

NSL-7736

RECEIVED: 6/4/18	REVIEWER: LRL	TYPE: NSL	APP NO: PLEL 18648467
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

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

**ADMINISTRATIVE APPLICATION CHECKLIST**

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

Applicant: OXY USA INC. **OGRID Number:** 16696
Well Name: CORRAL DRAW 14-13 FEDERAL 32H **API:** 30-015-PENDING
Pool: PIERCE CROSSING; BONE SPRING, EAST **Pool Code:** 96473

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

1) TYPE OF APPLICATION: Check those which apply for [A]

A. Location – Spacing Unit – Simultaneous Dedication

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

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

[I] Commingling – Storage – Measurement

☐ DHC☐ CTB☐ PLC☐ PC☐ OLS☐ OLM

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

☐ WFX☐ PMX☐ SWD☐ IPI☐ EOR☐ PPR**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

5/29/18

Date

432-699-4318

Phone Number

Sarah_mitchell@oxy.com

e-mail Address



OXY USA Inc

**PO Box 50250
Midland, TX 79710-0250**

May 29, 2018

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 Draw 14-13 Federal #32H – Pierce Crossing; Bone Spring, East
Surface – 1318 FNL 2540 FEL Unit B Sec 14 T25S R29E
Top Perforation – 1258 FNL 2300 FEL Unit B Sec 14 T25S R29E
Bottom Perforation – 1259 FNL 340 FEL Unit A Sec 13 T25S R29E
Bottom Hole – 1260 FNL 180 FEL Unit A Sec 13 T25S R29E
Eddy County, New Mexico*

Dear Mr. Lowe:

OXY USA Inc. respectfully requests administrative approval of a non-standard location on the Corral Draw 14-13 Federal #32H well, API Number-30-015-pending, Property Code pending. The #32H 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 – 1318 FNL 2540 FEL Unit B Sec 14 T25S R29E
Top Perforation – 1258 FNL 2300 FEL Unit B Sec 14 T25S R29E
Bottom Perforation – 1259 FNL 340 FEL Unit A Sec 13 T25S R29E
Bottom Hole – 1260 FNL 180 FEL Unit A Sec 13 T25S R29E

The adjoining spacing units towards which the unorthodox location encroaches are located in T25S R29E, Section 14- Units C, F, G, H Section 13-Units E, F, G, H, and T25S-R30E Section 18- Units D, E.

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 Advisor
OXY USA Inc.

Attachments

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



OXY USA Inc.

**PO Box 50250
Midland, TX 79710-0250**

May 29, 2018

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Re: ***Application for Administrative Approval of Non-Standard Location
Corral Draw 14-13 Federal #32H – Pierce Crossing; Bone Spring, East
Surface – 1318 FNL 2540 FEL Unit B Sec 14 T25S R29E
Top Perforation – 1258 FNL 2300 FEL Unit B Sec 14 T25S R29E
Bottom Perforation – 1259 FNL 340 FEL Unit A Sec 13 T25S R29E
Bottom Hole – 1260 FNL 180 FEL Unit A Sec 13 T25S 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 – 1318 FNL 2540 FEL Unit B Sec 14 T25S R29E
Top Perforation – 1258 FNL 2300 FEL Unit B Sec 14 T25S R29E
Bottom Perforation – 1259 FNL 340 FEL Unit A Sec 13 T25S R29E
Bottom Hole – 1260 FNL 180 FEL Unit A Sec 13 T25S 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,

A handwritten signature in cursive script that reads "Sarah Mitchell".

Sarah Mitchell
Regulatory Advisor
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

1a. Type of work: ☒ DRILL ☐ REENTER		5. Lease Serial No. NMNMO15303
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator OXY USA INCORPORATED		7. If Unit or CA Agreement, Name and No.
3a. Address 5 Greenway Plaza, Suite 110 Houston TX 770		8. Lease Name and Well No. CORRAL DRAW 14-13 FEDERAL 32H
3b. Phone No. (include area code) (713)366-5716		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NWNE / 1318 FNL / 2540 FEL / LAT 32.1337323 / LONG -103.9547557 At proposed prod. zone NENE / 1260 FNL / 180 FEL / LAT 32.1339825 / LONG -103.9299968		10. Field and Pool, or Exploratory PIERCE CROSSING BONE SPRING, E/
11. Sec., T. R. M. or Blk. and Survey or Area SEC 14 / T25S / R29E / NMP		12. County or Parish EDDY
13. State NM		14. Distance in miles and direction from nearest town or post office* 8 miles
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 50 feet	16. No. of acres in lease 1280	17. Spacing Unit dedicated to this well 240
18. Distance from proposed location* to nearest well, drilling, completed, 35 feet applied for, on this lease, ft.	19. Proposed Depth 10270 feet / 17643 feet	20. BLM/BIA Bond No. on file FED: ESB000226
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3110 feet	22. Approximate date work will start* 01/01/2020	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:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 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). | 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 05/09/2018
Title Sr. Regulatory Advisor		
Approved by (Signature)	Name (Printed/Typed)	Date
Title 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.

