elevation 3412.7'

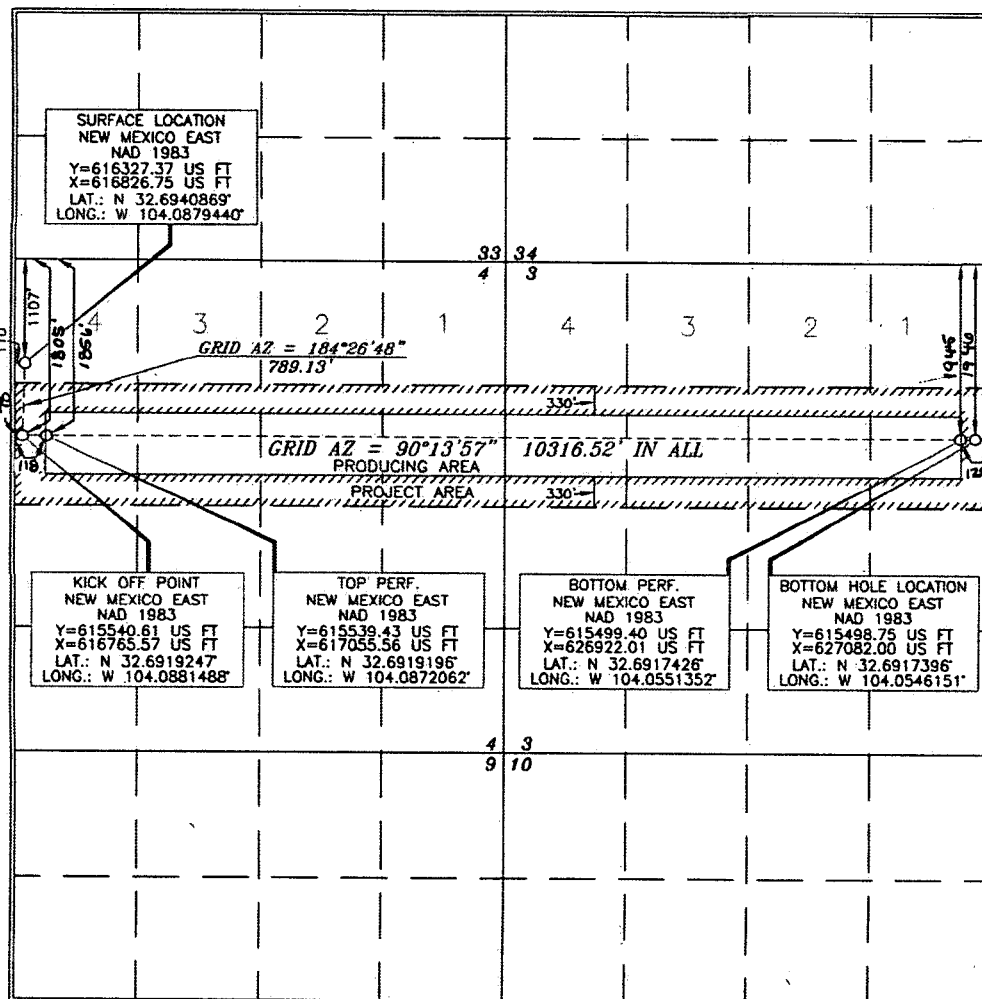
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	4	19 SOUTH	29 EAST, N.M.P.M.		1107'	NORTH	110'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	3	19 SOUTH	29 EAST, N.M.P.M.		1946'	NORTH	24'	EAST	EDDY
Dedicated Acres 320	Joint or Infill Y	Consolidation Code	Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

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

Signature: Leslie Reeves Date: 7/18/19

Printed Name: LESLIE REEVES

E-mail Address: LESLIE_REEVES@OXY.COM

SURVEYOR CERTIFICATION

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

Signature: Leslie Reeves
Date of Survey: 15079
JULY 12, 2017

Signature and Seal of Professional Surveyor

Signature: Leslie Reeves Date: 7/24/2017
Certificate Number: 15079

WO# 170712WL-b (KA)

RECEIVED

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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
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DISTRICT II-ARTESIA, N.M.

☒ AMENDED REPORT
As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-44517	Pool Code 60660	Pool Name TURKEY TRACK; BONE SPRING
Property Code 318404	Property Name TURKEY TRACK "4-3" STATE	Well Number 23H
OGRID No. 192463	Operator Name OXY USA WTP LP	Elevation 3404.1'

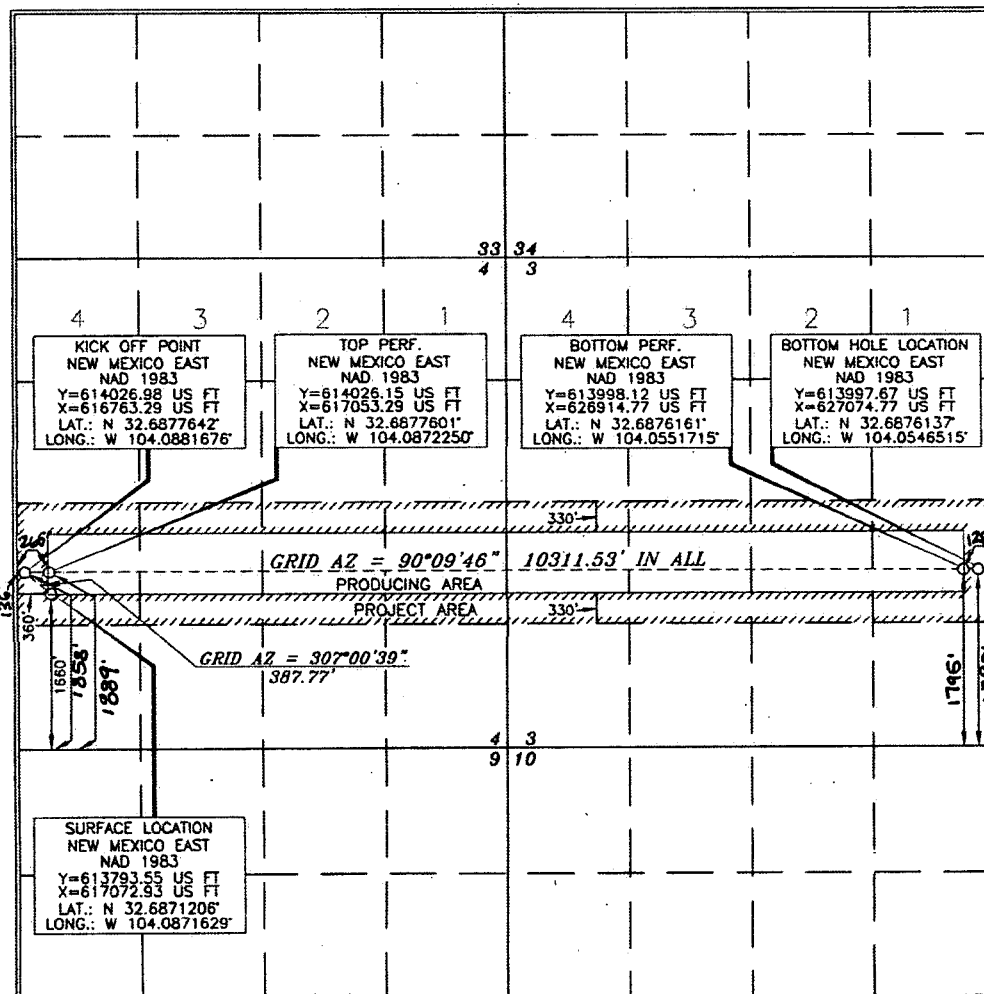
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	4	19 SOUTH	29 EAST, N.M.P.M.		1660'	SOUTH	360'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	3	19 SOUTH	29 EAST, N.M.P.M.		1790'	SOUTH	19'	EAST	EDDY
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

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

Signature: *Leslie Reeves* Date: 07/26/2019
Printed Name: LESLIE REEVES
E-mail Address: LESLIE_REEVES@OXY.COM

SURVEYOR CERTIFICATION

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

Signature and Seal: *ERRY J. AS...*
Professional Land Surveyor
Date of Survey: JULY 17, 2017
Certificate Number: 15079

WO# 170717WL-a (KA)

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

State of New Mexico
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1220 South St. Francis Dr.
Santa Fe, NM 87505

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WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-44518		Pool Code 60660	Pool Name TURKEY TRACK; BONE SPRING
Property Code 318404	Property Name TURKEY TRACK "4-3" STATE		Well Number 24H
OGRID No. 320	Operator Name OXY USA WTP LP		Elevation 3404.8'

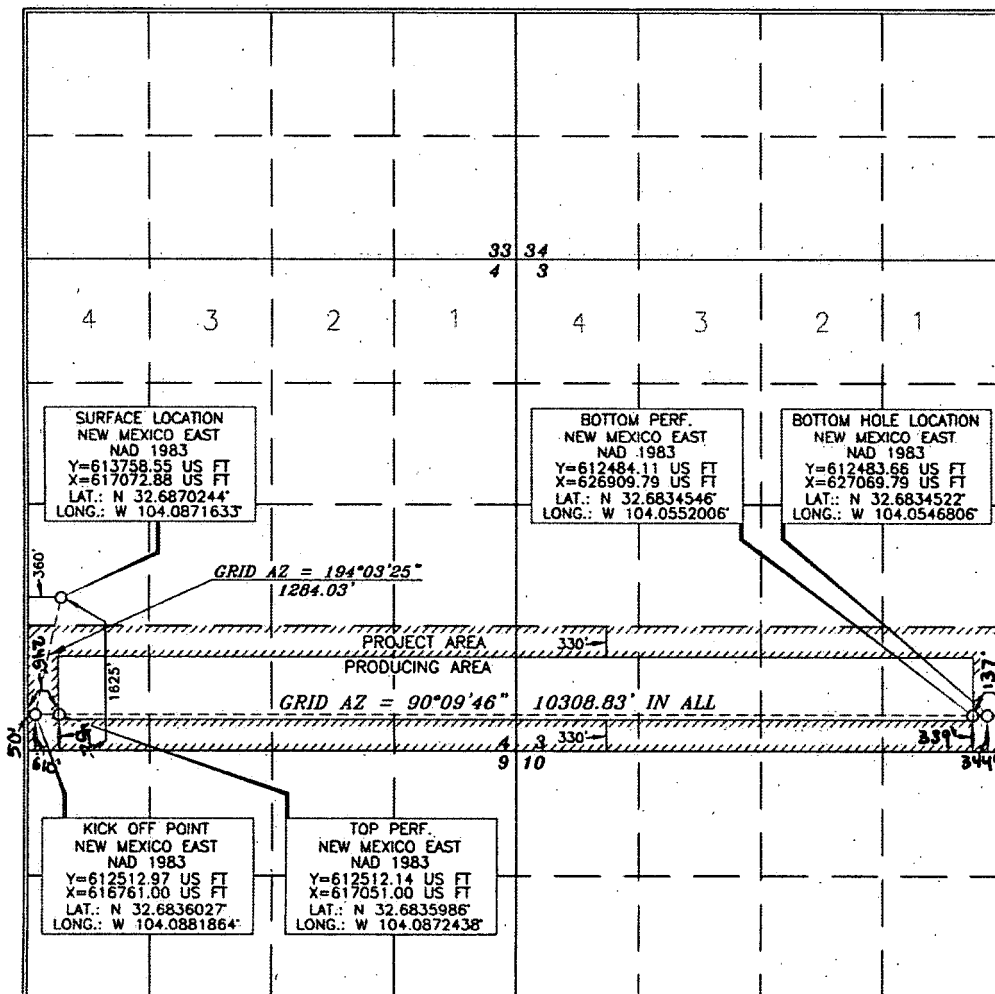
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	4	19 SOUTH	29 EAST, N.M.P.M.		1625'	SOUTH	360'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	3	19 SOUTH	29 EAST, N.M.P.M.		344'	SOUTH	20'	EAST	EDDY
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

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

Signature: *Leslie Reeves* Date: **07/26/2019**

Printed Name: **LESLIE REEVES**

E-mail Address: **LESLIE_REEVES@OXY.COM**

SURVEYOR CERTIFICATION

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

Signature and Seal: *James J. As...* Date of Survey: **JULY 12, 2017**

Professional Surveyor

Certificate Number: **15079**

WO# 170717WL-b (KA)

NM OIL CONSERVATION

ARTESIA DISTRICT

MAR 05 2017

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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☒ AMENDED REPORT
(As-drilled)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-44142	Pool Code 60660	Pool Name Turkey Track; Bone Spring
Property Code 317664	Property Name TURKEY TRACK "8-7" STATE	Well Number 22H
OGRID No. 192463	Operator Name OXY USA WTP LP	Elevation 3392.6'

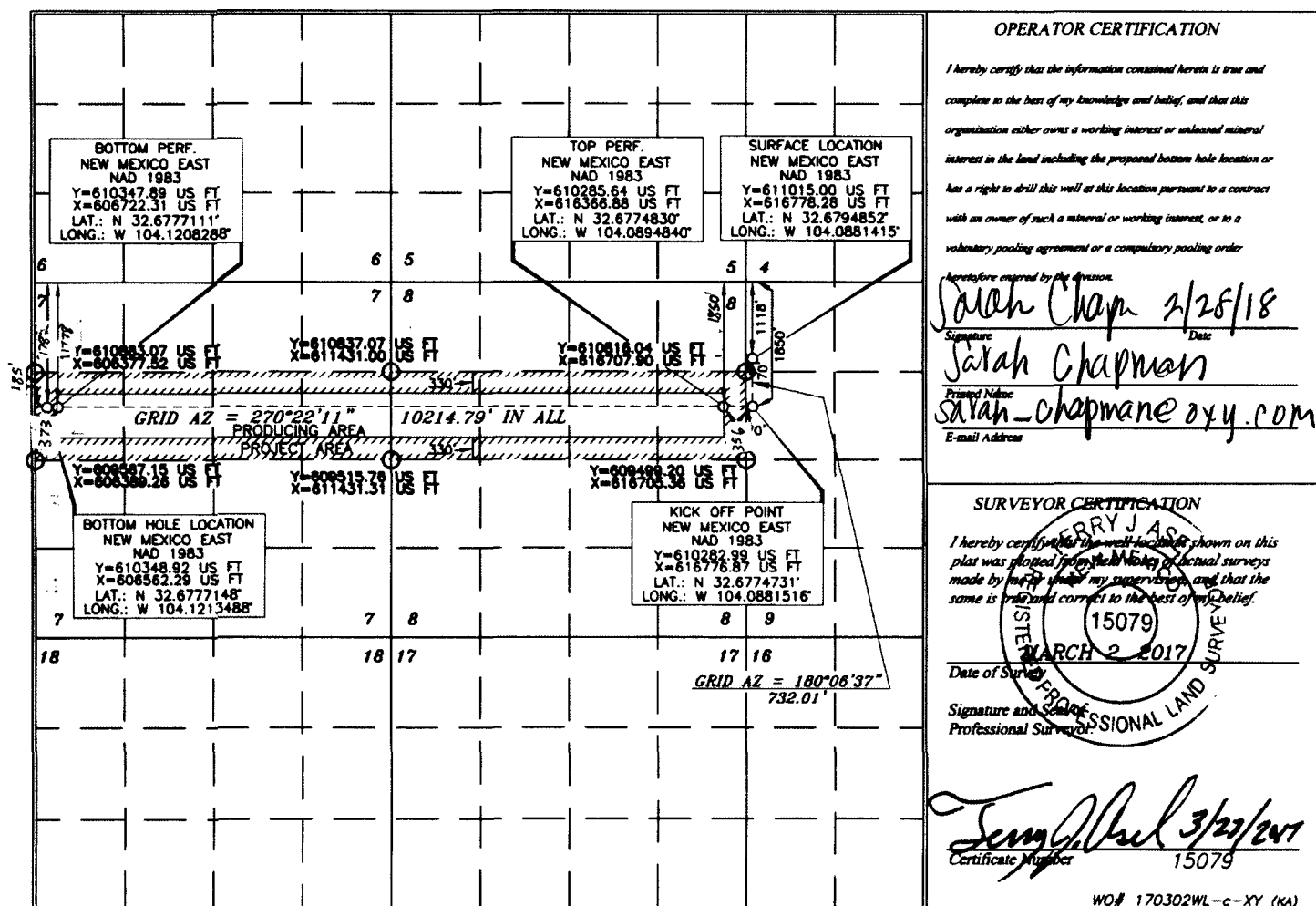
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	9	19 SOUTH	29 EAST, N.M.P.M.		1118'	NORTH	70'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	7	19 SOUTH	29 EAST, N.M.P.M.		1848' 1782'	NORTH	180' 185'	WEST	EDDY
Dedicated Acres 312.82	Joint or Infill Y	Consolidation Code	Order No.	BP - 1778 FNL 373 FWL TP - 1850 FNL 356 FEL					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

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

Authorized by the Division:
Signature: Sarah Chapman
Date: 2/26/18
Printed Name: Sarah Chapman
E-mail Address: sarah_chapman@oxy.com

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from the 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.

Signature: Terry J. Asch
Date of Survey: MARCH 2 2017
Professional Surveyor: 15079

Signature: Terry J. Asch
Date: 3/23/2017
Certificate Number: 15079

WO# 170302WL-c-XY (KA)

NM OIL CONSERVATION
 ARTESIA DISTRICT

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District II
 811 S. First St., Artesia, NM 88210
 Phone: (505) 748-1283 Fax: (505) 748-9720

District III
 1000 Rio Brazos Road, Aztec, NM 87410
 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
 1206 S. St. Francis Dr., Santa Fe, NM 87505
 Phone: (505) 476-3460 Fax: (505) 476-3462

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-44143	Pool Code 60660	Pool Name TURKEY TRACK; BONE SPRING
Property Code 317664	Property Name TURKEY TRACK "8-7" STATE	Well Number 23H
OGRID No. 192463	Operator Name OXY USA INC. WTP LP	Elevation 3381.0'

Surface Location

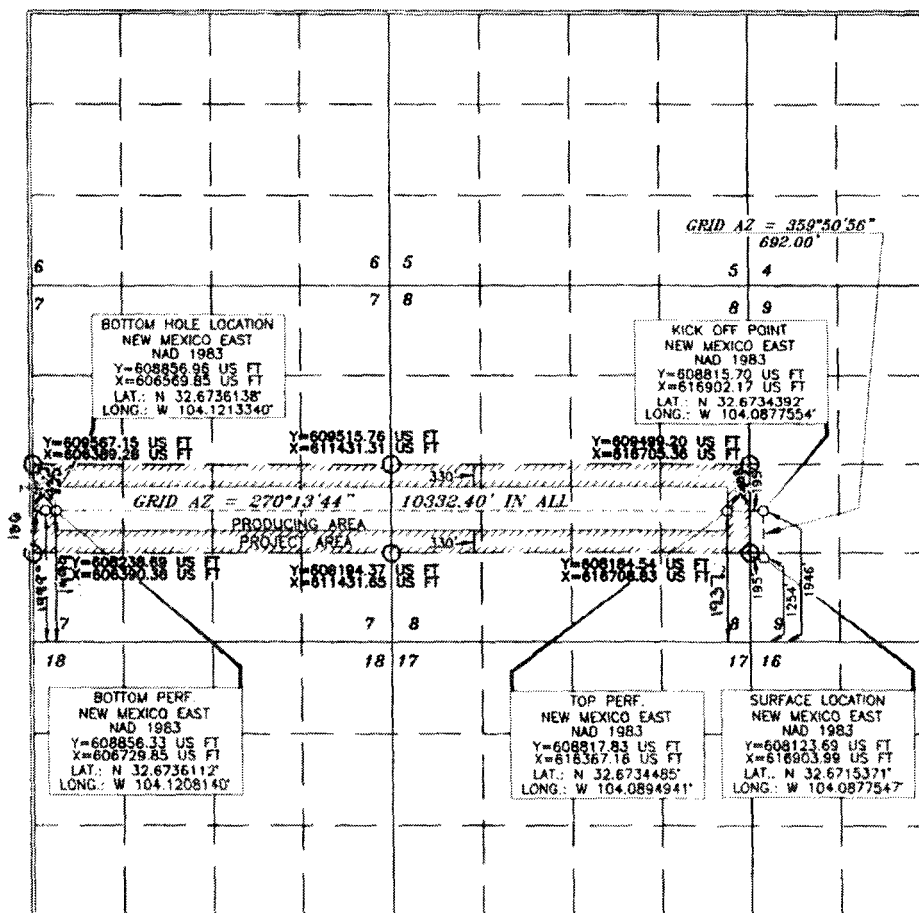
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	9	19 SOUTH	29 EAST, N.M.P.M.		1254'	SOUTH	195'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	7	19 SOUTH	29 EAST, N.M.P.M.		1948' 1999'	SOUTH	180' 186'	WEST	EDDY

Dedicated Acres 312.78	Joint or Infill Y	Consolidation Code	Bottom Perf- 1999 FSL 435 FWL TOP PERF- 1937 FSL 408 FEL
----------------------------------	-----------------------------	--------------------	---

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

**OPERATOR CERTIFICATION**

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

Taylor Stillman 11/20/17
 Signature

Taylor Stillman
 Printed Name

Taylor.Stillman@oxy.com
 E-mail Address

SURVEYOR CERTIFICATION

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

15079
MARCH 2 2017
 Date of Survey

Terry J. Paul
 Signature and Seal
 Professional Surveyor

Terry J. Paul 4/1/2017
 Certificate Number **15079**

WO# 170302WL-b-XY (KA)

NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 20 2017

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District II
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Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Amos, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

☒ AMENDED REPORT
(As-Drilled)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-44145	Pool Code 60660	Pool Name Turkey Track; Bone Spring
Property Code 317664	Property Name TURKEY TRACK "B-7" STATE	Well Number 24H
OGRID No. 192463	Operator Name OXY USA INC. WTP LP	Elevation 3379.7'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	9	19 SOUTH	29 EAST, N.M.P.M.		1224'	SOUTH	195'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	7	19 SOUTH	29 EAST, N.M.P.M.		100' 524'	SOUTH	100' 187'	WEST	EDDY
Dedicated Acres 312.72	Joint or Infill Y	Consolidation Code	Order No.	Bottom Perf - 521 FSL 418 FWL Top Perf - 477 FSL 424 FEL					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

		<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <i>Justin Morris</i> Date: 11/20/17</p> <p>Printed Name: Justin Morris</p> <p>E-mail Address: jcmon@vmich.edu</p>
<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey: MARCH 2, 2017</p> <p>Signature and Seal: <i>Jeffery J. As...</i></p> <p>Professional Surveyor</p> <p>Certificate Number: 15079</p> <p>WO# 170302WL-a-XY (KA)</p>		

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 26 2019

Form C-102

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45681	Pool Code 60660	Pool Name TURKEY TRACK; BONE SPRING
Property Code 317700	Property Name TURKEY TRACK "8_7" STATE	Well Number 201H
OGRID No. 192463	Operator Name OXY USA WTP LP	Elevation 3396.3'

Surface Location

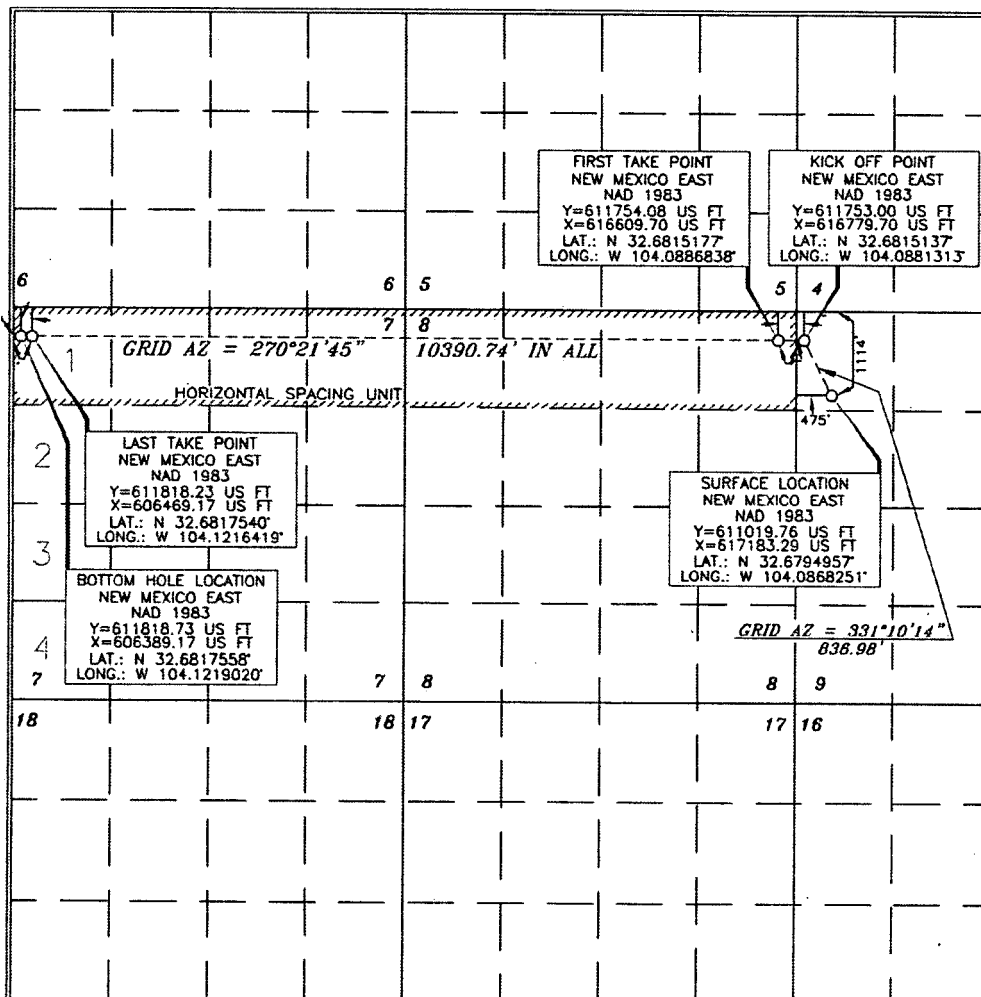
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	9	19 SOUTH	29 EAST, N.M.P.M.		1114'	NORTH	475'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	7	19 SOUTH	29 EAST, N.M.P.M.		345'	NORTH	25'	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			FTP: 402' FNL 149' FEL LTP: 345' FNL 139' FNL

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

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

Signature: *Leslie Reeves* Date: 8/23/19

Printed Name: LESLIE REEVES
E-mail Address: LESLIE_REEVES@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.

Signature: *Leslie Reeves* Date of Survey: NOVEMBER 27, 2018

Signature and Seal of Professional Surveyor

Certificate Number: 15079
Date: 12/24/2018

WO# 181127WL-a (KA)

NM OIL CONSERVATION

ARTESIA DISTRICT

OCT 18 2017

Form C-102

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
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Santa Fe, NM 87505

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☒ AMENDED REPORT
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District I
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District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Grande Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3463

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-44117	Pool Code 60660	Pool Name Turkey Track; Bone Spring
Property Code 317560	Property Name TURKEY TRACK "9-10" STATE	Well Number 21H
OGRID No. 192463	Operator Name OXY USA INC. WTP LA	Elevation 3394.8'

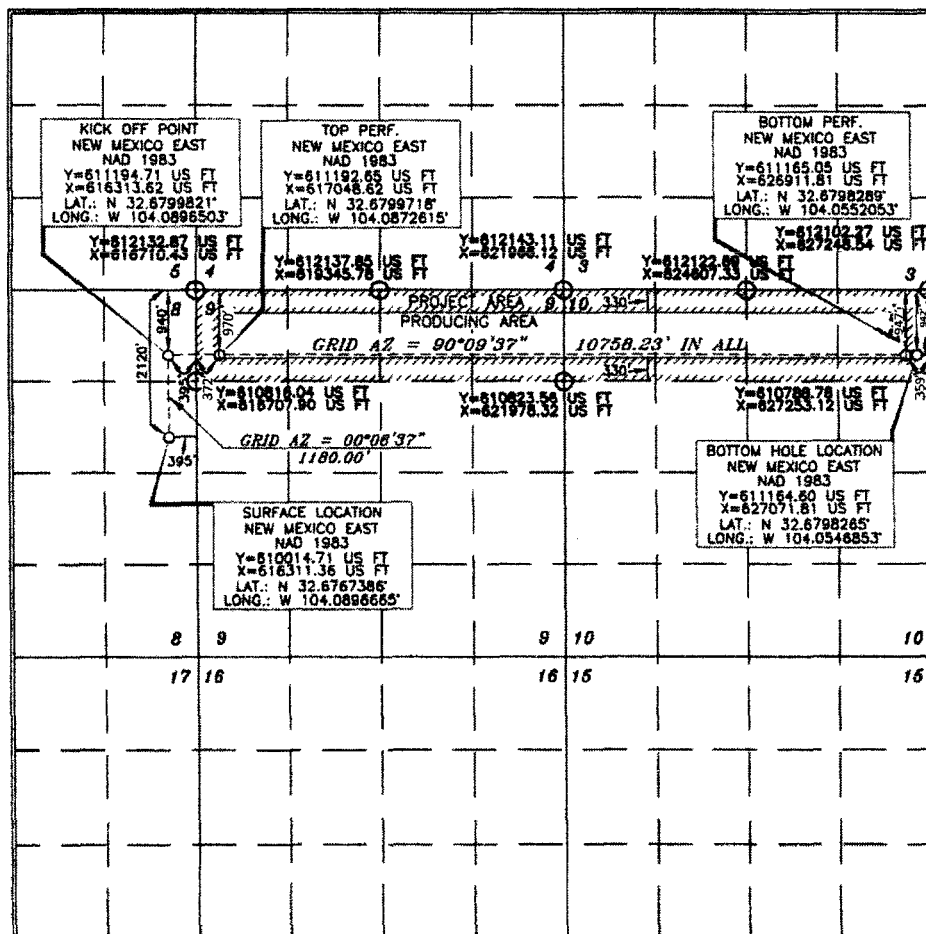
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	8	19 SOUTH	29 EAST, N.M.P.M.		2120'	NORTH	395'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	10	19 SOUTH	29 EAST, N.M.P.M.		990' 992'	NORTH	100' 105'	EAST	EDDY
Dedicated Acres 320	Joint or Infill Y	Consolidation Code	Order No.	Bottom Perf - 947 FWL 359 FEL Top Perf - 970 FWL 372 FWL					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

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

Justin Morris 10/16/17
Signature Date
Justin Morris
Printed Name
Justin-Morris@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.

Terry J. Case
15079
Date of Survey
March 1, 2017
Signature and Seal of Professional Land Surveyor

Terry J. Case 3/1/2017
Certificate Number 15079

WO# 170301WL-a-XY (KA)

NM OIL CONSERVATION

ARTESIA DISTRICT

OCT 18 2017

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District II
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Phone: (575) 748-1283 Fax: (575) 748-9720

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Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1230 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-44122	Pool Code 60660	Pool Name Turkey Track ; Bone Spring
Property Code 317560	Property Name TURKEY TRACK "9-10" STATE	Well Number 22H
OGRID No. 192463	Operator Name OXY USA INC. WTP LP	Elevation 3394.9'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	8	19 SOUTH	29 EAST, N.M.P.M.		2150'	NORTH	395'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	10	19 SOUTH	29 EAST, N.M.P.M.		2289' 2246'	NORTH	363' 171'	EAST	EDDY
Dedicated Acres 320	Joint or Infill Y	Consolidation Code	Order No.	Bottom Perf - 2289 FNL 363 FEL Top Perf - 2246 FNL 368 FNL					

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.

