

NSL-1737

Revised March 23, 2017

RECEIVED: 6/4/18	REVIEWER: LRL	TYPE: NSL	APP NO: PLEL 1815648604
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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 35H **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 holders
 B. ☐ Royalty, overriding royalty owners, revenue owners
 C. ☐ Application requires published notice
 D. ☐ Notification and/or concurrent approval by SLO
 E. ☒ Notification and/or concurrent approval by BLM
 F. ☐ Surface owner
 G. ☐ 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 #35H – Pierce Crossing; Bone Spring, East
Surface – 1154 FSL 2223 FWL Unit N Sec 14 T25S R29E
Top Perforation – 1261 FSL 2300 FEL Unit O Sec 14 T25S R29E
Bottom Perforation – 1260 FSL 340 FEL Unit P Sec 13 T25S R29E
Bottom Hole – 1260 FSL 180 FEL Unit P 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 #35H well, API Number-30-015-pending, Property Code pending. The #35H 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 – 1154 FSL 2223 FWL Unit N Sec 14 T25S R29E
Top Perforation – 1261 FSL 2300 FEL Unit O Sec 14 T25S R29E
Bottom Perforation – 1260 FSL 340 FEL Unit P Sec 13 T25S R29E
Bottom Hole – 1260 FSL 180 FEL Unit P Sec 13 T25S R29E

The adjoining spacing units towards which the unorthodox location encroaches are located in T25S R29E, Section 14- Units I, J, K, N, Section 13-Units I, J, K, L, and T25S-R30E Section 18- Units L, M.

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 #35H – Pierce Crossing; Bone Spring, East
Surface – 1154 FSL 2223 FWL Unit N Sec 14 T25S R29E
Top Perforation – 1261 FSL 2300 FEL Unit O Sec 14 T25S R29E
Bottom Perforation – 1260 FSL 340 FEL Unit P Sec 13 T25S R29E
Bottom Hole – 1260 FSL 180 FEL Unit P 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 – 1154 FSL 2223 FWL Unit N Sec 14 T25S R29E
Top Perforation – 1261 FSL 2300 FEL Unit O Sec 14 T25S R29E
Bottom Perforation – 1260 FSL 340 FEL Unit P Sec 13 T25S R29E
Bottom Hole – 1260 FSL 180 FEL Unit P 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,


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

5. Lease Serial No.
NMNM015303

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.
CORRAL DRAW 14-13 FEDERAL 35H

9. API Well No.

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements.)
At surface SESW / 1154 FSL / 2223 FWL / LAT 32.1259328 / LONG -103.9565553
At proposed prod. zone SESE / 1260 FSL / 180 FEL / LAT 32.1262809 / LONG -103.9299778

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 14 / T25S / R29E / NMP

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

12. County or Parish
EDDY

13. State
NM

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 / 17690 feet

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

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3101 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.
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).
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
05/10/2018

