

RECEIVED: <u>3/7/18</u>	REVIEWER: <u>LRL</u>	TYPE: <u>NSL</u>	APP NO: <u>PLEL1807243684</u>
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

5/2/28/18

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

**ADMINISTRATIVE APPLICATION CHECKLIST**

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

Applicant: OXY USA Inc. **OGRID Number:** 16696
Well Name: Corral Canyon 36-25 Federal Com 25H **API:** 30-015-44635
Pool: Pierce Crossing; Bone Spring, East **Pool Code:** 96473

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

NSL-7682**1) TYPE OF APPLICATION:** Check those which apply for [A]

A. Location – Spacing Unit – Simultaneous Dedication

☒ NSL☐ NSP (PROJECT AREA)☐ NSP (PRORATION UNIT)☐ SD

B. Check one only for [I] or [II]

[I] Commingling – Storage – Measurement

☐ DHC☐ CTB☐ PLC☐ PC☐ OLS☐ OLM

[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery

☐ WFX☐ PMX☐ SWD☐ IPI☐ EOR☐ PPR**2) NOTIFICATION REQUIRED TO:** Check those which apply.A. ☒ Offset operators or lease holdersB. ☐ Royalty, overriding royalty owners, revenue ownersC. ☐ Application requires published noticeD. ☒ Notification and/or concurrent approval by SLOE. ☒ Notification and/or concurrent approval by BLMF. ☐ Surface ownerG. ☐ For all of the above, proof of notification or publication is attached, and/or,H. ☐ No notice required**FOR OCD ONLY**☐ Notice Complete
☐ Application
 Content
 Complete

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

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

Sarah Mitchell

Print or Type Name

Signature

3/6/2018

Date

432-699-4318

Phone Number

Sarah_mitchell@oxy.com

e-mail Address



OXY USA Inc

PO Box 50250
Midland, TX 79710-0250

March 6, 2017

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

Attention: Leonard Lowe

Re: *Application for Administrative Approval of Non-Standard Location –
Corral Canyon 36-25 Federal Com #25H – Pierce Crossing; Bone Spring, East
Surface – 940 FNL 1248 FEL Lot 1 Sec 1 T25S R29E
Top Perforation – 340 FSL 1260 FEL Unit P Sec 36 T24S R29E
Bottom Perforation – 340 FNL 1260 FEL Unit A Sec 25 T24S R29E
Bottom Hole – 180 FNL 1260 FEL Unit A Sec 25 T24S R29E
Eddy County, New Mexico*

Dear Mr. Lowe:

OXY USA Inc. respectfully requests administrative approval of a non-standard location on the Corral Canyon 36-25 Federal Com #25H well, API Number-30-015-44635, Property Code 320631. The #25H well is proposed to be completed in the Pierce Crossing; Bone Spring East pool, Pool Code 96473. This will be a horizontal well in a pool with no special rules for setback, so the setback requirements under Rule 19.15.15.9 (A) and 19.15.16.15 (B) would apply. The proposed producing interval is outside of the proposed Producing Area but within the proposed Project Area and will be drilled as follows:

Surface – 940 FNL 1248 FEL Lot 1 Sec 1 T25S R29E
Top Perforation – 340 FSL 1260 FEL Unit P Sec 36 T24S R29E
Bottom Perforation – 340 FNL 1260 FEL Unit A Sec 25 T24S R29E
Bottom Hole – 180 FNL 1260 FEL Unit A Sec 25 T24S R29E

The adjoining spacing units towards which the unorthodox location encroaches are located in T24S R29E, Section 24- Unit O, Section 25–Units B, G, J, O, Section 36- Units B, G, J, O and T25S-R30E, Section 1- Lot 2

Approval of the unorthodox producing interval will allow for efficient spacing of horizontal wells and thereby prevent waste.

To support this request, the following information has been submitted for your review:

1. Application for Permit to Drill.
2. C-102 Plat for the proposed well and additional plats with offsetting well and affected spacing units.
3. List of affected offset parties that adjoin the non-standard, copies of the signed certified return receipts will be furnished upon request.
4. Proposed Directional Survey
5. Statement from Oxy Production Engineer

If you need any additional information, please call me at 432-699-4318.

Sincerely,


Sarah Mitchell
Regulatory Specialist
OXY USA Inc.

Attachments

CC: NMOCD-Artesia, BLM-Carlsbad, Service List



OXY USA Inc.

PO Box 50250
Midland, TX 79710-0250

March 6, 2017

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Re: *Application for Administrative Approval of Non-Standard Location –
Corral Canyon 36-25 Federal Com #25H – Pierce Crossing; Bone Spring, East
Surface – 940 FNL 1248 FEL Lot 1 Sec 1 T25S R29E
Top Perforation – 340 FSL 1260 FEL Unit P Sec 36 T24S R29E
Bottom Perforation – 340 FNL 1260 FEL Unit A Sec 25 T24S R29E
Bottom Hole – 180 FNL 1260 FEL Unit A Sec 25 T24S R29E
Eddy County, New Mexico*

Ladies and Gentlemen:

Enclosed is a copy of an application, filed with the New Mexico Oil Conservation Division by OXY USA Inc., requesting administrative approval for a non-standard location. As an affected party, notice is being provided to you pursuant to Rule 19.15.15.9 (A) and 19.15.16.15 (B). The well is located as follows:

Surface – 940 FNL 1248 FEL Lot 1 Sec 1 T25S R29E
Top Perforation – 340 FSL 1260 FEL Unit P Sec 36 T24S R29E
Bottom Perforation – 340 FNL 1260 FEL Unit A Sec 25 T24S R29E
Bottom Hole – 180 FNL 1260 FEL Unit A Sec 25 T24S R29E
Eddy County, New Mexico

If you object to the well's location, you must notify the Division in writing no later than 20 days from the date the application is received by the NMOCD (1220 South St. Francis Drive, Santa Fe, NM 87505; Attention: Leonard Lowe).

If you need any additional information, you can contact John Schneider, CPL at 713-366-5330 or myself at 432-699-4318.

Sincerely,

Sarah Mitchell
Regulatory Specialist
OXY USA Inc.

Attachments

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

5. Lease Serial No.
NMNM59386

6. If Indian, Allottee or Tribe Name

1a. Type of work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator
OXY USA INCORPORATED

3a. Address
5 Greenway Plaza, Suite 110 Houston TX 770

3b. Phone No. (include area code)
(713)366-5716

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface **LOT 1 / 940 FNL / 1248 FEL / LAT 32.1639875 / LONG -103.9334882**
At proposed prod. zone **NENE / 180 FNL / 1260 FEL / LAT 32.1951488 / LONG -103.9335464**

14. Distance in miles and direction from nearest town or post office*
8 miles

10. Field and Pool, or Exploratory
PIERCE CROSSING BONE SPRING, E/

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 1 / T25S / R29E / NMP

12. County or Parish
EDDY

13. State
NM

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drg. unit line, if any)
50 feet

16. No. of acres in lease
240

17. Spacing Unit dedicated to this well
320

18. Distance from proposed location*
to nearest well, drilling, completed, 35 feet
applied for, on this lease, ft.

19. Proposed Depth
9169 feet / 19338 feet

20. BLM/BIA Bond No. on file
FED: ESB000226

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3136 feet

22. Approximate date work will start*
06/14/2018

23. Estimated duration
20 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

- | | |
|---|---|
| <ul style="list-style-type: none"> 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | <ul style="list-style-type: none"> 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 5. Operator certification 6. Such other site specific information and/or plans as may be required by the BLM. |
|---|---|

25. Signature
(Electronic Submission)

Name (Printed/Typed)
David Stewart / Ph: (713)366-5716

Date
10/23/2017

Title

Sr. Regulatory Advisor

Approved by (Signature)
(Electronic Submission)

Name (Printed/Typed)
Cody Layton / Ph: (575)234-5959

Date
01/11/2018

Title

Supervisor Multiple Resources

Office
CARLSBAD

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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

(Continued on page 2)

*(Instructions on page 2)

APPROVED WITH CONDITIONS

Approval Date: 01/11/2018

OXY USA INC.