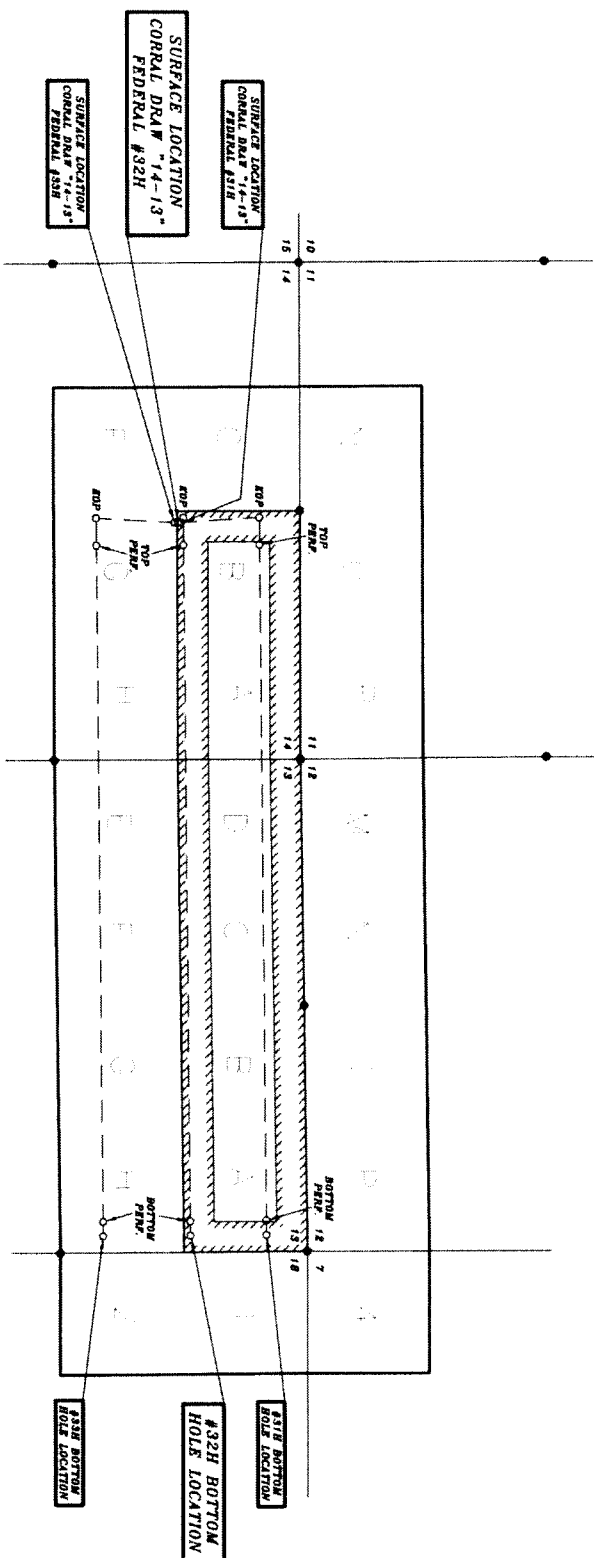
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

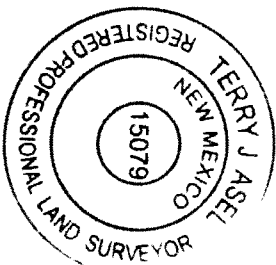
OXY USA INC.

CORRAL DRAW "14-13" FEDERAL #32H
 SECTIONS 11, 12, 13 & 14, TOWNSHIP 25 SOUTH, RANGE 29 EAST
 AND SECTIONS 7 & 18, TOWNSHIP 25 SOUTH,
 RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO



SURVEYORS CERTIFICATE

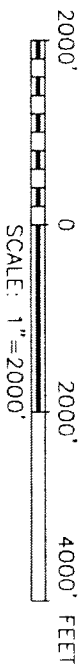
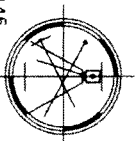
I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW MEXICO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



Terry J. Asel 5/23/2016
 Terry J. Asel, R.P.L.S., No. 15079

Asel Surveying

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



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 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) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-	Pool Code 96473	Pool Name Pierce Crossing Bone Spring, East
Property Code 320633	Property Name CORRAL DRAW "14-13" FEDERAL	Well Number 32H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3110.4'