Title
Sr. Regulatory Advisor

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office
CARLSBAD

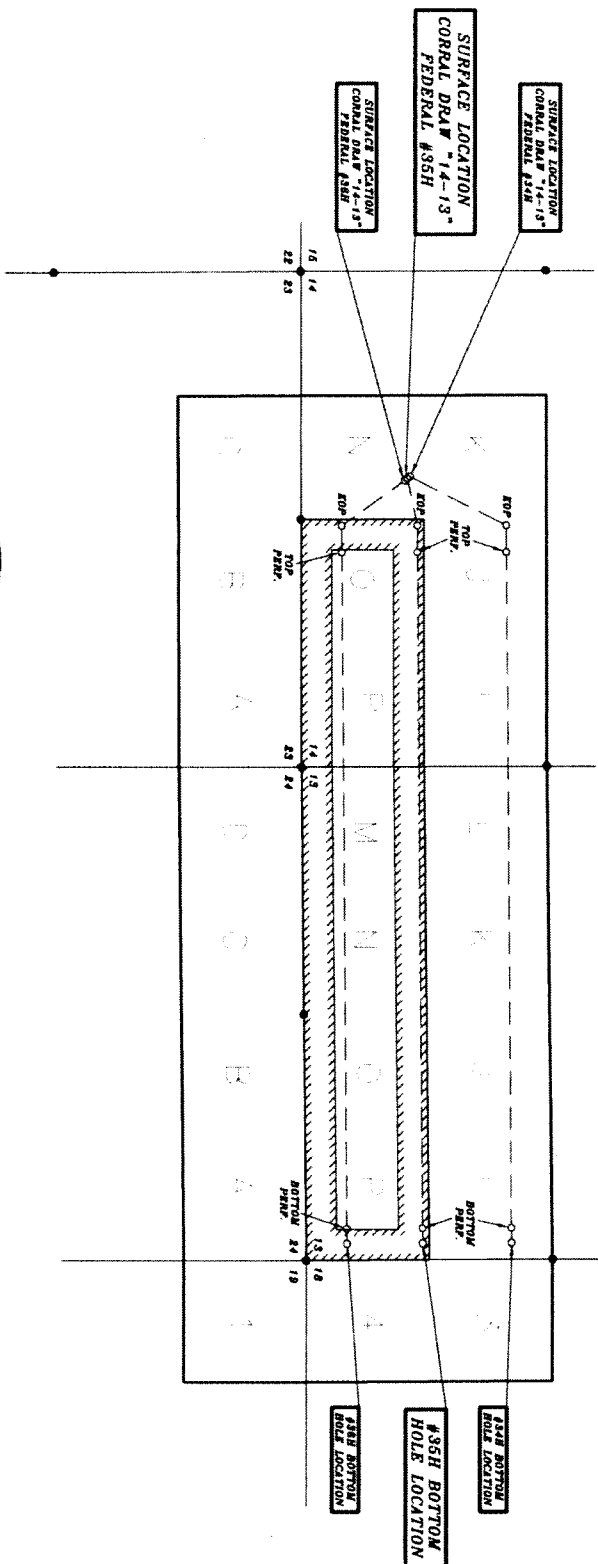
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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)

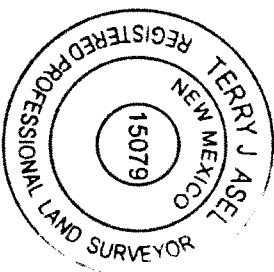
*(Instructions on page 2)

OXY USA INC.
CORRAL DRAW "14-13" FEDERAL #35H
SECTIONS 13, 14, 23 & 24, TOWNSHIP 25 SOUTH, RANGE 29 EAST
AND SECTIONS 18 & 19, TOWNSHIP 25 SOUTH,
RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO



SURVEYORS CERTIFICATE

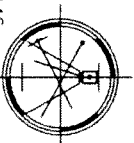
I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO STATE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



Terry J. Asel
 Terry J. Asel N.M.P.L.S. No. 15079 5/23/2018

Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR
 HOBBS, NEW MEXICO - 575-593-9146



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-6720
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 Springs East
Property Code 320833	Property Name CORRAL DRAW "14-13" FEDERAL	Well Number 35H
OGRID No. 116696	Operator Name OXY USA INC.	Elevation 3101.0'