CORRAL CANYON "36-25" FEDERAL COM #25H
SECTIONS 24, 25 & 36, T24S, R 29E, SECTIONS 19, 30 & 31,
T24S, R30E, SECTION 1, T25S, R29E AND SECTION 6,
T25S, R30E, N.M.P.M., EDDY COUNTY, NEW MEXICO



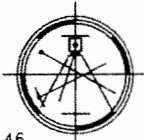
SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS.

Terry J. Asel 3/7/2018
Terry J. Asel N.M.P.L.S. No. 15079

Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR
HOBBS, NEW MEXICO - 575-393-9146

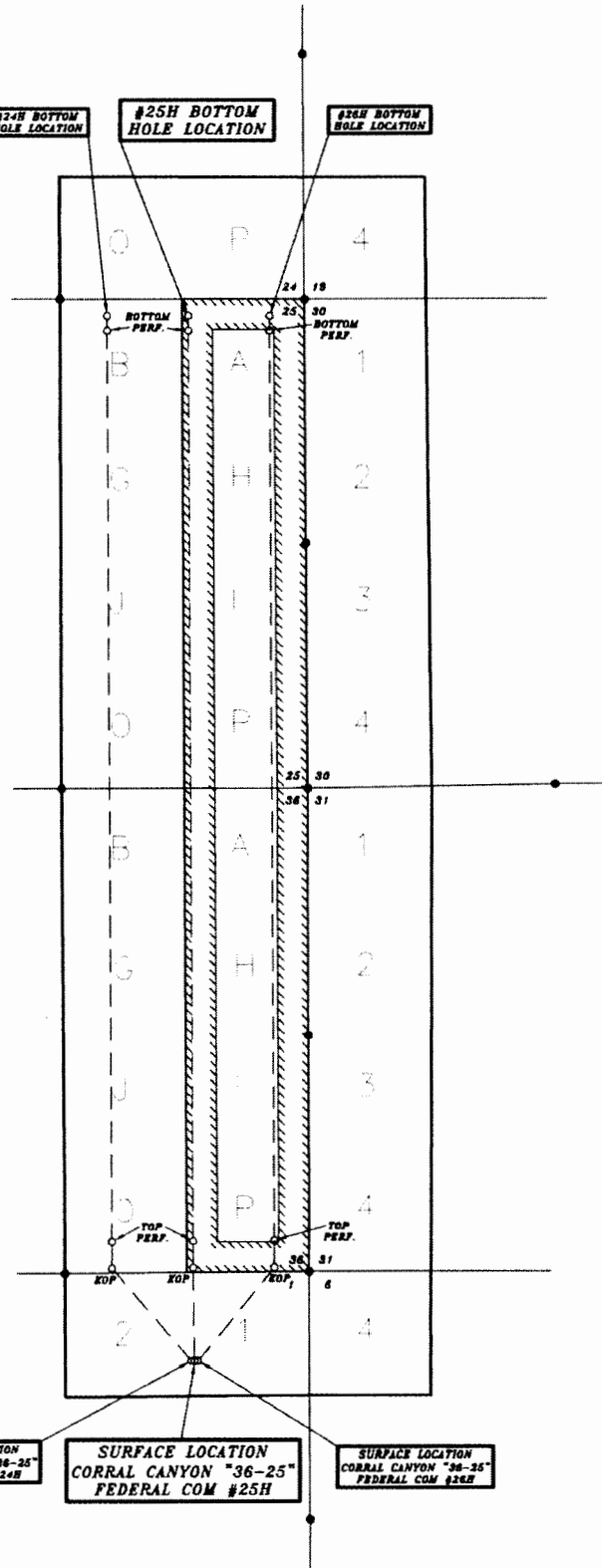


2000' 0 2000' 4000' FEET
SCALE: 1"=2000'

SURFACE LOCATION
CORRAL CANYON "36-25"
FEDERAL COM #24H

SURFACE LOCATION
CORRAL CANYON "36-25"
FEDERAL COM #25H

SURFACE LOCATION
CORRAL CANYON "36-25"
FEDERAL COM #26H



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) 476-3463

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015	Pool Code 96473	Pool Name Pierce Crossing Bone Springs, East
Property Code	Property Name CORRAL CANYON "36-25" FEDERAL COM	Well Number 25H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3135.6'

Surface Location

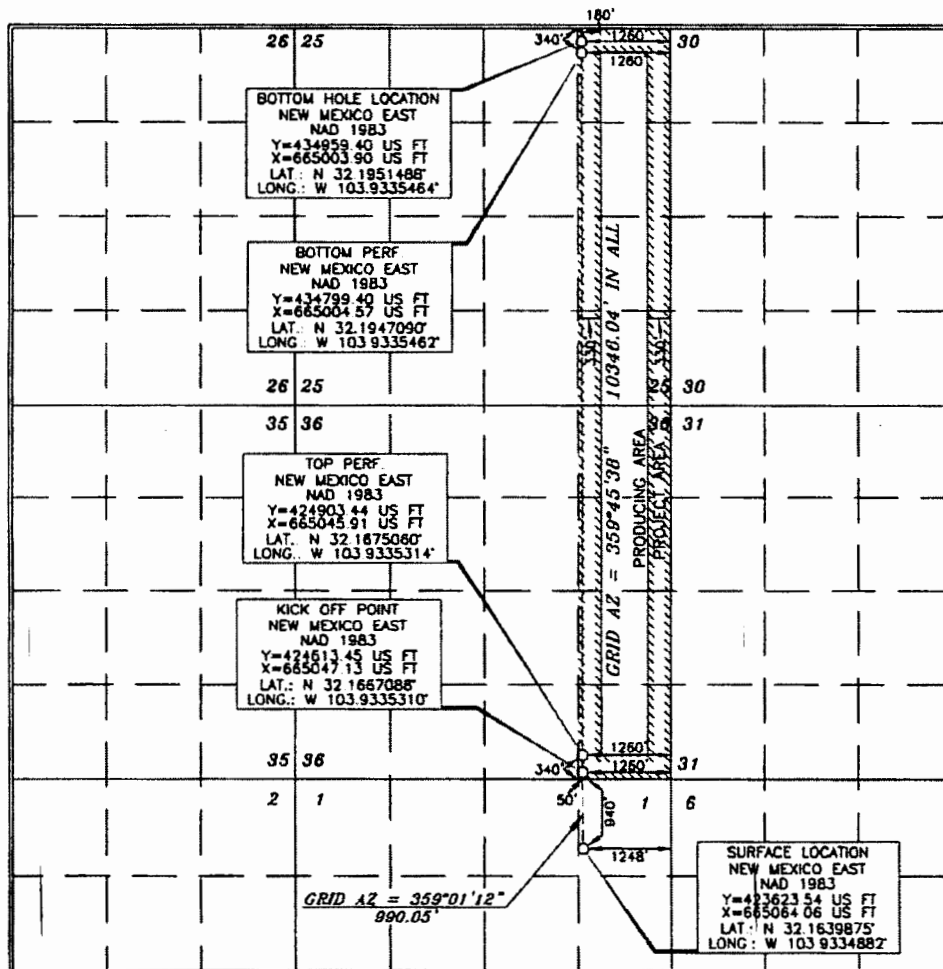
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
1	1	25 SOUTH	29 EAST, N.M.P.M.		940'	NORTH	1248'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
A	25	24 SOUTH	29 EAST, N.M.P.M.		180'	NORTH	1260'	EAST	EDDY