		<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <u>Justin Morris</u> Date: <u>10/16/17</u></p> <p>Printed Name: <u>Justin Morris</u></p> <p>E-mail Address: <u>Justin_Morris@oxy.com</u></p>
<p>KICK OFF POINT NEW MEXICO EAST NAD 1983 Y=609880.24 US FT X=618411.10 US FT LAT.: N 32.6763684° LONG.: W 104.0893433°</p> <p>BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1983 Y=609849.53 US FT X=627076.40 US FT LAT.: N 32.6762118° LONG.: W 104.0546816°</p>		<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was obtained from the records of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Signature: <u>Tony J. Paul</u> Date of Survey: <u>MARCH 1, 2017</u></p> <p>Professional Surveyor</p> <p>Certificate Number: <u>15079</u></p> <p>WD# 170301WL-b-XY (KA)</p>

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 18 2017

Form C-102

Revised August 1, 2011

RECEIVED
Submit one copy to appropriate
District Office☒ AMENDED REPORT
(As-drilled)

District I
1623 N. Francis Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Grande Road, Alamogordo, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-44154	Pool Code 60660	Pool Name Turkey Track; Bone Spring
Property Code 317701	Property Name TURKEY TRACK "9-10" STATE	Well Number 23H
OGRID No. 192463	Operator Name OXY USA INC WTP LP	Elevation 3388.2'

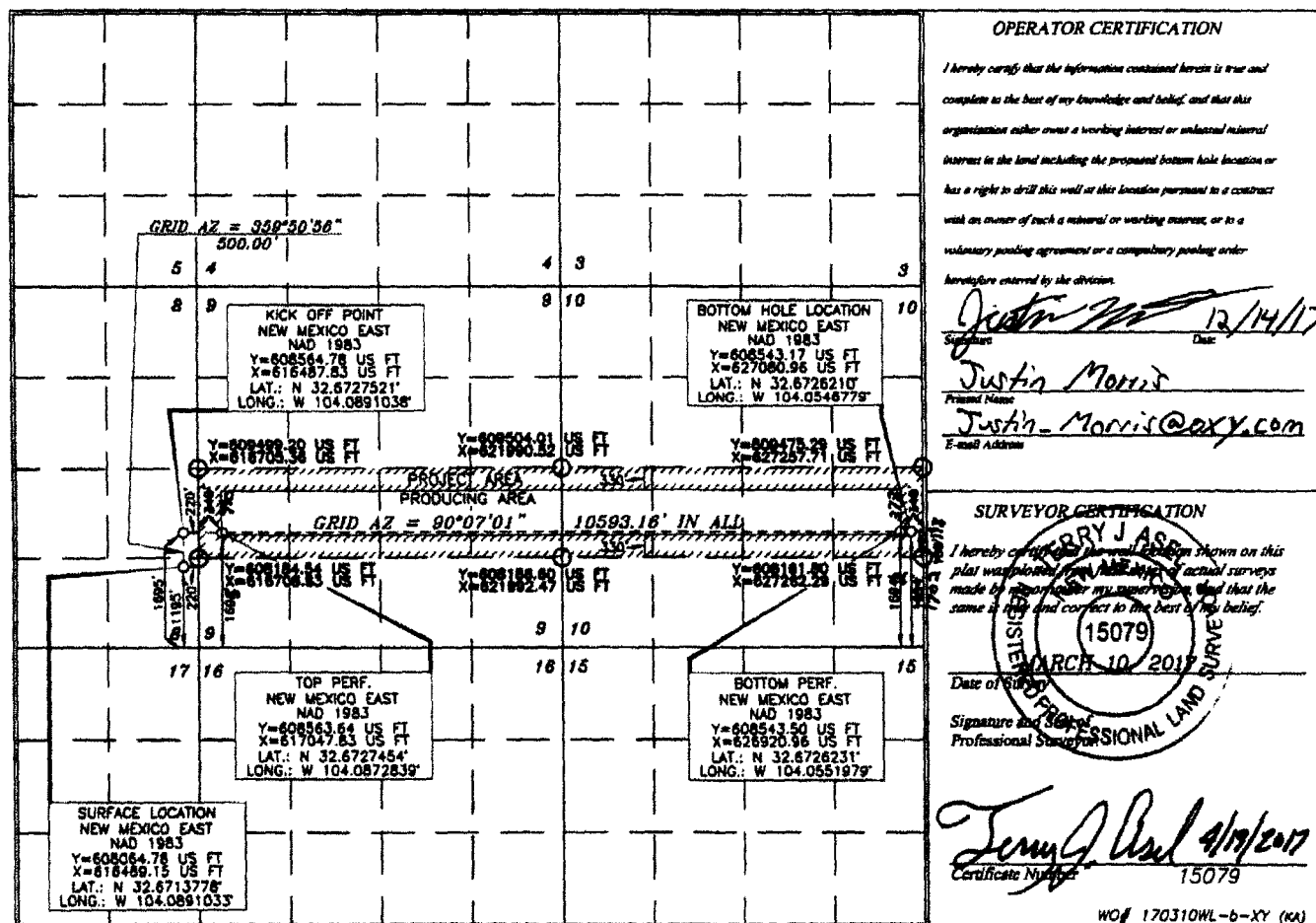
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	8	19 SOUTH	29 EAST, N.M.P.M.		1195'	SOUTH	220'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	10	19 SOUTH	29 EAST, N.M.P.M.		1804' 1703'	SOUTH	186' 198'	EAST	EDDY
Dedicated Acres 320	Joint or Infill Y	Consolidation Code	Order No.	TP: 1695' FSL 490' FWL BA: 1692' FSL 373' PEL					

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.



NM OIL CONSERVATION
ARTESIA DISTRICT
DEC 18 2017

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OIL CONSERVATION DIVISION
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Santa Fe, NM 87505

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

✓ AMENDED REPORT
(As-drilled)

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-05-44156	Pool Code 60660	Pool Name Turkey Track; Bone Spring
Property Code 317701	Property Name TURKEY TRACK "9-10" STATE	Well Number 24H
OGRID No. 192463	Operator Name OXY USA INC. WTP LP	Elevation 3388.4'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	8	19 SOUTH	29 EAST, N.M.P.M.		1165'	SOUTH	220'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	10	19 SOUTH	29 EAST, N.M.P.M.		389' 329'	SOUTH	180' 203'	EAST	EDDY
Dedicated Acres 320	Joint or Infill Y	Consolidation Code	Order No.	TP: 396' FSL 394' FWL BA: 395' FSL 375' FEL					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

		<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <u>Justin Morris</u> Date: <u>12/14/17</u></p> <p>Printed Name: <u>Justin Morris</u></p> <p>E-mail Address: <u>Justin-Morris@oxy.com</u></p>
		<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from the original actual surveys made by myself or my assistants and that the same is true and correct to the best of my belief.</p> <p>Signature: <u>ERRY J. ASH</u> Date of Survey: <u>MARCH 8 2017</u></p> <p>Professional Land Surveyor Certificate Number: <u>15079</u></p> <p>WOP 170306WL-b-XY (10)</p>

Side 1

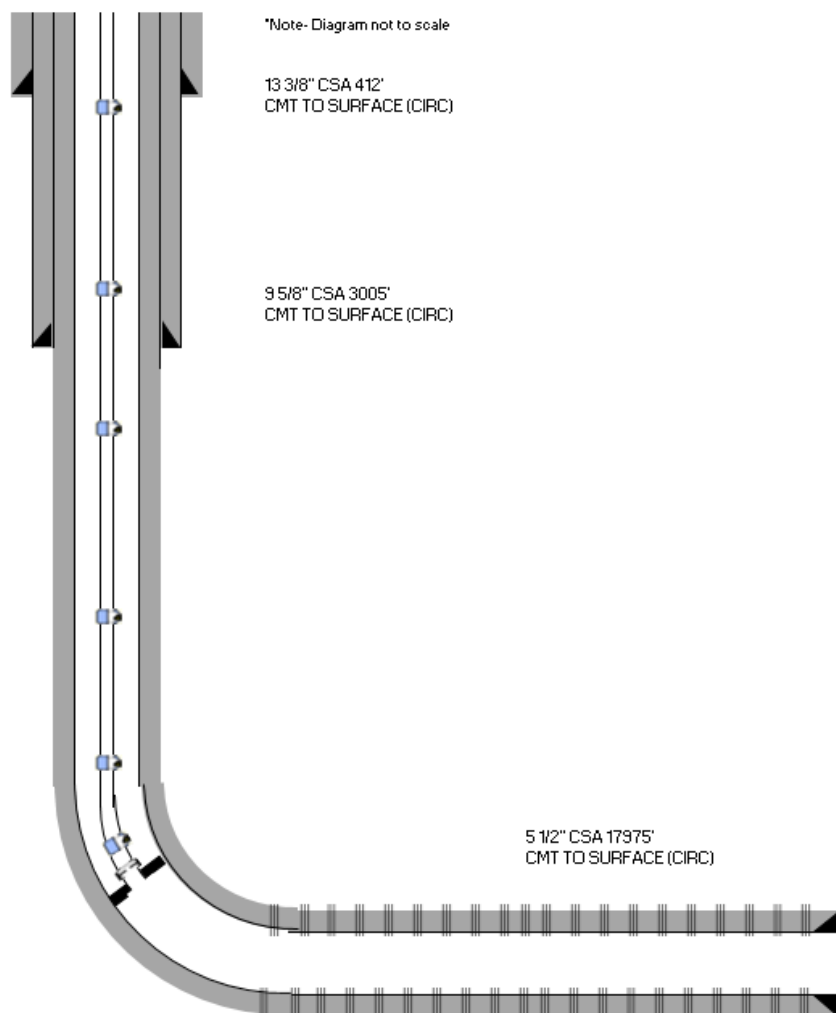
INJECTION WELL DATA SHEET

OPERATOR: OXY USA WTP LIMITED PARTNERSHIPWELL NAME & NUMBER: TURKEY TRACK 9 10 STATE #024H 30-015-44156

WELL LOCATION: <u>1165 FSL 220 FEL</u>	<u>P</u>	<u>8</u>	<u>19S</u>	<u>29E</u>
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

TURKEY TRACK 9 10 - 24H

Hole Size: 17.5" Casing Size: 13.375"Cemented with: 685 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCIntermediate CasingHole Size: 12.25" Casing Size: 9.625"Cemented with: 1070 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCProduction CasingHole Size: 8.5" Casing Size: 5.5"Cemented with: 2734 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCTotal Depth: 17,935' MD / 7,953' TVDInjection Interval7,997' MD/ 7,799' TVD (Perforated) feet to 17,816' MD/ 7,947' TVD (Perforated)

(Perforated or Open Hole; indicate which)

19

Side 2

INJECTION WELL DATA SHEETTubing Size: 2-7/8" Lining Material: NoneType of Packer: HORNET PACKERPacker Setting Depth: 7539' MD / 7430' 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: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [60660] TURKEY TRACK; BONE SPRING

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: 1ST BONE SPRING SAND - TOP 6803' TVDUNDERLYING: 3RD BONE SPRING SAND - TOP 8660' TVD

Side 1

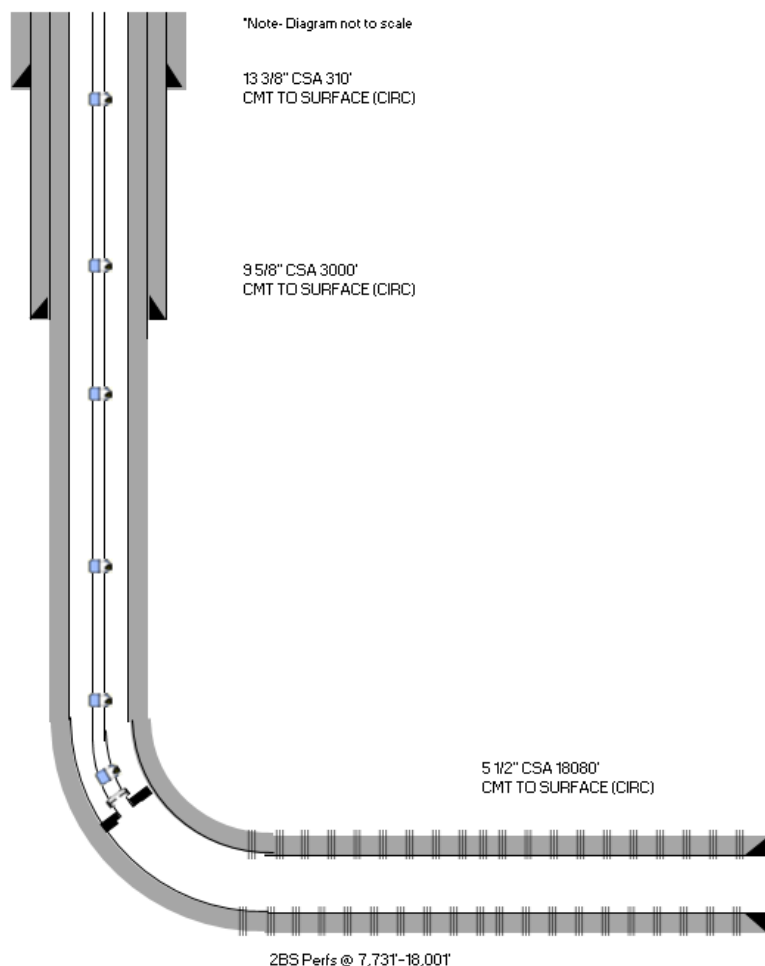
INJECTION WELL DATA SHEET

OPERATOR: OXY USA WTP LIMITED PARTNERSHIPWELL NAME & NUMBER: TURKEY TRACK 4 3 STATE #021H 30-015-44396

WELL LOCATION: <u>1072 FNL 110 FWL</u>	<u>D</u>	<u>4</u>	<u>19S</u>	<u>29E</u>
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

TURKEY TRACK 4 3 - 21H

WELL CONSTRUCTION DATASurface CasingHole Size: 17.5 Casing Size: 13.375Cemented with: 490 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCIntermediate CasingHole Size: 12.25 Casing Size: 9.625Cemented with: 829 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCProduction CasingHole Size: 8.5 Casing Size: 5.5Cemented with: 2736 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCTotal Depth: 18,034' MD / 7,954' TVDInjection Interval7,731' MD/ 7,648' TVD (Perforated) feet to 18,001' MD/ 7,954' TVD (Perforated)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEETTubing Size: 2-7/8" Lining Material: NoneType of Packer: ASX-1 PACKER - 5.500"Packer Setting Depth: 7601' MD / 7533' 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: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [60660] TURKEY TRACK; BONE SPRING

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: 1ST BONE SPRING SAND - TOP 6698' TVDUNDERLYING: 3RD BONE SPRING SAND - TOP 8586' TVD

Side 1

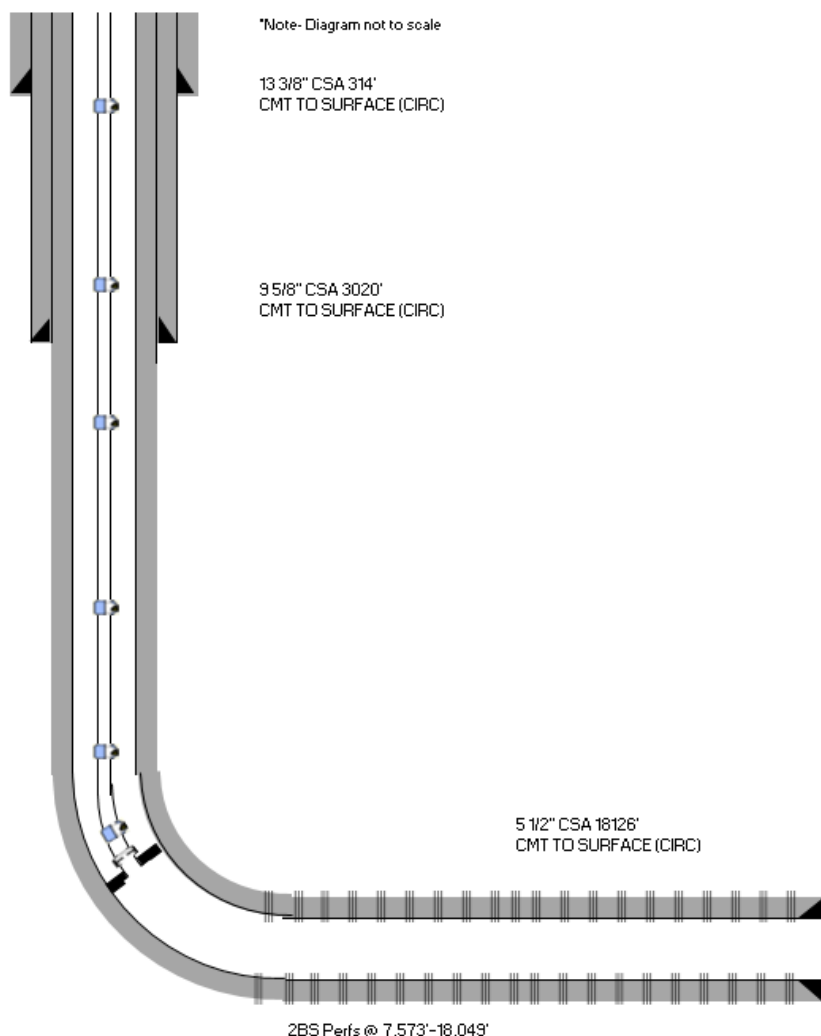
INJECTION WELL DATA SHEET

OPERATOR: OXY USA WTP LIMITED PARTNERSHIPWELL NAME & NUMBER: TURKEY TRACK 4 3 STATE #022H 30-015-44537

WELL LOCATION:	1107 FNL 110 FWL	D	4	19S	29E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

TURKEY TRACK 4 3 - 22H

Hole Size: 17.5" Casing Size: 13.375"Cemented with: 490 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCIntermediate CasingHole Size: 12.25" Casing Size: 9.625"Cemented with: 829 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCProduction CasingHole Size: 8.5" Casing Size: 5.5"Cemented with: 2716 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCTotal Depth: 18,080' MD / 7,957' TVDInjection Interval7,573' MD/ 7,505' TVD (Perforated) feet to 18,048' MD/ 7,957' TVD (Perforated)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEETTubing Size: 2-7/8" Lining Material: NoneType of Packer: AS1X WATSON PACKER - 5.500"Packer Setting Depth: 7498' MD / 7433' 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: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [60660] TURKEY TRACK; BONE SPRING

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: 1ST BONE SPRING SAND - TOP 6745' TVDUNDERLYING: 3RD BONE SPRING SAND - TOP 8540' TVD

Side 1

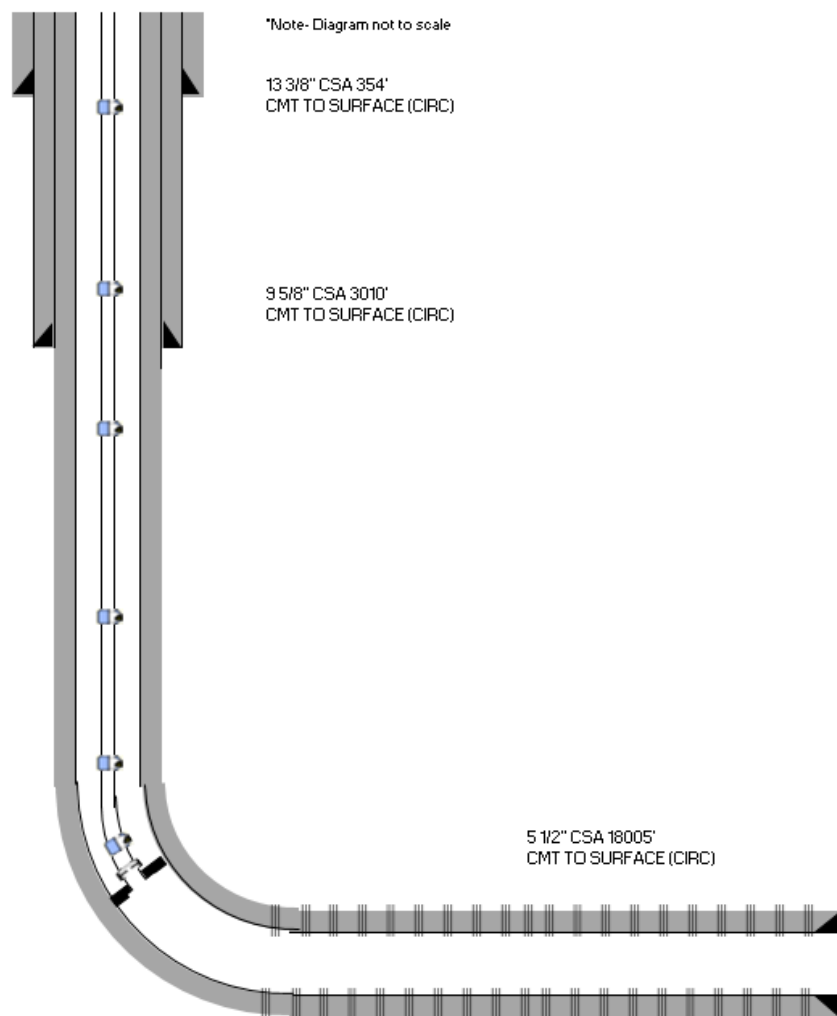
INJECTION WELL DATA SHEET

OPERATOR: OXY USA WTP LIMITED PARTNERSHIPWELL NAME & NUMBER: TURKEY TRACK 4 3 STATE #023H 30-015-44517

WELL LOCATION:	1660 FSL 360 FWL	L	4	19S	29E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

TURKEY TRACK 4 3 - 23H

WELL CONSTRUCTION DATASurface CasingHole Size: 17.5" Casing Size: 13.375"Cemented with: 490 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCIntermediate CasingHole Size: 12.25" Casing Size: 9.625"Cemented with: 770 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCProduction CasingHole Size: 8.5" Casing Size: 5.5"Cemented with: 2715 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCTotal Depth: 17,995' MD / 7,955' TVDInjection Interval7,703' MD/ 7,637' TVD (Perforated) feet to 17,928' MD/ 7,960' TVD (Perforated)

(Perforated or Open Hole; indicate which)

25

Side 2

INJECTION WELL DATA SHEETTubing Size: 2-7/8" Lining Material: NoneType of Packer: WATSON PACKER AS1-XPacker Setting Depth: 7643' MD / 7589' 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: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [60660] TURKEY TRACK; BONE SPRING

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: 1ST BONE SPRING SAND - TOP 6816' TVDUNDERLYING: 3RD BONE SPRING SAND - TOP 8610' TVD

Side 1

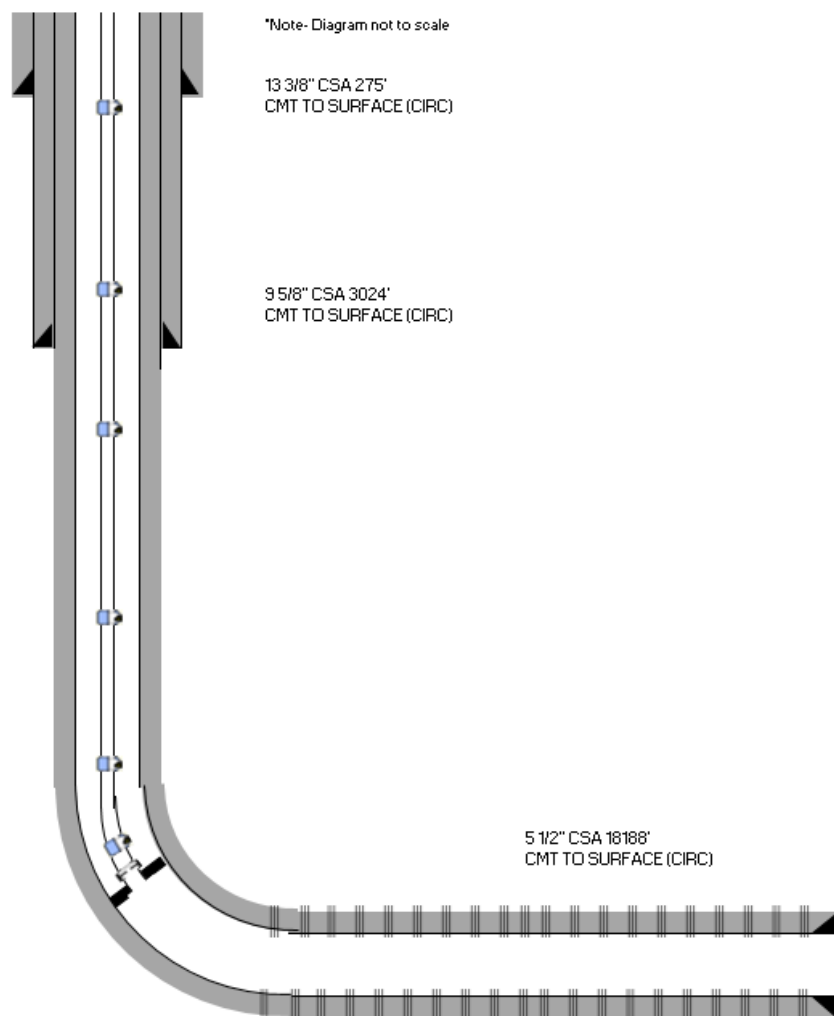
INJECTION WELL DATA SHEET

OPERATOR: OXY USA WTP LIMITED PARTNERSHIPWELL NAME & NUMBER: TURKEY TRACK 4 3 STATE #024H 30-015-44518

WELL LOCATION:	1625 FSL 360 FWL	L	4	19S	29E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

TURKEY TRACK 4 3 - 24H



*Note- Diagram not to scale

13 3/8" CSA 275'
CMT TO SURFACE (CIRC)9 5/8" CSA 3024'
CMT TO SURFACE (CIRC)5 1/2" CSA 18188'
CMT TO SURFACE (CIRC)

2BS Perfs @ 7,871'-18,096'

Hole Size: 17.5" Casing Size: 13.375"Cemented with: 460 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCIntermediate CasingHole Size: 12.25" Casing Size: 9.625"Cemented with: 3024 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCProduction CasingHole Size: 8.5" Casing Size: 5.5"Cemented with: 2730 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCTotal Depth: 18,140' MD / 7,979' TVDInjection Interval7,871' MD/ 7,682' TVD (Perforated) feet to 18,096' MD/ 7,976' TVD (Perforated)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEETTubing Size: 2-7/8" Lining Material: _____Type of Packer: WATSON PACKER AS1-XPacker Setting Depth: 7753' MD / 7591' 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: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [60660] TURKEY TRACK; BONE SPRING

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: 1ST BONE SPRING SAND - TOP 6821' TVDUNDERLYING: 3RD BONE SPRING SAND - TOP 8615' TVD

Side 1

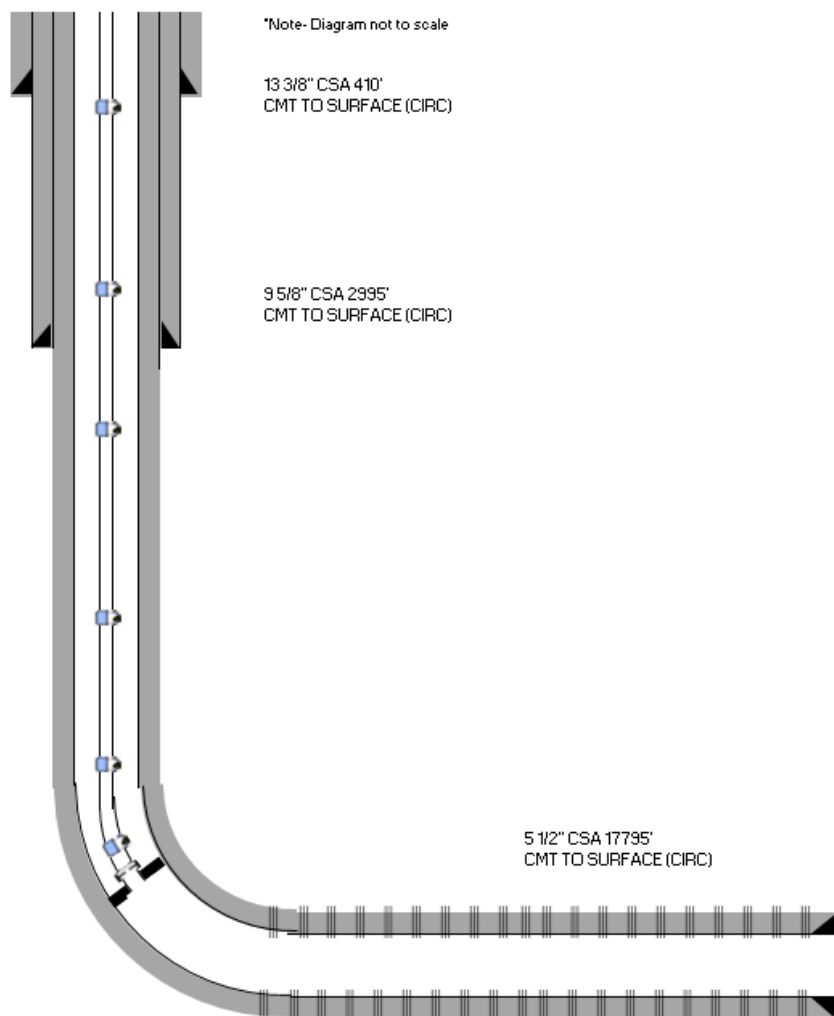
INJECTION WELL DATA SHEET

OPERATOR: OXY USA WTP LIMITED PARTNERSHIPWELL NAME & NUMBER: TURKEY TRACK 8 7 STATE #022H 30-015-44142

WELL LOCATION: <u>1118 FNL 70 FWL</u>	<u>D</u>	<u>9</u>	<u>19S</u>	<u>29E</u>
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

TURKEY TRACK 8 7 - 22H

Hole Size: 17.5" Casing Size: 13.375"Cemented with: 600 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCIntermediate CasingHole Size: 12.25" Casing Size: 9.625"Cemented with: 1077 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCProduction CasingHole Size: 8.75" Casing Size: 5.5"Cemented with: 2799 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCTotal Depth: 17,752' MD / 7,667' TVDInjection Interval8,017' MD/ 7,806' TVD (Perforated) feet to 17,641' MD/ 7,672' TVD (Perforated)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEETTubing Size: 2-7/8" Lining Material: NoneType of Packer: BAKER HUGHES HORNET PACKERPacker Setting Depth: 7358' MD / 7300' 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: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [60660] TURKEY TRACK; BONE SPRING

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 ZONE: 1ST BONE SPRING SAND - TOP 6884' TVDUNDERLYING ZONE: 3RD BONE SPRING SAND - TOP 8560' TVD

Side 1

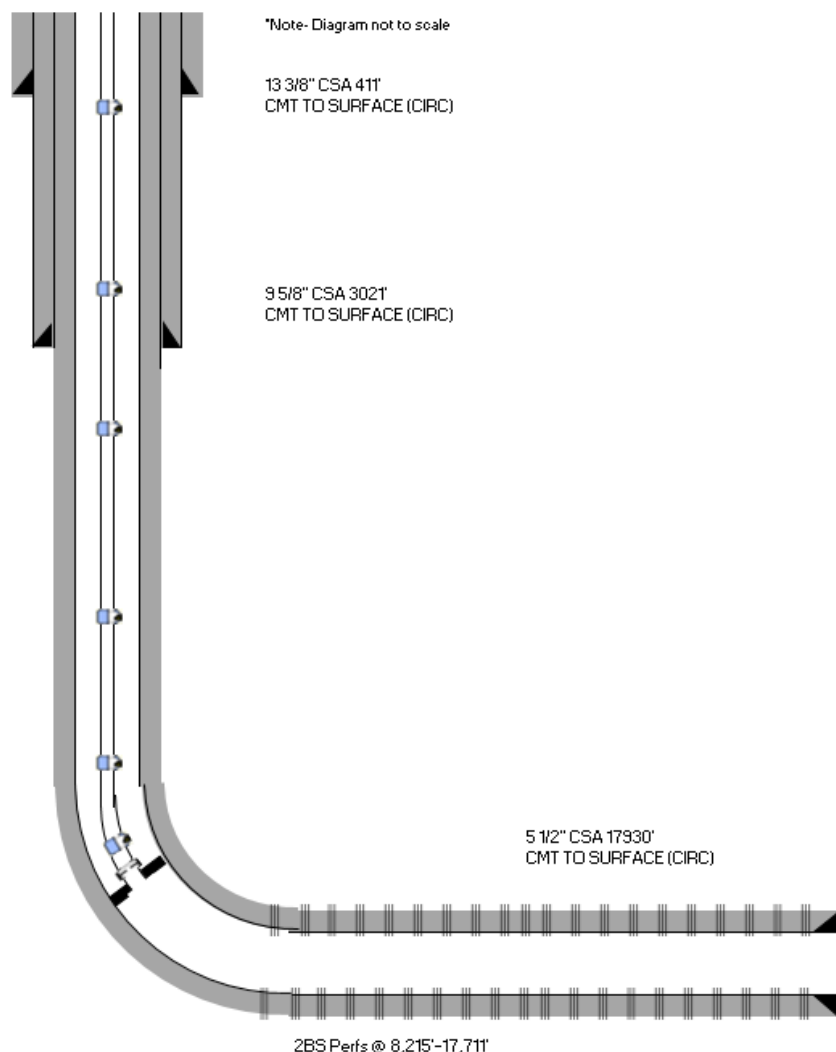
INJECTION WELL DATA SHEET

OPERATOR: OXY USA WTP LIMITED PARTNERSHIPWELL NAME & NUMBER: TURKEY TRACK 8 7 STATE #023H 30-015-44143

WELL LOCATION: <u>1254 FSL</u>	<u>195 FWL</u>	<u>M</u>	<u>9</u>	<u>19S</u>	<u>29E</u>
FOOTAGE LOCATION		UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

TURKEY TRACK 8 7 - 23H

Hole Size: 17.5" Casing Size: 13.375"Cemented with: 530 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCIntermediate CasingHole Size: 12.25" Casing Size: 9.625"Cemented with: 1015 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCProduction CasingHole Size: 8.75" Casing Size: 5.5"Cemented with: 2733 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCTotal Depth: 17,883' MD / 7,624' TVDInjection Interval8,215' MD/ 7,860' TVD (Perforated) feet to 17,710' MD/ 7,631' TVD (Perforated)

(Perforated or Open Hole; indicate which)

31

Side 2

INJECTION WELL DATA SHEETTubing Size: 2-7/8" Lining Material: NoneType of Packer: BAKER HORNET PACKERPacker Setting Depth: 7598' MD / 7537' 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: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [60660] TURKEY TRACK; BONE SPRING

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: 1ST BONE SPRING SAND - TOP 6783' TVDUNDERLYING: 3RD BONE SPRING SAND - TOP 8495' TVD

Side 1

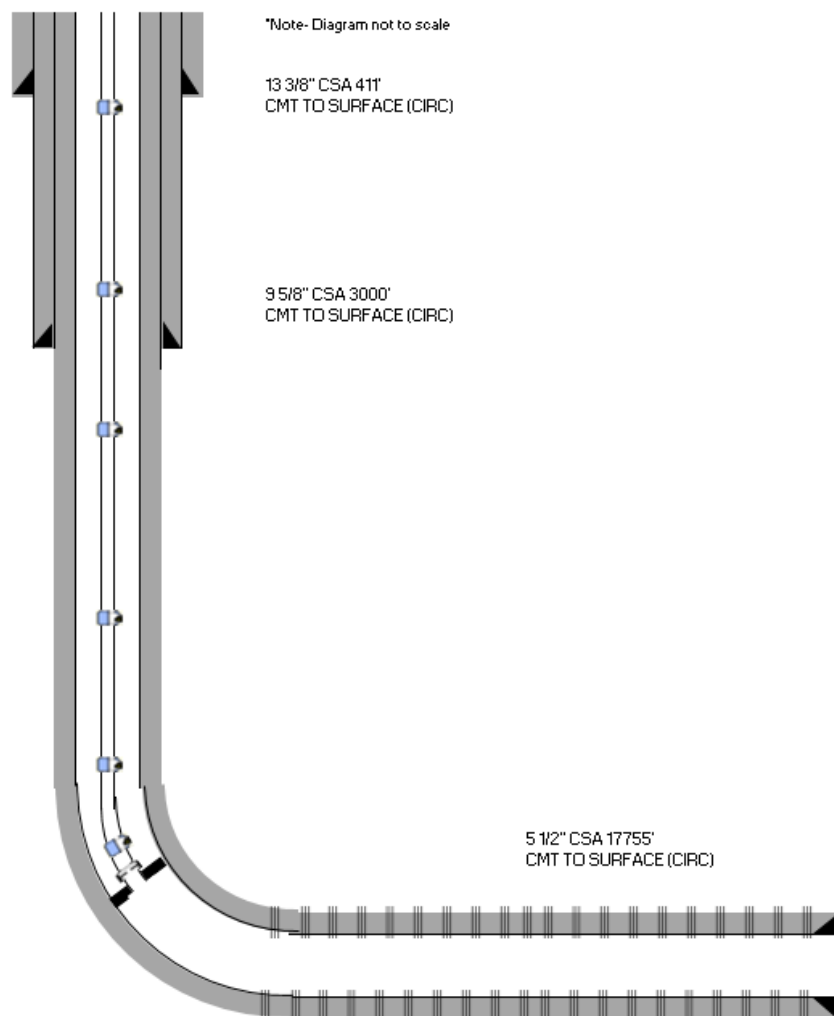
INJECTION WELL DATA SHEET

OPERATOR: OXY USA WTP LIMITED PARTNERSHIPWELL NAME & NUMBER: TURKEY TRACK 8 7 STATE #024H 30-015-44145

WELL LOCATION: <u>1224 FSL</u>	<u>195 FWL</u>	<u>M</u>	<u>9</u>	<u>19S</u>	<u>29E</u>
FOOTAGE LOCATION		UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