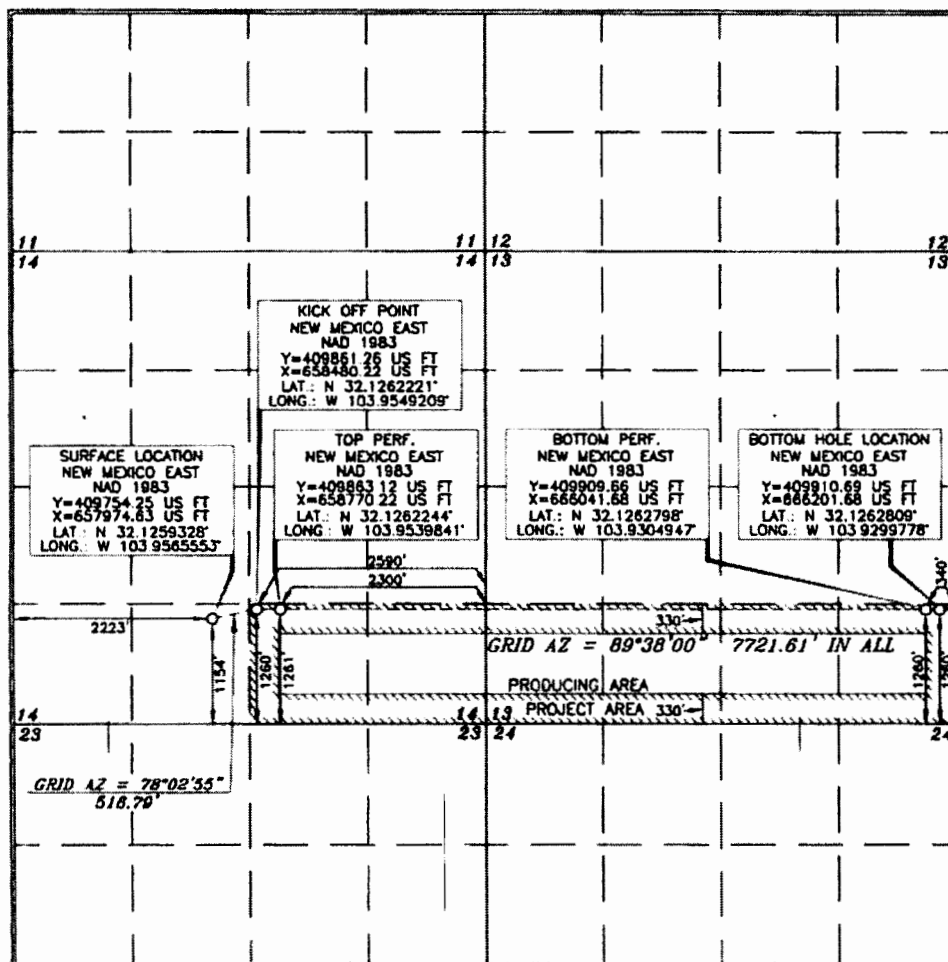
Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
N	14	25 SOUTH	29 EAST, N.M.P.M.		1154'	SOUTH	2223'	WEST	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
P	13	25 SOUTH	29 EAST, N.M.P.M.		1260'	SOUTH	180'	EAST	EDDY
Dedicated Acres 240	Joint or Infill Y	Consolidation Code	Order No. 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 approved 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 obtained 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: Terry J. Asch
Date of Survey: 12/29/2017
Professional Surveyor: 15079

Wof 171207WL-D (KA)

Division I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
Division II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
Division III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-4178 Fax: (505) 334-4170
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1220 South St. Francis Dr.
Santa Fe, NM 87505

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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 320533	Property Name CORRAL DRAW "14-13" FEDERAL	Well Number 34H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3100.4'

Surface Location

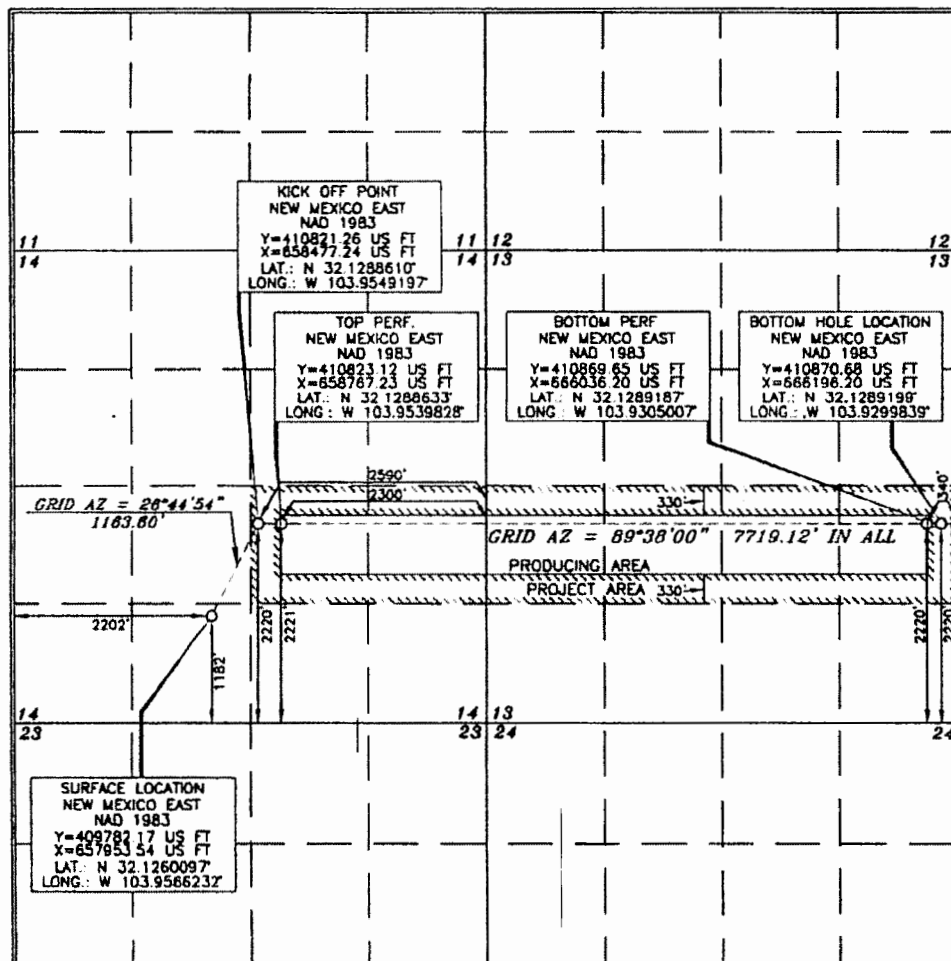
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	14	25 SOUTH	29 EAST, N.M.P.M.		1182'	SOUTH	2202'	WEST	EDDY