Dedicated Acres 320	Joint or Infill Y	Consolidation Code	Order No. NSL will be filed
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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 that 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: *David Stewart* Date: **10/20/17**
Printed Name: **David Stewart Sr. Reg. Adv.**
E-mail Address: **david_stewart@oxy.com**

SURVEYOR CERTIFICATION

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

Date of Survey: **AUGUST 11, 2017**
Signature and Seal of Professional Surveyor: *Terry J. As...*
Certificate Number: **15079**

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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811 S. First St., Artesia, NM 88210
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OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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Revised August 1, 2011
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-	Pool Code 96473	Pool Name Pierce Crossing Bone Spring, East
Property Code	Property Name CORRAL CANYON "36-25" FEDERAL COM	Well Number 24H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3135.9'

Surface Location

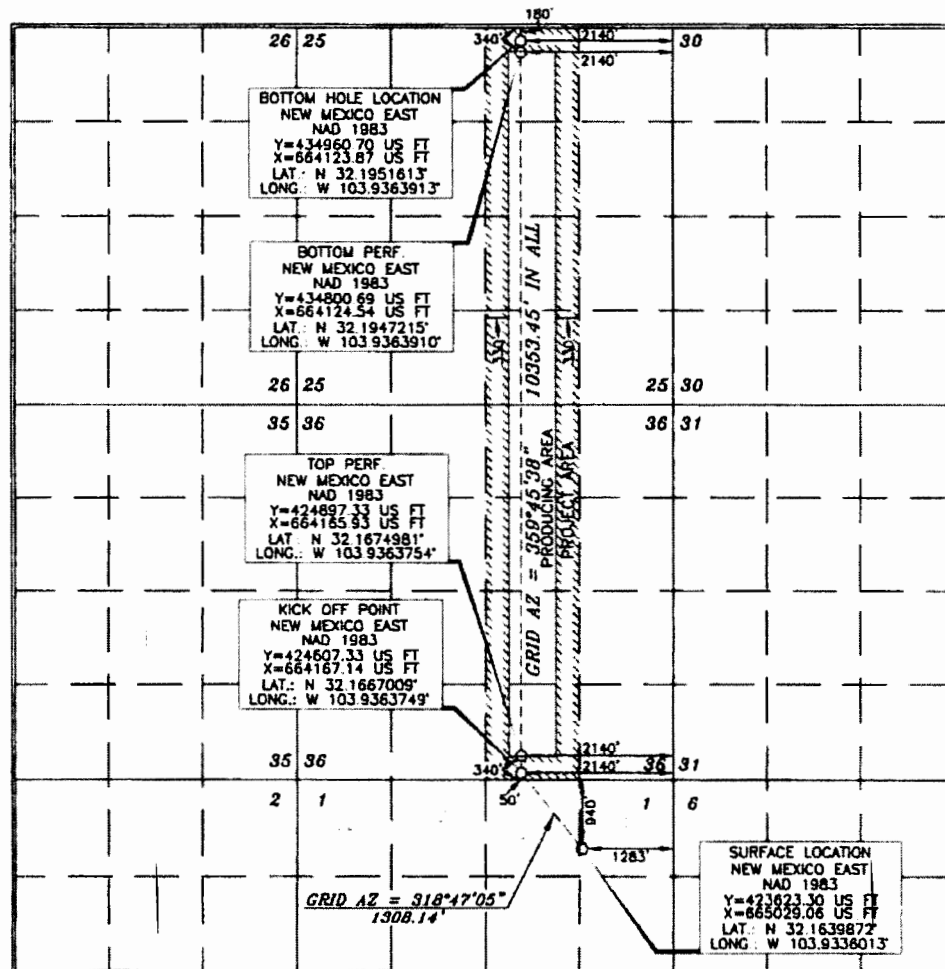
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	1	25 SOUTH	29 EAST, N.M.P.M.		940'	NORTH	1283'	EAST	EDDY

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
B	25	24 SOUTH	29 EAST, N.M.P.M.		180'	NORTH	2140'	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320	Y		

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.

David Stewart 10/18/17
Signature Date
David Stewart SR. Reg. Geo.
Printed Name
david.stewart@oxy.com
E-mail Address

SURVEYOR CERTIFICATION

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

ERRY J. AS
15079
AUGUST 14, 2017
Date of Survey
Signature and Seal
Professional Surveyor

Tony J. Asch 9/26/17
Certificate Number 15079

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Phone: (575) 393-6161 Fax: (575) 393-0720
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OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30015-	Pool Code 96473	Pool Name Pierce Crossing Bone Spring, East
Property Code	Property Name CORRAL CANYON "36-25" FEDERAL COM	Well Number 26H
OGRID No. 16516	Operator Name OXY USA INC.	Elevation 3136.0'