Surface Location

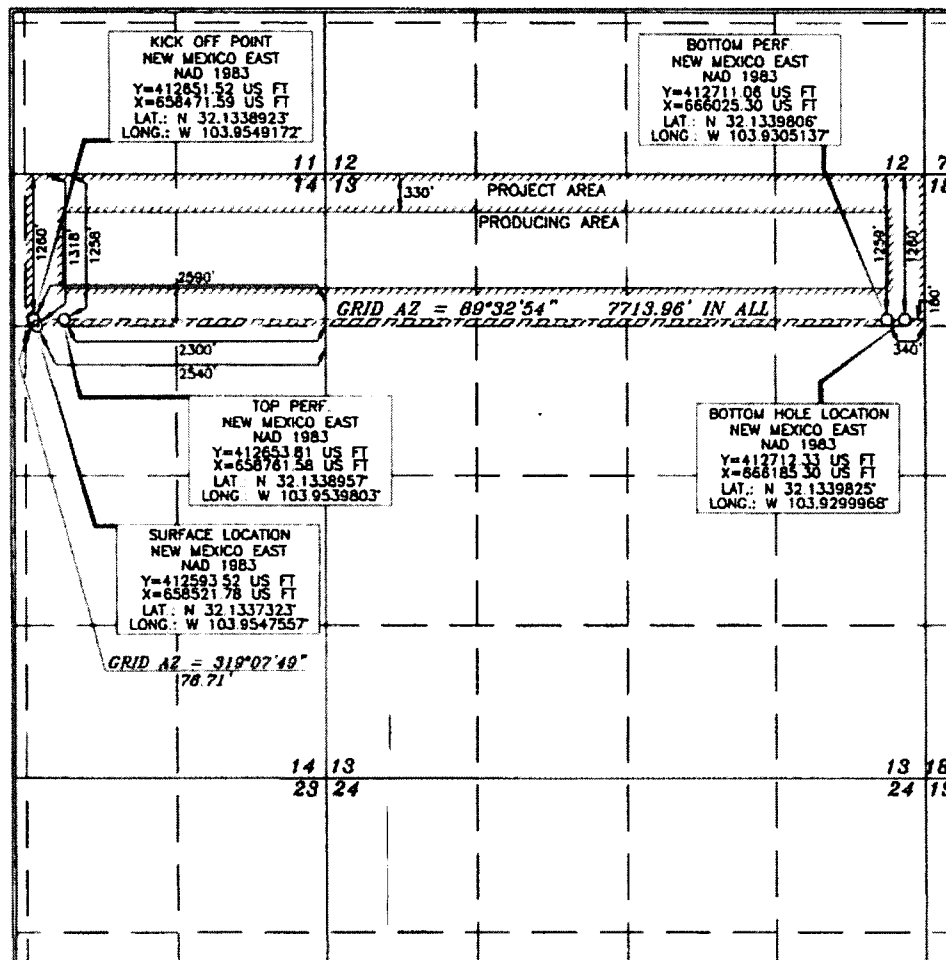
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	14	25 SOUTH	29 EAST, N.M.P.M.		1318'	NORTH	2540'	EAST	EDDY

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	13	25 SOUTH	29 EAST, N.M.P.M.		1260'	NORTH	180'	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
240	Y		NSL will be filed

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: **5/4/13**
Printed Name: **David Stewart**
E-mail Address: **david_stewart@oxy.com**

SURVEYOR CERTIFICATION

I hereby certify that the information shown on this plat was obtained from reliable sources and that the same is true and correct to the best of my belief.

Date of Survey: **DECEMBER 7, 2012**
Signature and Seal of Professional Surveyor: **Tommy J. Asch**
Certificate Number: **15079**

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30015-		Pool Code 96473	Pool Name Pierce Crossing Bone Springs, East	
Property Code 320833	Property Name CORRAL DRAW "14-13" FEDERAL			Well Number 31H
OGRID No. 16696	Operator Name OXY USA INC.			Elevation 3108.4'

Surface Location

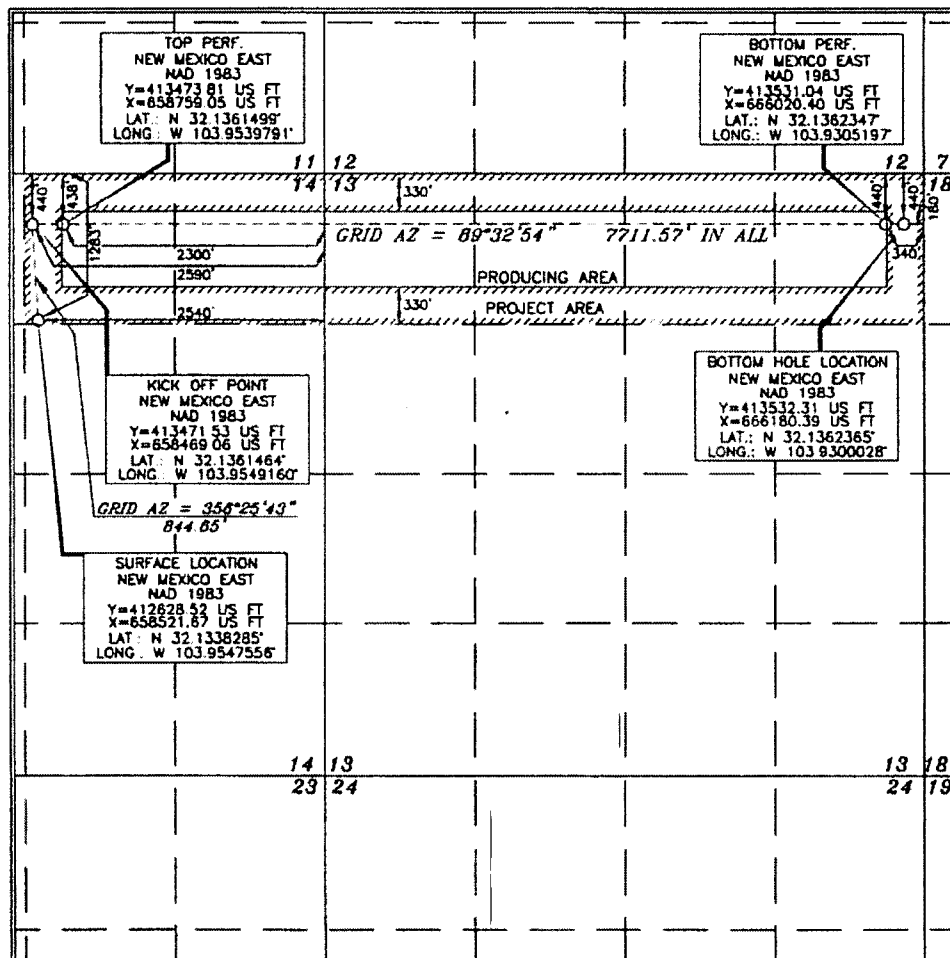
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	14	25 SOUTH	29 EAST, N.M.P.M.		1283'	NORTH	2540'	EAST	EDDY