TURKEY TRACK 8 7 - 24H

Hole Size: 17.5" Casing Size: 13.375"Cemented with: 630 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCIntermediate CasingHole Size: 12.25" Casing Size: 9.625"Cemented with: 1070 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCProduction CasingHole Size: 8.75" Casing Size: 5.5"Cemented with: 2864 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCTotal Depth: 17,708' MD / 7,672' TVDInjection Interval8,040' MD/ 7,799' TVD (Perforated) feet to 17,538' MD/ 7,678' TVD (Perforated)

(Perforated or Open Hole; indicate which)

33

Side 2

INJECTION WELL DATA SHEETTubing Size: 2-7/8" Lining Material: NoneType of Packer: BAKER HUGHES HORNET PACKERPacker Setting Depth: 7607' MD / 7514' 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: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [60660] TURKEY TRACK; BONE SPRING

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: 1ST BONE SPRING SAND - TOP 6804' TVDUNDERLYING: 3RD BONE SPRING SAND - TOP 8613' TVD

Side 1

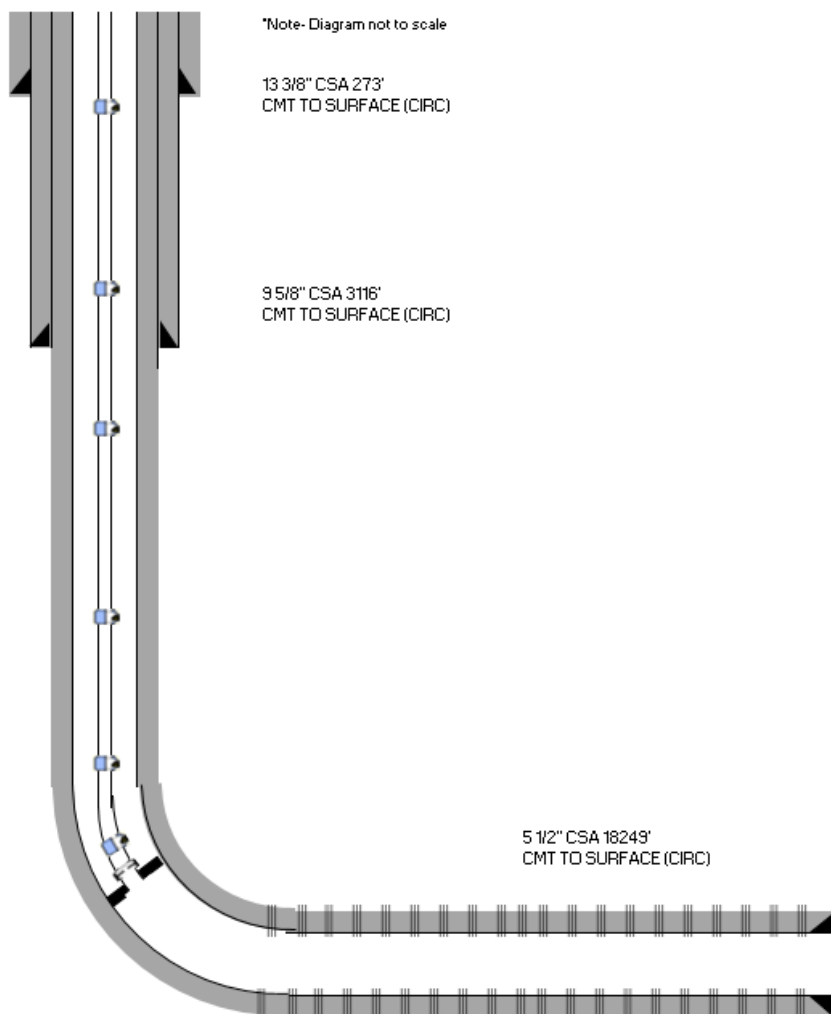
INJECTION WELL DATA SHEET

OPERATOR: OXY USA WTP LIMITED PARTNERSHIPWELL NAME & NUMBER: TURKEY TRACK 8 7 STATE #201H 30-015-45681

WELL LOCATION: <u>1114 FNL</u>	<u>475 FWL</u>	<u>D</u>	<u>9</u>	<u>19S</u>	<u>29E</u>
FOOTAGE LOCATION		UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

TURKEY TRACK 8 7 - 201H

Hole Size: 17.5" Casing Size: 13.375"Cemented with: 770 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCIntermediate CasingHole Size: 12.25" Casing Size: 9.625"Cemented with: 669 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCProduction CasingHole Size: 8.5 Casing Size: 5.5Cemented with: 2880 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCTotal Depth: 18,202' MD / 7,659' TVDInjection Interval8,062' MD/ 7,825' TVD (Perforated) feet to 18,159' MD/ 7,661' TVD (Perforated)

(Perforated or Open Hole; indicate which)

35

2BS Perfs @ 8,062'-18,159'

Side 2

INJECTION WELL DATA SHEETTubing Size: 2-7/8" Lining Material: NoneType of Packer: AS1-XPacker Setting Depth: 7624' MD / 7567' 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: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [60660] TURKEY TRACK; BONE SPRING

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: 1ST BONE SPRING SAND - TOP 6806' TVDUNDERLYING: 3RD BONE SPRING SAND - TOP 8595' TVD

Side 1

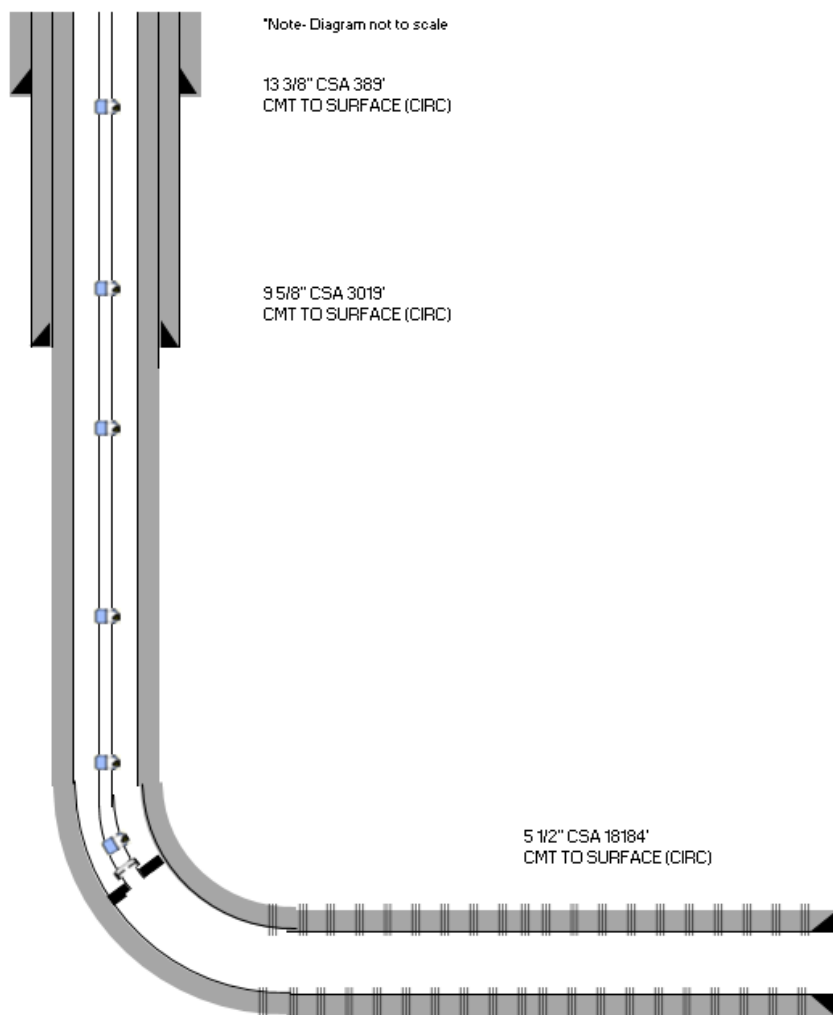
INJECTION WELL DATA SHEET

OPERATOR: OXY USA WTP LIMITED PARTNERSHIPWELL NAME & NUMBER: TURKEY TRACK 9 10 STATE #021H 30-015-44117

WELL LOCATION: <u>2120 FNL</u>	<u>395 FEL</u>	<u>H</u>	<u>8</u>	<u>19S</u>	<u>29E</u>
FOOTAGE LOCATION		UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

TURKEY TRACK 9 10 - 21H

Hole Size: 17.5" Casing Size: 13.375"Cemented with: 373 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCIntermediate CasingHole Size: 12.25" Casing Size: 9.625"Cemented with: 1089 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCProduction CasingHole Size: 8.5" Casing Size: 5.5"Cemented with: 2743 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCTotal Depth: 18,137' MD / 7,976' TVDInjection Interval8,189' MD/ 7,840' TVD (Perforated) feet to 18,007' MD/ 7,976' TVD (Perforated)

(Perforated or Open Hole; indicate which)

37

Side 2

INJECTION WELL DATA SHEETTubing Size: 2-7/8" Lining Material: NoneType of Packer: BAKER HORNET PACKERPacker Setting Depth: 7580' MD / 7441' 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: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [60660] TURKEY TRACK; BONE SPRING

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: 1ST BONE SPRING SAND - TOP 6834' TVDUNDERLYING: 3RD BONE SPRING SAND - TOP 8550' TVD

Side 1

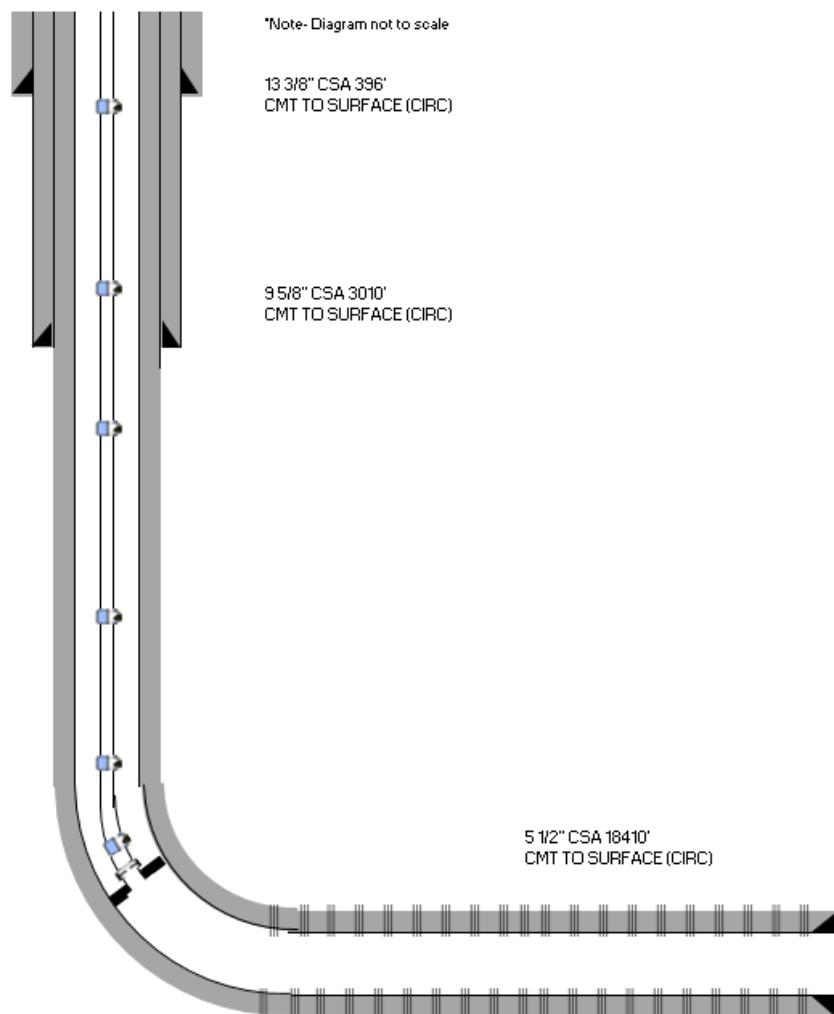
INJECTION WELL DATA SHEET

OPERATOR: OXY USA WTP LIMITED PARTNERSHIPWELL NAME & NUMBER: TURKEY TRACK 9 10 STATE #022H 30-015-44122

WELL LOCATION: <u>2150 FNL</u>	<u>395 FEL</u>	<u>H</u>	<u>8</u>	<u>19S</u>	<u>29E</u>
FOOTAGE LOCATION		UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

TURKEY TRACK 9 10 - 22H

Hole Size: 17.5" Casing Size: 13.375"Cemented with: 746 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCIntermediate CasingHole Size: 12.25" Casing Size: 9.625"Cemented with: 1089 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCProduction CasingHole Size: 8.5" Casing Size: 5.5"Cemented with: 2826 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCTotal Depth: 18,137' MD / 7,989' TVDInjection Interval8,414' MD/ 7,898' TVD (Perforated) feet to 18,232' MD/ 7,983' TVD (Perforated)

(Perforated or Open Hole; indicate which)

39

Side 2

INJECTION WELL DATA SHEETTubing Size: 2-7/8" Lining Material: NoneType of Packer: BAKER HORNET PACKERPacker Setting Depth: 7524' MD / 7515' 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: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [60660] TURKEY TRACK; BONE SPRING

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: 1ST BONE SPRING SAND - TOP 6815' TVDUNDERLYING: 3RD BONE SPRING SAND - TOP 8560' TVD

Side 1

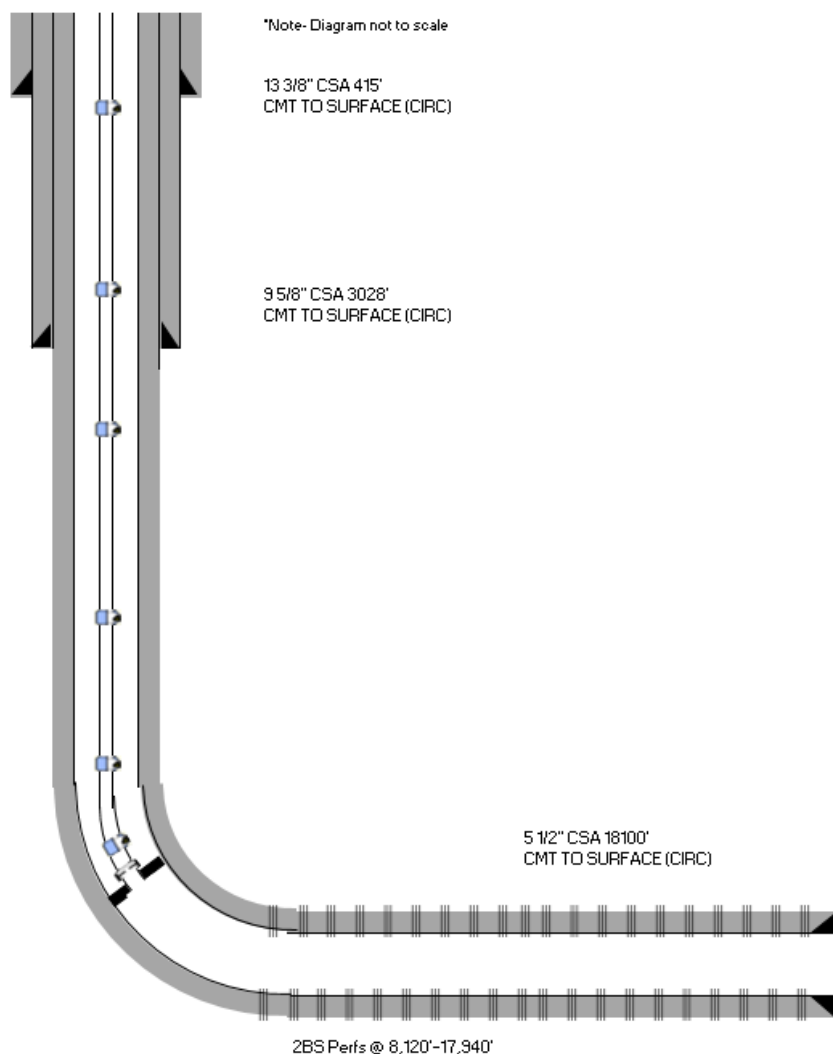
INJECTION WELL DATA SHEET

OPERATOR: OXY USA WTP LIMITED PARTNERSHIPWELL NAME & NUMBER: TURKEY TRACK 9 10 STATE #023H 30-015-44154

WELL LOCATION: <u>1195 FSL 220 FEL</u>	<u>P</u>	<u>8</u>	<u>19S</u>	<u>29E</u>
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

TURKEY TRACK 9 10 - 23H



*Note- Diagram not to scale

13 3/8" CSA 415'
CMT TO SURFACE (CIRC)9 5/8" CSA 3028'
CMT TO SURFACE (CIRC)5 1/2" CSA 18100'
CMT TO SURFACE (CIRC)

2BS Perfs @ 8,120'-17,940'

WELL CONSTRUCTION DATASurface CasingHole Size: 17.5" Casing Size: 13.375"Cemented with: 485 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCIntermediate CasingHole Size: 12.25 Casing Size: 9.625Cemented with: 1077 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCProduction CasingHole Size: 8.5" Casing Size: 5.5"Cemented with: 2873 sx. **or** ft³Top of Cement: SURFACE Method Determined: CIRCTotal Depth: 18,072' MD / 7,962' TVDInjection Interval8,120' MD/ 7,852' TVD (Perforated) feet to 17,939' MD/ 7,963' TVD (Perforated)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEETTubing Size: 2-7/8" Lining Material: NoneType of Packer: BAKER HUGHES HORNET PACKERPacker Setting Depth: 7555' MD 7515' 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: 2ND BONE SPRING

3. Name of Field or Pool (if applicable): [60660] TURKEY TRACK; BONE SPRING

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

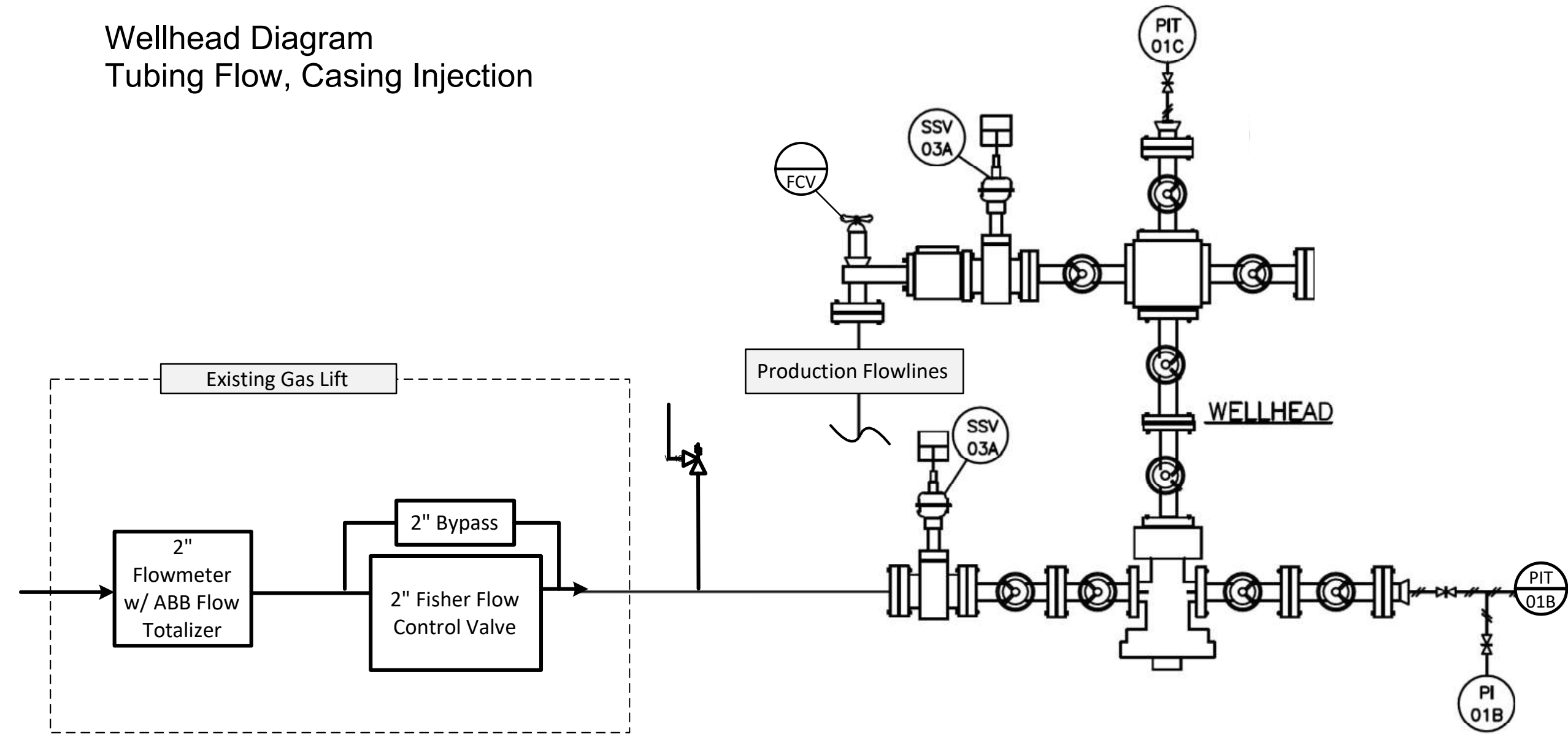
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

OVERLYING: 1ST BONE SPRING SAND - TOP 6802' TVDUNDERLYING: 3RD BONE SPRING SAND - TOP 8654' TVD

Max Allowable Surface Pressure (MASP) Table

API#	Well Name	Proposed Max Allowable Surface Pressure (MASP) (PSI)	Current Average Surface Injection 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 (%)
3001544396	TURKEY TRACK 4-3 STATE 21H	1,335	744	1,335	3	5	7,648	0.468	12,640	39%	7,648	0.175	7,648	0.200	0.650	58%
3001544537	TURKEY TRACK 4-3 STATE 22H	1,335	883	1,335	3	5	7,505	0.468	12,640	38%	7,507	0.178	7,507	0.200	0.650	58%
3001544517	TURKEY TRACK 4-3 STATE 23H	1,335	859	1,335	3	5	7,637	0.468	12,640	39%	7,637	0.175	7,637	0.200	0.650	58%
3001544518	TURKEY TRACK 4-3 STATE 24H	1,335	856	1,335	3	5	7,682	0.468	12,640	39%	7,683	0.174	7,683	0.200	0.650	58%
3001544142	TURKEY TRACK 8-7 STATE 22H	1,335	596	1,335	3	5	7,806	0.468	12,640	39%	7,807	0.171	7,807	0.200	0.650	57%
3001544143	TURKEY TRACK 8-7 STATE 23H	1,335	899	1,335	3	5	7,860	0.468	12,640	40%	7,860	0.170	7,860	0.200	0.650	57%
3001544145	TURKEY TRACK 8-7 STATE 24H	1,335	675	1,335	3	5	7,672	0.468	12,640	39%	7,799	0.171	7,799	0.200	0.650	57%
3001545681	TURKEY TRACK 8-7 201H	1,335	865	1,335	3	5	7,825	0.468	12,640	40%	7,825	0.171	7,825	0.200	0.650	57%
3001544117	TURKEY TRACK 9-10 21H	1,335	580	1,335	3	5	7,840	0.468	12,640	40%	7,841	0.170	7,841	0.200	0.650	57%
3001544122	TURKEY TRACK 9-10 22H	1,335	600	1,335	3	5	7,898	0.468	12,640	40%	7,899	0.169	7,899	0.200	0.650	57%
3001544154	TURKEY TRACK 9-10 23H	1,335	600	1,335	3	5	7,852	0.468	12,640	40%	7,852	0.170	7,852	0.200	0.650	57%
3001544156	TURKEY TRACK 9-10 24H	1,335	850	1,335	3	5	7,799	0.468	12,640	39%	7,799	0.171	7,799	0.200	0.650	57%
	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)

Wellhead Diagram
Tubing Flow, Casing Injection



KEY
SSV – Safety Shutdown Valve
PI – Pressure Indicator
PIT – Pressure Indicating Transmitter
FCV- Flow Control Valve

Mechanical Integrity Test (MIT) Summary Table

API10	Well Name	MIT #1	
		Date	Surface Pressure [psi]
3001544396	TURKEY TRACK 4-3 STATE 21H	6/30/2019	9800
3001544537	TURKEY TRACK 4-3 STATE 22H	6/30/2019	9800
3001544517	TURKEY TRACK 4-3 STATE 23H	7/11/2019	9800
3001544518	TURKEY TRACK 4-3 STATE 24H	7/11/2019	9800
3001544142	TURKEY TRACK 8-7 STATE 22H	12/12/2017	9800
3001544143	TURKEY TRACK 8-7 STATE 23H	11/4/2017	9800
3001544145	TURKEY TRACK 8-7 STATE 24H	11/5/2017	9800
3001545681	TURKEY TRACK 8-7 201H	8/5/2019	9800
3001544117	TURKEY TRACK 9-10 21H	9/26/2017	9800
3001544122	TURKEY TRACK 9-10 22H	10/1/2017	9500
3001544154	TURKEY TRACK 9-10 23H	12/1/2017	9870
3001544156	TURKEY TRACK 9-10 24H	12/3/2017	9500

Turkey Track

Gas Source Well List

PLC 517 Gas Surface Commingle

LEASE NAME	WELL NUMBER	API
CONOCO 7 STATE	001	30-015-23174
CONOCO 7 STATE	010	30-015-23933
OXY AUTO STATE	001	30-015-29464
OXY SPARKPLUG STATE	001	30-015-29465
JOEL STATE	001	30-015-34698
OXY CHAMPION STATE	002	30-015-36215
OXY CHECKER STATE COM	003	30-015-36218
TURKEY TRACK 9 10 STATE	032H	30-015-44109
TURKEY TRACK 9 10 STATE	021H	30-015-44117
TURKEY TRACK 9 10 STATE	022H	30-015-44122
TURKEY TRACK 8 7 STATE	022H	30-015-44142
TURKEY TRACK 8 7 STATE	023H	30-015-44143
TURKEY TRACK 8 7 STATE	024H	30-015-44145
TURKEY TRACK 9 10 STATE	023H	30-015-44154
TURKEY TRACK 9 10 STATE	024H	30-015-44156
TURKEY TRACK 8 7 STATE	033H	30-015-44159
TURKEY TRACK 8 7 STATE	034H	30-015-44160
TURKEY TRACK 9 10 STATE	031H	30-015-44193
TURKEY TRACK 9 10 STATE	033H	30-015-44194
TURKEY TRACK 9 10 STATE	034H	30-015-44195
TURKEY TRACK 8 7 STATE	031H	30-015-44266
TURKEY TRACK 8 7 STATE	032H	30-015-44267
TURKEY TRACK 4 3 STATE	031H	30-015-44334
TURKEY TRACK 4 3 STATE	032H	30-015-44386
TURKEY TRACK 4 3 STATE	021H	30-015-44396
TURKEY TRACK 4 3 STATE	033H	30-015-44411
TURKEY TRACK 4 3 STATE	034H	30-015-44432
TURKEY TRACK 4 3 STATE	023H	30-015-44517
TURKEY TRACK 4 3 STATE	024H	30-015-44518
TURKEY TRACK 8 7 STATE	201H	30-015-45681

Turkey Track Gas Analysis Summary 6/26/2023

- The primary, third-party gas takeaway is Enterprise.
- The secondary, DCP third-party gas takeaway is DCP. It can only be used for 9 of the wells.
- Central Tank Batteries (CTBs)
 - All producing wells flow to the Turkey Track CTB.
 - See Gas Source Well List for list of wells.
- Centralized Gas Lift Compressors (CGLs)
 - All low-pressure gas lines connect to the Turkey Track GL Compressor Station.
 - CGLs increase pressure from ~70 psig to ~1250 psig.
 - High-high emergency shutdown pressure is 1330 psi.
- Gas analysis is provided for:
 - CGL Injection gas
 - Second Bone Spring production



Certificate of Analysis

Number: 6030-22020136-001A

Artesia Laboratory

200 E Main St.

Artesia, NM 88210

Phone 575-746-3481

Field:	Turkey Track	Sampled By:	Feb. 09, 2022 Occidental Petroleum
Station Name:	Turkey Track CGL Discharge	Sample Of:	Gas Spot
Station Number:	N/A	Sample Date:	02/08/2022 14:00
Station Location:	OXY	Sample Conditions:	1216 psig, @ 92 °F Ambient: 64 °F
Sample Point:	Discharge Line	Effective Date:	02/08/2022 14:00
Formation:	Semi Annual	Method:	GPA-2261M
County:	Eddy, NM	Cylinder No:	1111-001113
Type of Sample:	Spot-Cylinder	Instrument:	6030_GC6 (Inficon GC-3000 Micro)
Heat Trace Used:	N/A	Last Inst. Cal.:	02/07/2022 0:00 AM
Sampling Method:	Fill and Purge	Analyzed:	02/09/2022 12:14:06 by ERG
Sampling Company:	SPL		

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.65 psia	
Hydrogen Sulfide	0.000	0.000	0.000		GPM TOTAL C2+ 6.073
Nitrogen	1.984	2.012	2.613		GPM TOTAL C3+ 2.945
Methane	75.254	76.298	56.737		GPM TOTAL iC5+ 0.527
Carbon Dioxide	0.234	0.237	0.483		
Ethane	11.558	11.718	16.333	3.128	
Propane	5.710	5.789	11.833	1.592	
Iso-butane	0.745	0.755	2.034	0.247	
n-Butane	1.814	1.839	4.955	0.579	
Iso-pentane	0.416	0.422	1.411	0.154	
n-Pentane	0.421	0.427	1.428	0.154	
Hexanes Plus	0.496	0.503	2.173	0.219	
	98.632	100.000	100.000	6.073	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7474	3.2176
Calculated Molecular Weight	21.57	93.19
Compressibility Factor	0.9963	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.65 psia & 60°F

Real Gas Dry BTU	1269	5113
Water Sat. Gas Base BTU	1247	5024
Ideal, Gross HV - Dry at 14.65 psia	1264.0	5113.2
Ideal, Gross HV - Wet	1241.9	5023.7
Net BTU Dry Gas - real gas	1152	
Net BTU Wet Gas - real gas	1132	

Comments: H2S Field Content 0 ppm

Chandler Montgomery

Digitally signed by: Chandler

Montgomery

DN: CN = Chandler Montgomery email

= chandler_montgomery@oxy.com C

= AD O = Oxy USA OU = Permian

Resources NM

Date: 2022.02.24 20:43:30 -06'00'

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

Corrosion Prevention Plan

Existing Corrosion Prevention Plan

- Produced gas is processed through a gas dehydration unit to remove water.
- Corrosion inhibitor is added to the system downstream of the gas dehydration unit.
- Fluid samples are taken regularly and checked for Fe, Mn, and residual corrosion inhibitor in produced fluids.
- Continuously monitor and adjust the chemical treatment over the life of the well.

Oxy will continue the existing corrosion prevention plan in place for the gas lift system due to the similar nature of gas storage operations.

- Fluid samples will be taken prior to injection to establish a baseline for analysis.
- After a storage event, fluid samples will be taken to check for Fe, Mn, and residual corrosion inhibitor in the produced fluids.
- Continuously monitor and adjust the chemical treatment over the life of the project.



NM GAS STORAGE OPERATIONAL PLAN

Operational Plan

WELLSITE CLGC

Oxy USA Inc. (Oxy) will monitor the following items on each Closed Loop Gas Capture (CLGC) well via SCADA system:

- Injection flow rate and volume
 - Instantaneous Rate
 - Total Injected by Day (volume)
- Tubing Pressure
- Casing Pressure
- Bradenhead Pressures
- Safety devices
 - Pressure kills have an automated kill sequence that is initiated by SCADA system readings.
 - Injection pressure kills on production stream for injection
 - Relief Valves for both production and gas storage/injection streams to prevent overpressure (not monitored via SCADA other than pressure trend)
 - Control of injection rate and pressures via control valve at each well injection stream
 - Control of production stream via automated choke valves to ensure controlled production and prevent over pressurization of flowline

CENTRAL TANK BATTERY (CTB)

Oxy will monitor the following items at each CTB via SCADA system:

- Production Rates
 - Oil
 - Gas
 - Water
- Safety devices
 - Flares at CTBs
 - Injection pressure kills on production/gas storage stream for injection
 - Emergency Shutdown (ESD) of wells that are local and remote for automatic shut downs to safe the system
 - Control of injection rate and pressures via control valve at each well injection stream

CENTRAL GAS LIFT (CGL) COMPRESSOR(S)

Oxy will monitor the following items on each Central Gas Lift (CGL) Compressor Station via SCADA system:

- Safety devices
 - Discharge/injection pressure kills of each compressor and for the station
 - Relief Valves on 3rd stage of compressors, to prevent over pressurization (not monitored via SCADA other than pressure trend)
 - Station recycle valves (that recycle discharge pressure back to suction) if the pressure is getting too high for the compressor or station. (not all control valves are capable of

remote monitoring of valve position; but still monitored in some sense of the pressure trend for the station)

SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)

Oxy SCADA system consists of PLCs at each CTB, Wellsite, and Central Gas Lift compressor or station.