Surface Location

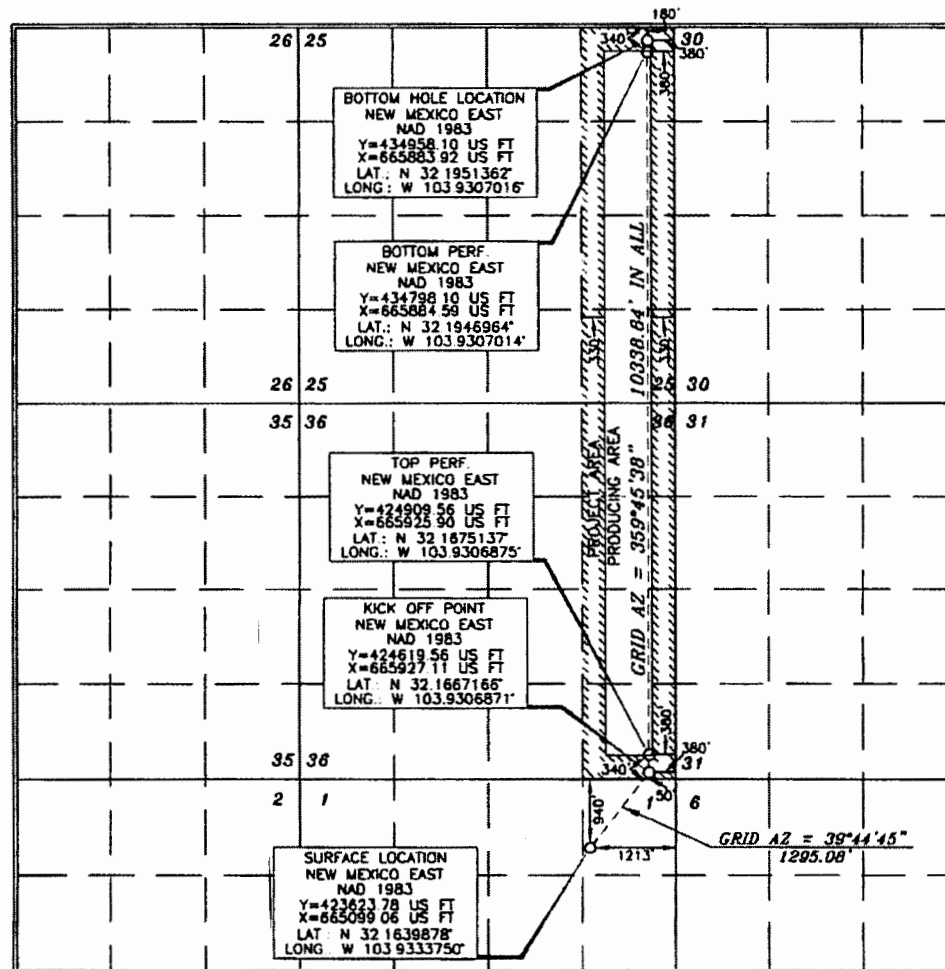
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	1	25 SOUTH	29 EAST, N.M.P.M		940'	NORTH	1213'	EAST	EDDY

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	25	24 SOUTH	29 EAST, N.M.P.M.		180'	NORTH	380'	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320	Y		

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.

Signature: *David Stewart* Date: **10/20/17**
Printed Name: **David Stewart Sr. Reg. Adv.**
E-mail Address: **david_stewart@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.

Date of Survey: **AUGUST 14, 2017**
Signature and Seal of Professional Land Surveyor: *[Signature]*
Certificate Number: **15079**

Application Non-Standard Location - Service List

1

OXY USA Inc.

Corral Canyon 36-25 Federal Com #25H

New Mexico Oil Conservation Division
811 S. First St.
Artesia, NM 88210
7017-0190-0000-4588-1238

New Mexico State Land Office
P. O. Box 1148
Santa Fe, NM 87504
7017-0190-0000-4588-1245

New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
7017-0190-0000-4588-1221

United States Dept of Interior
Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220
7017-0190-0000-4588-1252

T24S-R29E

Section 25: Units B, G, J, O

Section 36: Units B, J, O

OXY USA Inc.
P.O. Box 50250
Midland, Texas 79710

T25S R29E, Eddy County

Section 1 - Lot 2

OXY Y-1 Company
P.O. Box 50250
Midland, Texas 79710

EOG Y Resources Inc.
5509 Champions Drive
Midland, Texas 79706
7017-0190-0000-4588-1320

T24S R29E, Eddy County

Section 24: Unit O, Section 36: Unit G

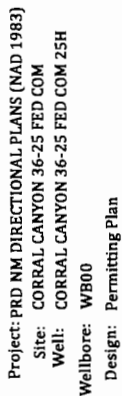
XTO Resources Inc.
810 Houston Street
Fort Worth Texas 76102
7017-0190-0000-4588-1337

Copies of this application were mailed to the following individuals, companies and organizations on or before

06-Mar-2017

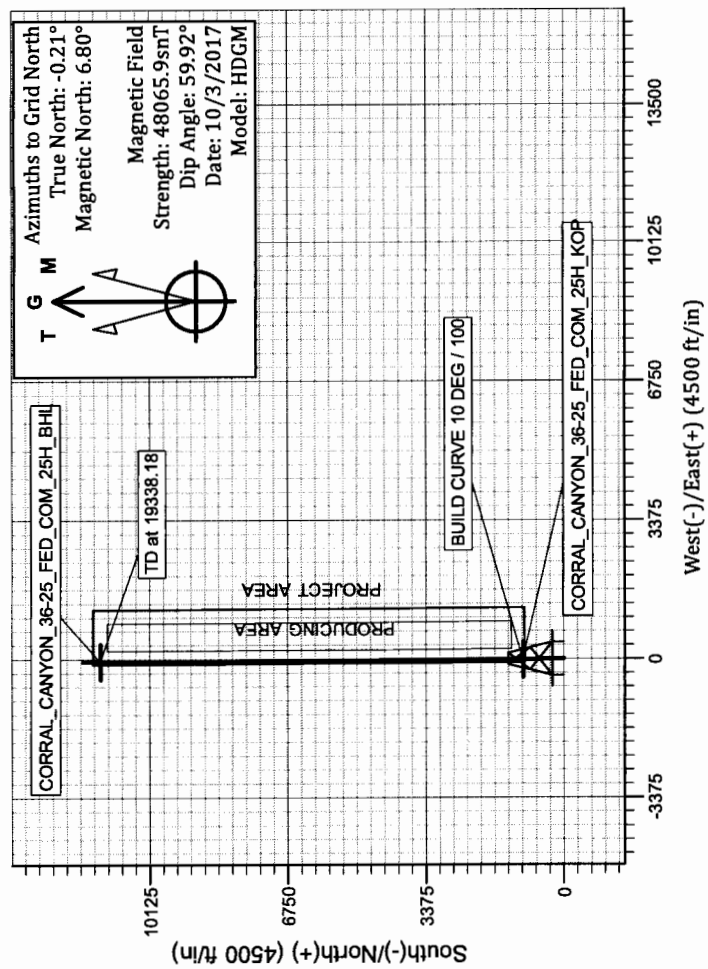
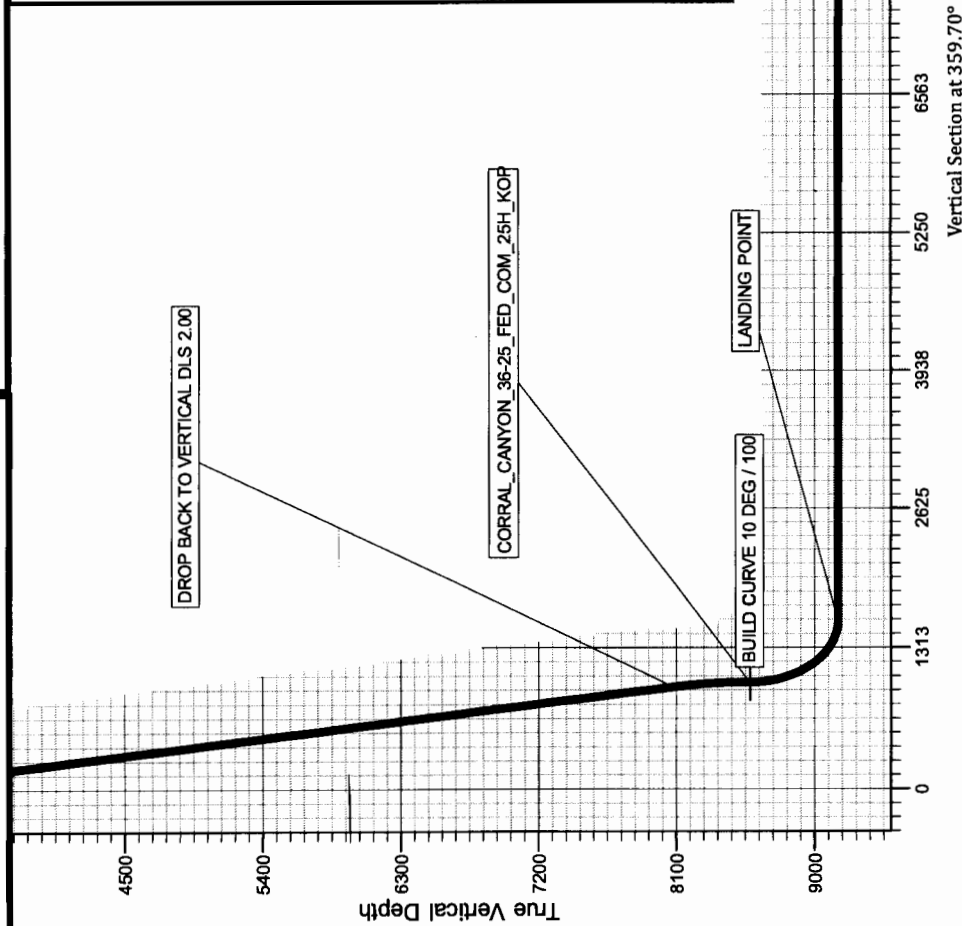