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	13	25 SOUTH	29 EAST, N.M.P.M.		2220'	SOUTH	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 obtained 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: DECEMBER 7, 2017
Signature and Stamp: *Terry J. ASE* 15079
Professional Surveyor

Signature: *Terry J. ASE* 12/29/2017
Certificate Number: 15079

District I
1625 N. French Dr., Hobbs, NM 88240
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1000 Rio Blanco Road, Aztec, NM 87410
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Form C-102
Revised August 1, 2011
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WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-	Pool Code 96473	Pool Name Pierce Crossing Bone Spring East
Property Code 320833	Property Name CORRAL DRAW "14-13" FEDERAL	Well Number 36H
GRID No. 16694	Operator Name OXY USA INC.	Elevation 3101.9'

Surface Location

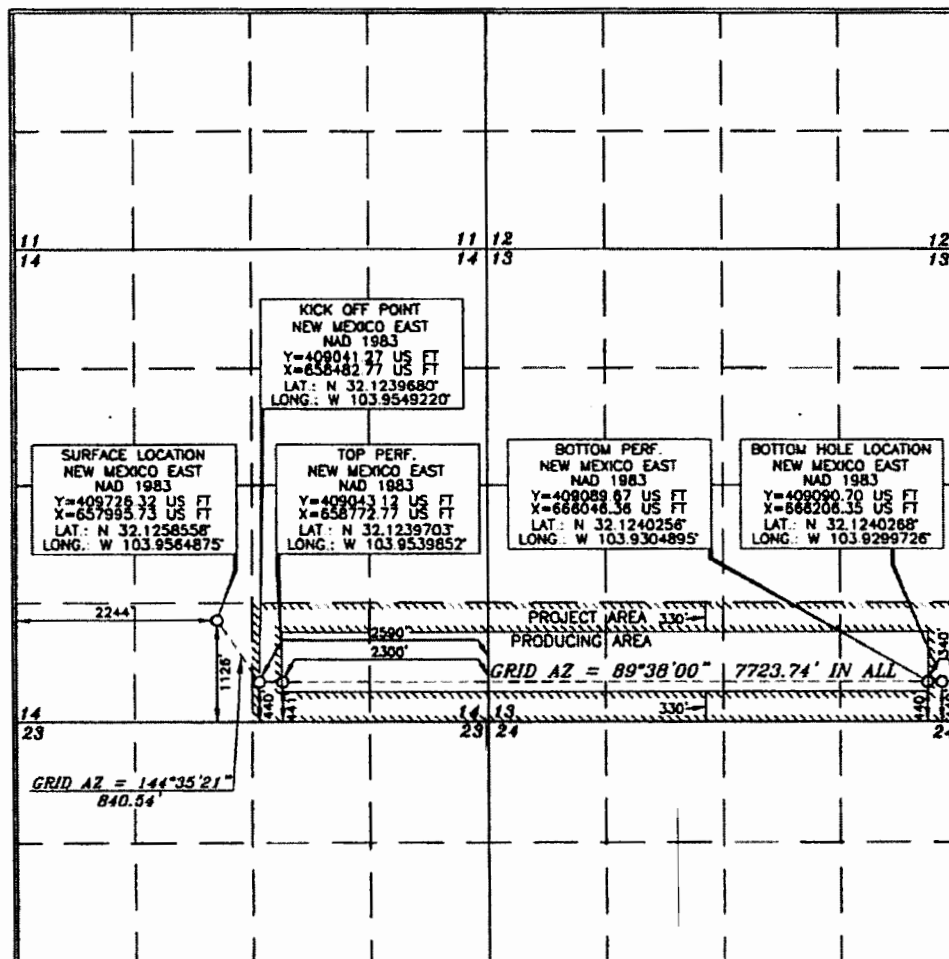
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	14	25 SOUTH	29 EAST, N.M.P.M.		1126'	SOUTH	2244'	WEST	EDDY