- The Programmable Logic Controller (PLCs) will take action immediately (within seconds or minutes) as programmed to automatically safe the system as required; for the system and certain device shut down(s).
- The High Alarms and High-High Alarms will be logged and registered in the SCADA system. Also the call center will take the High Alarm and make the physical phone call notification to the production techs to acknowledge the alarm & take action.

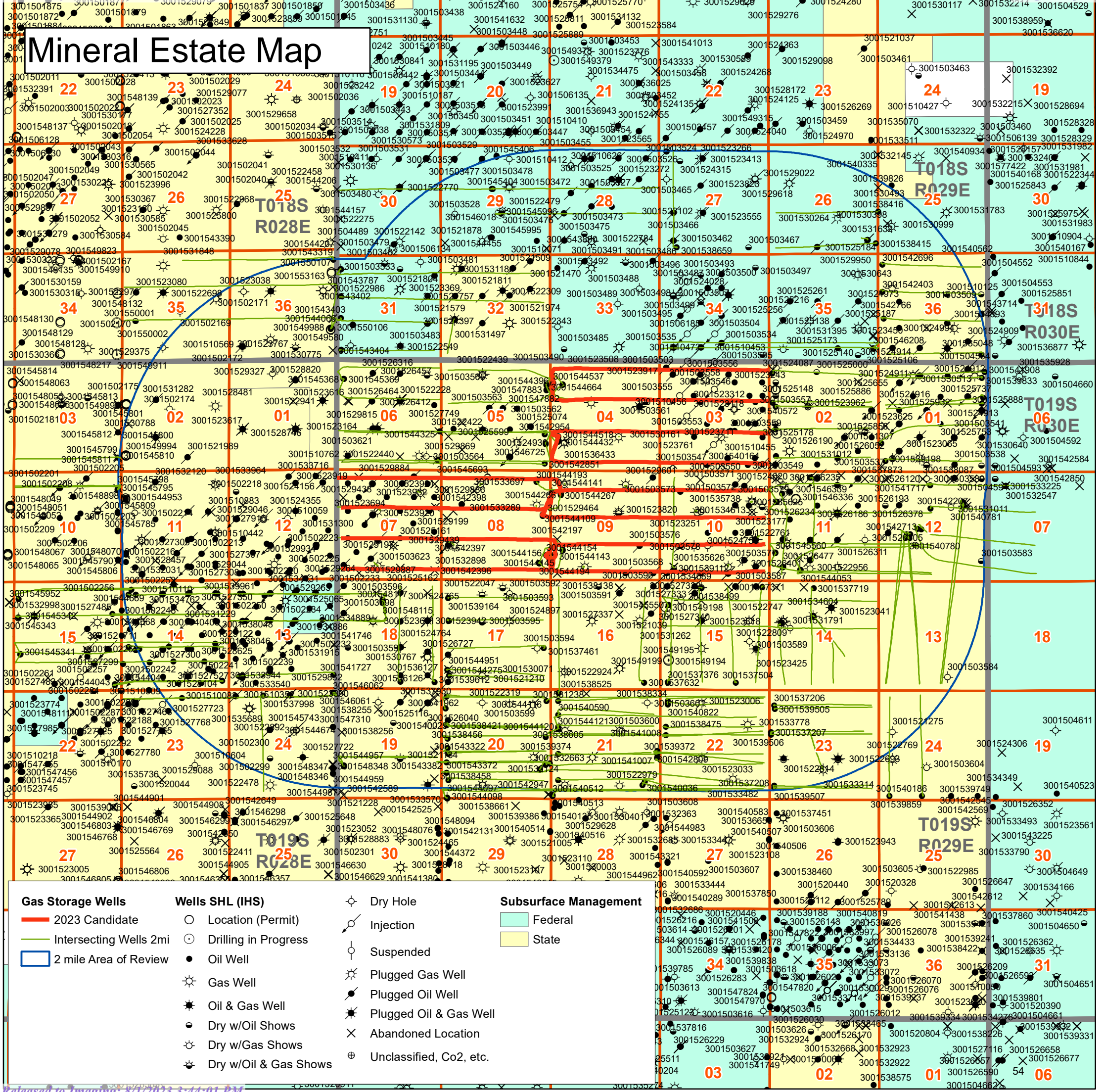
ENVIRONMENTAL/SPILL RESPONSE

Oxy will report and track any spill recordable or non-recordable via our CDR system

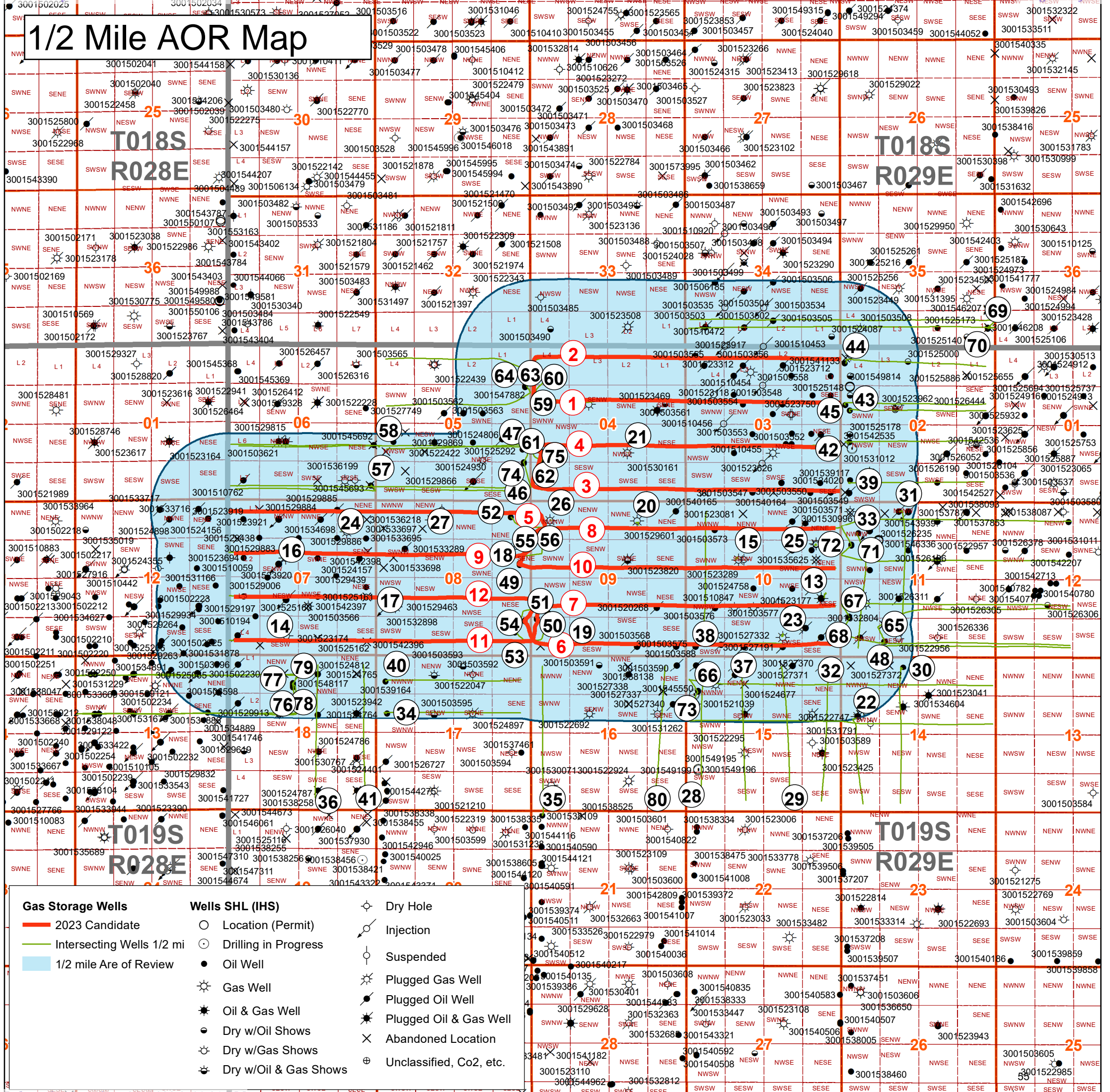
- Any spill or gas release will be reported by operations calling in to our Call Center to make the report of spill/release. The fluid type and release amount will be disclosed along with location details; and if it's a recordable or non-recordable spill.
- Liquids will be contained and isolated and vacuum trucks will be called in to recover the liquid and will also report the amount of liquid recovered on the same CDR spill form.
 - Additional reclamation will be coordinated to ensure proper recovery of contaminated soil and liquid.

Area of Review





1/2 Mile AOR Map



1/2 Mile AOR Table

Red Text indicates CLGC Candidate Well

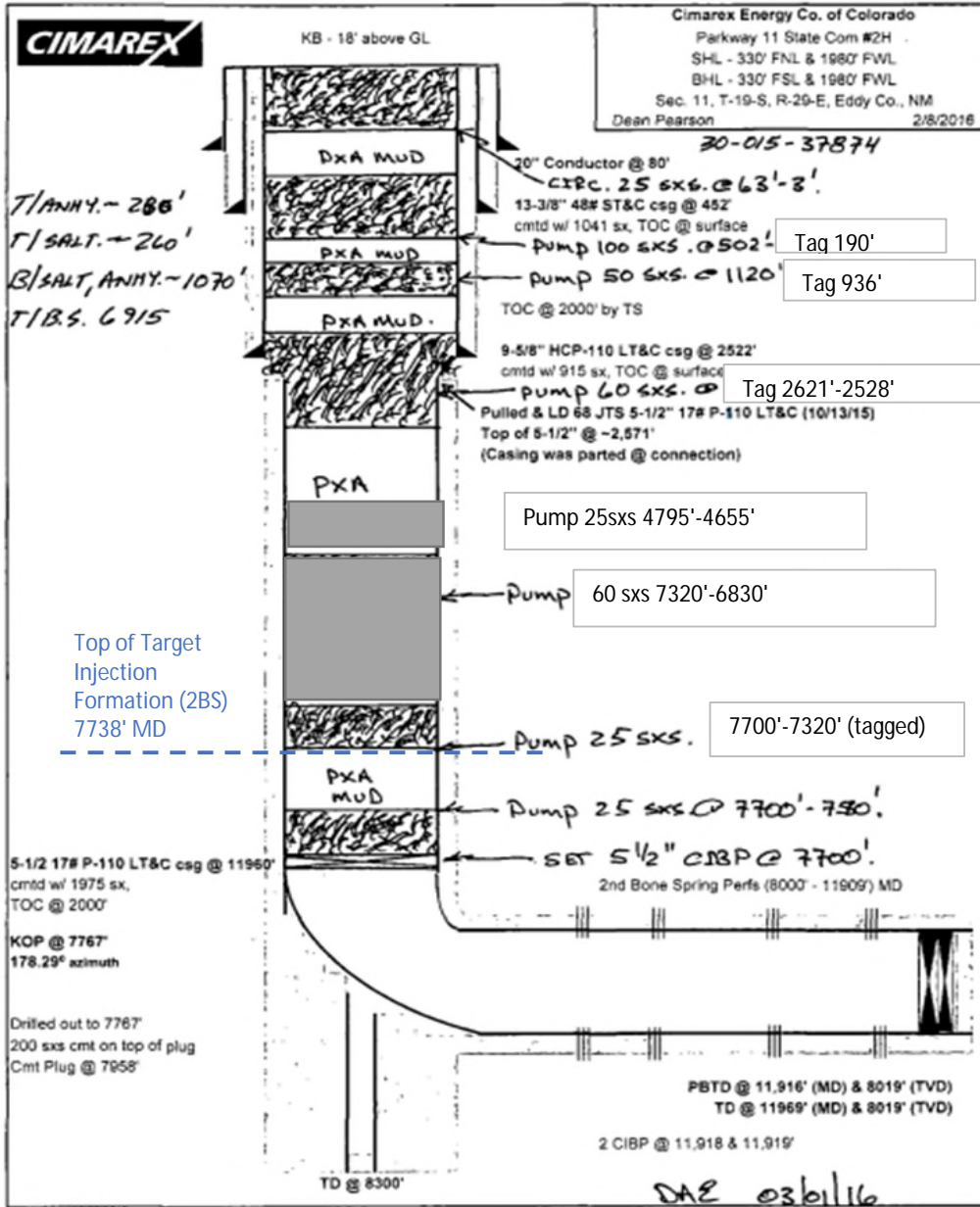
Well ID	API NUMBER	Current Operator	LEASE NAME	WELL NUMBER	Well Type:	Status:	Footages N/S	N/S	Footages E/W	E/W	Surface Location Unit	Surface Location Section	Surface Location TShip	Surface Location Range	Spud:	True Vertical Depth:	HOLE SIZE	CSG SIZE	SET AT	SX CMT	CMT TO	Top Of Cement How	Current Completion [ft]	Current Producing Pool
1	30-015-44396	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 4 3 STATE	021H	Oil	Active	1072	N	110	W	D	4	19S	29E	3/14/2019	7954	17.500 12.250 8.500	13.375 9.625 5.500	310 3000 18080	490 829 2736	Surf Surf Surf	Circ Circ Circ	7731-18001	[60660] TURKEY TRACK; BONE SPRING
2	30-015-44537	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 4 3 STATE	022H	Oil	Active	1107	N	110	W	D	4	19S	29E	3/15/2019	7957	17.500 12.250 8.500	13.375 9.625 5.500	314 3020 18126	490 829 2716	Surf Surf Surf	Circ Circ Circ	7573-18049	[60660] TURKEY TRACK; BONE SPRING
3	30-015-44517	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 4 3 STATE	023H	Oil	Active	1660	S	360	W	L	4	19S	29E	5/12/2019	7955	17.500 12.250 8.500	13.375 9.625 5.500	354 3010 18005	490 770 2715	Surf Surf Surf	Circ Circ Circ	7703-17929	[60660] TURKEY TRACK; BONE SPRING
4	30-015-44518	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 4 3 STATE	024H	Oil	Active	1625	S	360	W	L	4	19S	29E	5/13/2019	7979	17.500 12.250 8.500	13.375 9.625 5.500	275 3024 18188	460 3024 2730	Surf Surf Surf	Circ Circ Circ	7871-18096	[60660] TURKEY TRACK; BONE SPRING
5	30-015-44142	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 8 7 STATE	022H	Oil	Active	1118	N	70	W	D	9	19S	29E	10/30/2017	7667	17.500 12.250 8.750	13.375 9.625 5.500	410 2995 17795	600 1077 2799	Surf Surf Surf	Circ Circ Circ	8017-17642	[60660] TURKEY TRACK; BONE SPRING
6	30-015-44143	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 8 7 STATE	023H	Oil	Active	1254	S	195	W	M	9	19S	29E	9/1/2017	7624	17.500 12.250 8.750	13.375 9.625 5.500	411 3021 17930	530 1015 2733	Surf Surf Surf	Circ Circ Circ	8215-17711	[60660] TURKEY TRACK; BONE SPRING
7	30-015-44145	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 8 7 STATE	024H	Oil	Active	1224	S	195	W	M	9	19S	29E	9/2/2017	7672	17.500 12.250 8.750	13.375 9.625 5.500	411 3000 17755	630 1070 2864	Surf Surf Surf	Circ Circ Circ	8040-17539	[60660] TURKEY TRACK; BONE SPRING
8	30-015-45681	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 8 7 STATE	201H	Oil	Active	1114	N	475	W	D	9	19S	29E	3/16/2019	7659	17.500 12.250 8.500	13.375 9.625 5.500	273 3116 18249	770 669 2880	Surf Surf Surf	Circ Circ Circ	8062-18159	[60660] TURKEY TRACK; BONE SPRING
9	30-015-44117	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 9 10 STATE	021H	Oil	Active	2120	N	395	E	H	8	19S	29E	6/7/2017	7976	17.500 12.250 8.500	13.375 9.625 5.500	389 3019 18184	373 1089 2743	Surf Surf Surf	Circ Circ Circ	8189-18008	[60660] TURKEY TRACK; BONE SPRING
10	30-015-44122	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 9 10 STATE	022H	Oil	Active	2150	N	395	E	H	8	19S	29E	6/10/2017	7989	17.500 12.250 8.500	13.375 9.625 5.500	396 3010 18410	746 1089 2826	Surf Surf Surf	Circ Circ Circ	8414-18233	[60660] TURKEY TRACK; BONE SPRING
11	30-015-44154	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 9 10 STATE	023H	Oil	Active	1195	S	220	E	P	8	19S	29E	10/14/2017	7962	17.500 12.250 8.500	13.375 9.625 5.500	415 3028 18100	485 1077 2873	Surf Surf Surf	Circ Circ Circ	8120-17940	[60660] TURKEY TRACK; BONE SPRING
12	30-015-44156	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 9 10 STATE	024H	Oil	Active	1165	S	220	E	P	8	19S	29E	10/13/2017	7953	17.500 12.250 8.500	13.375 9.625 5.500	412 3005 17975	685 1070 2734	Surf Surf Surf	Circ Circ Circ	7997-17817	[60660] TURKEY TRACK; BONE SPRING
13	30-015-23066	OXY USA INC	CONOCO 10 STATE	001	Gas	Active	1980	S	660	E	I	10	19S	29E	12/5/1979	11750	17.5 11 7.875	13.375 8.625 5.500	437 2700 11750	400 925 500	Surf 1000 6040	Circ TS TS	9130-9170	[96517] PARKWAY; WOLFCAMP, NORTH
14	30-015-23174	OXY USA INC	CONOCO 7 STATE	001	Gas	Active	660	S	1980	W	N	7	19S	29E	2/12/1980	11610	17.5 11 7.875	13.375 8.625 5.5	400 2690 11610	550 1300 1025	Surf 450 5017	Circ TS Calc	11036-11050	[86480] TURKEY TRACK; MORROW (GAS)
15	30-015-23289	OXY USA INC	CONOCO 10 A	001Y	Gas	Active	1980	N	1800	W	F	10	19S	29E	4/12/1980	11700	17.5 11 7.875	13.375 8.625 5.5	330 3020 11682	435 1692 1175	Surf Surf 4520	Circ Circ Calc	11296-11308	[86445] TURKEY TRACK; ATOKA (GAS)
16	30-015-23933	OXY USA INC	CONOCO 7 STATE	010	Gas	Active	1980	N	1980	W	F	7	19S	29E	11/4/1981	11550	17.5 12.25 7.875	13.375 8.625 5.5	377 3020 11533	375 780 785	Surf Surf 8395	Circ Circ TS	10986-11044	[86480] TURKEY TRACK; MORROW (GAS)
17	30-015-29463	OXY USA WTP LIMITED PARTNERSHIP	OXY CHECKER STATE COM	001	Gas	Active	1650	S	660	W	L	8	19S	29E	4/5/1997	11470	17.5 11 7.875	13.375 8.625 4.500	400 3000 11470	1185 1200 605	Surf Surf 8400	Circ Circ CBL	9920-9978	[96736] WILDCAT TURKEY TRACK CANYON)G)
18	30-015-29464	OXY USA WTP LIMITED PARTNERSHIP	OXY AUTO STATE	001	Gas	Active	1650	N	660	E	H	8	19S	29E	4/28/1997	11460	17.5 11 7.875	13.375 8.625 4.500	387 3004 11460	1480 1150 7255	Surf Surf 8500	Circ Circ Est	11331-11351	[86480] TURKEY TRACK; MORROW (GAS)
19	30-015-29465	OXY USA WTP LIMITED PARTNERSHIP	OXY SPARKPLUG STATE	001	Gas	Active	660	S	1650	W	N	9	19S	29E	11/5/1997	11550	17.5 11 7.875	13.375 8.625 4.500	413 3012 11550	600 1190 425	Surf Surf 9500	Circ Circ CBL	11368-11482	[86445] TURKEY TRACK:ATOKA (GAS) ; [86480] TURKEY TRACK:MORROW (GAS)
20	30-015-29601	OXY USA WTP LIMITED PARTNERSHIP	OXY CHAMPION STATE	001	Gas	Active	660	N	1650	E	B	9	19S	29E	5/15/1997	11500	17.5 11 7.875	13.375 8.615 4.500	395 3000 11484	745 950 625	Surf Surf 7912	Circ Circ CBL	11231-11356	[86500] TURKEY TRACK:MORROW, NORTH (GAS)
21	30-015-30161	OXY USA WTP LIMITED PARTNERSHIP	OXY WILD BOAR STATE	001	Gas	Active	1650	S	1980	E	J	4	19S	29E	10/17/2000	11500	17.5 12.125 8.75	13.375 9.625 5.5	425 3000 11500	365 1245 755	Surf Surf 7940	Circ Circ CBL	11160-11208	[49550] PALMILLO;BONE SPRING ; [86500] TURKEY TRACK:MORROW, NORTH (GAS)
22	30-015-31791	CIMAREX ENERGY CO. OF COLORADO	STATE 14 COM	002	Oil	Active	2040	N	560	W	E	14	19S	29E	7/20/2001	12200	17.500 12.250 7.875 4.75	13.375 8.625 5.500 3.5	315 3202 12200 10431	393 1200 1750	Surf Surf Surf	Circ Circ Circ	7905-10466	[60660] TURKEY TRACK; BONE SPRING
23	30-015-34693	OXY USA INC	SARAH STATE COM	001	Gas	Active	660	S	1980	E	O	10	19S	29E	5/14/2006	11670	17.500 11.000 7.875	13.375 8.625 5.500	300 3020 11670	400 904 800	Surf Surf 1060	Circ Circ Calc	10762-10781	[86445] TURKEY TRACK; ATOKA (GAS)
24	30-015-34698	OXY USA INC	JOEL STATE	001	Gas	Active	1090	N	990	E	A	7	19S	29E	4/6/2006	11410	17.500 11.000	13.375 8.625	385 3005	715 1175	Surf Surf	Circ Circ	11035-11177	[86480] TURKEY TRACK; MORROW (GAS)

25	30-015-35738	OXY USA INC	SOLOMON STATE	001Y	Gas	Active	1429	N	840	E	H	10	19S	29E	8/1/2007	11636	7.875	5.500	11410	1281	Surf	Circ	10827-10864 [86445] TURKEY TRACK; ATOKA (GAS)	
																	17.500	13.375	300	665	Surf	Circ		
																	11.000	8.625	3020	900	Surf	Circ		
																	7.875	5.500	11363	1285	Surf	Circ		
26	30-015-36215	OXY USA WTP LIMITED PARTNERSHIP	OXY CHAMPION STATE	002	Gas	Active	660	N	660	W	D	9	19S	29E	9/22/2008	11560	17.500	13.375	405	550	Surf	Circ	10638-10714 [86480] TURKEY TRACK; MORROW (GAS)	
																	12.250	9.625	3789	1020	740	TS		
																	8.750	5.500	11534	2155	Surf	Circ		
27	30-015-36218	OXY USA WTP LIMITED PARTNERSHIP	OXY CHECKER STATE COM	003	Gas	Active	660	N	1980	W	C	8	19S	29E	8/28/2008	11380	17.500	13.375	415	500	Surf	Circ	11034-11265 [86480] TURKEY TRACK; MORROW (GAS)	
																	12.250	9.625	3807	1025	Surf	Circ		
																	8.750	5.500	11360	1405	Surf	Circ		
28	30-015-37376	CIMAREX ENERGY CO. OF COLORADO	PARKWAY STATE COM	003	Oil	Active	330	S	330	W	M	15	19S	29E	12/15/2009	12324	17.500	13.375	278	560	Surf	Circ	8048-12324 [60660] TURKEY TRACK; BONE SPRING	
																	12.250	9.625	2497	1693	930	TS		
																	8.750	7.000	7622	950	6600	Calc		
																	6.125	4.500	12096					
29	30-015-37504	CIMAREX ENERGY CO. OF COLORADO	PARKWAY STATE COM	004	Oil	Active	330	S	1650	E	O	15	19S	29E	2/27/2010	7864	17.500	13.375	465	660	Surf	Circ	7511-12260 [60660] TURKEY TRACK; BONE SPRING	
																	12.250	9.625	2515	815	Surf	Circ		
																	8.750	7.000	7660	950	Surf	Circ		
																	6.125	4.500	12260	950	Surf	Circ		
30	30-015-37719	CIMAREX ENERGY CO. OF COLORADO	STATE 14 COM	003H	Oil	Active	375	N	2120	W	C	14	19S	29E	5/12/2010	8090	17.500	13.375	450	540	Surf	Circ	7561-12526 [60660] TURKEY TRACK; BONE SPRING	
																	12.250	9.625	2508	715	Surf	Circ		
																	8.750	7.000	7685	1075	2000	TS		
																	6.125	4.500	8096					
31	30-015-37874	CIMAREX ENERGY CO. OF COLORADO	PARKWAY 11 STATE COM	002H	Oil	PA	330	N	1980	W	C	11	19S	29E	11/3/2010	8019	17.500	13.375	452	1041	Surf	Circ	8000-11909 NA	
																	11.000	9.625	2522	915	Surf	Circ		
																	8.750	5.500	11960	1975	Surf	Circ		
32	30-015-37970	CIMAREX ENERGY CO. OF COLORADO	PARKWAY STATE COM	006H	Oil	Active	330	N	360	E	A	15	19S	29E	4/5/2011	8014	17.500	13.375	452	670	Surf	Circ	7950-12423 [60660] TURKEY TRACK; BONE SPRING	
																	12.250	9.625	2519	915	Surf	Circ		
																	8.750	5.500	12474	2150	Surf	Circ		
33	30-015-38065	CIMAREX ENERGY CO. OF COLORADO	PARKWAY 11 STATE	001H	Oil	Active	1085	N	610	W	D	11	19S	29E	9/25/2010	7990	17.500	13.375	465	988	Surf	Circ	7950-11799 [60660] TURKEY TRACK; BONE SPRING	
																	12.250	9.625	2510	915	Surf	Circ		
																	8.750	5.500	11850	1910	Surf	Circ		
34	30-015-38066	CIMAREX ENERGY CO. OF COLORADO	PARKWAY STATE 17 COM	003H	Oil	Active	1980	N	375	W	E	17	19S	29E	3/9/2011	7852	17.500	13.375	445	480	Surf	Circ	7802-12227 [55510] SCANLON DRAW; BONE SPRING	
																	12.250	9.625	2486	1522	Surf	Circ		
																	8.75	5.500	12280	2140	Surf	Circ		
35	30-015-38109	MEWBOURNE OIL CO	PARKWAY 16 STATE COM	002H	Oil	Active	200	N	350	W	D	21	19S	29E	10/15/2010	7847	12.250	9.625	300	443	Surf	Circ	8319-12585 [55510] SCANLON DRAW; BONE SPRING	
																	8.750	7.000	8251	3400	Surf	Circ		
																	6.125	4.500	12611					
36	30-015-38258	COG OPERATING LLC	PHANTOM 18 STATE	002H	Oil	Active	330	S	1980	E	O	18	19S	29E	12/23/2010	8785	17.500	13.375	355	400	Surf	Circ	9100-11548 [55510] SCANLON DRAW; BONE SPRING	
																	12.250	9.625	3027	925	Surf	Circ		
																	7.875	5.500	13069	1325	Surf	Circ		
37	30-015-38499	CIMAREX ENERGY CO. OF COLORADO	PARKWAY STATE COM	005Y	Oil	Active	405	N	1980	W	C	15	19S	29E	2/27/2011	7970	17.500	13.375	450	480	Surf	Circ	8052-12275 [60660] TURKEY TRACK; BONE SPRING	
																	12.250	9.625	2494	915	Surf	Circ		
																	8.750	5.500	12365	2240	850	TS		
38	30-015-39112	OXY USA INC	CONOCO 10 STATE	002H	Monitor	TA	580	S	660	W	M	10	19S	29E	10/25/2011	7947	17.500	13.375	294	420	Surf	Circ	8151-11885 NA	
																	12.250	9.625	3050	1160	Surf	Circ		
																	8.500	5.500	12015	2050	Surf	Circ		
39	30-015-39117	MEWBOURNE OIL CO	ZIRCON 2 STATE COM	001H	Oil	Active	735	S	330	W	M	2	19S	29E	11/1/2011	8088	17.500	13.375	270	1105	Surf	Circ	8343-12325 [60660] TURKEY TRACK; BONE SPRING	
																	12.250	9.625	1452	600	Surf	Circ		
																	8.750	7.000	8270	1000	Surf	Circ		
																	6.125	4.500	12325					
40	30-015-39164	CIMAREX ENERGY CO. OF COLORADO	PARKWAY STATE 17 COM	005H	Oil	Active	900	N	330	W	D	17	19S	29E	8/31/2011	7881	17.500	13.375	452	741	Surf	Circ	7692-12166 [55510] SCANLON DRAW; BONE SPRING	
																	12.75	9.625	2518	915	Surf	Circ		
																	8.75	5.5	12218	2450	Surf	Circ		
41	30-015-39612	COG OPERATING LLC	PHANTOM 18 STATE	001H	Oil	Active	330	S	330	E	P	18	19S	29E	7/9/2012	7765	17.500	13.375	300	375	Surf	Circ	7985-12092 [55510] SCANLON DRAW; BONE SPRING	
																	12.250	9.625	3550	1500	Surf	Circ		
																	7.875	5.500	12120	1900	Surf	Circ		
42	30-015-39929	MEWBOURNE OIL CO	ZIRCON 2 LI STATE	001H	Oil	Active	2030	S	310	W	L	2	19S	29E	4/8/2012	8093	17.500	13.375	270	1070	Surf	Circ	8253-12450 [60660] TURKEY TRACK; BONE SPRING	
																	12.250	9.625	1300	500	Surf	Circ		
																	8.750	7.000	8165	1100	Surf	Circ		
																	6.125	4.500	12450					
43	30-015-40572	MEWBOURNE OIL CO	ZIRCON 2 EH STATE	001H	Oil	Active	1980	N	150	W	E	2	19S	29E	10/7/2012	8080	17.500	13.375	255	489	Surf	Circ	8337-12490 [60660] TURKEY TRACK; BONE SPRING	
																	12.250	9.625	1304	718	Surf	Circ		
																	8.750	7.000	8236	1010	Surf	Circ		
																	6.125	4.500	12490	8014				
44	30-015-41133	MEWBOURNE OIL CO	ZIRCON 2 DA STATE	001H	Oil	Active	560	N	150	W	D	2	19S	29E	3/17/2013	8038	17.500	13.375	250	555	Surf	Circ	8262-12420 [60660] TURKEY TRACK; BONE SPRING	
																	12.250	9.625	1326	500	Surf	Circ		
																	8.750	7.000	8208	1050	Surf	Circ		
																	6.125	4.500	7980	12435				
45	30-015-42028	MEWBOURNE OIL CO	ZIRCON 2 B1 EH STATE	002H	Oil	Active	2200	N	320	W	E	2	19S	29E	5/27/2014	7017	17.500	13.375	334	350	Surf	Circ	7257-11330 [60660] TURKEY TRACK; BONE SPRING	
																	12.250	9.625	1301	500	Surf	Circ		
																	8.750	7.						