Sarah Mitchell
OXY USA Inc.



WELL DETAILS: CORRAL CANYON 36-25 FED COM 25H

+N/-S	+E/-W	Northing	Ground Level: 3135.60	
0.00	0.00	423623.54	Easting	Longitude
			665064.06	32° 9' 50.354940 N
			Datum @ 3162.10ft	103° 56' 0.557357 W



PROJECT DETAILS NM DIRECTIONAL PLANS (NAD 1983)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

SECTION DETAILS

Sec	M Φ	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSEct	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	2475.00	0.00	0.00	2475.00	0.00	0.00	0.00	0.00	0.00		STEP OUT DLS 2.00
3	2976.11	10.02	359.02	2973.55	43.71	-0.75	2.00	359.02	43.71		HOLD 10 DEG TANGENT
4	8163.19	10.02	359.02	8081.49	946.28	-16.18	0.00	0.00	946.35		DROP BACK TO VERTICAL DLS 2.00
5	8664.30	0.00	359.76	8580.04	989.98	-16.93	2.00	180.00	990.06		BUILD CURVE 10 DEG / 100
6	9564.30	90.00	359.76	9153.00	1562.94	-19.33	10.00	-0.24	1563.02		LANDING POINT
7	19338.18	89.81	359.76	9169.00	11336.71	-60.16	0.00	180.00	11336.87		TD at 19338.18

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well CORRAL CANYON 36-25 FED COM 25H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3162.10ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3162.10ft
Site:	CORRAL CANYON 36-25 FED COM	North Reference:	Grid
Well:	CORRAL CANYON 36-25 FED COM 25H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Project	PRD NM DIRECTIONAL PLANS (NAD 1983)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		Using geodetic scale factor

Site	CORRAL CANYON 36-25 FED COM				
Site Position:	Northing:	424,164.47 usft	Latitude:	32° 9' 55.801317 N	
From:	Map	Easting:	662,497.64 usft	Longitude:	103° 56' 30.391750 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.21 °

Well	CORRAL CANYON 36-25 FED COM 25H					
Well Position	+N/-S	-540.97 ft	Northing:	423,623.54 usft	Latitude:	32° 9' 50.354940 N
	+E/-W	2,566.62 ft	Easting:	665,064.06 usft	Longitude:	103° 56' 0.557357 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	3,135.60 ft	

Wellbore	WB00				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	10/3/2017	7.02	59.92	48,066

Design	Permitting Plan				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	359.70	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,475.00	0.00	0.01	2,475.00	0.00	0.00	0.00	0.00	0.00	0.01	
2,976.11	10.02	359.02	2,973.55	43.71	-0.75	2.00	2.00	0.00	359.02	
8,163.19	10.02	359.02	8,081.49	946.28	-16.18	0.00	0.00	0.00	0.00	
8,664.30	0.00	359.76	8,580.04	989.98	-16.93	2.00	-2.00	0.00	180.00	CORRAL_CANYON
9,564.30	90.00	359.76	9,153.00	1,562.94	-19.33	10.00	10.00	0.00	-0.24	
19,338.18	89.81	359.76	9,169.00	11,336.71	-60.16	0.00	0.00	0.00	180.00	CORRAL_CANYON