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	13	25 SOUTH	29 EAST, N.M.P.M.		440'	NORTH	180'	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
240	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 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: *David Stewart* Date: **5/4/18**
Printed Name: **David Stewart**
E-mail Address: **david.stewart@oxy.com**

SURVEYOR CERTIFICATION

I hereby certify that the information shown on this plat was prepared by a duly licensed professional land surveyor made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: **DECEMBER 7, 2017**
Signature and Seal: *Terry J. Paul* 12/18/2017
Professional Surveyor: **15079**
Certificate Number: **15079**

District I
1625 N. French Dr., Hobbs, NM 88340
Phone: (575) 393-6161 Fax: (575) 393-6770
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Artesia, NM 87410
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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 30-015-	Pool Code 96473	Pool Name Pierce Crossing Box Spring, East
Property Code 320833	Property Name CORRAL DRAW "14-13" FEDERAL	Well Number 33H
OGRID No. 116696	Operator Name OXY USA INC.	Elevation 3107.6'

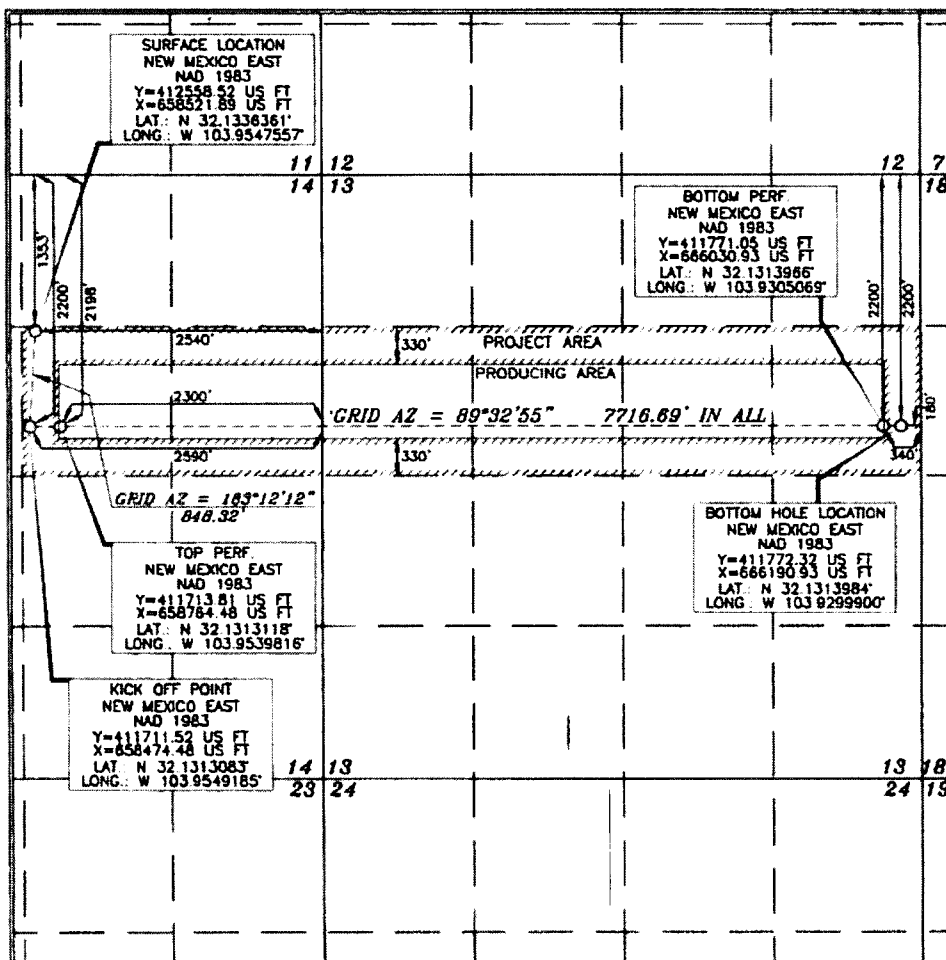
Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
G	14	25 SOUTH	29 EAST, N.M.P.M.		1353'	NORTH	2540'	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
H	13	25 SOUTH	29 EAST, N.M.P.M.		2200'	NORTH	180'	EAST	EDDY
Dedicated Acres 240	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: *David Stewart* Date: **5/4/13**
Printed Name: **David Stewart**
E-mail Address: **david_stewart@oxy.com**

SURVEYOR CERTIFICATION

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

Signature and Seal: *David Stewart* Date of Survey: **5/4/13**
Professional Land Surveyor
Certificate Number: **15079**

Application Non-Standard Location - Service List**OXY USA Inc.****Corral Draw 14-13 Federal #32H**

New Mexico Oil Conservation Division
 811 S. First St.
 Artesia, NM 88210
 7017-0190-0000-4589-1787

New Mexico Oil Conservation Division
 1220 South St. Francis Dr.
 Santa Fe, NM 87505
 7017-0190-0000-4589-1480