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	13	25 SOUTH	29 EAST, N.M.P.M.		440'	SOUTH	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: 5/4/13
Printed Name: David Stewart
E-mail Address: david_stewart@oxy.com

SURVEYOR CERTIFICATION

I hereby certify that the information shown on this plat was prepared from a true and correct survey 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 3, 2012
Signature and Seal of Professional Land Surveyor: Terry J. As...
Certificate Number: 15079

Application Non-Standard Location - Service List
OXY USA Inc.
Corral Draw 14-13 Federal #35H

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 I, J, K, L, M, N, O, P

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 I, J, K, N, O, P

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

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

LMBI OG NM LLC
 201 Main Street, Suite 2700
 Fort Worth, Texas 76102
 7017-0190-0000-4589-1824

Keystone OG NM LLC
 201 Main Street, Suite 2700
 Fort Worth, Texas 76102
 7017-0190-0000-4589-1831

CTV OG NM LLC
 201 Main Street, Suite 2700
 Fort Worth, Texas 76102
 7017-0190-0000-4589-1855

Thru Line OG NM LLC
 201 Main Street, Suite 2700
 Fort Worth, Texas 76102
 7017-0190-0000-4589-1862

SRBI OG NM LLC
 201 Main Street, Suite 2700
 Fort Worth, Texas 76102
 7017-0190-0000-4589-1817

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

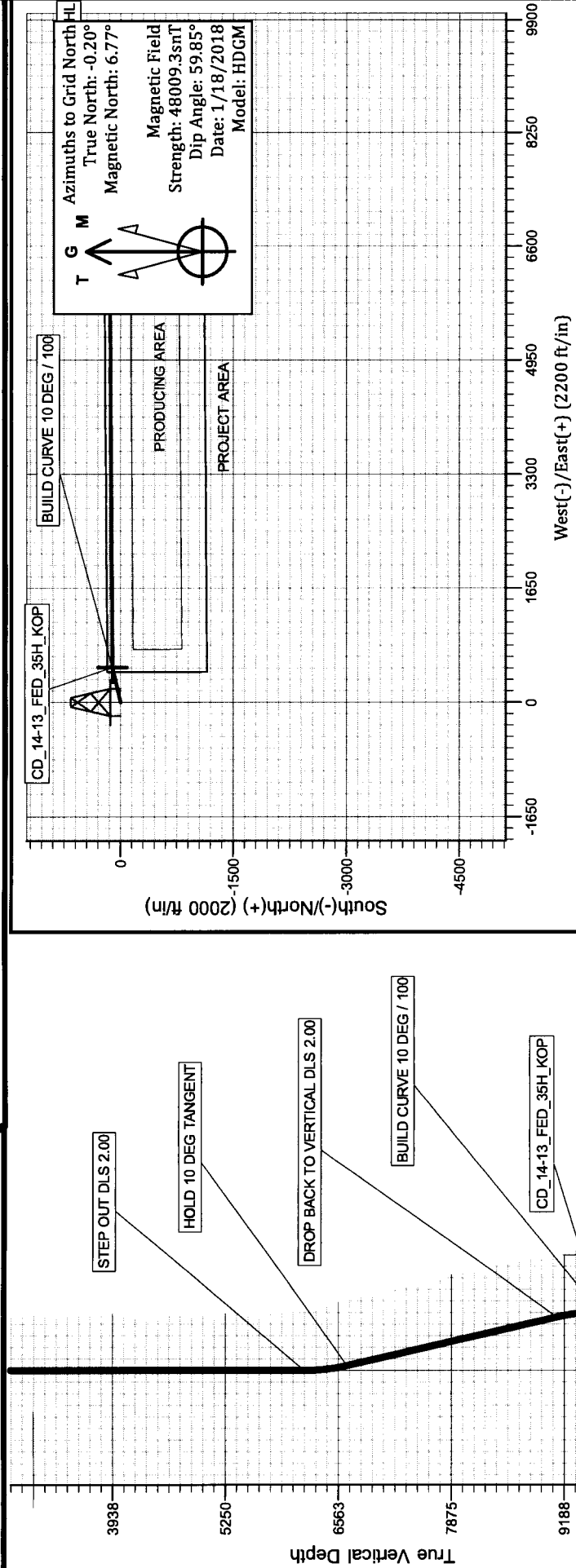


Sarah Mitchell
 OXY USA Inc.

Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
 Site: CORRAL DRAW 14-13 FED
 Well: CORRAL DRAW 14-13 FED 35H
 Wellbore: WB00
 Design: Permitting Plan

WELL DETAILS: CORRAL DRAW 14-13 FED 35H

+N/-S 0.00 +E/-W 0.00 Ground Level: 3101.00
 Northing 409754.25 Easting 657974.63 Latitude 32° 7' 33.357976 N Longitude 103° 57' 23.599218 W
 DATUM @ 3127.50ft



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

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		STEP OUT DLS 2.00
2	6165.06	0.00	0.00	6165.00	0.00	0.00	0.00	0.00	0.00		HOLD 10 DEG TANGENT
3	6665.06	10.00	78.05	6662.53	9.01	42.59	2.00	78.05	42.75		DROP BACK TO VERTICAL DLS 2.00
4	9139.65	10.00	78.05	9099.51	98.00	463.04	0.00	0.00	464.82		BUILD CURVE 10 DEG / 100
5	9639.72	0.00	89.63	9597.04	107.02	505.63	2.00	180.00	507.57		LANDING POINT
6	10531.72	89.20	89.63	10169.94	110.63	1070.58	10.00	89.63	1072.49		
7	17689.67	89.20	89.63	10270.00	156.45	8227.69	0.00	180.00	8229.17		TD at 17689.67

Oxy Planning Report

Database: HOPSPP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: CORRAL DRAW 14-13 FED
Well: CORRAL DRAW 14-13 FED 35H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Site CORRAL DRAW 14-13 FED
TVD Reference: DATUM @ 3127.50ft
MD Reference: DATUM @ 3127.50ft
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
From:	Map	Easting:	658,521.67 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in
		Latitude:	32° 8' 1.782764 N
		Longitude:	103° 57' 17.120220 W
		Grid Convergence:	0.20 °

Well	CORRAL DRAW 14-13 FED 35H		
Well Position	+N/-S	-2,874.49 ft	Northing: 409,754.25 usft
	+E/-W	-547.08 ft	Easting: 657,974.63 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	0.00 ft
		Latitude:	32° 7' 33.357976 N
		Longitude:	103° 57' 23.599219 W
		Ground Level:	3,101.00 ft

Wellbore	WB00		
Magnetics	Model Name	Sample Date	Declination
			(°)
	HDGM	1/18/2018	6.97
			Dip Angle
			(°)
			59.85
			Field Strength
			(nT)
			48,009

Design	Permitting Plan		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.00	-2,874.49	-547.08
			Direction
			(°)
			88.91

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	-2,874.49	-547.08	0.00	0.00	0.00	0.00	
6,165.00	0.00	0.00	6,165.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00	
6,665.06	10.00	78.05	6,662.53	-2,865.48	-504.49	2.00	2.00	0.00	78.05	
9,139.65	10.00	78.05	9,099.51	-2,776.49	-84.04	0.00	0.00	0.00	0.00	
9,639.72	0.00	89.63	9,597.04	-2,767.47	-41.45	2.00	-2.00	0.00	180.00	CD_14-13_FED_35
10,531.72	89.20	89.63	10,169.94	-2,763.86	523.49	10.00	10.00	0.00	89.63	
17,689.67	89.20	89.63	10,270.00	-2,718.04	7,680.60	0.00	0.00	0.00	180.00	CD_14-13_FED_35