																	8.750 6.125	7.000 4.500	8270 14269	350 350	Surf Surf	Circ Circ	
49	30-015-44109	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 9 10 STATE	032H	Oil	Active	2180	N	395	E	H	8	19S	29E	6/12/2017	8881	17.500 12.250 8.750	13.375 9.625 5.500	381 3896 19222	372 1385 2819	Surf Surf Surf	Circ Circ Circ	9226-19045 [60660] TURKEY TRACK; BONE SPRING
50	30-015-44159	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 8 7 STATE	033H	Oil	Active	1444	S	570	W	L	9	19S	29E	5/15/2019	8665	17.500 12.250 8.500	13.375 9.625 5.500	268 3157 19129	420 829 2903	Surf Surf Surf	Circ Circ Circ	8994-19050 [60660] TURKEY TRACK; BONE SPRING
51	30-015-44160	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 8 7 STATE	034H	Oil	Active	1414	S	570	W	L	9	19S	29E	5/15/2019	8798	17.500 12.250 8.500	13.370 9.625 5.500	267 3132 19340	460 829 2875	Surf Surf Surf	Circ Circ Circ	9222-19278 [60660] TURKEY TRACK; BONE SPRING
52	30-015-44193	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 9 10 STATE	031H	Oil	Active	557	N	693	E	A	8	19S	29E	5/10/2018	8988	17.500 12.250 8.500	13.375 9.625 5.500	284 3111 19344	600 1126 3383	Surf Surf Surf	Circ Circ Circ	8896-19199 [60660] TURKEY TRACK; BONE SPRING
53	30-015-44194	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 9 10 STATE	033H	Oil	Active	801	S	581	E	P	8	19S	29E	5/9/2018	8901	17.500 12.250 8.500	13.375 9.625 5.500	262 3148 19244	595 1000 2895	Surf Surf Surf	Circ Circ Circ	9245-19109 [60660] TURKEY TRACK; BONE SPRING
54	30-015-44195	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 9 10 STATE	034H	Oil	Active	786	S	555	E	P	8	19S	29E	5/8/2018	8923	17.500 12.250 8.500	13.375 9.625 5.500	265 3150 19229	530 1000 2755	Surf Surf Surf	Circ Circ Circ	9230-19088 [60660] TURKEY TRACK; BONE SPRING
55	30-015-44266	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 8 7 STATE	031H	Oil	Active	1149	N	475	W	D	9	19S	29E	5/22/2019	8732	17.500 12.250 8.500	13.375 9.625 5.500	273 3140 19268	965 911 2866	Surf Surf Surf	Circ Circ Circ	9096-19194 [60660] TURKEY TRACK; BONE SPRING
56	30-015-44267	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 8 7 STATE	032H	Oil	Active	1184	N	475	W	D	9	19S	29E	5/23/2019	8772	17.500 12.250 8.500	13.375 9.625 5.500	273 3109 19240	964 900 2863	Surf Surf Calc	Circ Circ Circ	9070-19167 [60660] TURKEY TRACK; BONE SPRING
57	30-015-44324	MATADOR PRODUCTION COMPANY	SST 6 STATE	124H	Oil	Active	499	S	185	E	P	6	19S	29E	2/20/2018	7601	17.500 12.250 8.750	13.375 9.625 5.500	395 2416 12240	741 831 2186	Surf Surf Surf	Circ Circ Circ	7907-12118 [49553] PALMILLO; BONE SPRING, EAST
58	30-015-44325	MATADOR PRODUCTION COMPANY	SST 6 STATE	123H	Oil	Active	1871	S	85	E	I	6	19S	29E	3/10/2018	7644	17.500 12.250 8.750	13.375 9.625 5.500	398 2410 12243	980 818 2240	Surf Surf Surf	Circ Circ Circ	7888-12099 [49553] PALMILLO; BONE SPRING, EAST
59	30-015-44334	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 4 3 STATE	031H	Oil	Active	1121	N	570	W	D	4	19S	29E	10/5/2017	8808	17.500 12.250 8.500	13.375 9.625 5.500	414 2810 19014	605 1066 3057	Surf Surf Surf	Circ Circ Circ	8731-18821 [60660] TURKEY TRACK; BONE SPRING
60	30-015-44386	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 4 3 STATE	032H	Oil	Active	1156	N	570	W	D	4	19S	29E	10/3/2017	8914	17.500 12.250 6.750	13.375 9.625 5.500	409 3000 19101	720 896 1070	Surf Surf Surf	Circ Circ Circ	8973-18968 [60660] TURKEY TRACK; BONE SPRING
61	30-015-44411	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 4 3 STATE	033H	Oil	Active	1435	S	360	W	L	4	19S	29E	5/12/2018	8994	17.500 12.250 8.500	13.375 9.625 5.500	284 3150 19051	888 945 2710	Surf Surf Surf	Circ Circ Circ	8826-18877 [60660] TURKEY TRACK; BONE SPRING
62	30-015-44432	OXY USA WTP LIMITED PARTNERSHIP	TURKEY TRACK 4 3 STATE	034H	Oil	Active	1400	S	360	W	L	4	19S	29E	5/11/2018	8913	17.500 12.250 8.500	13.375 9.625 5.500	284 3020 18993	999 945 2720	Surf Surf Surf	Circ Circ Circ	8985-18808 [60660] TURKEY TRACK; BONE SPRING
63	30-015-44664	MEWBOURNE OIL CO	GOBBLER 5 B2AD STATE	001H	Oil	Active	1130	N	205	E	A	5	19S	29E	3/25/2018	7718	17.500 12.250 8.375 6.125	13.375 9.625 7.000 4.500	445 1147 8040 12500	751 300 900 275	Surf Surf Surf Surf	Circ Circ Circ Circ	7964-12500 [49553] PALMILLO; BONE SPRING, EAST
64	30-015-44665	MEWBOURNE OIL CO	GOBBLER 5 B2HE STATE	001H	Oil	Active	1180	N	205	E	H	5	19S	29E	4/12/2018	7722	17.500 12.250 8.750 6.125	13.375 9.625 7.000 4.500	453 1100 8145 12570	300 300 850 275	Surf Surf Surf Surf	Circ Circ Circ Circ	8023-12570 [49553] PALMILLO; BONE SPRING, EAST
65	30-015-45020	MEWBOURNE OIL CO	SAPPHIRE 11 12 B2KK STATE COM	001H	Oil	Active	500	S	1470	W	N	11	19S	29E	10/9/2018	8150	17.500 12.250 8.750 6.125	13.375 9.625 7.000 4.500	456 1405 8415 14510	1382 450 900 325	Surf Surf Surf Surf	Circ Circ Circ Circ	8227-14510 [60660] TURKEY TRACK; BONE SPRING
66	30-015-45550	CIMAREX ENERGY CO. OF COLORADO	PARKWAY 15 14 NORTH STATE COM	001H	Oil	Active	1210	N	390	W	D	15	19S	29E	3/9/2020	8977	17.500 12.250 8.750 8.5	13.375 9.625 7.000 5.500	245 3101 8295 18975	432 1549 0 3620	Surf Surf Surf Surf	Circ Circ Circ Circ	9040-18899 [60660] TURKEY TRACK; BONE SPRING
67	30-015-45559	MEWBOURNE OIL CO	SAPPHIRE 11 12 B3LK STATE COM	002H	Oil	Active	1350	S	285	W	L	11	19S	29E	2/8/2019	9135	17.500 12.250 8.750	13.375 9.625 7.000	430 1413 9199	680 500 975	Surf Surf Surf	Circ Circ Circ	9109-16450 [60660] TURKEY TRACK; BONE SPRING
68	30-015-45560	MEWBOURNE OIL CO	SAPPHIRE 11 12 B3MN STATE COM	002H	Oil	Active	1300	S	285	W	M	11	19S	29E	1/13/2019	9219	17.500 12.250 8.750 6.125	13.375 9.625 7.000 4.500	445 1405 9343 16585	980 475 975 425	Surf Surf Surf Surf	Circ Circ Circ Circ	9216-16585 [60660] TURKEY TRACK; BONE SPRING
69	30-015-46208	MEWBOURNE OIL CO	WISHBONE 35 34 B2PM FEDERAL COM	001H	Oil	Active	670	S	275	E	I	35	18S	29E	11/29/2019	7917	6.125 17.5 12.25 8.75	4.500 13.375 9.625 7.000	18295 342 1280 8390	675 550 475 950	Surf Surf Surf Surf	Circ Circ Circ Circ	8186-18236 [60660] TURKEY TRACK; BONE SPRING
70	30-015-46267	MEWBOURNE OIL CO	WISHBONE 35 34 B3PM FEDERAL COM	002H	Oil	Active	640	S	275	E	P	35	18S	29E	12/18/2019	6887	17.5 12.24 9.625 6.125	13.375 9.625 7.000 4.500	345 1275 9390 19283	400 475 400 675	Surf Surf Surf Surf	Circ Circ Circ Circ	9165-19227 [60660] TURKEY TRACK; BONE SPRING
71	30-015-46295	MEWBOURNE OIL CO	SAPPHIRE 11 12 B3EF STATE COM	002H	Oil	Active	1495	N	360	W	E	11	19S	29E	11/4/2019	9182	17.500 12.250 8.750 6.125	13.375 9.625 7.000 4.500	208 1345 9315 16630	200 250 1050 550	Surf Surf Surf Surf	Circ Circ Circ Circ	9149-16571 [60660] TURKEY TRACK; BONE SPRING

72	30-015-46296	MEWBOURNE OIL CO	SAPPHIRE 11 12 B3DC STATE COM	002H	Oil	Active	1465	N	360	W	E	11	19S	29E	10/11/2019	9051	17.500	13.375	215	299	Surf	Circ	9051-16506 [60660] TURKEY TRACK; BONE SPRING
																	12.250	9.625	1350	346	Surf	Circ	
																	8.750	7.000	9175	861	Surf	Circ	
																	6.125	4.500	16565	500	Surf	Circ	
73	30-015-46335	CIMAREX ENERGY CO. OF COLORADO	PARKWAY 15 14 NORTH STATE COM	002H	Oil	Active	1230	N	390	W	D	15	19S	29E	3/8/2020	9105	17.500	13.375	245	432	Surf	Circ	9040-18997 [60660] TURKEY TRACK; BONE SPRING
																	12.250	9.625	3098	1485	Surf	Circ	
																	8.750	7.000	8445		Surf		
																	8.5	5.500	19174	3675	Surf	Circ	
74	30-015-46725	MEWBOURNE OIL CO	GOBBLER 5 6 B3PM STATE COM	002H	Oil	Active	1280	S	250	E	P	5	19S	29E	2/19/2021	8630	6.125	4.500	18733	825	Surf	Circ	8850-18677 [49553] PALMILLO; BONE SPRING, EAST
																	17.5	13.375	460	400	Surf	Circ	
																	12.25	9.625	1140	375	Surf	Circ	
																	8.75	7.000	9233	950	Surf	Circ	
75	30-015-46726	MEWBOURNE OIL CO	GOBBLER 5 6 B3IL STATE COM	002H	Oil	Active	1310	S	250	E	P	5	19S	29E	1/24/2021	8608	17.500	13.375	455	850	Surf	Circ	8903-18653 [49553] PALMILLO; BONE SPRING, EAST
																	12.25	9.625	1125	325	Surf	Circ	
																	8.75	7	8617	925	Surf	Circ	
																	6.125	4.500	18709	750	Surf	Circ	
76	30-015-48115	COLGATE OPERATING, LLC	ATLAS 18 STATE FED COM	132H	Oil	Active	1117	N	2196	W	C	18	19S	29E	7/28/2021	8591	17.5	13.375	463	455	Surf	Circ	9242-15897 [55510] SCANLON DRAW; BONE SPRING
																	12.25	9.625	3080	750	Surf	Circ	
																	8.75	5.500	16111	1855	Surf	Circ	
77	30-015-48116	COLGATE OPERATING, LLC	ATLAS 18 STATE FED COM	131H	Oil	Active	1027	N	2197	W	C	18	19S	29E	7/9/2021	8730	17.5	13.375	464	535	Surf	Circ	9157-15743 [55510] SCANLON DRAW; BONE SPRING
																	12.25	9.625	3058	730	Surf	Circ	
																	8.75	5.500	15955	1840	Surf	Circ	
78	30-015-48117	COLGATE OPERATING, LLC	ATLAS 18 STATE FED COM	122H	Oil	Active	1072	N	2197	W	C	18	19S	29E	8/31/2021	8730	17.5	13.375	462	455	Surf	Circ	8191-14885 [55510] SCANLON DRAW; BONE SPRING
																	12.25	9.625	3095	750	Surf	Circ	
																	8.75	5.500	15094	1870	Surf	Circ	
79	30-015-48619	COLGATE OPERATING, LLC	ATLAS 18 STATE FED COM	121H	Oil	Active	982	N	2197	W	C	18	19S	29E	8/17/2021	7737	17.5	13.375	457	455	Surf	Circ	8094-14789 [55510] SCANLON DRAW; BONE SPRING
																	12.25	9.625	3072	750	Surf	Circ	
																	8.75	5.500	14997	2138	Surf	Circ	
80	30-015-37632	CIMAREX ENERGY CO. OF COLORADO	MAGNUM STATE 16	003H	OIL	Active	330	S	810	E	P	16	19S	29E	4/8/2010	7857	17.5	13.375	450	882	Surf	circ	7506-12340 [55510] SCANLON DRAW; BONE SPRING
																	12.25	9.625	2520	815	Surf	Circ	
																	8.75	7	7600	970	Surf	Calc	
																	6.125	4.5	7491-12205 NA- OH PACKER ASSEMBLY				

Well AOR #31



Geology



Turkey Track 2nd Bone Spring storage zone and permeability barriers

2nd Bone Spring Interval

Proposed Storage Zone

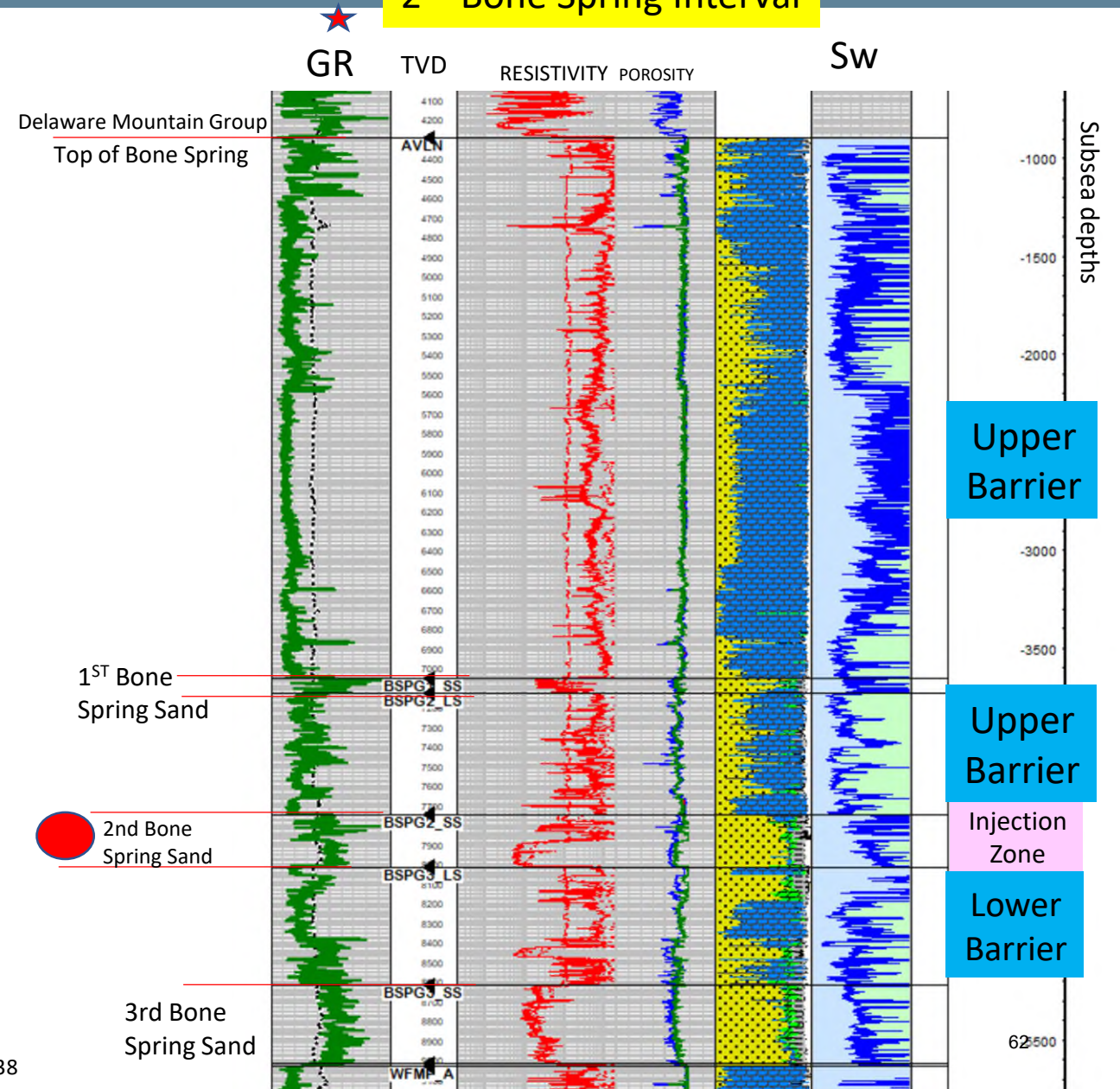
- 2nd Bone Spring Sand
 - Reservoir composed of tight siltstone. Core data indicates that the grain sizes range from coarse siltstone to very-fine-grained subarkose (Folk, 1980) sandstone. Samples show evidence of moderate compaction. Minor amounts of illite and smectite clays are found throughout the samples ranging from 5% to 15%. Cements are Fe-calcite, Fe-dolomite, pore-bridging illite and some quartz overgrowths. Minor amounts of pyrite (<1%) are present. The resulting reservoir rock has porosity of 8-18% with an average porosity of 9.7%. Permeability measured by injection fall-off tests conducted within the reservoir ranges from 10 millidarcies to 0.003 millidarcies. Siliceous mudstone with natural permeability in the nano-darcy range

Adjacent Oil & Gas Production Zones

- Delaware Mountain Group
 - Very fine-grained sandstone with permeability in the 100-10 millidarcy range
- 1st Bone Spring Sand
 - Reservoir composed of tight siltstone. Core data indicates that the grain sizes range from coarse siltstone to very-fine-grained subarkose (Folk, 1980) sandstone. Samples show evidence of moderate compaction. Minor amounts of illite and smectite clays are found throughout the samples ranging from 5% to 15%. Cements are Fe-calcite, Fe-dolomite, with some quartz overgrowths. Minor amounts of pyrite (<1%) are present. The resulting reservoir rock has porosity of 8-18% with an average porosity of 11.7%. Permeability measured by injection fall-off tests conducted within the reservoir ranges from 0.02 millidarcies to 0.001 millidarcies.
- 3rd Bone Spring Sand
 - Reservoir composed of tight siltstone. Core data indicates that the grain sizes range from coarse siltstone to very-fine-grained subarkose (Folk, 1980) sandstone. Samples show evidence of moderate compaction. Minor amounts of illite and smectite clays are found throughout the samples ranging from 5% to 15%. Cements are Fe-calcite, Fe-dolomite, with some quartz overgrowths. Minor amounts of pyrite (<1%) are present. The resulting reservoir rock has porosity of 8-18% with an average porosity of 11.7%. Permeability measured by injection fall-off tests conducted within the reservoir ranges from 0.02 millidarcies to 0.001 millidarcies.

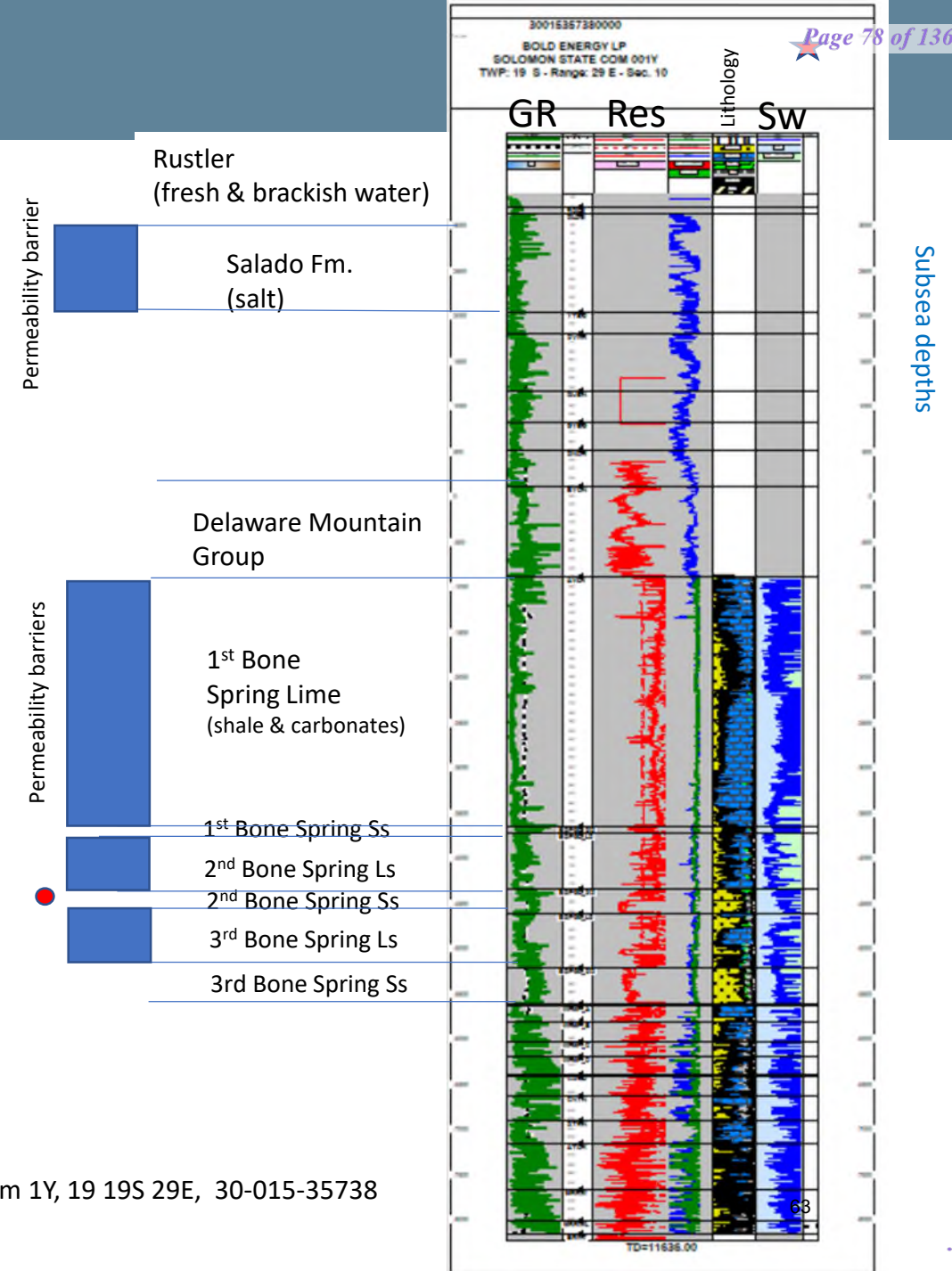
Confining Layers

- Low-permeability barriers act as seals above and below the reservoir. These barriers consist of carbonate mudstone, dolomudstone, and shales within the Bone Spring that are ~2,760 ft. thick above 1st BS Sand.
- 2nd Bone Spring Limestone (~619 ft.) is upper permeability barrier between 2nd BS Sand and 1st BS Sand. Tight dolomudstones and shale.
- Laterally the injection will be primarily contained by the reservoir volume that has been previously and partially depleted by the adjacent producing wells. The tight low-permeability reservoir and the production from the adjacent wells will be the primary constraints on the conformance of the injection to the project area and are expected to contain the injected gas.
- 3rd Bone Spring Limestone lower permeability barrier (~630 ft.) between 2nd BS Sand and 3rd BS Sand. Tight dolomudstones and shale.



Turkey track freshwater aquifers

- The top of the Bone Spring Formation is at ~4,287 ft. (log depth) with over 2,670 ft. of carbonate mudstones and shales acting as additional permeability barriers to upward migration of injected gas. These are above 2nd BS Limestone, the first upward permeability barrier.
- Above that the Delaware Mountain Group, San Andres, Grayburg, Queen, Seven Rivers, and Yates Fms. consist of connate-water bearing and hydrocarbon-bearing sands, carbonates, and shales and is over 2,900 ft. thick.
- Above that is the Salado Formation consisting of very low permeability salt, and Tansill that acts as another 1,100 ft. thick barrier to upward movement of fluids. The top of the Salado is at 260 ft. and the aquifers found just above the Salado at the base of the Rustler are brackish water.
- The top of Rustler Formation is at about 170 ft. The Rustler top is a continuous anhydrite layer that acts as another permeability barrier creating a perched aquifer in some places. Because of the thickness of multiple impermeable rock layers above the injection reservoir there is no possible path for migration upward into freshwater aquifers where they exist.



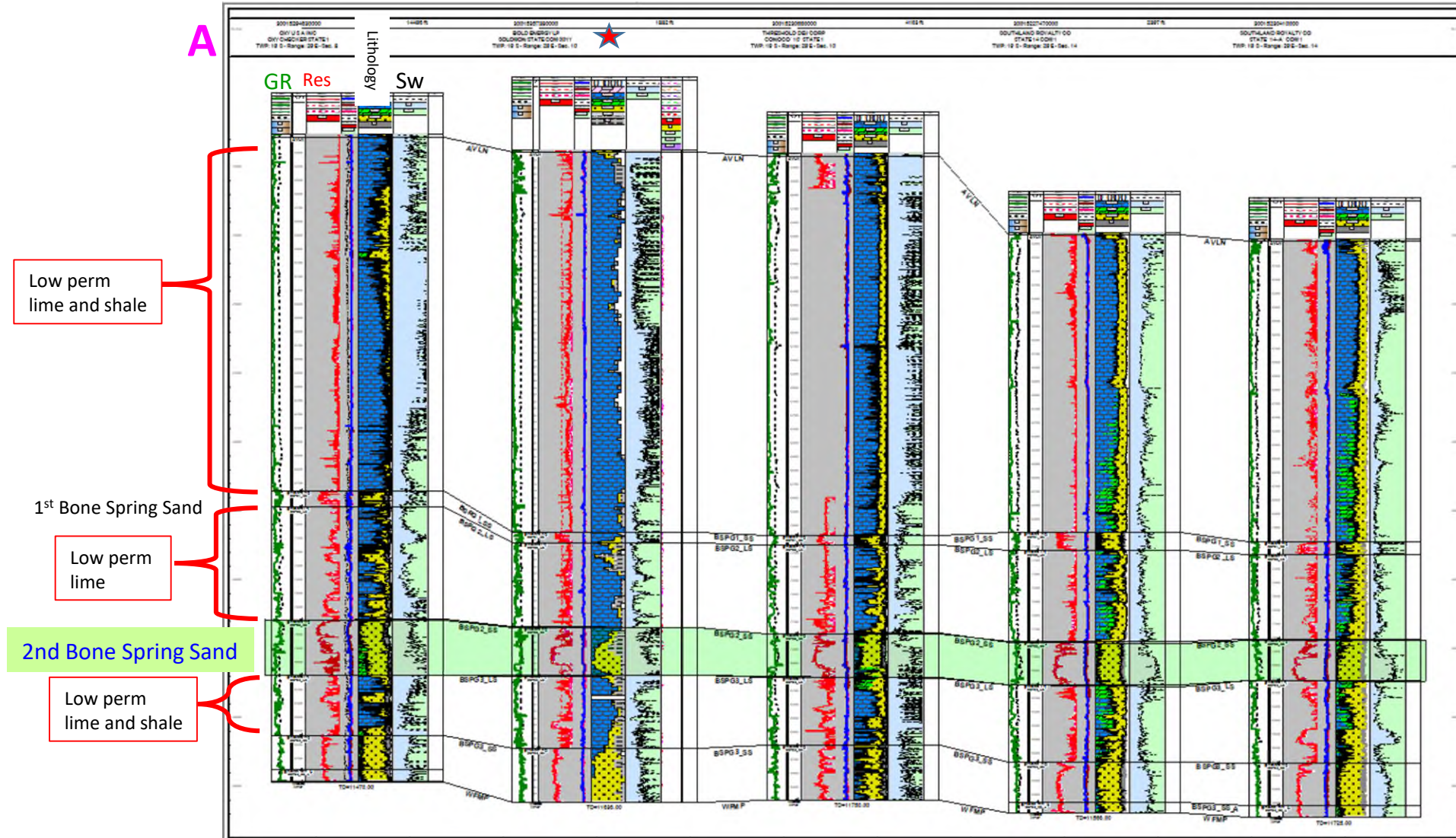
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64

Turkey Track Second Bone Spring Sand Cross-section

★ Type log

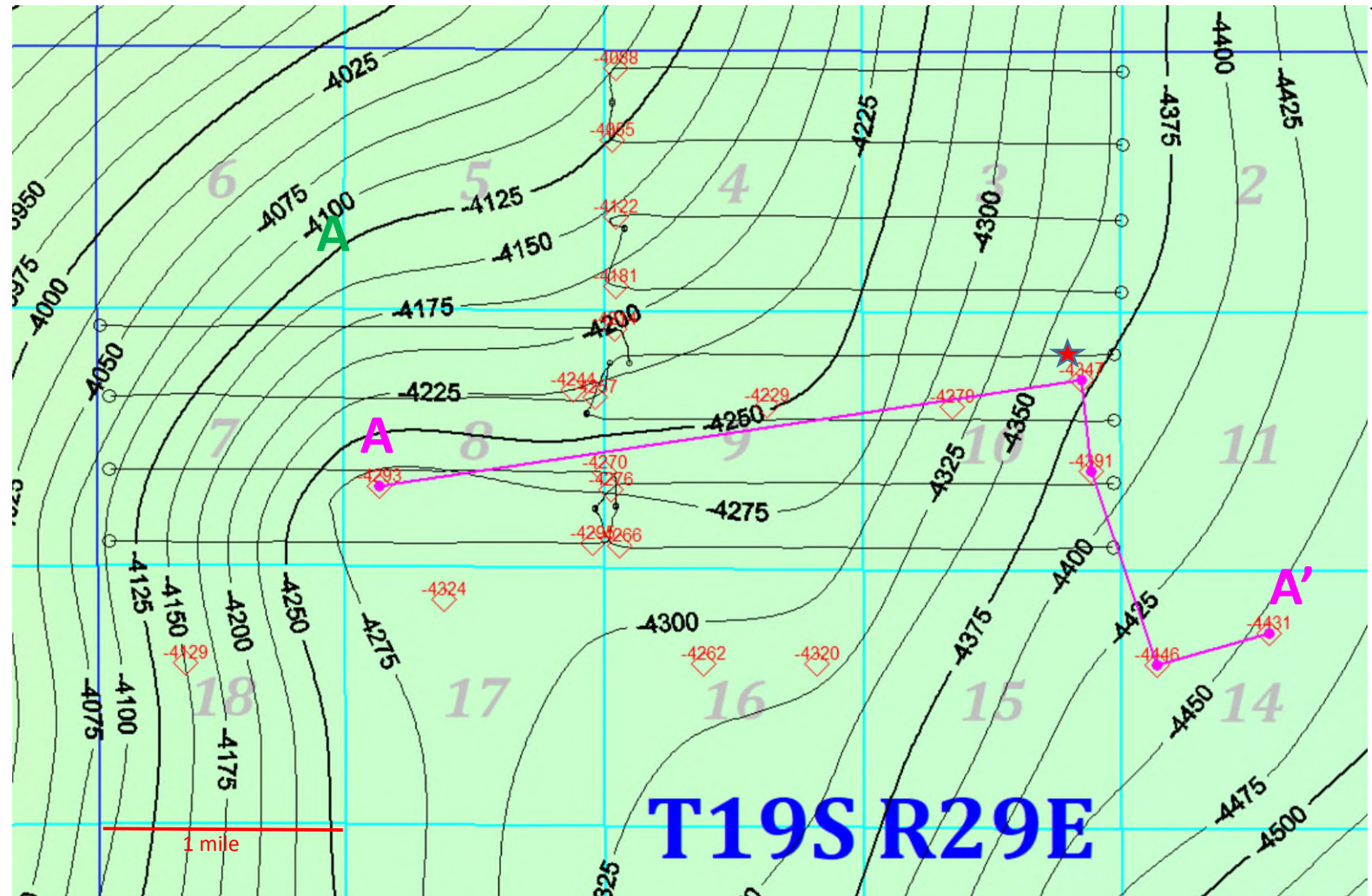


Turkey Track 2nd Bone Spring Sand Top Structure

Cross-section A-A' location

- Posted depths show well control
- Depths are TVD subsea
- Contour interval 25 ft
- Project wells shown

★ Type log

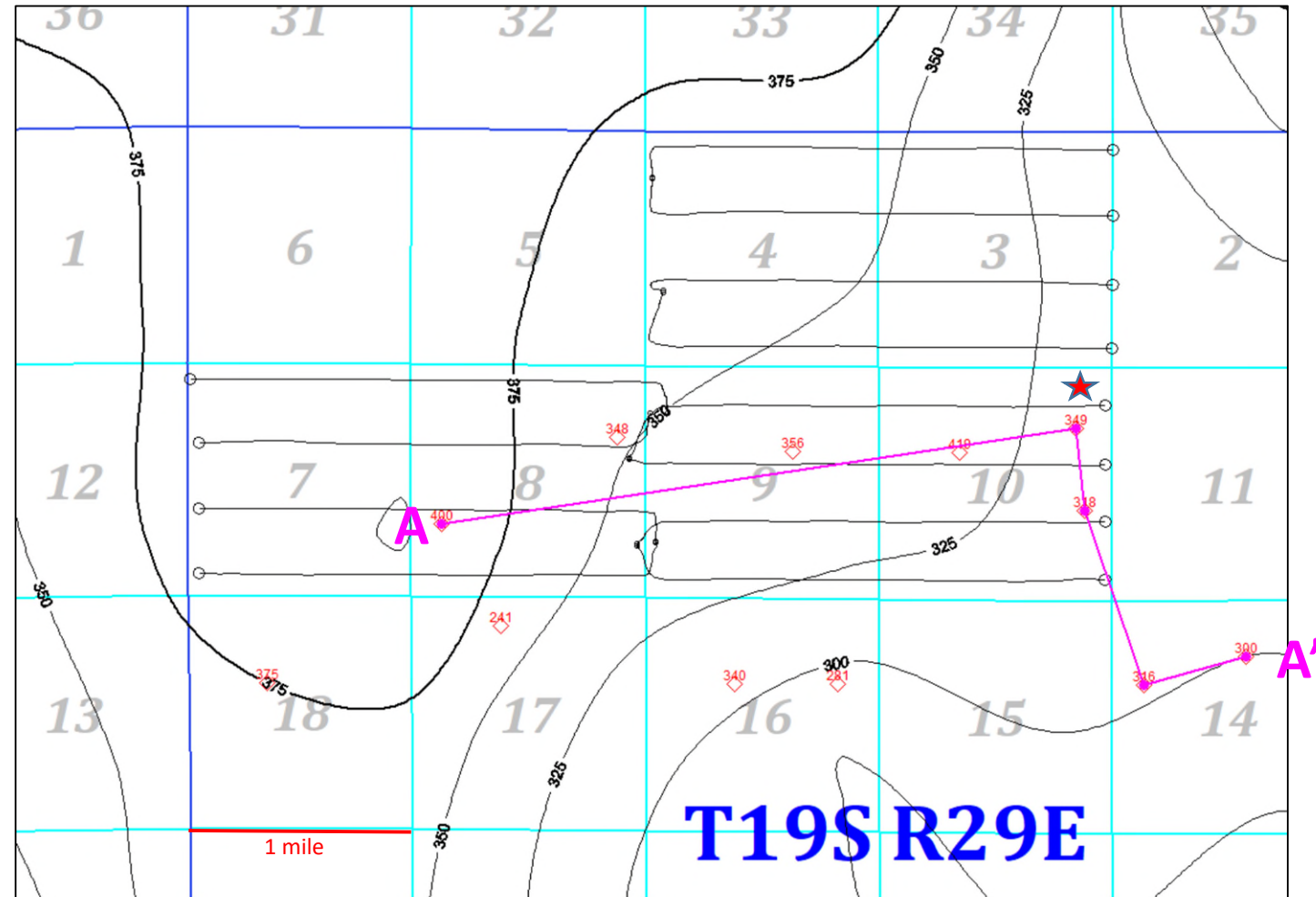


2nd Bone Spring Sand

Second Bone Spring Sand Isochore Map

- Posted depths show well control- thickness
- Contour interval 25 ft
- Project wells shown

★ Type log



2nd Bone Spring Sand Thickness

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.