United States Dept of Interior
 Bureau of Land Management
 620 E. Greene Street
 Carlsbad, NM 88220
 7017-0190-0000-4589-1763

T25S R29E**Section 13 - Units A, B, C, D, E, F, G, H**

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

XTO Resources Inc.
 810 Houston Street
 Fort Worth, Texas 76102
 7017-0190-0000-4589-1794

EOG Resources Inc.
 5509 Champions Drive
 Midland, Texas 79706
 7017-0190-0000-4589-1800

Section 14 - Units A, B, C, F, G, H

OXY USA Inc -Operator
 P.O. Box 50250
 Midland, TX 79710

XTO Resources Inc.
 810 Houston Street
 Fort Worth, Texas 76102
 7017-0190-0000-4589-1794

T25S-R30E**Section 18 - Units D, E**

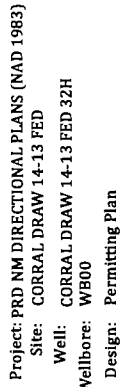
Chevron USA Inc.
 6301 Deauville Blvd.
 Midland, TX 79706
 7017-0190-0000-4588-0996

XTO Resources Inc.
 810 Houston Street
 Fort Worth, Texas 76102
 7017-0190-0000-4589-1794

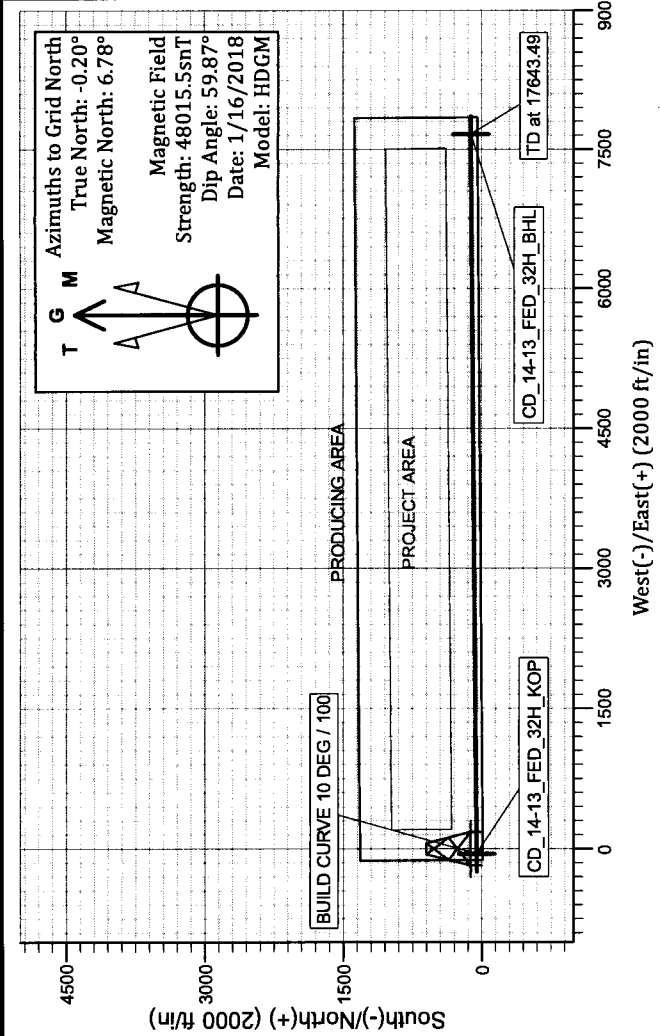
Copies of this application were mailed to the following individuals, companies and organizations
 on or before _May 29, 2018_____.



Sarah Mitchell
 OXY USA Inc.



+N/-S	+E/-W	Northing	Easting	Ground Level: 3110.40
0.00	0.00	412593.52	658521.78	
			DATUM @ 3136.90ft	



PROJECT DETAILS: PRD 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	
9113	10125	11138

SECTION DETAILS

Sec	MD	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	8660.00	0.00	0.00	8660.00	0.00	0.00	0.00	0.00	0.00		STEP OUT DLS 2.00
3	9095.25	8.71	319.13	9093.57	24.96	-21.60	2.00	319.13	-21.21		HOLD 9 DEG TANGENT
4	9165.93	8.71	319.13	9163.45	33.05	-28.60	0.00	0.00	-28.08		DROP BACK TO VERTICAL DLS 2.00
5	9601.20	0.00	89.55	9597.04	58.00	-50.19	2.00	180.00	-49.29		BUILD CURVE 10 DEG / 100
6	10494.20	89.30	89.55	10169.96	62.47	515.75	10.00	89.55	516.65		LANDING POINT
7	17643.49	89.10	89.55	10270.00	118.82	7664.11	0.00	180.00	7665.03	CD 14-13 FED 32H BHL	TD at 17643.49

Oxy Planning Report

Database: HOPSP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: CORRAL DRAW 14-13 FED
Well: CORRAL DRAW 14-13 FED 32H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well CORRAL DRAW 14-13 FED 32H
TVD Reference: DATUM @ 3136.90ft
MD Reference: DATUM @ 3136.90ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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 DRAW 14-13 FED			
Site Position:		Northing:	412,628.52 usft	Latitude: 32° 8' 1.782764 N
From:	Map	Easting:	658,521.67 usft	Longitude: 103° 57' 17.120220 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence: 0.20 °