Oxy Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Site CORRAL DRAW 14-13 FED
Company:	ENGINEERING DESIGNS	TVD Reference:	DATUM @ 3127.50ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	DATUM @ 3127.50ft
Site:	CORRAL DRAW 14-13 FED	North Reference:	Grid
Well:	CORRAL DRAW 14-13 FED 35H	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	-2,874.49	-547.08	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Site CORRAL DRAW 14-13 FED
Company:	ENGINEERING DESIGNS	TVD Reference:	DATUM @ 3127.50ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	DATUM @ 3127.50ft
Site:	CORRAL DRAW 14-13 FED	North Reference:	Grid
Well:	CORRAL DRAW 14-13 FED 35H	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)
5,400.00	0.00	0.00	5,400.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
6,165.00	0.00	0.00	6,165.00	-2,874.49	-547.08	0.00	0.00	0.00	0.00
6,200.00	0.70	78.05	6,200.00	-2,874.45	-546.87	0.21	2.00	2.00	0.00
6,300.00	2.70	78.05	6,299.95	-2,873.83	-543.97	3.12	2.00	2.00	0.00
6,400.00	4.70	78.05	6,399.74	-2,872.50	-537.66	9.46	2.00	2.00	0.00
6,500.00	6.70	78.05	6,499.24	-2,870.44	-527.94	19.21	2.00	2.00	0.00
6,600.00	8.70	78.05	6,598.33	-2,867.67	-514.83	32.37	2.00	2.00	0.00
6,665.06	10.00	78.05	6,662.53	-2,865.48	-504.49	42.75	2.00	2.00	0.00
6,700.00	10.00	78.05	6,696.93	-2,864.22	-498.56	48.71	0.00	0.00	0.00
6,800.00	10.00	78.05	6,795.41	-2,860.63	-481.57	65.77	0.00	0.00	0.00
6,900.00	10.00	78.05	6,893.89	-2,857.03	-464.57	82.82	0.00	0.00	0.00
7,000.00	10.00	78.05	6,992.37	-2,853.43	-447.58	99.88	0.00	0.00	0.00
7,100.00	10.00	78.05	7,090.86	-2,849.84	-430.59	116.94	0.00	0.00	0.00
7,200.00	10.00	78.05	7,189.34	-2,846.24	-413.60	133.99	0.00	0.00	0.00
7,300.00	10.00	78.05	7,287.82	-2,842.64	-396.61	151.05	0.00	0.00	0.00
7,400.00	10.00	78.05	7,386.30	-2,839.05	-379.62	168.10	0.00	0.00	0.00
7,500.00	10.00	78.05	7,484.78	-2,835.45	-362.63	185.16	0.00	0.00	0.00
7,600.00	10.00	78.05	7,583.26	-2,831.86	-345.64	202.22	0.00	0.00	0.00
7,700.00	10.00	78.05	7,681.74	-2,828.26	-328.65	219.27	0.00	0.00	0.00
7,800.00	10.00	78.05	7,780.22	-2,824.66	-311.66	236.33	0.00	0.00	0.00
7,900.00	10.00	78.05	7,878.70	-2,821.07	-294.67	253.38	0.00	0.00	0.00
8,000.00	10.00	78.05	7,977.18	-2,817.47	-277.68	270.44	0.00	0.00	0.00
8,100.00	10.00	78.05	8,075.66	-2,813.88	-260.69	287.50	0.00	0.00	0.00
8,200.00	10.00	78.05	8,174.14	-2,810.28	-243.70	304.55	0.00	0.00	0.00
8,300.00	10.00	78.05	8,272.62	-2,806.68	-226.71	321.61	0.00	0.00	0.00
8,400.00	10.00	78.05	8,371.10	-2,803.09	-209.72	338.66	0.00	0.00	0.00
8,500.00	10.00	78.05	8,469.58	-2,799.49	-192.72	355.72	0.00	0.00	0.00
8,600.00	10.00	78.05	8,568.06	-2,795.89	-175.73	372.78	0.00	0.00	0.00
8,700.00	10.00	78.05	8,666.54	-2,792.30	-158.74	389.83	0.00	0.00	0.00
8,800.00	10.00	78.05	8,765.02	-2,788.70	-141.75	406.89	0.00	0.00	0.00
8,900.00	10.00	78.05	8,863.50	-2,785.11	-124.76	423.94	0.00	0.00	0.00