Tony Troutman, Geologist

____6/26/23_____
Date



Rahul Joshi, Reservoir Engineer

____6/26/23_____
Date

Reservoir Analysis



CONTENTS

Previous Project- Cedar Canyon Enhance Oil Recovery (EOR) Injection Model, 2017 Pilot Project

Project and Model Comparison- EOR Injection vs. Gas Storage 2023 Gas Storage

Updated Cedar Canyon Gas Storage Model, 2023 Conclusions

Gas Storage 2023 Model Results

Purpose of Model

- Built model to history match EOR line drive gas injection in horizontal wells in unconventional reservoirs for project feasibility.

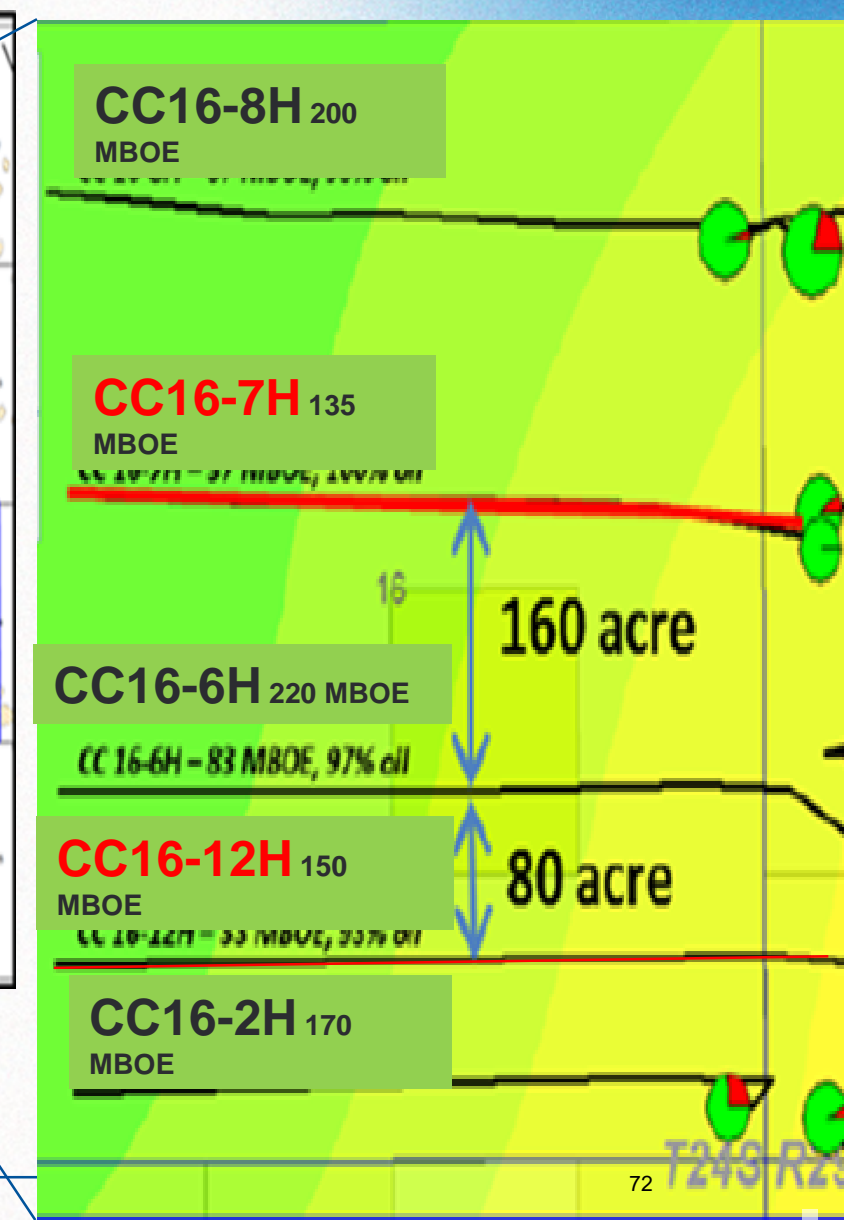
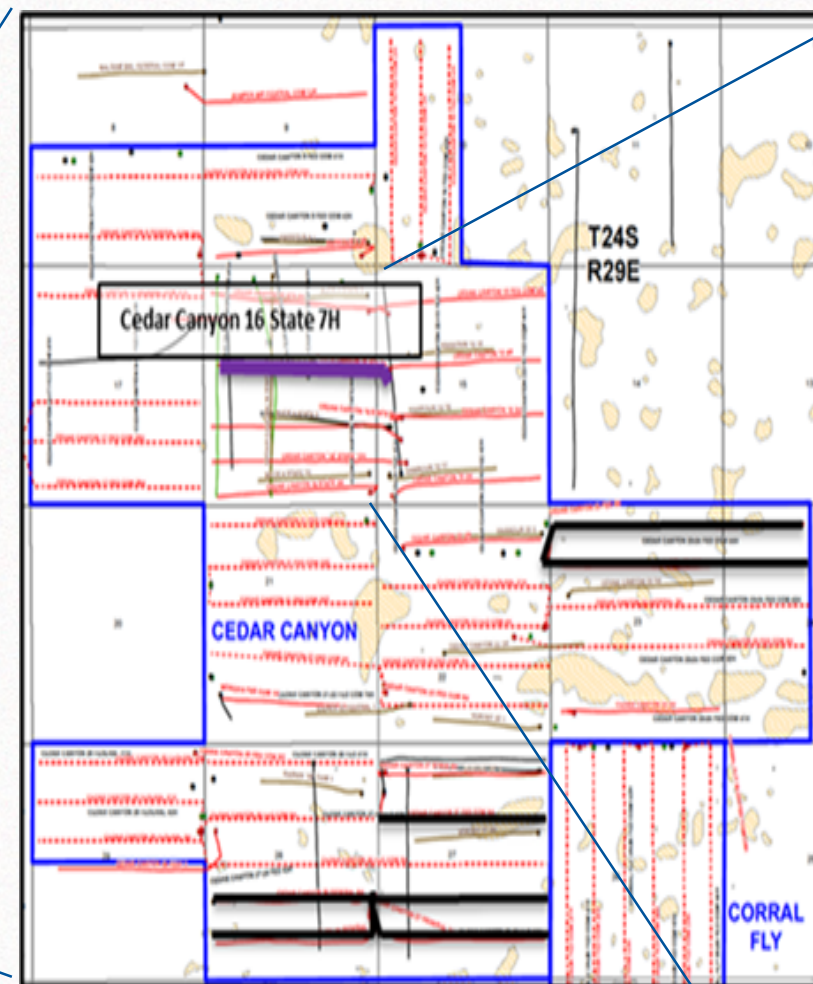
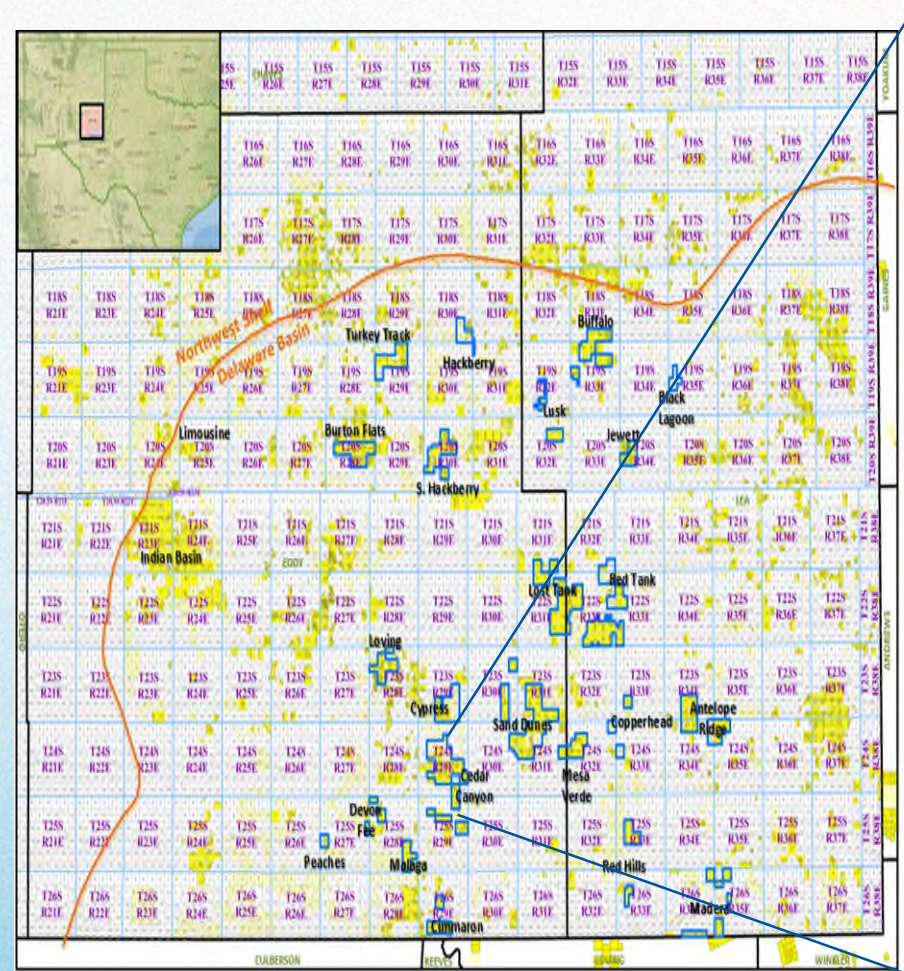
Model Inputs

- Horizontal wells with 5,000 ft laterals
- Geologic and Reservoir properties of the Second Bone Spring Sandstone Formation
- 4 Horizontal Wells per section

History Match

- Primary production (oil rate, water rate and gas rate) prior to 2017
- EOR injection (gas rate, gas injection pressure) during 2017: High-pressure (4250 psi MASP), high-rate gas injection (7 MMSCFPD, sustained)
- Model incorporates injection gas breakthrough observed in offset wells after 3 months of EOR injection.

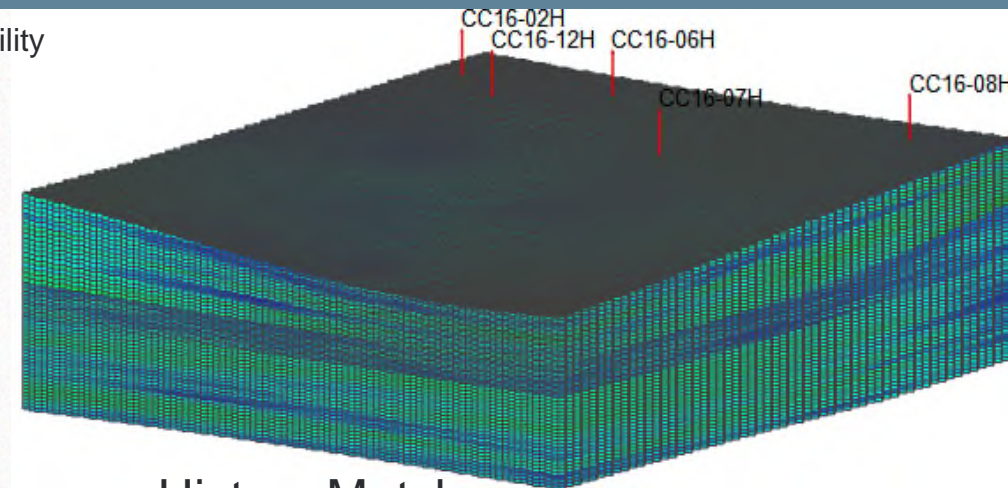
MODEL SET-UP



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

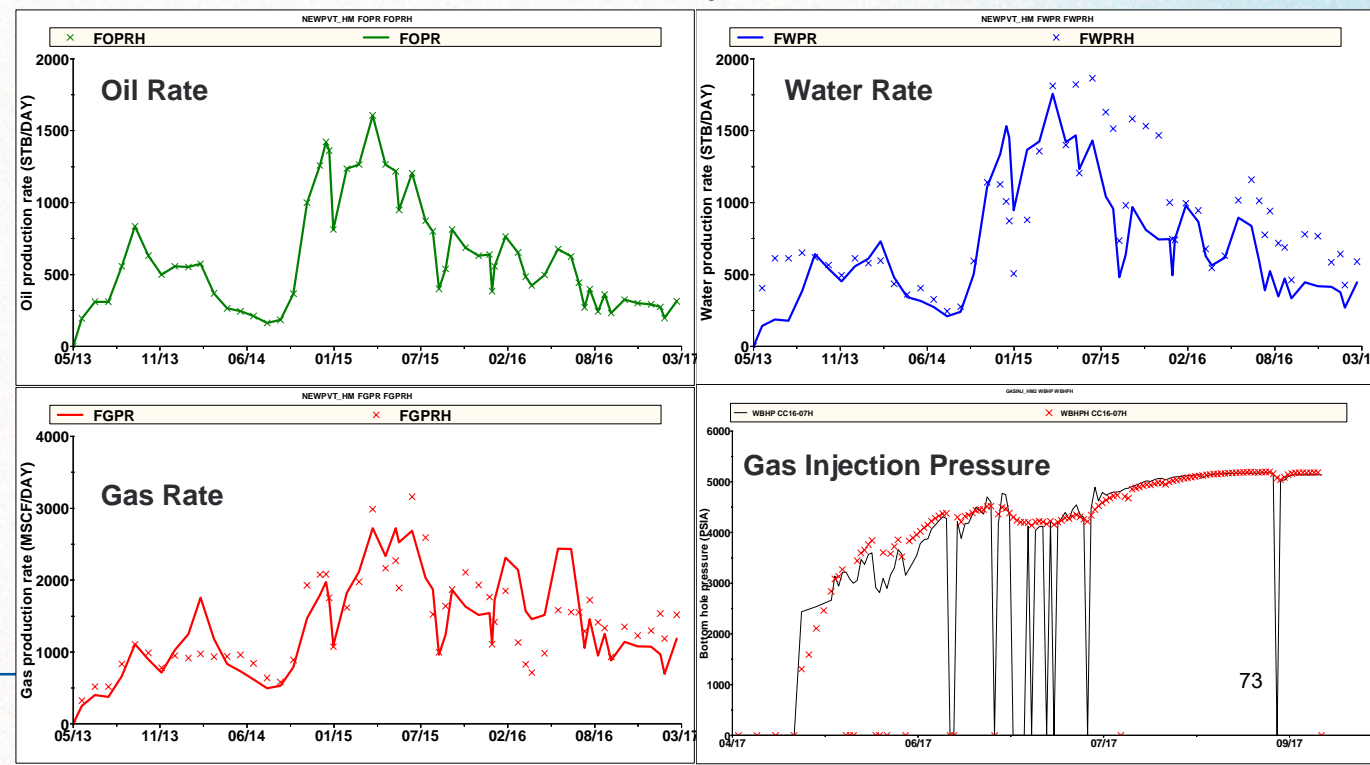
Structure & Permeability
1,177,400 Grids
56 Layers



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



PROJECT AND MODEL COMPARISON- EOR INJECTION VS. GAS STORAGE

EOR Injection, 2017

- Higher, Sustained Injection Rate (7MM SCFPD)
- Higher Injection Pressure (4250 psi MASP)
- Longer injection duration (3 months or greater)
 - 5,000 ft Laterals

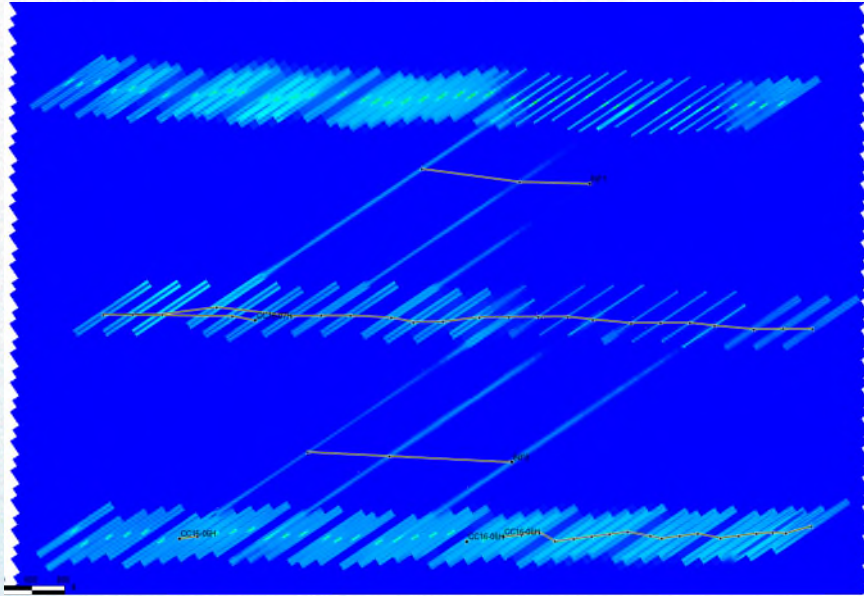
Gas Storage, 2023

- Lower Injection Rate (Initially 3MM SCFPD)
 - Lower Injection Pressure (1335 psi MASP)
 - Shorter injection duration (a couple weeks or less)
 - 10,000 ft Laterals
- Injection of Treated, Produced Gas
 - Hydraulically fractured Horizontal wells
 - Bone Springs Reservoir
 - 4 WPS

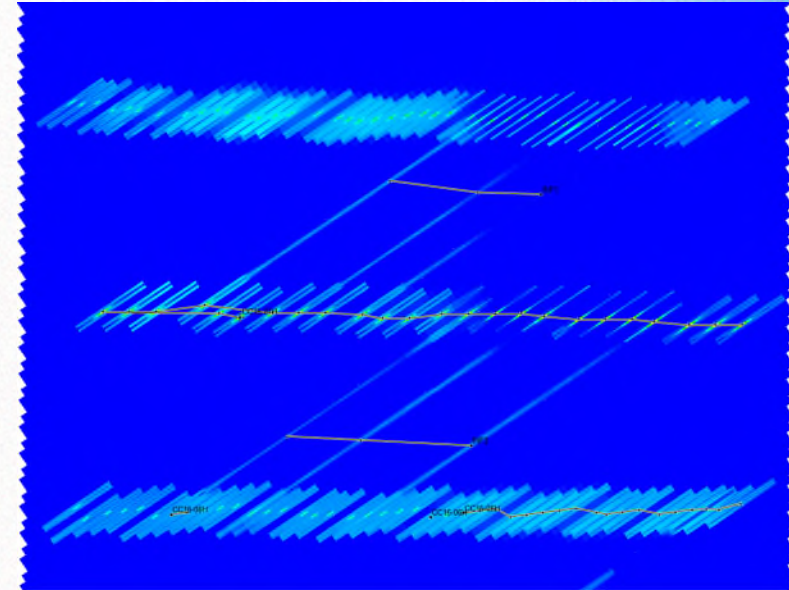
GAS STORAGE SIMULATION PROCESS

- Run primary production for all wells for additional period (post history match)
- Inject gas in injection well at 3MMSCFPD for 7 days
- Produce the injection well post injection
- No positive or negative effect seen on oil recovery of storage wells and offset wells

GAS INJECTION PROFILE (1 WEEK INJECTION)



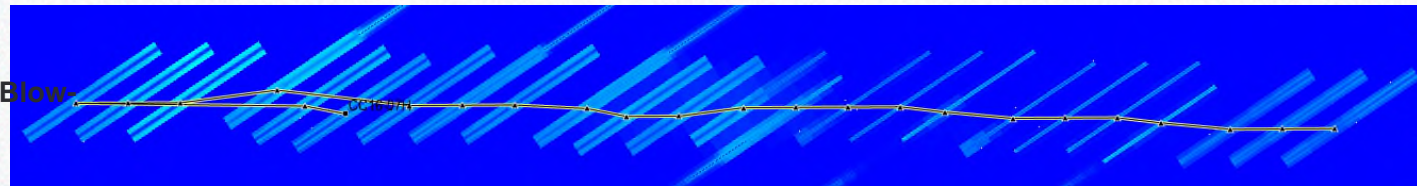
Before injection



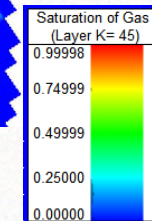
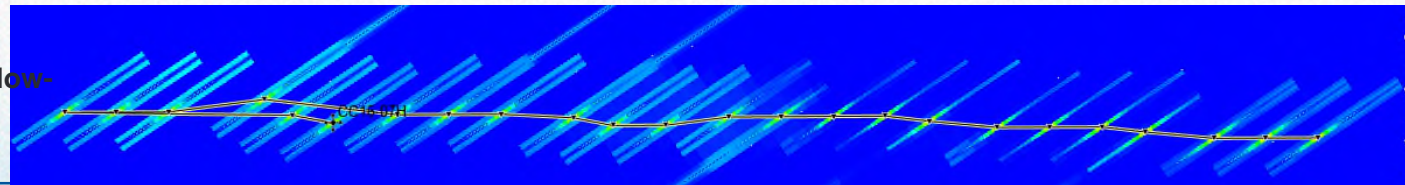
After 1 week of injection (3 MMSCFPD)

21 MMSCF Cum Gas

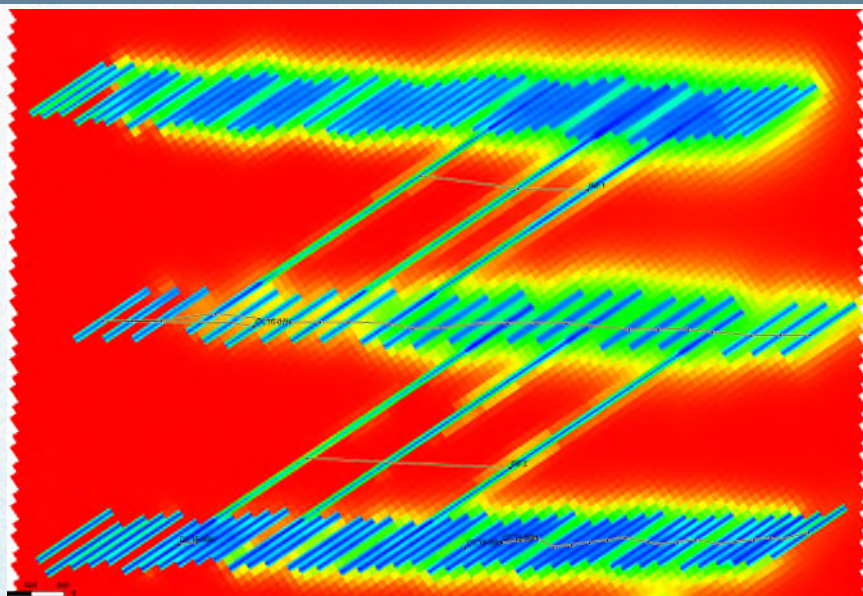
Before Injection CC16-7H Blow-up



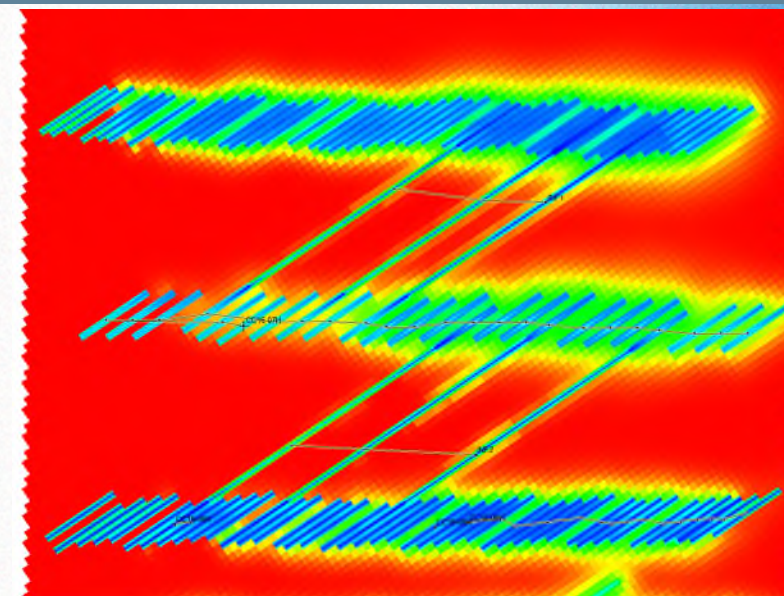
After Injection CC16-7H Blow-up



PRESSURE PROFILE (1 WEEK INJECTION)

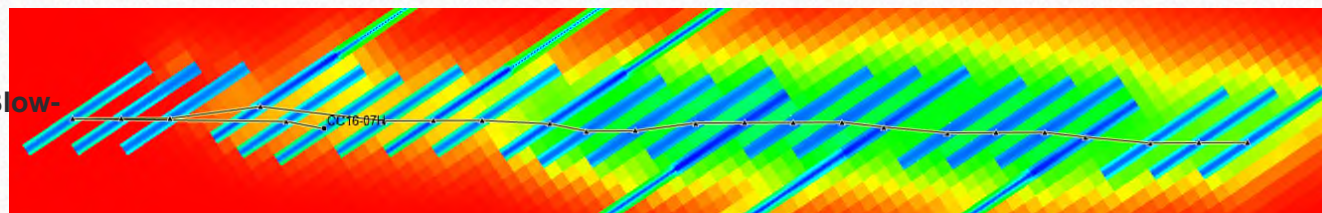


Before injection

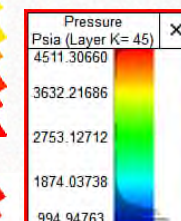
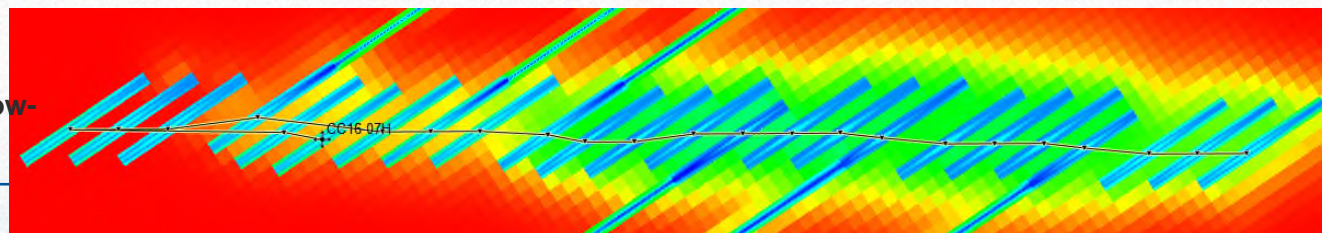


After 1 week of injection (3 MMSCFPD)

Before Injection CC16-7H Blow-up



After Injection CC16-7H Blow-up



GAS STORAGE CAPACITY

API	Well	Fracture Gas Volume (MMSCF)	Total prod gas equivalent, mmscf
3001544396	TURKEY TRACK 4-3 STATE 21H	153	1003
3001544537	TURKEY TRACK 4-3 STATE 22H	153	1130
3001544517	TURKEY TRACK 4-3 STATE 23H	148	1069
3001544518	TURKEY TRACK 4-3 STATE 24H	148	1210
3001545681	TURKEY TRACK 8-7 STATE 201H	157	800
3001544142	TURKEY TRACK 8-7 STATE 22H	199	1702
3001544143	TURKEY TRACK 8-7 STATE 23H	195	1848
3001544145	TURKEY TRACK 8-7 STATE 24H	194	1547
3001544117	TURKEY TRACK 9-10 STATE 21H	218	1844
3001544122	TURKEY TRACK 9-10 STATE 22H	216	1552
3001544154	TURKEY TRACK 9-10 STATE 23H	192	1362
3001544156	TURKEY TRACK 9-10 STATE 24H	175	1316

Conclusions

- The longest Oxy gas storage event was 13.5 MMSCF gas injection for 4 days, which is about 6% of the capacity of the hydraulically-created fractures
- On average, gas storage will not extend more than 100 ft into the hydraulic fracture network
- Oxy does not anticipate a positive or negative impact on storage or offset wells

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

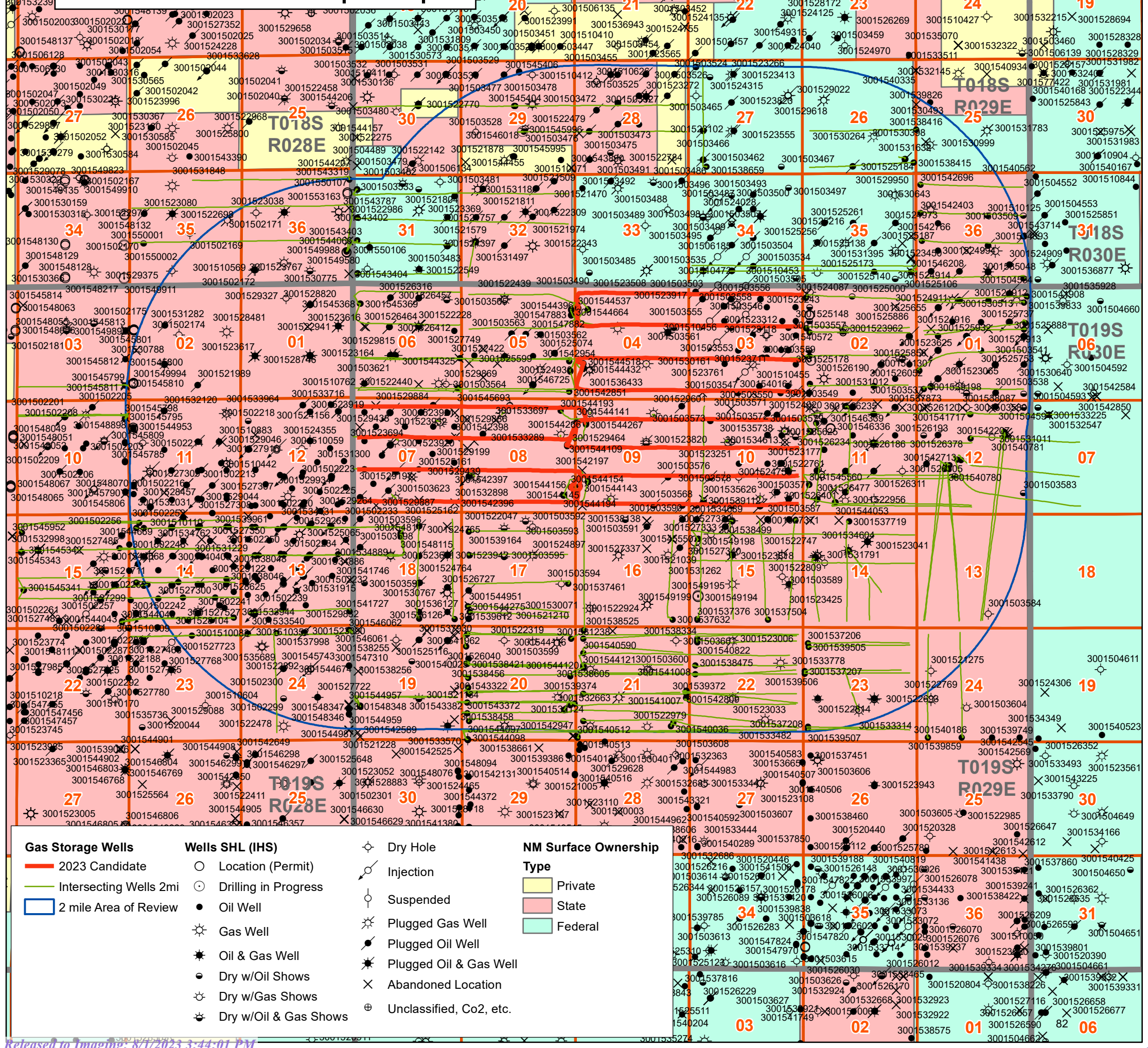
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Date

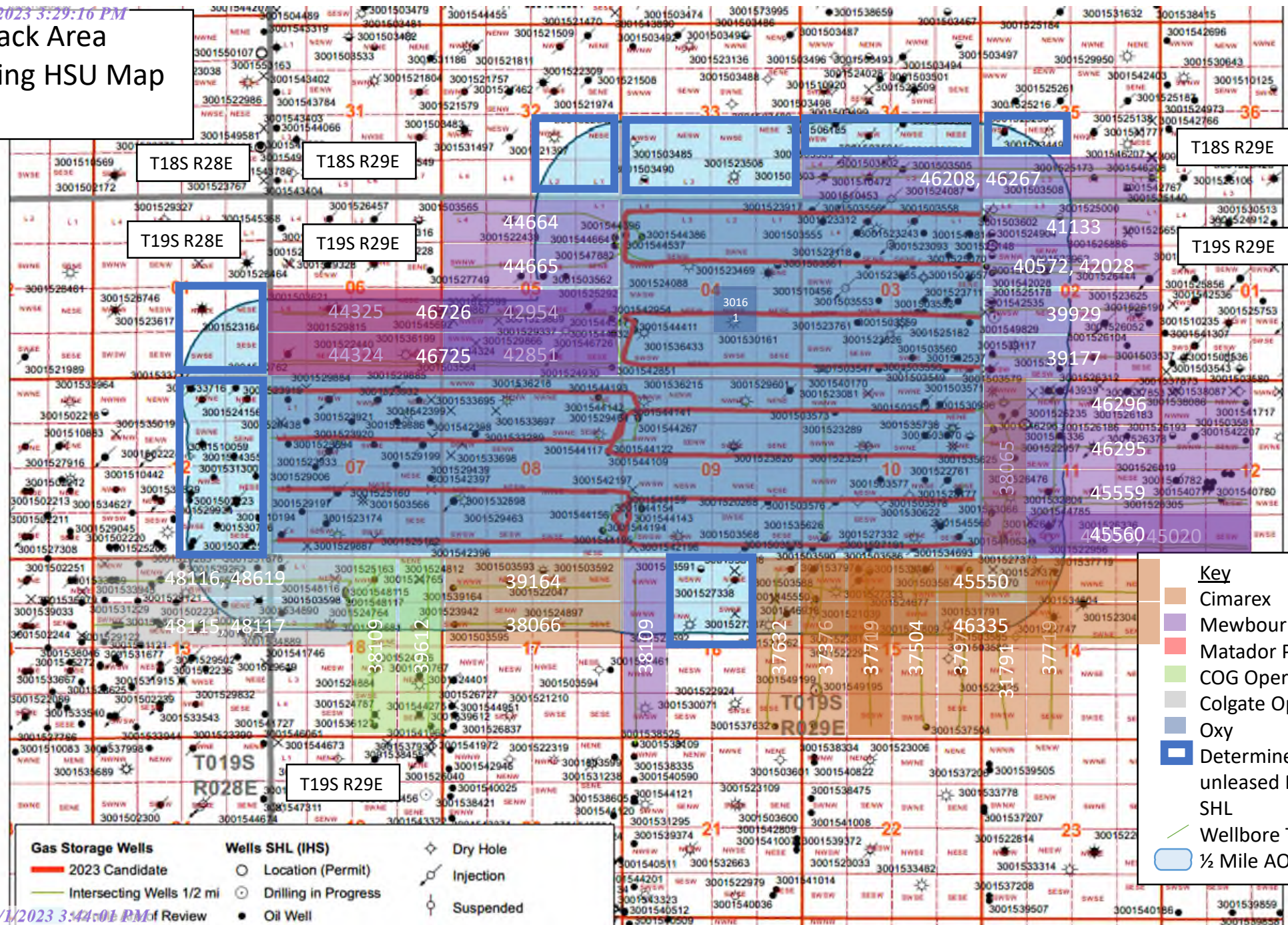
Other



Surface Ownership Map



Turkey Track Area Bone Spring HSU Map 6/15/23



GOR Gas Allocation Plan for CLGC Wells

Application

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

Overview

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

$$\text{Wellhead Gas Produced} = \text{Gas Lift Gas} + \text{Native Gas} + \text{Storage Gas Production}$$

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

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

Example

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

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

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

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

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

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

Well Test Allocation Method

Following an injection period, the allocation of oil and gas production shall be based on the production life of each CLGC well as measured for three periods: (a) the initial production period shall be measured from the end of the injection period until the peak gas production rate is reached; (b) the plateau period shall be measured from the end of the initial production period to the peak decline rate; and (c) the decline period shall be measured from the end of the plateau period until the well has recovered the previously-injected volume.