Oxy Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Well CORRAL CANYON 36-25 FED COM 25H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3162.10ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3162.10ft
Site:	CORRAL CANYON 36-25 FED COM	North Reference:	Grid
Well:	CORRAL CANYON 36-25 FED COM 25H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,475.00	0.00	0.01	2,475.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.50	359.02	2,500.00	0.11	0.00	0.11	2.00	2.00	0.00
2,600.00	2.50	359.02	2,599.96	2.73	-0.05	2.73	2.00	2.00	0.00
2,700.00	4.50	359.02	2,699.77	8.83	-0.15	8.83	2.00	2.00	0.00
2,800.00	6.50	359.02	2,799.30	18.41	-0.31	18.41	2.00	2.00	0.00
2,900.00	8.50	359.02	2,898.44	31.46	-0.54	31.47	2.00	2.00	0.00
2,976.11	10.02	359.02	2,973.55	43.71	-0.75	43.71	2.00	2.00	0.00
3,000.00	10.02	359.02	2,997.08	47.87	-0.82	47.87	0.00	0.00	0.00
3,100.00	10.02	359.02	3,095.56	65.27	-1.12	65.27	0.00	0.00	0.00
3,200.00	10.02	359.02	3,194.03	82.67	-1.41	82.67	0.00	0.00	0.00
3,300.00	10.02	359.02	3,292.51	100.07	-1.71	100.07	0.00	0.00	0.00
3,400.00	10.02	359.02	3,390.98	117.47	-2.01	117.48	0.00	0.00	0.00
3,500.00	10.02	359.02	3,489.45	134.87	-2.31	134.88	0.00	0.00	0.00
3,600.00	10.02	359.02	3,587.93	152.27	-2.60	152.28	0.00	0.00	0.00
3,700.00	10.02	359.02	3,686.40	169.67	-2.90	169.68	0.00	0.00	0.00
3,800.00	10.02	359.02	3,784.88	187.07	-3.20	187.08	0.00	0.00	0.00
3,900.00	10.02	359.02	3,883.35	204.47	-3.50	204.48	0.00	0.00	0.00
4,000.00	10.02	359.02	3,981.82	221.87	-3.79	221.89	0.00	0.00	0.00
4,100.00	10.02	359.02	4,080.30	239.27	-4.09	239.29	0.00	0.00	0.00
4,200.00	10.02	359.02	4,178.77	256.67	-4.39	256.69	0.00	0.00	0.00
4,300.00	10.02	359.02	4,277.25	274.07	-4.69	274.09	0.00	0.00	0.00
4,400.00	10.02	359.02	4,375.72	291.47	-4.98	291.49	0.00	0.00	0.00
4,500.00	10.02	359.02	4,474.20	308.87	-5.28	308.89	0.00	0.00	0.00
4,600.00	10.02	359.02	4,572.67	326.27	-5.58	326.30	0.00	0.00	0.00
4,700.00	10.02	359.02	4,671.14	343.67	-5.88	343.70	0.00	0.00	0.00
4,800.00	10.02	359.02	4,769.62	361.07	-6.18	361.10	0.00	0.00	0.00
4,900.00	10.02	359.02	4,868.09	378.47	-6.47	378.50	0.00	0.00	0.00
5,000.00	10.02	359.02	4,966.57	395.87	-6.77	395.90	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well CORRAL CANYON 36-25 FED COM 25H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3162.10ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3162.10ft
Site:	CORRAL CANYON 36-25 FED COM	North Reference:	Grid
Well:	CORRAL CANYON 36-25 FED COM 25H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.00	10.02	359.02	5,065.04	413.27	-7.07	413.30	0.00	0.00	0.00
5,200.00	10.02	359.02	5,163.51	430.67	-7.37	430.71	0.00	0.00	0.00
5,300.00	10.02	359.02	5,261.99	448.07	-7.66	448.11	0.00	0.00	0.00
5,400.00	10.02	359.02	5,360.46	465.47	-7.96	465.51	0.00	0.00	0.00
5,500.00	10.02	359.02	5,458.94	482.87	-8.26	482.91	0.00	0.00	0.00
5,600.00	10.02	359.02	5,557.41	500.27	-8.56	500.31	0.00	0.00	0.00
5,700.00	10.02	359.02	5,655.88	517.67	-8.85	517.71	0.00	0.00	0.00
5,800.00	10.02	359.02	5,754.36	535.07	-9.15	535.12	0.00	0.00	0.00
5,900.00	10.02	359.02	5,852.83	552.47	-9.45	552.52	0.00	0.00	0.00
6,000.00	10.02	359.02	5,951.31	569.87	-9.75	569.92	0.00	0.00	0.00
6,100.00	10.02	359.02	6,049.78	587.28	-10.04	587.32	0.00	0.00	0.00
6,200.00	10.02	359.02	6,148.25	604.68	-10.34	604.72	0.00	0.00	0.00
6,300.00	10.02	359.02	6,246.73	622.08	-10.64	622.12	0.00	0.00	0.00
6,400.00	10.02	359.02	6,345.20	639.48	-10.94	639.52	0.00	0.00	0.00
6,500.00	10.02	359.02	6,443.68	656.88	-11.23	656.93	0.00	0.00	0.00
6,600.00	10.02	359.02	6,542.15	674.28	-11.53	674.33	0.00	0.00	0.00
6,700.00	10.02	359.02	6,640.62	691.68	-11.83	691.73	0.00	0.00	0.00
6,800.00	10.02	359.02	6,739.10	709.08	-12.13	709.13	0.00	0.00	0.00
6,900.00	10.02	359.02	6,837.57	726.48	-12.42	726.53	0.00	0.00	0.00
7,000.00	10.02	359.02	6,936.05	743.88	-12.72	743.93	0.00	0.00	0.00
7,100.00	10.02	359.02	7,034.52	761.28	-13.02	761.34	0.00	0.00	0.00
7,200.00	10.02	359.02	7,132.99	778.68	-13.32	778.74	0.00	0.00	0.00
7,300.00	10.02	359.02	7,231.47	796.08	-13.61	796.14	0.00	0.00	0.00
7,400.00	10.02	359.02	7,329.94	813.48	-13.91	813.54	0.00	0.00	0.00
7,500.00	10.02	359.02	7,428.42	830.88	-14.21	830.94	0.00	0.00	0.00
7,600.00	10.02	359.02	7,526.89	848.28	-14.51	848.34	0.00	0.00	0.00
7,700.00	10.02	359.02	7,625.37	865.68	-14.81	865.75	0.00	0.00	0.00
7,800.00	10.02	359.02	7,723.84	883.08	-15.10	883.15	0.00	0.00	0.00
7,900.00	10.02	359.02	7,822.31	900.48	-15.40	900.55	0.00	0.00	0.00
8,000.00	10.02	359.02	7,920.79	917.88	-15.70	917.95	0.00	0.00	0.00
8,100.00	10.02	359.02	8,019.26	935.28	-16.00	935.35	0.00	0.00	0.00
8,163.19	10.02	359.02	8,081.49	946.28	-16.18	946.35	0.00	0.00	0.00
8,200.00	9.29	359.02	8,117.78	952.45	-16.29	952.52	2.00	-2.00	0.00
8,300.00	7.29	359.02	8,216.73	966.86	-16.54	966.93	2.00	-2.00	0.00
8,400.00	5.29	359.02	8,316.12	977.80	-16.72	977.88	2.00	-2.00	0.00
8,500.00	3.29	359.02	8,415.84	985.28	-16.85	985.35	2.00	-2.00	0.00
8,600.00	1.29	359.02	8,515.75	989.26	-16.92	989.34	2.00	-2.00	0.00
8,664.30	0.00	359.76	8,580.04	989.98	-16.93	990.06	2.00	-2.00	0.00
8,700.00	3.57	359.76	8,615.72	991.10	-16.94	991.17	10.00	10.00	0.00
8,800.00	13.57	359.76	8,714.48	1,005.98	-17.00	1,006.06	10.00	10.00	0.00
8,900.00	23.57	359.76	8,809.15	1,037.79	-17.13	1,037.86	10.00	10.00	0.00
9,000.00	33.57	359.76	8,896.87	1,085.55	-17.33	1,085.63	10.00	10.00	0.00
9,100.00	43.57	359.76	8,974.95	1,147.82	-17.59	1,147.89	10.00	10.00	0.00
9,200.00	53.57	359.76	9,041.04	1,222.70	-17.90	1,222.78	10.00	10.00	0.00
9,300.00	63.57	359.76	9,093.12	1,307.92	-18.26	1,308.00	10.00	10.00	0.00
9,400.00	73.57	359.76	9,129.60	1,400.88	-18.65	1,400.96	10.00	10.00	0.00
9,500.00	83.57	359.76	9,149.40	1,498.78	-19.06	1,498.86	10.00	10.00	0.00
9,564.30	90.00	359.76	9,153.00	1,562.94	-19.33	1,563.02	10.00	10.00	0.00
9,600.00	90.00	359.76	9,153.00	1,598.64	-19.47	1,598.72	0.00	0.00	0.00
9,700.00	90.00	359.76	9,153.00	1,698.64	-19.89	1,698.72	0.00	0.00	0.00
9,800.00	90.00	359.76	9,153.01	1,798.64	-20.31	1,798.72	0.00	0.00	0.00
9,900.00	89.99	359.76	9,153.02	1,898.64	-20.73	1,898.72	0.00	0.00	0.00
10,000.00	89.99	359.76	9,153.03	1,998.64	-21.15	1,998.72	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well CORRAL CANYON 36-25 FED COM 25H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3162.10ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3162.10ft
Site:	CORRAL CANYON 36-25 FED COM	North Reference:	Grid
Well:	CORRAL CANYON 36-25 FED COM 25H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,100.00	89.99	359.76	9,153.05	2,098.64	-21.56	2,098.72	0.00	0.00	0.00
10,200.00	89.99	359.76	9,153.07	2,198.64	-21.98	2,198.72	0.00	0.00	0.00
10,300.00	89.99	359.76	9,153.09	2,298.63	-22.40	2,298.72	0.00	0.00	0.00
10,400.00	89.98	359.76	9,153.12	2,398.63	-22.82	2,398.72	0.00	0.00	0.00
10,500.00	89.98	359.76	9,153.15	2,498.63	-23.24	2,498.72	0.00	0.00	0.00