Well	CORRAL DRAW 14-13 FED 32H			
Well Position	+N/-S	-35.00 ft	Northing:	412,593.52 usft
	+E/-W	0.11 ft	Easting:	658,521.78 usft
Position Uncertainty	0.00 ft		Wellhead Elevation:	0.00 ft
			Ground Level:	3,110.40 ft

Wellbore	WB00				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	1/16/2018	6.98	59.87	48,016

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	89.11

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	
8,660.00	0.00	0.00	8,660.00	0.00	0.00	0.00	0.00	0.00	0.00	
9,095.25	8.71	319.13	9,093.57	24.96	-21.60	2.00	2.00	0.00	319.13	
9,165.93	8.71	319.13	9,163.45	33.05	-28.60	0.00	0.00	0.00	0.00	
9,601.20	0.00	89.55	9,597.04	58.00	-50.19	2.00	-2.00	0.00	180.00	CD_14-13_FED_32
10,494.20	89.30	89.55	10,169.96	62.47	515.75	10.00	10.00	0.00	89.55	
17,643.49	89.10	89.55	10,270.00	118.82	7,664.11	0.00	0.00	0.00	180.00	CD_14-13_FED_32

Oxy Planning Report

Database: HOPSP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: CORRAL DRAW 14-13 FED
Well: CORRAL DRAW 14-13 FED 32H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well CORRAL DRAW 14-13 FED 32H
TVD Reference: DATUM @ 3136.90ft
MD Reference: DATUM @ 3136.90ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00

Oxy Planning Report

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Survey Calculation Method: Minimum Curvature

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)
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,660.00	0.00	0.00	8,660.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.80	319.13	8,700.00	0.21	-0.18	-0.18	2.00	2.00	0.00
8,800.00	2.80	319.13	8,799.94	2.59	-2.24	-2.20	2.00	2.00	0.00
8,900.00	4.80	319.13	8,899.72	7.60	-6.58	-6.46	2.00	2.00	0.00
9,000.00	6.80	319.13	8,999.20	15.24	-13.19	-12.95	2.00	2.00	0.00
9,095.25	8.71	319.13	9,093.57	24.96	-21.60	-21.21	2.00	2.00	0.00
9,100.00	8.71	319.13	9,098.27	25.50	-22.07	-21.67	0.00	0.00	0.00
9,165.93	8.71	319.13	9,163.45	33.05	-28.60	-28.08	0.00	0.00	0.00
9,200.00	8.02	319.13	9,197.15	36.79	-31.84	-31.27	2.00	-2.00	0.00
9,300.00	6.02	319.13	9,296.39	46.04	-39.84	-39.12	2.00	-2.00	0.00
9,400.00	4.02	319.13	9,396.01	52.66	-45.57	-44.75	2.00	-2.00	0.00
9,500.00	2.02	319.13	9,495.86	56.65	-49.02	-48.14	2.00	-2.00	0.00
9,600.00	0.02	319.13	9,595.84	58.00	-50.19	-49.29	2.00	-2.00	0.00
9,601.20	0.00	89.55	9,597.04	58.00	-50.19	-49.29	2.00	-2.00	0.00
9,700.00	9.88	89.55	9,695.35	58.07	-41.70	-40.79	10.00	10.00	0.00
9,800.00	19.88	89.55	9,791.88	58.27	-16.05	-15.15	10.00	10.00	0.00
9,900.00	29.88	89.55	9,882.48	58.60	25.97	26.87	10.00	10.00	0.00
10,000.00	39.88	89.55	9,964.41	59.06	83.08	83.98	10.00	10.00	0.00
10,100.00	49.88	89.55	10,035.18	59.61	153.55	154.45	10.00	10.00	0.00
10,200.00	59.88	89.55	10,092.64	60.25	235.24	236.14	10.00	10.00	0.00
10,300.00	69.88	89.55	10,135.03	60.97	325.66	326.57	10.00	10.00	0.00