During the initial production period, the oil and gas production for each CLGC well shall be allocated using daily well tests or separated and metered individually prior to commingling.

During the plateau period, the oil and gas production for each CLGC well shall be allocated using a production curve calculated from a minimum of three (3) well tests per month. The production curve shall be calculated by interpolating daily production for each day using the known daily production obtained by well tests and shall use a method of interpolation that is at minimum as accurate as maintaining a constant rate of change for each day's production between the known daily production values.

During the decline period, the oil and gas production for each CLGC well shall be allocated using a production curve calculated from a minimum well testing frequency as follows: (a) a minimum of three (3) well tests per month when the decline rate is greater than 22% per month; (b) a minimum of two (2) well tests per month when the decline rate is between 22% and 10% per month; and (c) a minimum of one (1) well test per month when the decline rate is less than 10% per month. The production curve shall be calculated by interpolating daily production for each day using the known daily production obtained by well tests and shall use a method of interpolation that is at minimum as accurate as maintaining a constant rate of change for each day's production between the known daily production values.

Applicant shall conduct a well test by separating and metering the oil and gas production from each well for either (a) a minimum of twenty-four (24) consecutive hours; or (b) a combination of nonconsecutive periods that meet the following conditions: (i) each period shall be a minimum of six (6) hours; and (ii) the total duration of the nonconsecutive periods shall be a minimum of eighteen (18) hours.

CLGC Candidate Selection

In selecting candidates for CLGC injectors, all wells tied into the gas sales system were evaluated based on their native gas production, oil production, and flowing bottom hole pressure (FBHP). To minimize impact to oil production, wells were evaluated based on the Gas Reduced to Oil Ratio (GROR) calculation. This metric is the sum of native gas production and the maximum proposed injection gas (storage volume) divided by the oil production. FBHP was subsequently used to target more depleted wells.

$$GROR = \frac{\text{Native gas rate (mscfd)} + \text{Storage gas rate (mscfd)}}{\text{Oil rate (bbl/d)}}$$

CLGC Candidate Sequencing

Storage well sequencing will be handled similarly to the candidate selection process. Wells will be prioritized based on GROR (defined above) until the total gas removed from the system is greater than the temporary reduction in takeaway capacity.

Notice



Notice List

Agencies	
Bureau of Land Mangment	301 Dinosaur Trail Santa Fe, NM 87508
State Land Office	P.O. Box 1148 Santa Fe, NM 87504
Offset Operators	
CIMAREX ENERGY CO. OF COLORADO	6001 DEAUVILLE BLVD MIDLAND, TX 79706
COG OPERATING LLC	600 W ILLINOIS AVE MIDLAND, TX 79701
COLGATE OPERATING, LLC	300 NORTH MARIENFELD ST, SUITE 1000 MIDLAND, TX 79701
MATADOR PRODUCTION COMPANY	5400 LBJ FREEWAY, SUITE 1500 DALLAS, TX 75240
Mewbourne Oil Co	P.O. BOX 5270 HOBBS, NM 88241
Other Affected Persons and Parties	
BEAN FAMILY LIMITED COMPANY	P O BOX 45750 RIO RANCHO, NM 87174
BETTY READ YOUNG	P O BOX 811 ROSWELL, NM 88202-0811
BMT O&G NM, LLC	201 MAIN STREET FORT WORTH, TX 76102
BURLINGTON RESOURCES OIL & GAS, L.P.	P.O. BOX 4289 FARMINGTON, NM 87499
CAROLYN READ BEALL	P O BOX 3098 MIDLAND, TX 79702
DAVID M STEVENS	3101 DIAMOND A DRIVE ROSWELL, NM 88201
EOG RESOURCES INC	5509 Champions Drive Midland, TX 79706
FUEL PRODUCTS INC	P O BOX 3098 MIDLAND, TX 79702
GAHR ENERGY COMPANY	P O BOX 1889 MIDLAND, TX 79702
HFB INVESTMENT COMPANY LP	415 W WALL SUITE 1705 MIDLAND, TX 79701
HOWARD H CONE TRUST A	1801 COUNTY ROAD 289 GEORGETOWN, TX 78633
JESSE A CONE TRUST A	5050 CLAIREMONT MESA BLVD #4 SAN DIEGO, CA 92117-1434
JOHN ROBERT CONE TRUST A	3601 ARANSAS STREET CORPUS CHRISTI, TX 78411

KERR-MCGEE O/G ONSHORE, LP	5 GREENWAY PLAZA, SUITE 110 HOUSTON, TX 77046
MAGNUM HUNTER PRODUCTION, INC.	15 EAST 5TH STREET TULSA, OK 74013
MARATHON OIL CO	5555 SAN FELIPE HOUSTON, TX 77056
MARY CONE LEWIS TRUST A	4501 UPLAND AVENUE LUBBOCK, TX 79407
MEWBOURNE OIL COMPANY	500 W. Texas, Suite 1020 Midland, TX 79701
NEECO INC	P O BOX 10847 MIDLAND, TX 79702
NEW MEXICO WESTERN MINERALS INC	P O BOX 45750 RIO RANCHO, NM 87174
PAUL SLAYTON	PO BOX 2035 ROSWELL, NM 88201
PIVOTAL PERMIAN BASIN II LLC	2021 MCKINNEY AVE, STE 1250 DALLAS, TX 75201
PRINCE PETROLEUM LTD	306 WEST 7TH ST STE 701 FORT WORTH, TX 76102
RAISA II LLC	1560 BOADWAY ST, SUITE 2050 DENVER, CO 80202
STEVENS OIL & GAS LLC	PO BOX 3087 ROSWELL, NM 88202-3087
TANZA K BRUMFIELD	PO BOX 10847 MIDLAND, TX 79702
TERRY A CONE TRUST A	991 OLD SMITH ROAD FORTSON, GA 31808
THOMAS M BEALL	P O BOX 3098 MIDLAND, TX 79702-3098
TRIGG FAMILY TRUST	T J & MARY RAY SIVLEY ROSWELL, NM 88202
V-F PETROLEUM INC	P O BOX 1889 MIDLAND, TX 79702
WPX ENERGY PERMIAN LLC	333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102
XTO DELAWARE BASIN, LLC	22777 Springwoods Village PKWY SPRING, TX 77389

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

**APPLICATION OF OXY USA INC. FOR A
CLOSED LOOP GAS CAPTURE
INJECTION PILOT PROJECT, EDDY
COUNTY, NEW MEXICO.**

CASE NO. 23679

SELF-AFFIRMED STATEMENT OF STEPHEN JANACEK

1. My name is Stephen Janacek, and I am employed by OXY USA INC. (“OXY”) as a petroleum engineer.
2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum engineering. My credentials as an expert in petroleum engineering have been accepted by the Division and made a matter of record.
3. I am familiar with the application filed by OXY in this case, and I have conducted engineering analysis that is included in in Exhibit A. My analysis and conclusions are summarized at pages 1 to 60.
4. In this case, OXY seeks an order approving the proposed 3821.32-acre project area for this pilot project consisting of Sections 3, 4, 7, 8, 9, and 10, all within Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico. An overview locator map identifying the general location of OXY’s proposed Turkey Track CLGC Project is include in Exhibit A at page 5.
5. OXY seeks authority for this Pilot Project 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.

**BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. B
Submitted by: OXY USA INC.
Hearing Date: August 3, 2023
Case No. 23679**

6. I have prepared an analysis demonstrating that the proposed expansion meets the Division's guidelines for Closed Loop Gas Capture Pilot Projects.

7. OXY will target the Second Bone Spring Sand within the Bone Spring Formation corresponding with the TURKEY TRACK; BONE SPRING (Pool Code 60660).

8. Exhibit B1 attached to this affidavit is the proposed OCD Exhibit A for a Division order that identifies the project area, pool names, pool codes, and all wells that would be authorized to inject under this CLGC Project.

9. Exhibit B2 attached to this affidavit is the proposed OCD Exhibit B for a Division order that identifies the proposed CLGC wells and direct offset wells with API numbers.

10. Exhibit B3 attached to this affidavit shows is a gunbarrel view that depicts the proposed CLGC wells and direct offset wells. The proposed CLGC wells are noted with a red circle, and direct offset wells are noted with an orange circle.

11. The CLGC wells have relatively similar injection depths, and injection will be in the Second Bone Spring Sand at depths ranging from 7505 to 7983 feet true vertical depth.

12. Page 5 of Exhibit A depicts the Facilities Map with the project area and the associated surface facilities. The blue dashed line represents the Project Area, the black line represents the downhole wellbore trajectories from the surface location to the well's TD, the First Take Point ("FTP") is represented by a black circle, the Last Take Point ("LTP") is represented by a black triangle, the flowlines are represented in green, the Central Tank Battery ("CTB") is represented as a salmon rectangle, the red line represents the low pressure ("LP") gas gathering line, the black rectangles represent the Centralized Gas Lift Compressor Station ("CGL"), the orange line represents the high pressure (HP) gas line, the red star indicates the flare location, and the blue stars represent the third-party gas takeaway points.

13. All proposed CLGC wells and source wells are covered by the surface gas commingling permit PLC-517.

14. Page 6 of Exhibit A is the Process Flow Diagram corresponding with the Facilities Map. This demonstrates the flow of fluids through the system. During normal operations, produced fluids flow from the wellhead down the flowline to the CTB. Fluids are processed at the CTB; the oil is sold, water is sent to a Saltwater Disposal (“SWD”) well, and the produced gas enters the LP gas gathering system. Here, limited amounts of produced gas can be sold to DCP as a secondary gas takeaway option, but most of the time all of the gas is sent to the Turkey Track GL Compressor Station where it is pressurized from 65 psig to 1250 psig. The gas then enters the HP gas line where it is sold to Enterprise (primary gas takeaway) or reinjected as gas lift gas as part of the artificial lift method used to produce wells.

15. During a gas storage event that is prompted by an interruption to the primary gas takeaway to Enterprise, the produced fluids have a similar yet different flow through the system. First, the CLGC wells are shut-in at the wellhead. The produced fluids from other wells in the system continue to produce down the flowline to the CTB. After the CTB, a limited amount of gas can be sold to DCP, or it flows to the CGL. After the CGL, the gas is reinjected into all gas lift wells in the system. Some gas will be stored in the shut-in CLGC wells and the remainder of the gas will be used as gas lift gas for the other active producing wells in the system.

16. The Process Flow Diagram shows the control and measurement devices connected to the Supervisory Control and Data Acquisition (“SCADA”) system. This includes shutdown valves (“SDV”), flow control valves (“FCV”), and pressure control valves (“PCV”).

17. Pages 7-18 of Exhibit A are the As-Drilled C-102s for each proposed CLGC well.

18. Pages 19-42 of Exhibit A are the proposed Injection Well Data Sheets. They include each well's general information, casing, cement, perforations, packer, and other details. All proposed CLGC wells will be converted to tubing flow gas lift wells with packers installed before being utilized during storage events. All proposed CLGC wells are cased and cemented to confine the captured gas to the Second Bone Spring Sand.

19. Cement Bond Logs for the CLGC wells were submitted electronically to the NMOCD online well files before the hearing date.

20. Page 43 of Exhibit A is a summary of current operational parameters, proposed operational parameters, and calculations related to Maximum Allowable Surface Pressure ("MASP"). The calculations based on the proposed MASP of 1335 psi for each well shows all CLGC guidelines are met regarding casing burst pressure and formation parting pressure.

21. Page 44 of Exhibit A is the proposed wellhead diagram for the CLGC wells. It includes various components connected to the SCADA system such as safety shutdown valves, pressure indication transmitters, and flow control valves. During normal operations, gas lift gas starts at the 2" flow meter upstream of the wellhead. After passing through the casing-head on the wellhead, the gas flows down the production casing x production tubing annulus. Once it reaches one of the gas lift valves, it will travel through the valve and join the reservoir fluid in the production tubing. Next, it flows up the production tubing and is produced out of the tubing-head on the wellhead. Finally, the produced fluids flow down the production flowline to the CTB for processing.

22. During a gas storage event, the flow control valve on the CLGC well is shut-in and the well stops producing. This allows gas lift gas, now considered gas storage gas, to continue flowing through the 2" flow meter upstream of the wellhead, through the wellhead, and then

downhole through the gas lift valves. However, unlike normal operations, the storage gas will begin to build up in the production tubing since the well is shut-in. After a period of time, the storage gas will build up in the wellbore and then build up in the fracture network. Once the gas storage event ends, the flow control valve is opened to return the well to production and gas storage gas, followed by reservoir fluid, is produced up the wellhead and down the flowline to the CTB for processing.

23. Page 45 of Exhibit A is a history of the mechanical integrity tests (MITs) performed on these wells during initial completions. The production casing of all wells were tested up to at least 9500 psi before the well was perforated and fracture stimulated. New MITs will be conducted per the CLGC guidance document and the order resulting from this application.

24. Page 46 of Exhibit A identifies the Gas Source wells of the CLGC Project. All these wells are included on the gas surface commingling permit PLC-517. These wells produce from the Bone Spring, Morrow, and Atoka pools.

25. Page 48 of Exhibit A shows the injection gas sample collected and analyzed. The analysis for the target injection formation gas for the Second Bone Spring Sand is Exhibit B5 attached to this affidavit. There are no issues or concerns regarding corrosion or incompatibility. Oxy is already effectively mixing this gas with current gas lift operations.

26. Page 49 of Exhibit A is the Corrosion Prevention Plan in place for gas lift operations. This will be continued during CLGC operations since the processes are similar.

27. Pages 50-52 of Exhibit A show the Gas Storage Operational Plan per NMOCD CLGC Guidance. OXY will monitor CLGC injection and operational parameters with an automated SCADA system. There will be pre-set alarms and automatic shut-in safety valves that will detect leaks and respond accordingly and prevent the wells from exceeding the MASP.

28. Pages 54-59 of Exhibit A is the Area of Review (AOR). The Mineral Estate Map on Page 54 of Exhibit A shows the federal and state leases in light blue and yellow, respectively. The proposed CLGC wells are represented by red wellbore trajectories, and offset horizontal wells are represented by green wellbore trajectories. The blue outlined bubble represents a 2-mile AOR outline around the proposed CLGC wells. All proposed CLGC wells are on Federal Mineral Estates.

29. Page 55 of Exhibit A is the ½ Mile AOR Map. This is a visual representation of the ½ Mile AOR Table on Pages 56-59 of Exhibit A. Like the Mineral Estate Map, proposed CLGC wells and offset wells are shown in the ½ Mile AOR Map. Numbers are assigned to the proposed CLGC wells and any well that penetrates the top of the Bone Spring Formation and has any part of their wellbore within ½ mile of a proposed CLGC well. The well ID number corresponds with the ½ mile AOR Table. At the surface hole location of each well in the ½ mile AOR, the proposed CLGC wells have red ID numbers, and the other wells have black ID numbers. The light-blue, shaded bubble represents the ½ mile AOR outline around the proposed CLGC wells.

30. Pages 56-59 of Exhibit A is the ½ Mile AOR Table that shows various aspects of information about the proposed CLGC wells and other wells in the AOR. General information, location, casing, cement, and completion data are shown for each well.

31. There is one permanently abandoned well and one temporarily abandoned well identified in the ½ mile AOR. Wellbore diagrams were built for each well. See Page 60 of Exhibit A and Exhibit B6 attached to this affidavit. These wellbores are cased and cemented to confine the injected gas to the Second Bone Spring Sand and protect freshwater zones.

32. OXY identified all affected parties entitled to notice per NMOCD guidelines. As part of the research to determine affected parties, the Horizontal Spacing Unit (HSU) Map on page

83 of Exhibit A was built. It shows the ½ mile AOR bubble with a blue outline and the Bone Spring HSUs of various operators that lie wholly or partially within the AOR. Additionally, tracts without Bone Spring HSUs were identified with a thick, blue outline. The affected parties within the notice area are identified on pages 89-90 of Exhibit A.

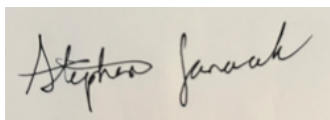
33. I provided the law firm of Holland & Hart LLP this list of names and addresses for purposes of providing notice.

34. OXY also provided notice to additional parties, which included all working interest owners and royalty owners for CLGC wells and sources gas wells in the gas gathering system. This was not required under the NMOCD guidance, but it was an opportunity for OXY to give notice to all interest owners of the NMOCD's approved GOR Gas Allocation Plan described on Pages 84-85 of Exhibit A. After a gas storage event, the GOR Gas Allocation Plan will be applied to proposed CLGC wells to determine native gas production and storage gas production. Once 100% of the storage gas is recovered, gas allocation will revert to standard accounting procedures.

35. This application prevents waste and protects correlative rights.

36. Pages 2-60 of Exhibit A and Exhibits B1-B5 attached to this affidavit were either prepared by me or compiled under my direction and supervision.

37. 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.

A handwritten signature in black ink on a light-colored rectangular background. The signature is written in a cursive style and reads "Stephen Janacek".

8/1/2023

Stephen Janacek

Date

30231214_v1

Proposed OCD Exhibit A

Order Number:

Operator: OXY USA INC

Project Pools

Pool Name:

TURKEY TRACK; BONE SPRING

Pool Code:

60660

Project Area (NMPM)

UL or Q/Q:

ALL

ALL

ALL

ALL

ALL

ALL

S-T-R:

3-19S-29E

4-19S-29E

7-19S-29E

8-19S-29E

9-19S-29E

10-19S-29E

CLGC Wells

Well API:	Well Name:	UL or Q/Q:	S-T-R:	Pool:
30-015-44396	TURKEY TRACK 4-3 STATE 21H	N/2 OF N/2 N/2 OF N/2	3-19S-29E 4-19S-29E	TURKEY TRACK; BONE SPRING
30-015-44537	TURKEY TRACK 4-3 STATE 22H	S/2 OF N/2 S/2 OF N/2	3-19S-29E 4-19S-29E	TURKEY TRACK; BONE SPRING
30-015-44517	TURKEY TRACK 4-3 STATE 23H	N/2 OF S/2 N/2 OF S/2	3-19S-29E 4-19S-29E	TURKEY TRACK; BONE SPRING
30-015-44518	TURKEY TRACK 4-3 STATE 24H	S/2 OF S/2 S/2 OF S/2	3-19S-29E 4-19S-29E	TURKEY TRACK; BONE SPRING
30-015-44142	TURKEY TRACK 8-7 STATE 22H	S/2 OF N/2 S/2 OF N/2	7-19S-29E 8-19S-29E	TURKEY TRACK; BONE SPRING
30-015-44143	TURKEY TRACK 8-7 STATE 23H	N/2 OF S/2 N/2 OF S/2	7-19S-29E 8-19S-29E	TURKEY TRACK; BONE SPRING
30-015-44145	TURKEY TRACK 8-7 STATE 24H	S/2 OF S/2 S/2 OF S/2	7-19S-29E 8-19S-29E	TURKEY TRACK; BONE SPRING
30-015-45681	TURKEY TRACK 8-7 201H	N/2 OF N/2 N/2 OF N/2	7-19S-29E 8-19S-29E	TURKEY TRACK; BONE SPRING
30-015-44117	TURKEY TRACK 9-10 21H	N/2 OF N/2 N/2 OF N/2	9-19S-29E 10-19S-29E	TURKEY TRACK; BONE SPRING
30-015-44122	TURKEY TRACK 9-10 22H	S/2 OF N/2 S/2 OF N/2	9-19S-29E 10-19S-29E	TURKEY TRACK; BONE SPRING
30-015-44154	TURKEY TRACK 9-10 23H	N/2 OF S/2 N/2 OF S/2	9-19S-29E 10-19S-29E	TURKEY TRACK; BONE SPRING
30-015-44156	TURKEY TRACK 9-10 24H	S/2 OF S/2 S/2 OF S/2	9-19S-29E 10-19S-29E	TURKEY TRACK; BONE SPRING

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. B-1

Submitted by: OXY USA INC.

Hearing Date: August 3, 2023

Case No. 23679

Proposed OCD Exhibit B

Order Number:

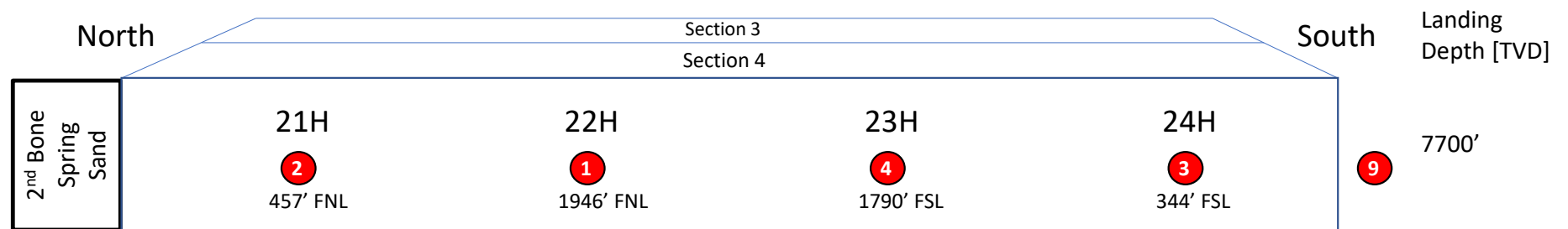
Operator: OXY USA INC

CLGC Wells and Offset Wells

Well API:	Well Name:	Upper Confining Layer:	Offset Well API:	Offset well Name:
30-015-44396	TURKEY TRACK 4-3 STATE 21H	Second Bone Spring limestone above Second Bone Spring Sand	30-015-44537	TURKEY TRACK 4-3 STATE 22H
30-015-44537	TURKEY TRACK 4-3 STATE 22H	Second Bone Spring limestone above Second Bone Spring Sand	30-015-44396 30-015-44517	TURKEY TRACK 4-3 STATE 21H TURKEY TRACK 4-3 STATE 23H
30-015-44517	TURKEY TRACK 4-3 STATE 23H	Second Bone Spring limestone above Second Bone Spring Sand	30-015-44396 30-015-44518	TURKEY TRACK 4-3 STATE 21H TURKEY TRACK 4-3 STATE 24H
30-015-44518	TURKEY TRACK 4-3 STATE 24H	Second Bone Spring limestone above Second Bone Spring Sand	30-015-44517 30-015-44117	TURKEY TRACK 4-3 STATE 23H TURKEY TRACK 9-10 21H
30-015-44142	TURKEY TRACK 8-7 STATE 22H	Second Bone Spring limestone above Second Bone Spring Sand	30-015-45681 30-015-44143	TURKEY TRACK 8-7 201H TURKEY TRACK 8-7 STATE 23H
30-015-44143	TURKEY TRACK 8-7 STATE 23H	Second Bone Spring limestone above Second Bone Spring Sand	30-015-44142 30-015-44145	TURKEY TRACK 8-7 STATE 22H TURKEY TRACK 8-7 STATE 24H
30-015-44145	TURKEY TRACK 8-7 STATE 24H	Second Bone Spring limestone above Second Bone Spring Sand	30-015-44143	TURKEY TRACK 8-7 STATE 23H
30-015-45681	TURKEY TRACK 8-7 201H	Second Bone Spring limestone above Second Bone Spring Sand	30-015-44142	TURKEY TRACK 8-7 STATE 22H
30-015-44117	TURKEY TRACK 9-10 21H	Second Bone Spring limestone above Second Bone Spring Sand	30-015-44518 30-015-44122	TURKEY TRACK 4-3 STATE 24H TURKEY TRACK 9-10 22H
30-015-44122	TURKEY TRACK 9-10 22H	Second Bone Spring limestone above Second Bone Spring Sand	30-015-44117 30-015-44154	TURKEY TRACK 9-10 21H TURKEY TRACK 9-10 23H
30-015-44154	TURKEY TRACK 9-10 23H	Second Bone Spring limestone above Second Bone Spring Sand	30-015-44122 30-015-44156	TURKEY TRACK 9-10 22H TURKEY TRACK 9-10 24H
30-015-44156	TURKEY TRACK 9-10 24H	Second Bone Spring limestone above Second Bone Spring Sand	30-015-44154	TURKEY TRACK 9-10 23H

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. B-2
Submitted by: OXY USA INC.
Hearing Date: August 3, 2023
Case No. 23679

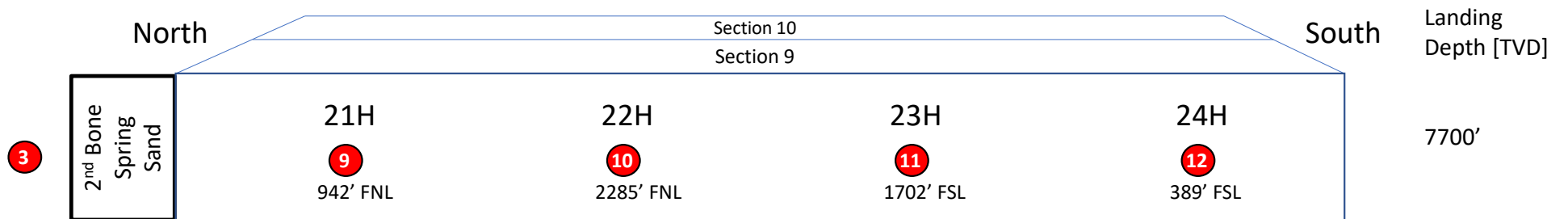
Gunbarrel View Turkey Track 4-3



● 2023 CLGC Candidate
● Offset Well

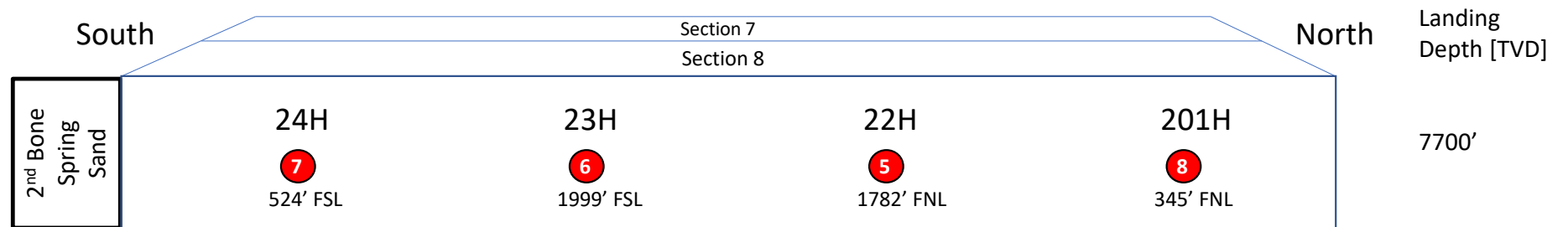
BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. B-3
Submitted by: OXY USA INC.
Hearing Date: August 3, 2023
Case No. 23679

Gunbarrel View Turkey Track 9-10



- 2023 CLGC Candidate
- Offset Well

Gunbarrel View Turkey Track 8-7



- 2023 CLGC Candidate
- Offset Well

AKM MEASUREMENT SERVICES,LLC. Natural Gas Analysis Report
GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

	Sample Information
Sample Name	TURKEY TRACK CTB TEST 1- TURKEY TRACK 4-3 ST 23H
Technician	ANTHONY DOMINGUEZ
Analyzer Make & Model	INFICON MICRO GC
Last Calibration/Validation Date	06-22-2023
Meter Number	14671T
Air temperature	104
Flow Rate (MCF/Day)	1480
Heat Tracing	HEATED HOSE & GASIFIER
Sample description/mtr name	TURKEY TRACK CTB TEST 1 - TURKEY TRACK 4-3 ST 23H
Sampling Method	FILL & EMPTY
Operator	OCCIDENTAL PETROLEUM
State	NEW MEXICO
Region Name	PERMIAN_RESOURCES
Asset	NEW MEXICO
System	WEST
FLOC	NA
Sample Sub Type	NA
Sample Name Type	NA
Vendor	AKM MEASUREMENT
Cylinder #	4357
Sampled by	JONATHAN ALDRICH
Sample date	6-23-2023
Analyzed date	6-27-2023
Method Name	C9
Injection Date	2023-06-27 16:05:36
Report Date	2023-06-27 16:09:22
EZReporter Configuration File	1-16-2023 OXY GPA C9+ H2S #2.cfgx
Source Data File	6487abbd-9460-465c-9f0e-26496d246d6f
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	38737.0	2.1914	0.00005657	2.2068	0.0	0.02134	0.244	
Methane	1001793.2	73.2161	0.00007309	73.7322	746.4	0.40840	12.546	
CO2	43771.7	2.0579	0.00004701	2.0724	0.0	0.03149	0.355	
Ethane	249807.9	11.4192	0.00004571	11.4997	204.0	0.11939	3.087	
H2S	0.0	0.0000	0.00000000	0.0000	0.0	0.00000	0.000	
Propane	184888.9	6.0053	0.00003248	6.0477	152.5	0.09208	1.672	
iso-butane	70488.4	0.7827	0.00001110	0.7882	25.7	0.01582	0.259	
n-Butane	177434.5	1.9504	0.00001099	1.9641	64.2	0.03942	0.622	
iso-pentane	48009.3	0.4648	0.00000968	0.4681	18.8	0.01166	0.172	
n-Pentane	55813.3	0.5275	0.00000945	0.5312	21.3	0.01323	0.193	
hexanes	42946.0	0.3241	0.00000755	0.3264	15.6	0.00971	0.135	
heptanes	36242.0	0.2221	0.00000613	0.2236	12.3	0.00774	0.104	
octanes	20334.0	0.1097	0.00000539	0.1104	6.9	0.00435	0.057	
nonanes+	5814.0	0.0290	0.00000499	0.0292	2.0	0.00129	0.016	
Total:		99.3001		100.0000	1269.8	0.77592	19.461	

Results Summary

Result	Dry	Sat.	
Total Un-Normalized Mole%	99.3001		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Flowing Temperature (Deg. F)	106.0		

Result	Dry	Sat.	
Flowing Pressure (psia)	83.0		
Gross Heating Value (BTU / Ideal cu.ft.)	1269.8	1247.7	
Gross Heating Value (BTU / Real cu.ft.)	1274.8	1253.2	
Relative Density (G), Real	0.7787	0.7763	

Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status	
Total un-normalized amount	99.3001	97.0000	103.0000	Pass	



OXY USA INC
Conoco 10 State #2H
30-015-38476

Surface

17-1/2" hole @ 294'
13-3/8" H-40 48# csg @ 294'
w/ 420 sx-TOC-SURF-CIRC

Intermediate

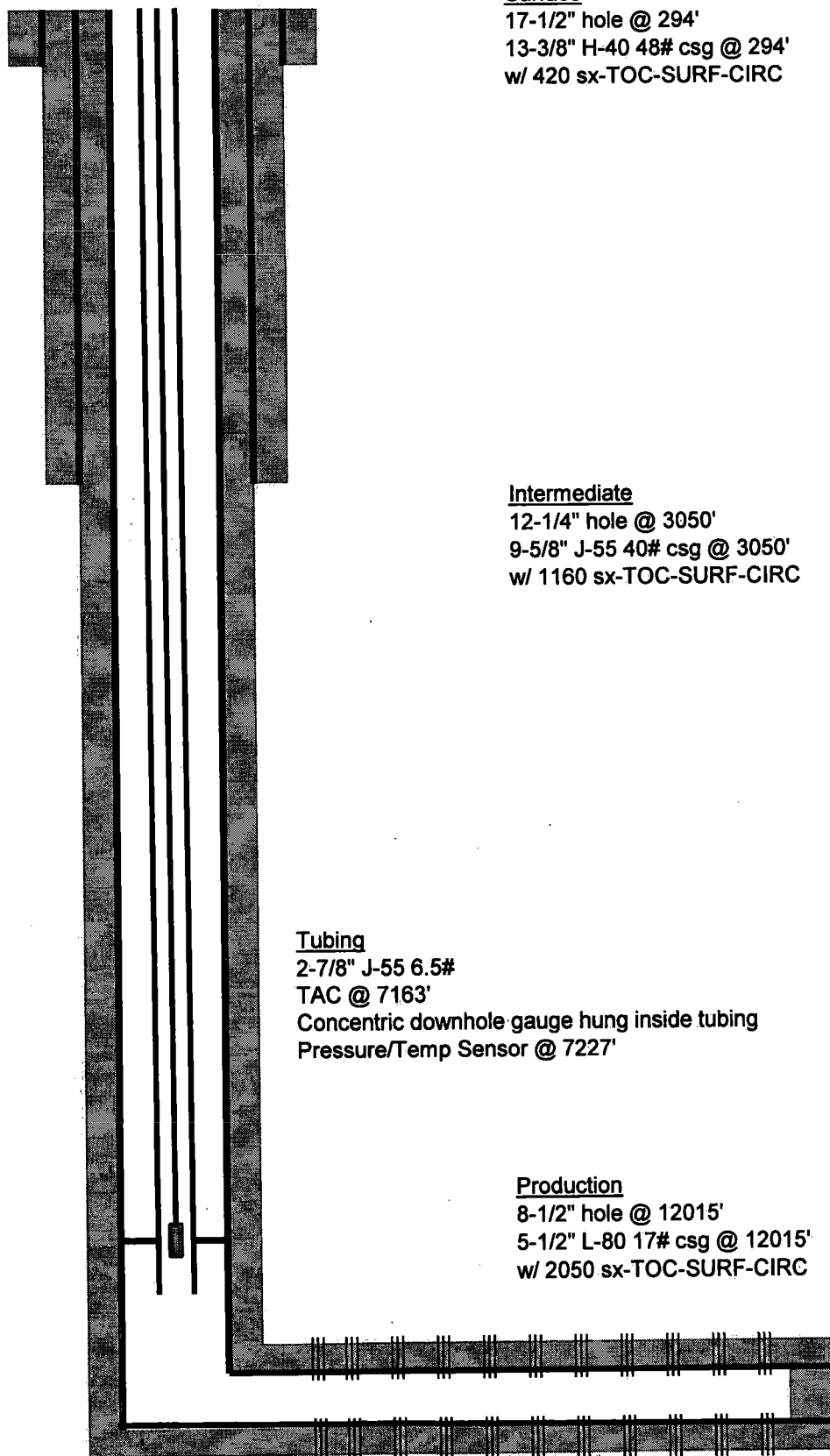
12-1/4" hole @ 3050'
9-5/8" J-55 40# csg @ 3050'
w/ 1160 sx-TOC-SURF-CIRC

Tubing

2-7/8" J-55 6.5#
TAC @ 7163'
Concentric downhole gauge hung inside tubing
Pressure/Temp Sensor @ 7227'

Production

8-1/2" hole @ 12015'
5-1/2" L-80 17# csg @ 12015'
w/ 2050 sx-TOC-SURF-CIRC



Perfs @ 8151'-11885'

TD- 12015'M 7947'V

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. B-5

Submitted by: OXY USA INC.