10,600.00	89.98	359.76	9,153.18	2,598.63	-23.65	2,598.72	0.00	0.00	0.00
10,700.00	89.98	359.76	9,153.22	2,698.63	-24.07	2,698.72	0.00	0.00	0.00
10,800.00	89.98	359.76	9,153.26	2,798.63	-24.49	2,798.72	0.00	0.00	0.00
10,900.00	89.97	359.76	9,153.30	2,898.63	-24.91	2,898.72	0.00	0.00	0.00
11,000.00	89.97	359.76	9,153.35	2,998.63	-25.32	2,998.72	0.00	0.00	0.00
11,100.00	89.97	359.76	9,153.40	3,098.63	-25.74	3,098.72	0.00	0.00	0.00
11,200.00	89.97	359.76	9,153.45	3,198.63	-26.16	3,198.72	0.00	0.00	0.00
11,300.00	89.97	359.76	9,153.50	3,298.63	-26.58	3,298.72	0.00	0.00	0.00
11,400.00	89.96	359.76	9,153.56	3,398.62	-27.00	3,398.72	0.00	0.00	0.00
11,500.00	89.96	359.76	9,153.63	3,498.62	-27.41	3,498.72	0.00	0.00	0.00
11,600.00	89.96	359.76	9,153.69	3,598.62	-27.83	3,598.72	0.00	0.00	0.00
11,700.00	89.96	359.76	9,153.76	3,698.62	-28.25	3,698.72	0.00	0.00	0.00
11,800.00	89.96	359.76	9,153.84	3,798.62	-28.67	3,798.72	0.00	0.00	0.00
11,900.00	89.96	359.76	9,153.91	3,898.62	-29.08	3,898.72	0.00	0.00	0.00
12,000.00	89.95	359.76	9,153.99	3,998.62	-29.50	3,998.72	0.00	0.00	0.00
12,100.00	89.95	359.76	9,154.08	4,098.62	-29.92	4,098.72	0.00	0.00	0.00
12,200.00	89.95	359.76	9,154.16	4,198.62	-30.34	4,198.72	0.00	0.00	0.00
12,300.00	89.95	359.76	9,154.25	4,298.62	-30.76	4,298.72	0.00	0.00	0.00
12,400.00	89.95	359.76	9,154.35	4,398.62	-31.17	4,398.72	0.00	0.00	0.00
12,500.00	89.94	359.76	9,154.44	4,498.61	-31.59	4,498.72	0.00	0.00	0.00
12,600.00	89.94	359.76	9,154.54	4,598.61	-32.01	4,598.72	0.00	0.00	0.00
12,700.00	89.94	359.76	9,154.65	4,698.61	-32.43	4,698.72	0.00	0.00	0.00
12,800.00	89.94	359.76	9,154.75	4,798.61	-32.85	4,798.72	0.00	0.00	0.00
12,900.00	89.94	359.76	9,154.86	4,898.61	-33.26	4,898.72	0.00	0.00	0.00
13,000.00	89.93	359.76	9,154.98	4,998.61	-33.68	4,998.72	0.00	0.00	0.00
13,100.00	89.93	359.76	9,155.09	5,098.61	-34.10	5,098.72	0.00	0.00	0.00
13,200.00	89.93	359.76	9,155.21	5,198.61	-34.52	5,198.72	0.00	0.00	0.00
13,300.00	89.93	359.76	9,155.34	5,298.61	-34.93	5,298.72	0.00	0.00	0.00
13,400.00	89.93	359.76	9,155.46	5,398.61	-35.35	5,398.72	0.00	0.00	0.00
13,500.00	89.92	359.76	9,155.59	5,498.61	-35.77	5,498.72	0.00	0.00	0.00
13,600.00	89.92	359.76	9,155.73	5,598.60	-36.19	5,598.72	0.00	0.00	0.00
13,700.00	89.92	359.76	9,155.86	5,698.60	-36.61	5,698.72	0.00	0.00	0.00
13,800.00	89.92	359.76	9,156.00	5,798.60	-37.02	5,798.72	0.00	0.00	0.00
13,900.00	89.92	359.76	9,156.15	5,898.60	-37.44	5,898.72	0.00	0.00	0.00
14,000.00	89.91	359.76	9,156.30	5,998.60	-37.86	5,998.72	0.00	0.00	0.00
14,100.00	89.91	359.76	9,156.45	6,098.60	-38.28	6,098.72	0.00	0.00	0.00
14,200.00	89.91	359.76	9,156.60	6,198.60	-38.70	6,198.72	0.00	0.00	0.00
14,300.00	89.91	359.76	9,156.76	6,298.60	-39.11	6,298.72	0.00	0.00	0.00
14,400.00	89.91	359.76	9,156.92	6,398.60	-39.53	6,398.72	0.00	0.00	0.00
14,500.00	89.91	359.76	9,157.08	6,498.60	-39.95	6,498.72	0.00	0.00	0.00
14,600.00	89.90	359.76	9,157.25	6,598.59	-40.37	6,598.72	0.00	0.00	0.00
14,700.00	89.90	359.76	9,157.42	6,698.59	-40.78	6,698.72	0.00	0.00	0.00
14,800.00	89.90	359.76	9,157.59	6,798.59	-41.20	6,798.72	0.00	0.00	0.00
14,900.00	89.90	359.76	9,157.77	6,898.59	-41.62	6,898.72	0.00	0.00	0.00
15,000.00	89.90	359.76	9,157.95	6,998.59	-42.04	6,998.72	0.00	0.00	0.00
15,100.00	89.89	359.76	9,158.13	7,098.59	-42.46	7,098.71	0.00	0.00	0.00
15,200.00	89.89	359.76	9,158.32	7,198.59	-42.87	7,198.71	0.00	0.00	0.00
15,300.00	89.89	359.76	9,158.51	7,298.59	-43.29	7,298.71	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Well CORRAL CANYON 36-25 FED COM 25H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3162.10ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3162.10ft
Site:	CORRAL CANYON 36-25 FED COM	North Reference:	Grid
Well:	CORRAL CANYON 36-25 FED COM 25H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
15,400.00	89.89	359.76	9,158.70	7,398.59	-43.71	7,398.71	0.00	0.00	0.00
15,500.00	89.89	359.76	9,158.90	7,498.59	-44.13	7,498.71	0.00	0.00	0.00
15,600.00	89.88	359.76	9,159.10	7,598.58	-44.54	7,598.71	0.00	0.00	0.00
15,700.00	89.88	359.76	9,159.31	7,698.58	-44.96	7,698.71	0.00	0.00	0.00
15,800.00	89.88	359.76	9,159.51	7,798.58	-45.38	7,798.71	0.00	0.00	0.00
15,900.00	89.88	359.76	9,159.72	7,898.58	-45.80	7,898.71	0.00	0.00	0.00
16,000.00	89.88	359.76	9,159.94	7,998.58	-46.22	7,998.71	0.00	0.00	0.00
16,100.00	89.87	359.76	9,160.15	8,098.58	-46.63	8,098.71	0.00	0.00	0.00
16,200.00	89.87	359.76	9,160.38	8,198.58	-47.05	8,198.71	0.00	0.00	0.00
16,300.00	89.87	359.76	9,160.60	8,298.58	-47.47	8,298.71	0.00	0.00	0.00
16,400.00	89.87	359.76	9,160.83	8,398.58	-47.89	8,398.71	0.00	0.00	0.00
16,500.00	89.87	359.76	9,161.06	8,498.57	-48.31	8,498.71	0.00	0.00	0.00
16,600.00	89.86	359.76	9,161.29	8,598.57	-48.72	8,598.71	0.00	0.00	0.00
16,700.00	89.86	359.76	9,161.53	8,698.57	-49.14	8,698.71	0.00	0.00	0.00
16,800.00	89.86	359.76	9,161.77	8,798.57	-49.56	8,798.71	0.00	0.00	0.00
16,900.00	89.86	359.76	9,162.01	8,898.57	-49.98	8,898.71	0.00	0.00	0.00
17,000.00	89.86	359.76	9,162.26	8,998.57	-50.39	8,998.71	0.00	0.00	0.00
17,100.00	89.86	359.76	9,162.51	9,098.57	-50.81	9,098.71	0.00	0.00	0.00
17,200.00	89.85	359.76	9,162.77	9,198.57	-51.23	9,198.71	0.00	0.00	0.00
17,300.00	89.85	359.76	9,163.02	9,298.56	-51.65	9,298.71	0.00	0.00	0.00
17,400.00	89.85	359.76	9,163.28	9,398.56	-52.07	9,398.71	0.00	0.00	0.00
17,500.00	89.85	359.76	9,163.55	9,498.56	-52.48	9,498.71	0.00	0.00	0.00
17,600.00	89.85	359.76	9,163.82	9,598.56	-52.90	9,598.71	0.00	0.00	0.00
17,700.00	89.84	359.76	9,164.09	9,698.56	-53.32	9,698.71	0.00	0.00	0.00
17,800.00	89.84	359.76	9,164.36	9,798.56	-53.74	9,798.71	0.00	0.00	0.00
17,900.00	89.84	359.76	9,164.64	9,898.56	-54.16	9,898.71	0.00	0.00	0.00
18,000.00	89.84	359.76	9,164.92	9,998.56	-54.57	9,998.71	0.00	0.00	0.00
18,100.00	89.84	359.76	9,165.20	10,098.56	-54.99	10,098.70	0.00	0.00	0.00
18,200.00	89.83	359.76	9,165.49	10,198.55	-55.41	10,198.70	0.00	0.00	0.00
18,300.00	89.83	359.76	9,165.78	10,298.55	-55.83	10,298.70	0.00	0.00	0.00
18,400.00	89.83	359.76	9,166.08	10,398.55	-56.24	10,398.70	0.00	0.00	0.00
18,500.00	89.83	359.76	9,166.37	10,498.55	-56.66	10,498.70	0.00	0.00	0.00
18,600.00	89.83	359.76	9,166.67	10,598.55	-57.08	10,598.70	0.00	0.00	0.00
18,700.00	89.82	359.76	9,166.98	10,698.55	-57.50	10,698.70	0.00	0.00	0.00
18,800.00	89.82	359.76	9,167.29	10,798.55	-57.92	10,798.70	0.00	0.00	0.00
18,900.00	89.82	359.76	9,167.60	10,898.54	-58.33	10,898.70	0.00	0.00	0.00
19,000.00	89.82	359.76	9,167.91	10,998.54	-58.75	10,998.70	0.00	0.00	0.00
19,100.00	89.82	359.76	9,168.23	11,098.54	-59.17	11,098.70	0.00	0.00	0.00
19,200.00	89.82	359.76	9,168.55	11,198.54	-59.59	11,198.70	0.00	0.00	0.00
19,300.00	89.81	359.76	9,168.88	11,298.54	-60.01	11,298.70	0.00	0.00	0.00
19,338.18	89.81	359.76	9,169.00	11,336.71	-60.16	11,336.87	0.00	0.00	0.00