Oxy Planning Report

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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)
10,400.00	79.88	89.55	10,161.09	61.73	422.07	422.98	10.00	10.00	0.00
10,494.20	89.30	89.55	10,169.96	62.47	515.75	516.65	10.00	10.00	0.00
10,500.00	89.30	89.55	10,170.03	62.51	521.54	522.45	0.00	0.00	0.00
10,600.00	89.30	89.55	10,171.25	63.30	621.53	622.44	0.00	0.00	0.00
10,700.00	89.29	89.55	10,172.48	64.09	721.52	722.43	0.00	0.00	0.00
10,800.00	89.29	89.55	10,173.72	64.88	821.51	822.42	0.00	0.00	0.00
10,900.00	89.29	89.55	10,174.96	65.66	921.50	922.41	0.00	0.00	0.00
11,000.00	89.29	89.55	10,176.20	66.45	1,021.49	1,022.40	0.00	0.00	0.00
11,100.00	89.28	89.55	10,177.45	67.24	1,121.48	1,122.39	0.00	0.00	0.00
11,200.00	89.28	89.55	10,178.70	68.03	1,221.47	1,222.38	0.00	0.00	0.00
11,300.00	89.28	89.55	10,179.96	68.82	1,321.46	1,322.37	0.00	0.00	0.00
11,400.00	89.27	89.55	10,181.23	69.61	1,421.45	1,422.35	0.00	0.00	0.00
11,500.00	89.27	89.55	10,182.50	70.39	1,521.43	1,522.34	0.00	0.00	0.00
11,600.00	89.27	89.55	10,183.77	71.18	1,621.42	1,622.33	0.00	0.00	0.00
11,700.00	89.27	89.55	10,185.05	71.97	1,721.41	1,722.32	0.00	0.00	0.00
11,800.00	89.26	89.55	10,186.33	72.76	1,821.40	1,822.31	0.00	0.00	0.00
11,900.00	89.26	89.55	10,187.62	73.55	1,921.39	1,922.30	0.00	0.00	0.00
12,000.00	89.26	89.55	10,188.92	74.34	2,021.38	2,022.29	0.00	0.00	0.00
12,100.00	89.25	89.55	10,190.22	75.12	2,121.37	2,122.28	0.00	0.00	0.00
12,200.00	89.25	89.55	10,191.52	75.91	2,221.35	2,222.26	0.00	0.00	0.00
12,300.00	89.25	89.55	10,192.83	76.70	2,321.34	2,322.25	0.00	0.00	0.00
12,400.00	89.25	89.55	10,194.14	77.49	2,421.33	2,422.24	0.00	0.00	0.00
12,500.00	89.24	89.55	10,195.46	78.28	2,521.32	2,522.23	0.00	0.00	0.00
12,600.00	89.24	89.55	10,196.79	79.06	2,621.31	2,622.22	0.00	0.00	0.00
12,700.00	89.24	89.55	10,198.11	79.85	2,721.30	2,722.21	0.00	0.00	0.00
12,800.00	89.23	89.55	10,199.45	80.64	2,821.28	2,822.20	0.00	0.00	0.00
12,900.00	89.23	89.55	10,200.79	81.43	2,921.27	2,922.18	0.00	0.00	0.00
13,000.00	89.23	89.55	10,202.13	82.22	3,021.26	3,022.17	0.00	0.00	0.00
13,100.00	89.23	89.55	10,203.48	83.01	3,121.25	3,122.16	0.00	0.00	0.00
13,200.00	89.22	89.55	10,204.83	83.79	3,221.24	3,222.15	0.00	0.00	0.00
13,300.00	89.22	89.55	10,206.19	84.58	3,321.22	3,322.14	0.00	0.00	0.00
13,400.00	89.22	89.55	10,207.56	85.37	3,421.21	3,422.12	0.00	0.00	0.00
13,500.00	89.21	89.55	10,208.92	86.16	3,521.20	3,522.11	0.00	0.00	0.00
13,600.00	89.21	89.55	10,210.30	86.95	3,621.19	3,622.10	0.00	0.00	0.00
13,700.00	89.21	89.55	10,211.68	87.74	3,721.17	3,722.09	0.00	0.00	0.00
13,800.00	89.21	89.55	10,213.06	88.52	3,821.16	3,822.07	0.00	0.00	0.00
13,900.00	89.20	89.55	10,214.45	89.31	3,921.15	3,922.06	0.00	0.00	0.00
14,000.00	89.20	89.55	10,215.84	90.10	4,021.13	4,022.05	0.00	0.00	0.00
14,100.00	89.20	89.55	10,217.24	90.89	4,121.12	4,122.04	0.00	0.00	0.00
14,200.00	89.19	89.55	10,218.64	91.68	4,221.11	4,222.02	0.00	0.00	0.00
14,300.00	89.19	89.55	10,220.05	92.46	4,321.10	4,322.01	0.00	0.00	0.00
14,400.00	89.19	89.55	10,221.46	93.25	4,421.08	4,422.00	0.00	0.00	0.00
14,500.00	89.19	89.55	10,222.88	94.04	4,521.07	4,521.98	0.00	0.00	0.00
14,600.00	89.18	89.55	10,224.31	94.83	4,621.06	4,621.97	0.00	0.00	0.00
14,700.00	89.18	89.55	10,225.73	95.62	4,721.04	4,721.96	0.00	0.00	0.00
14,800.00	89.18	89.55	10,227.17	96.41	4,821.03	4,821.94	0.00	0.00	0.00
14,900.00	89.17	89.55	10,228.61	97.19	4,921.02	4,921.93	0.00	0.00	0.00
15,000.00	89.17	89.55	10,230.05	97.98	5,021.00	5,021.92	0.00	0.00	0.00
15,100.00	89.17	89.55	10,231.50	98.77	5,120.99	5,121.90	0.00	0.00	0.00
15,200.00	89.17	89.55	10,232.95	99.56	5,220.98	5,221.89	0.00	0.00	0.00
15,300.00	89.16	89.55	10,234.41	100.35	5,320.96	5,321.88	0.00	0.00	0.00
15,400.00	89.16	89.55	10,235.87	101.14	5,420.95	5,421.86	0.00	0.00	0.00
15,500.00	89.16	89.55	10,237.34	101.92	5,520.93	5,521.85	0.00	0.00	0.00
15,600.00	89.15	89.55	10,238.81	102.71	5,620.92	5,621.84	0.00	0.00	0.00