Hearing Date: August 3, 2023

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

**APPLICATION OF OXY USA INC. FOR A
CLOSED LOOP GAS CAPTURE INJECTION
PILOT PROJECT, EDDY COUNTY, NEW
MEXICO.**

CASE NO. 23679

SELF-AFFIRMED STATEMENT OF TONY J. TROUTMAN

1. My name is Tony J. Troutman. I work for OXY USA INC. ("OXY") as a petroleum geologist.

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

3. I am familiar with the application filed by OXY in this case, and I have conducted a geologic study of the lands in the subject area that is included in Exhibit A. My analysis and conclusions are summarized at pages 61 to 68.

4. Page 62 of Exhibit A is general characterization of the geology of the Second Bone Spring Sand 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 my analysis.

5. Page 63 of Exhibit A depicts a type log and vertical permeability barriers for the CLGC Project. This type log is from the Solomon State 1Y well (API 30-015-35739) in the interior of the CLGC Project. Well logs displayed are the gamma ray log, resistivity logs, porosity logs, density logs, and analysis of lithology and water saturation.

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. C
Submitted by: OXY USA INC.
Hearing Date: August 3, 2023
Case No. 23679

6. The left most well section represents the geological interval from surface to the top of the Bone Spring section. The geological intervals that act as permeability barriers to upward migration of injected gas are represented on the left side of the well section with blue boxes. Directly overlying the Bone Spring is the Delaware Mountain Group, which consists of connate-water bearing and hydrocarbon-bearing, low-permeability and high-porosity sands, with minor limestone and shale intervals and is approximately 1,000 feet thick. Above that is the San Andres Formation, a carbonate with multiple zones of low-porosity, low-permeability carbonates; the Grayburg Formation, a mixed dolomite and siliciclastic; the Queen Formation, mixed carbonates and siliciclastics; The Seven Rivers Formation, Yates Formation and Tansill Formation, all of mixed carbonates and siliciclastics. Above that is the Salado Formation consisting of very low-permeability salt, anhydrite, gypsum, and calcite that acts as a significant barrier to upward migration of hydrocarbons. The Salado forms a 1,100-foot-thick barrier dominated by salt. The top of the Salado is at 260 feet TVD and the deeper aquifers found just above the formation are saline water. The overlying Rustler contains a continuous anhydrite layer that acts as another permeability barrier. These are all the overlying formations above the target injection interval.

7. Page 64 of Exhibit A shows the full type log expanded with further detail. The right-hand continuation of the Type Log shows the permeability barriers in the Bone Spring Formation both above and below the Second Bone Spring Sand reservoir. Both the First Bone Spring Limestone and the Second Bone Spring limestone provide barriers to upward migration to the overlying Brushy Canyon sands. Low permeability and porosity shales of the Third Bone Spring Limestone act as an underlying barrier to downward migration.

8. The Bone Spring Formation is composed of large-scale cycles of alternating carbonate and siliclastic-dominated successions. The target injection interval, the Second Bone

Spring Sand, is a siliciclastic reservoir member that is deposited in low-stand turbiditic channels, fans, and distal sheets. These are very fine-grained sandstones and silts, mudstones, and shales that have porosities averaging 9.7% and permeabilities in the 10 millidarcie to 0.003 millidarcie range as measured via core plugs.

9. Page 66 of Exhibit A is a structure map on the top of the Second Bone Spring Sand showing that the structure dips gently to southeast. There is no evidence of faulting or other geologic impediments that would allow injected fluid to migrate out of the Second Bone Spring Sand and into shallower zones. Also included on the map is the line of cross-section from A to A' depicting the location of the five representative wells used to construct the cross-section on page 65 of Exhibit A. This cross section focuses on the proposed injection interval of the Second Bone Spring Sand, highlighted in the green area, and the internal barriers to vertical migration of the injected fluid, highlighted with red brackets. Each of the wells has a log suite consisting of a gamma ray log, resistivity log and porosity logs. Additionally, the wells have interpreted lithology logs and water saturation logs. There is little lateral heterogeneity within the Second Bone Spring Sand. Also, the low permeability, low porosity barriers are present across the CLGC Project Area with relatively consistent thicknesses, which is highlighted by the consistent character in logs. Overlying the Second Bone Spring Sand is a thick package of interbedded carbonate mudstones and shales acting as permeability barriers to upward migration of injected gas to overlying formations. The Second Bone Spring Sand has an upper vertical permeability layer that is laterally continuous across the CLGC Project Area.

10. Page 67 of Exhibit A shows the Isochore or thickness map of the Second Bone Spring Sand. The black well trajectories are the CLGC wells. Overall thickness (shown by the 25 ft. contour lines) varies less than 100 ft. across the CLGC Project Area.


11. My analysis concludes that the Second Bone Spring Sand in this area is suitable for the CLGC Project, and there are geologic barriers that will contain the proposed injection within the Second Bone Spring Sand.

12. I have examined the available geologic and engineering data and found no evidence of open faults or other hydrologic connections between the injection zone and any underground source of drinking water. See Exhibit A at page 63.

13. In my opinion, the granting of OXY's application in this case is in the best interest of conservation, the prevention of waste, and protection of correlative rights.

14. Pages 61 through 67 of Exhibit A and Exhibit C were either prepared by me or compiled under my direction and supervision.

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


Tony Troutman

8/1/2023
Date

30231220_v1

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

**APPLICATION OF OXY USA INC. FOR A
CLOSED LOOP GAS CAPTURE
INJECTION PILOT PROJECT, EDDY
COUNTY, NEW MEXICO.**

CASE NO. 23679

SELF-AFFIRMED STATEMENT OF RAHUL JOSHI

1. My name is Rahul Joshi and I am employed by OXY USA INC. ("OXY") as a reservoir engineer.
2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum engineering. My credentials as an expert in petroleum engineering have been accepted by the Division and made a matter of record.
3. I am familiar with the application filed by OXY in this case, and I have conducted engineering analysis that is included in in Exhibit A. My analysis and conclusions are summarized at pages 68-80.
4. I have examined the available geologic and engineering data and found no evidence of open faults or other hydrologic connections between the injection zone and any underground source of drinking water. See Exhibit A at 68.
5. The CLGC project will inject produced gas into horizontal wells with 10,000 ft laterals and target the Second Bone Spring Sand within the Bone Spring Formation. We applied simulation modeling techniques to investigate gas movement in the injection zone and any potential impacts on production performance of proposed CLGC wells and direct offset wells. The model utilized data from Cedar Canyon Section 16 Gas EOR Project in Township 24 South, Range 29 East ("CC 16 EOR Project") for verification. The CC 16 EOR Project began in 2017. It is

**BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. D
Submitted by: OXY USA INC.
Hearing Date: August 3, 2023
Case No. 23679**

located about 30 miles south of the Turkey Track CLGC project area as shown on the maps on page 72 of Exhibit A. The section, location, and well layout for the CC 16 EOR Project are also shown on page 72.

6. Page 73 of Exhibit A provides an overview of the CC 16 EOR Project. The bottom left box shows the reservoir properties and conditions of the Second Bone Spring Sand. In general, the Second Bone Spring Sand in the Cedar Canyon and Turkey Track areas have similar reservoir properties. The reservoir model is a full section model with five wells. The top right of page 73 in Exhibit A shows the 3D model grid. It has 56 layers and one million cells. The four plots in the bottom right show history match results of all five wells in the CC 16 EOR Project Area. The dots represent historical field data and the curves are modeling results. The first three plots show the primary production match from 2013 to 2017 for all five wells in the section. The green plot shows oil rate match, the blue plot shows water rate match, and the red plot shows gas rate match. The bottom right plot shows gas injection bottom hole pressure match of EOR gas injection in 2017. In conclusion, the model shows a good match for all rates and pressure.

7. In this EOR project, Cedar Canyon 16-7H injected hydrocarbon (produced) gas for five months in 2017 at a rate of 7 MMSCFPD. After the five months of EOR gas injection, the final surface tubing head pressure was 4100 psi and bottom hole pressure was about 5100 psi. The simulation model incorporated both the primary production history of wells in the CC 16 EOR Project area and the EOR gas injection history with gas communication occurring between the EOR injection well and offset producing wells. During the first three months of EOR gas injection, there was no observed gas communication. However, after three months of EOR gas injection, there was gas communication in offset producers and the model was able to predict it. As a result,

this gives us confidence in the ability of the model to predict impacts on offset wells resulting from CLGC operations.

8. With the high EOR gas injection rates and injection pressures in the CC 16 EOR Project, the reservoir simulation model was created to capture the gas communication between injection wells and the offset producers. This modeling improved our understanding of the complexity of connected fractures based on actual field response. Consequently, this model was used to simulate the effects of CLGC operations in the Turkey Track and other areas, since the reservoirs have similar properties. We believe the model is able to predict if communication might occur during CLGC injection because it was “tuned” based on actual gas communication between wells.

9. To simulate CLGC injection, we started by creating a base case for normal production without any gas injection, then we ran numerous gas injection cases and compared those with the base case to determine the impact on well production rate and recovery in both CLGC wells and offset wells. The simulation model indicates a peak injection rate of 3 MMSCFPD for 10K wells at surface injection pressure of 1300 psi with the injection rate declining subsequently. Oxy ran all cases in the model with flat injection rate of 3 MMSCFPD for 7 days for a cumulative injection of 21 MMSCF to simulate worst-case scenario. See pages 74-75 of Exhibit A.

10. Results from simulation indicate the horizontal movement of injected CLGC gas is anticipated to be approximately 100 feet or less from each proposed CLGC wellbore within the Bone Spring formation. See page 76 of Exhibit A. This is illustrated by comparing gas saturation pre-injection and post-injection. The top left plot on page 76 shows pre-injection gas saturation. The wellbores are depicted as east-west lines, and the numerous

hydraulic fractures created in each wellbore are shown as NE-SW angled lines. The blue color shows no gas saturation while the cyan color shows gas saturation that exists in the fractures. A warmer color indicates a higher gas saturation. The top right plot on Page 76 shows gas saturation after one week of injection into the middle well. The gas injected into the middle well and the fractures near wellbore show a warmer color. The bottom plots have a magnified view of the middle well's gas saturation for a clearer comparison before and after injection. We can clearly see that the fractures near the wellbore in the post-injection case have a warmer color than those of the pre-injection case. Additionally, further away from the middle wellbore, there is no gas saturation change in the fractures even though there are connected fractures between wells. This is because the injected gas volume during CLGC operations is too small to move very far away from the wellbore. And even when fracture communication exists between wells, there is not sufficient injection gas volume for immediate gas communication as was observed in the CC 16 EOR Project, which had a much higher injection volume, injection rate, and injection pressure.

11. The pressure map plots of Exhibit A at page 77 tell the same story as the gas saturation map plots before and after injection. With gas injection, the pressure increases only in the fractures within 100 feet of the middle well.

12. As a cross-check of the model results, I prepared an analysis of the expected gas storage capacity in the fracture network of the proposed CLGC wells relative to the expected and historical gas injection volumes for CLGC projects. See Exhibit A at 78. Oxy's highest gas injection volume per storage event is 13.5 MMSCF which represents on average only 6% of fracture volume capacity of the proposed CLGC wells. This confirms

that the injected gas during a storage event will reside in the hydraulic fractures and will be recovered when the proposed CLGC well is put back on production.

13. In my analysis, examining the available geologic and engineering data, I have determined that the total recoverable volume of hydrocarbons from the reservoir will not be adversely affected by the pilot project and that the gas composition of the injected gas will not damage the reservoir. See Exhibit A at 79-80. Additionally, in my opinion there will be no positive or negative impact on hydrocarbon recovery from the offset wells due to CLGC injection.

14. Pages 69 through 79 of Exhibit A and Exhibit D were either prepared by me or compiled under my direction and supervision.

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



Rahul Joshi

08/01/2023

Date

30231212_v1

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

**APPLICATION OF OXY USA INC.
FOR A CLOSED LOOP GAS CAPTURE
INJECTION PILOT PROJECT, EDDY
AND LEA COUNTIES, NEW MEXICO.**

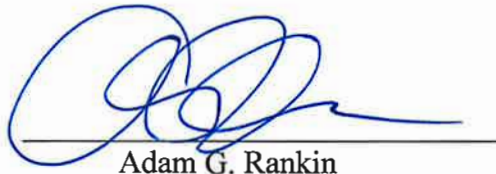
CASE NO. 23679

AFFIDAVIT

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

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

1. The above-referenced application and notice of the hearing on this application was sent by certified mail to the affected parties on the date set forth in the letter attached hereto.
2. The spreadsheet attached hereto contains the names of the parties to whom notice was provided.
3. The spreadsheet attached hereto contains the information provided by the United States Postal Service on the status of the delivery of this notice as of July 28, 2023.
4. I caused a notice to be published to all parties subject to these proceedings on July 19, 2023. An affidavit of publication from the publication's legal clerk with a copy of the notice publication is attached as Exhibit F.

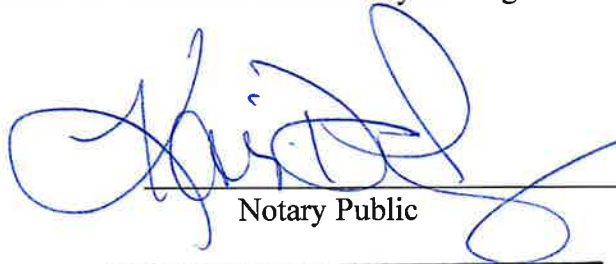

Adam G. Rankin

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. E
Submitted by: OXY USA INC.
Hearing Date: August 3, 2023
Case No. 23679

SUBSCRIBED AND SWORN to before me this 1st day of August 2023, by Adam G.
Rankin.

My Commission Expires:

06/28/26


Notary Public

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



Adam G. Rankin
Partner
Phone (505) 988-4421
Fax: (505) 9836043
agrarkin@hollandhart.com

July 14, 2023

VIA CERTIFIED MAIL
CERTIFIED RECEIPT REQUESTED

TO: ALL AFFECTED PARTIES

**Re: Application of OXY USA Inc. for Closed Loop Gas Capture Injection
Pilot Project, Eddy 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 August 3, 2023, and the status of the hearing can be monitored through the Division's website at <https://www.emnrd.nm.gov/ocd/>.

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

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

If you have any questions about this matter, please contact Stephen Janacek at 972-404-3722 or Stephen_Janacek@oxy.com.

Sincerely,

A handwritten signature in blue ink, appearing to read 'AG Rankin'.

Adam G. Rankin
ATTORNEY FOR OXY USA INC.

Enclosures

Location

110 North Guadalupe, Suite 1
Santa Fe, NM 87501-1849

Mailing Address

P.O. Box 2208
Santa Fe, NM 87504-2208

Contact

p: 505.988.4421 | f: 595.983.6043
www.hollandhart.com

Holland & Hart LLP Anchorage Aspen Billings Boise Boulder Cheyenne Denver Jackson Hole Las Vegas Reno Salt Lake City Santa Fe
Washington, D.C.

OXY - Turkey Track CLGC Case No. 23679
Postal Delivery Report

TrackingNo	ToName	DeliveryAddress	City	State	Zip	USPS_Status
9402811898765414074004	Bureau of Land Mangment	301 Dinosaur Trl	Santa Fe	NM	87508-1560	Your item was delivered to the front desk, reception area, or mail room at 12:26 pm on July 18, 2023 in SANTA FE, NM 87508.
9402811898765414074493	BMT O&G NM, LLC	201 Main St	Fort Worth	TX	76102-3105	Your item was delivered to an individual at the address at 10:10 am on July 21, 2023 in FORT WORTH, TX 76102.
9402811898765414074448	Burlington Resources Oil & Gas, L.P.	PO Box 4289	Farmington	NM	87499-4289	Your item departed our USPS facility in PHOENIX AZ DISTRIBUTION CENTER ANNEX on July 27, 2023 at 1:56 am. The item is currently in transit to the destination.
9402811898765414074486	Carolyn Read Beall	PO Box 3098	Midland	TX	79702-3098	Your item was picked up at the post office at 1:15 pm on July 20, 2023 in MIDLAND, TX 79701.
9402811898765414074431	David M. Stevens	3101 Diamond A Dr	Roswell	NM	88201-3420	Your item arrived at the ROSWELL, NM 88201 post office at 8:45 am on July 25, 2023 and is ready for pickup.
9402811898765414074479	EOG Resources Inc.	5509 Champions Dr	Midland	TX	79706-2843	Your item has been delivered to an agent for final delivery in MIDLAND, TX 79701 on July 19, 2023 at 7:55 am.
9402811898765414074516	Fuel Products Inc.	PO Box 3098	Midland	TX	79702-3098	Your item was picked up at the post office at 1:15 pm on July 20, 2023 in MIDLAND, TX 79701.
9402811898765414074561	Gahr Energy Company	PO Box 1889	Midland	TX	79702-1889	Your item was delivered to the front desk, reception area, or mail room at 11:30 am on July 25, 2023 in MIDLAND, TX 79701.
9402811898765414074509	HFB Investments Company LP	415 W Wall St Ste 1705	Midland	TX	79701-4433	This is a reminder to arrange for redelivery of your item or your item will be returned to sender.
9402811898765414074592	Howard H. Cone Trust A	1801 County Road 289	Georgetown	TX	78633-4049	This is a reminder to arrange for redelivery of your item or your item will be returned to sender.
9402811898765414074547	Jesse A Cone Trust A	5050 Clairemont Mesa Blvd Unit 4	San Diego	CA	92117-1434	Your item was delivered to an individual at the address at 12:40 pm on July 20, 2023 in SAN DIEGO, CA 92117.
9402811898765414074097	State Land Office	PO Box 1148	Santa Fe	NM	87504-1148	Your item was picked up at a postal facility at 11:37 am on July 19, 2023 in SANTA FE, NM 87501.
9402811898765414074585	John Robert Cone Trust A	3601 Aransas St	Corpus Christi	TX	78411-1303	Your item was delivered at 12:33 pm on July 22, 2023 in CORPUS CHRISTI, TX 78411.
9402811898765414074530	Kerr-McGee O/G Onshore, LP	5 Greenway Plz Ste 110	Houston	TX	77046-0521	Your item has been delivered to an agent for final delivery in HOUSTON, TX 77046 on July 19, 2023 at 9:16 am.
9402811898765414074578	Magnum Hunter Production, Inc.	15 E 5th St	Tulsa	OK	74103-4346	Your item was delivered to the front desk, reception area, or mail room at 9:44 am on July 19, 2023 in TULSA, OK 74103.
9402811898765414075254	Marathon Oil Co.	5555 San Felipe St	Houston	TX	77056-2701	Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.
9402811898765414075261	Mary Cone Lewis Trust A	4501 Upland Ave	Lubbock	TX	79407-5107	Your item was delivered to an individual at the address at 11:00 am on July 19, 2023 in LUBBOCK, TX 79407.
9402811898765414075223	Mewbourne Oil Company	500 W Texas Ave Ste 1020	Midland	TX	79701-4279	Your item was delivered to an individual at the address at 11:07 am on July 19, 2023 in MIDLAND, TX 79701.
9402811898765414075209	Neeco Inc.	PO Box 10847	Midland	TX	79702-7847	Your item was delivered to the front desk, reception area, or mail room at 10:58 am on July 21, 2023 in MIDLAND, TX 79701.
9402811898765414075292	New Mexico Western Minerals Inc.	PO Box 45750	Rio Rancho	NM	87174-5750	Your item was picked up at the post office at 11:41 am on July 19, 2023 in RIO RANCHO, NM 87124.
9402811898765414075247	Paul Slayton	PO Box 2035	Roswell	NM	88202-2035	Your item was picked up at the post office at 12:14 pm on July 19, 2023 in ROSWELL, NM 88201.
9402811898765414075230	Pivotal Permian Basin II LLC	2021 McKinney Ave Ste 1250	Dallas	TX	75201-7625	Your item was delivered to the front desk, reception area, or mail room at 1:27 pm on July 19, 2023 in DALLAS, TX 75201.
9402811898765414074042	Cimarex Energy Co. of Colorado	6001 Deauville	Midland	TX	79706-2671	Your item was delivered to an individual at the address at 11:14 am on July 19, 2023 in MIDLAND, TX 79706.
9402811898765414075810	Prince Petroleum LTD	306 W 7th St Ste 701	Fort Worth	TX	76102-4906	Your item was delivered to an individual at the address at 11:40 am on July 19, 2023 in FORT WORTH, TX 76102.
9402811898765414075865	Raisa II LLC	1560 Broadway Ste 2050	Denver	CO	80202-5168	Your item was delivered to an individual at the address at 4:57 pm on July 24, 2023 in ENGLEWOOD, CO 80111.

OXY - Turkey Track CLGC Case No. 23679
Postal Delivery Report

9402811898765414075896	Stevens Oil & Gas LLC	PO Box 3087	Roswell	NM	88202-3087	Your item was picked up at the post office at 2:57 pm on July 19, 2023 in ROSWELL, NM 88201.
9402811898765414075841	Tanza K. Brumfield	PO Box 10847	Midland	TX	79702-7847	Your item was delivered to the front desk, reception area, or mail room at 10:58 am on July 21, 2023 in MIDLAND, TX 79701.
9402811898765414075834	Terry A. Cone Trust A	991 Old Smith Rd	Fortson	GA	31808-4851	Your item was picked up at the post office at 4:26 pm on July 26, 2023 in FORTSON, GA 31808.
9402811898765414075759	Thomas M. Beall	PO Box 3098	Midland	TX	79702-3098	Your item was picked up at the post office at 1:15 pm on July 20, 2023 in MIDLAND, TX 79701.
9402811898765414075728	Trigg Family Trust	T J & Mary Ray Sivley	Roswell	NM	88202	Your item arrived at the SANTA FE, NM 87501 post office at 9:33 am on July 25, 2023 and is ready for pickup.
9402811898765414075797	V-F Petroleum Inc.	PO Box 1889	Midland	TX	79702-1889	Your item was picked up at the post office at 1:15 pm on July 20, 2023 in MIDLAND, TX 79701.
9402811898765414075735	WPX Energy Permian LLC	333 W Sheridan Ave	Oklahoma City	OK	73102-5010	Your item was picked up at a postal facility at 6:53 am on July 20, 2023 in OKLAHOMA CITY, OK 73102.
9402811898765414075919	XTO Delaware Basin, LLC	22777 Springwoods Village Pkwy	Spring	TX	77389-1425	Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.
9402811898765414074080	COG Operating LLC	600 W Illinois Ave	Midland	TX	79701-4882	Your item has been delivered to an agent for final delivery in MIDLAND, TX 79701 on July 19, 2023 at 7:57 am.
9402811898765414074073	Colgate Operating, LLC	300 N Marienfeld St Ste 1000	Midland	TX	79701-4688	Your item was delivered to an individual at the address at 11:08 am on July 19, 2023 in MIDLAND, TX 79701.
9402811898765414074417	Matador Production Company	5400 Lbj Fwy Ste 1500	Dallas	TX	75240-1017	Your item was delivered to the front desk, reception area, or mail room at 12:12 pm on July 19, 2023 in DALLAS, TX 75240.
9402811898765414074455	Mewbourne Oil Co	PO Box 5270	Hobbs	NM	88241-5270	Your item was picked up at a postal facility at 3:27 pm on July 20, 2023 in HOBBS, NM 88241.
9402811898765414074424	Bean Family Limited Company	PO Box 45750	Rio Rancho	NM	87174-5750	Your item was picked up at the post office at 11:41 am on July 19, 2023 in RIO RANCHO, NM 87124.
9402811898765414074400	Betty Read Young	PO Box 811	Roswell	NM	88202-0811	Your item was picked up at the post office at 12:30 pm on July 19, 2023 in ROSWELL, NM 88201.

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
July 19, 2023
and ending with the issue dated
July 19, 2023.


Publisher

Sworn and subscribed to before me this
19th day of July 2023.


Business Manager

My commission expires
January 29, 2027

(Seal) **STATE OF NEW MEXICO**
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

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

LEGAL NOTICE
July 19, 2023

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

The State of New Mexico, Energy Minerals and Natural Resources Department, Oil Conservation Division ("Division") hereby gives notice that the Division will hold public hearings before a hearing examiner on the following case. The hearing will be conducted remotely on Thursday, August 3, 2023, beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted below. The docket may be viewed at <https://www.emnrd.nm.gov/ocd/hearing-info/> or obtained from Marlene Salvidrez, at Marlene.Salvidrez@emnrd.nm.gov. Documents filed in the case may be viewed at <https://ocdimage.emnrd.nm.gov/Imaging/Default.aspx>. If you are an individual with a disability who needs a reader, amplifier, qualified sign language interpreter, or other form of auxiliary aid or service to attend or participate in a hearing, contact Marlene Salvidrez at Marlene.Salvidrez@emnrd.nm.gov, or the New Mexico Relay Network at 1-800-659-1779, no later than July 23, 2023.

Persons may view and participate in the hearings through the following link:

<https://nmemnrd.webex.com/nmemnrd/j.php?MTID=mc68e708eacdd7b63543532ae523b82>
Webinar number: 2480 139 3502

Join by video system: 24801393502@nmemnrd.webex.com
You can also dial 173.243.2.68 and enter your webinar number

Join by phone: 1-844-992-4726 United States Toll Free
+1-408-418-9388 United States Toll
Access code: 2480 139 3502

Panelist password: PGpPdJhW277 (74773549 from phones and video systems)

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

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

To: All affected interest owners, including: Bureau of Land Management; New Mexico State Land Office; Cimarex Energy Co. of Colorado; COG Operating LLC; Colgate Operating, LLC; Matador Production Company; Mewbourne Oil Co; Bean Family Limited Company; Betty Read Young, her heirs and devisees; BMT O&G NM, LLC; Burlington Resources Oil & Gas, L.P.; Carolyn Read Beall, her heirs and devisees; David M. Stevens, his heirs and devisees; EOG Resources Inc.; Fuel Products Inc.; Gahr Energy Company; HFB Investments Company LP; Howard H. Cone Trust A; Jesse A Cone Trust A; John Robert Cone Trust A; Kerr-McGee O/G Onshore, LP; Magnum Hunter Production, Inc.; Marathon Oil Co.; Mary Cone Lewis Trust A; Mewbourne Oil Company; Neeco Inc.; New Mexico Western Minerals Inc.; Paul Slayton, his heirs and devisees; Pivotal Permian Basin II LLC; Prince Petroleum LTD; Ralsa II LLC; Stevens Oil & Gas LLC; Tanza K. Brumfield; Terry A. Cone Trust A; Thomas M. Beall, his heirs and devisees; Trigg Family Trust; V-F Petroleum Inc.; WPX Energy Permian LLC; and XTO Delaware Basin, LLC.

Case No. 23679: Application of OXY USA Inc. for a Closed Loop Gas Capture Injection Pilot Project, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order authorizing it to engage in a closed loop gas capture injection pilot project ("Pilot Project") in the Bone Spring formation within a 3,821.32-acre, more or less, project area for this Pilot Project consisting of the following acreage identified below in Eddy County, New Mexico (the "Project Area"):

Township 19 South, Range 29 East

Section 3: All
Section 4: All
Section 7: All
Section 8: All
Section 9: All
Section 10: All

Applicant proposes to occasionally inject into the following producing 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:

- **Turkey Track 4-3 State 21H** (API No. 30-015-44396) with a surface location 1072 feet FNL and 110 feet FWL (Lot 4) in Section 4, Township 19 South, Range 29 East, and a bottom hole location 457 feet FNL and 21 feet FEL (Lot 1) in Section 3, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 4-3 State 22H** (API No. 30-015-44537) with a surface location 1107 feet FNL and 110 feet FWL (Lot 4) in Section 4, Township 19 South, Range 29 East, and a bottom hole location 1946 feet FNL and 24 feet FEL (Unit H) in Section 3, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 4-3 State 23H** (API No. 30-015-44517) with a surface location 1660 feet FSL and 360 feet FWL (Lot 4) in Section 4, Township 19 South, Range 29 East, and a bottom hole location 1790 feet FSL and 19 feet FEL (Lot 1) in Section 3, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 4-3 State 24H** (API No. 30-015-44518) with a surface location 1625 feet FSL and 360 feet FWL (Lot 4) in Section 4, Township 19 South, Range 29 East, and a bottom hole location 344 feet FSL and 20 feet FEL (Unit P) in Section 3, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 8-7 State 22H** (API No. 30-015-44142) with a surface location 1118 feet FNL and 70 feet FWL (Unit D) in Section 9, Township 19 South, Range 29 East, and a bottom hole location 1782 feet FNL and 188 feet FWL (Lot 2) in Section 7, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 8-7 State 23H** (API No. 30-015-44143) with a surface location 1254 feet FSL and 195 feet FWL (Unit M) in Section 9, Township 19 South, Range 29 East, and a bottom hole location 1999 feet FSL and 186 feet FWL (Lot 3) in Section 7, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 8-7 State 24H** (API No. 30-015-44145) with a surface location 1224 feet FSL and 195 feet FWL (Unit M) in Section 9, Township 19 South, Range 29 East, and a bottom hole location 524 feet FSL and 187 feet FWL (Lot 4) in Section 7, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 8-7 State 201H** (API No. 30-015-45681) with a surface location 1114 feet FNL and 475 feet FWL (Unit D) in Section 9, Township 19 South, Range 29 East, and a bottom hole location 345 feet FNL and 25 feet FWL (Lot 1) in Section 7, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 9-10 State 21H** (API No. 30-015-44117) with a surface location 2120 feet FNL and 395 feet FEL (Unit H) in Section 8, Township 19 South, Range 29 East, and a bottom hole location 942 feet FNL and 168 feet FEL (Unit A) in Section 10, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 9-10 State 22H** (API No. 30-015-44122) with a surface location 2150 feet FNL and 395 feet FEL (Unit H) in Section 8, Township 19 South, Range 29 East, and a bottom hole location 2288 feet FNL and 171 feet FEL (Unit H) in Section 10, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 9-10 State 23H** (API No. 30-015-44154) with a surface location 1195 feet FSL and 220 feet FEL (Unit P) in Section 8, Township 19 South, Range 29 East, and a bottom hole location 1203 feet FSL and 188 feet FEL (Unit I) in Section 10, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.
- **Turkey Track 9-10 State 24H** (API No. 30-015-44156) with a surface location 1165 feet FSL and 220 feet FEL (Unit P) in Section 8, Township 19 South, Range 29 East, and a bottom hole location 389 feet FSL and 203 feet FEL (Unit P) in Section 10, Township 19 South, Range 29 East, NMPM, Eddy County, New Mexico.

OXY seeks authority to utilize these producing wells to occasionally inject produced gas into the Bone Spring formation at total vertical depths of between approximately 7,505 feet to 7,983 feet along the horizontal portion of each wellbore at surface injection pressures of no more than 1,335 psi at an average injection rate of 3 MMSCF per day and a maximum injection rate of 5 MMSCF per day. The source of the produced gas will be from the Bone Spring and Wolfcamp formations. The subject acreage is located approximately 20 miles northeast of Carlsbad, New Mexico.
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