Oxy

Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Well CORRAL CANYON 36-25 FED COM 25H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3162.10ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3162.10ft
Site:	CORRAL CANYON 36-25 FED COM	North Reference:	Grid
Well:	CORRAL CANYON 36-25 FED COM 25H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
CORRAL_CANYON_3 - plan hits target center - Point	0.00	0.00	8,580.04	989.98	-16.93	424,613.45	665,047.13	32° 10' 0.151628 N	103° 56' 0.711536
CORRAL_CANYON_3 - plan hits target center - Point	0.00	0.00	9,169.00	11,336.71	-60.16	434,959.40	665,003.90	32° 11' 42.535610 N	103° 56' 0.767164

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
2,475.00	2,475.00	0.00	0.00	STEP OUT DLS 2.00
2,976.11	2,973.55	43.71	-0.75	HOLD 10 DEG TANGENT
8,163.19	8,081.49	946.28	-16.18	DROP BACK TO VERTICAL DLS 2.00
8,664.30	8,580.04	989.98	-16.93	BUILD CURVE 10 DEG / 100
9,564.30	9,153.00	1,562.94	-19.33	LANDING POINT
19,338.18	9,169.00	11,336.71	-60.16	TD at 19338.18



Occidental Oil and Gas Corporation
ATTN: Kacie Cruz
5 Greenway Plaza, Suite 110
Houston, TX 77046
713-350-4889
kacie_cruz@oxy.com

March 6, 2018

Mr. Leonard Lowe
New Mexico Oil Conservation Division
1220 South Francis Drive
Santa Fe, New Mexico 87505

RE: Application for Nonstandard Location—Engineering Justification
OXY USA Inc.
Corral Canyon 36-25 Federal Com #25H
E/2 E/2 Sections 36 and 25, T24S-R29E, Eddy County

Dear Mr. Lowe:

Oxy USA Inc. respectfully seeks approval for non-standard locations, increasing horizontal well spacing from 4 wells per section ("wps") to 6 wps to effectively develop the Bone Spring and Wolfcamp formations. It is Oxy's responsibility as a prudent operator to optimize well spacing for horizontal development and minimize reserves left in the ground. Increasing horizontal well spacing from 4 wps to 6 wps will optimize recoverable reserves. Any reduction in well spacing will result in untapped reserves being left in the reservoir resulting in waste of a resource that will not be developed otherwise.

Sincerely,

A handwritten signature in black ink, appearing to read "Kacie Cruz", written over a horizontal line.

Kacie Cruz
Development Production Engineer