Oxy Planning Report

Database: HOPSP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: CORRAL DRAW 14-13 FED
Well: CORRAL DRAW 14-13 FED 32H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well CORRAL DRAW 14-13 FED 32H
TVD Reference: DATUM @ 3136.90ft
MD Reference: DATUM @ 3136.90ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
15,700.00	89.15	89.55	10,240.29	103.50	5,720.91	5,721.82	0.00	0.00	0.00
15,800.00	89.15	89.55	10,241.77	104.29	5,820.89	5,821.81	0.00	0.00	0.00
15,900.00	89.15	89.55	10,243.26	105.08	5,920.88	5,921.80	0.00	0.00	0.00
16,000.00	89.14	89.55	10,244.75	105.86	6,020.86	6,021.78	0.00	0.00	0.00
16,100.00	89.14	89.55	10,246.25	106.65	6,120.85	6,121.77	0.00	0.00	0.00
16,200.00	89.14	89.55	10,247.75	107.44	6,220.83	6,221.75	0.00	0.00	0.00
16,300.00	89.13	89.55	10,249.26	108.23	6,320.82	6,321.74	0.00	0.00	0.00
16,400.00	89.13	89.55	10,250.77	109.02	6,420.81	6,421.72	0.00	0.00	0.00
16,500.00	89.13	89.55	10,252.29	109.81	6,520.79	6,521.71	0.00	0.00	0.00
16,600.00	89.13	89.55	10,253.82	110.59	6,620.78	6,621.70	0.00	0.00	0.00
16,700.00	89.12	89.55	10,255.34	111.38	6,720.76	6,721.68	0.00	0.00	0.00
16,800.00	89.12	89.55	10,256.88	112.17	6,820.75	6,821.67	0.00	0.00	0.00
16,900.00	89.12	89.55	10,258.41	112.96	6,920.73	6,921.65	0.00	0.00	0.00
17,000.00	89.11	89.55	10,259.96	113.75	7,020.72	7,021.64	0.00	0.00	0.00
17,100.00	89.11	89.55	10,261.50	114.54	7,120.70	7,121.62	0.00	0.00	0.00
17,200.00	89.11	89.55	10,263.06	115.32	7,220.69	7,221.61	0.00	0.00	0.00
17,300.00	89.11	89.55	10,264.61	116.11	7,320.67	7,321.59	0.00	0.00	0.00
17,400.00	89.10	89.55	10,266.18	116.90	7,420.66	7,421.58	0.00	0.00	0.00
17,500.00	89.10	89.55	10,267.74	117.69	7,520.64	7,521.56	0.00	0.00	0.00
17,600.00	89.10	89.55	10,269.31	118.48	7,620.63	7,621.55	0.00	0.00	0.00
17,643.49	89.10	89.55	10,270.00	118.82	7,664.11	7,665.03	0.00	0.00	0.00

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
CD_14-13_FED_32H_ - plan hits target center - Point	0.00	0.00	9,597.04	58.00	-50.19	412,651.52	658,471.59	32° 8' 2.012113 N	103° 57' 17.701711
CD_14-13_FED_32H_ - plan hits target center - Point	0.00	0.00	10,270.00	118.82	7,664.11	412,712.33	666,185.30	32° 8' 2.336890 N	103° 55' 47.988565

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
8,660.00	8,660.00	0.00	0.00	STEP OUT DLS 2.00
9,095.25	9,093.57	24.96	-21.60	HOLD 9 DEG TANGENT
9,165.93	9,163.45	33.05	-28.60	DROP BACK TO VERTICAL DLS 2.00
9,601.20	9,597.04	58.00	-50.19	BUILD CURVE 10 DEG / 100
10,494.20	10,169.96	62.47	515.75	LANDING POINT
17,643.49	10,270.00	118.82	7,664.11	TD at 17643.49



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

May 29, 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 Draw 14-13 Federal #32H
N/2 NE/2 Section 14 and N/2 N/2 Section 13, T25S-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 in a cursive style.

Kacie Cruz
Development Production Engineer

From: [Lowe, Leonard, EMNRD](#)
To: ["Sarah_Mitchell@oxy.com"](#)
Cc: [Mike Bratcher \(mike.bratcher@state.nm.us\)](#); [Cordero, Gilbert, EMNRD](#); ["lisa@rwbyram.com"](#); [Dawson, Scott, EMNRD](#); [Jones, William V, EMNRD](#); [McMillan, Michael, EMNRD](#); [Goetze, Phillip, EMNRD](#); ["jglover@blm.gov"](#); ["scaffey@blm.gov"](#); ["rjsanche@blm.gov"](#); ["jstovall@blm.gov"](#)
Subject: APPROVED NSL-7736 & -7737_OXY USA INC_Corral Draw 14 13 Federal Well No. 32H & 35H_SEC 14 25S 29E
Date: Monday, July 2, 2018 2:00:00 PM
Importance: High

Ms. Sarah Mitchell,

The following administrative orders have been issued and will soon be available on the Division's web site.

<http://ocdimage.emnrd.state.nm.us/Imaging/Default.aspx>

APPLICANT: OXY USA INC [16696]
POOL: Pierce Crossing; Bone Springs, East [# 96473]

ORDER NO: NSL-7736
WELL: Corral Draw 14 13 Federal Well No. 32H
[API #: 30-015-PENDING]

ORDER NO: NSL-7737
WELL: Corral Draw 14 13 Federal Well No. 35H
[API #: 30-015-PENDING]

Leonard Lowe

Engineering Bureau
Oil Conservation Division
Energy Minerals and Natural Resources Department
1220 South St. Frances
Santa Fe, New Mexico 87004
Office: 505-476-3492
Cell: 505-930-6717
Fax: 505-476-3462
E-mail: leonard.lowe@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/>