9,000.00	10.00	78.05	8,961.98	-2,781.51	-107.77	441.00	0.00	0.00	0.00
9,100.00	10.00	78.05	9,060.46	-2,777.91	-90.78	458.06	0.00	0.00	0.00
9,139.65	10.00	78.05	9,099.51	-2,776.49	-84.04	464.82	0.00	0.00	0.00
9,200.00	8.79	78.05	9,159.05	-2,774.45	-74.40	474.50	2.00	-2.00	0.00
9,300.00	6.79	78.05	9,258.12	-2,771.64	-61.14	487.81	2.00	-2.00	0.00
9,400.00	4.79	78.05	9,357.60	-2,769.55	-51.26	497.73	2.00	-2.00	0.00
9,500.00	2.79	78.05	9,457.38	-2,768.18	-44.79	504.23	2.00	-2.00	0.00
9,600.00	0.79	78.05	9,557.33	-2,767.53	-41.72	507.30	2.00	-2.00	0.00
9,639.72	0.00	89.63	9,597.04	-2,767.47	-41.45	507.57	2.00	-2.00	0.00
9,700.00	6.03	89.63	9,657.21	-2,767.45	-38.28	510.74	10.00	10.00	0.00
9,800.00	16.03	89.63	9,755.24	-2,767.33	-19.18	529.84	10.00	10.00	0.00
9,900.00	26.03	89.63	9,848.46	-2,767.10	16.66	565.68	10.00	10.00	0.00
10,000.00	36.03	89.63	9,934.05	-2,766.77	68.14	617.15	10.00	10.00	0.00
10,100.00	46.03	89.63	10,009.39	-2,766.35	133.69	682.71	10.00	10.00	0.00
10,200.00	56.03	89.63	10,072.20	-2,765.86	211.34	760.35	10.00	10.00	0.00
10,300.00	66.03	89.63	10,120.58	-2,765.30	298.71	847.72	10.00	10.00	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 35H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Site CORRAL DRAW 14-13 FED
TVD Reference: DATUM @ 3127.50ft
MD Reference: DATUM @ 3127.50ft
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)
10,400.00	76.03	89.63	10,153.05	-2,764.69	393.16	942.16	10.00	10.00	0.00
10,500.00	86.03	89.63	10,168.62	-2,764.06	491.81	1,040.80	10.00	10.00	0.00
10,531.72	89.20	89.63	10,169.94	-2,763.86	523.49	1,072.49	10.00	10.00	0.00
10,600.00	89.20	89.63	10,170.90	-2,763.42	591.77	1,140.76	0.00	0.00	0.00
10,700.00	89.20	89.63	10,172.29	-2,762.78	691.76	1,240.74	0.00	0.00	0.00
10,800.00	89.20	89.63	10,173.69	-2,762.14	791.74	1,340.72	0.00	0.00	0.00
10,900.00	89.20	89.63	10,175.09	-2,761.50	891.73	1,440.70	0.00	0.00	0.00
11,000.00	89.20	89.63	10,176.48	-2,760.86	991.72	1,540.69	0.00	0.00	0.00
11,100.00	89.20	89.63	10,177.88	-2,760.22	1,091.71	1,640.67	0.00	0.00	0.00
11,200.00	89.20	89.63	10,179.28	-2,759.58	1,191.70	1,740.65	0.00	0.00	0.00
11,300.00	89.20	89.63	10,180.67	-2,758.94	1,291.69	1,840.63	0.00	0.00	0.00
11,400.00	89.20	89.63	10,182.07	-2,758.30	1,391.67	1,940.61	0.00	0.00	0.00
11,500.00	89.20	89.63	10,183.47	-2,757.66	1,491.66	2,040.60	0.00	0.00	0.00
11,600.00	89.20	89.63	10,184.86	-2,757.02	1,591.65	2,140.58	0.00	0.00	0.00
11,700.00	89.20	89.63	10,186.26	-2,756.38	1,691.64	2,240.56	0.00	0.00	0.00
11,800.00	89.20	89.63	10,187.66	-2,755.74	1,791.63	2,340.54	0.00	0.00	0.00
11,900.00	89.20	89.63	10,189.05	-2,755.10	1,891.61	2,440.53	0.00	0.00	0.00
12,000.00	89.20	89.63	10,190.45	-2,754.46	1,991.60	2,540.51	0.00	0.00	0.00
12,100.00	89.20	89.63	10,191.85	-2,753.82	2,091.59	2,640.49	0.00	0.00	0.00
12,200.00	89.20	89.63	10,193.24	-2,753.18	2,191.58	2,740.47	0.00	0.00	0.00
12,300.00	89.20	89.63	10,194.64	-2,752.54	2,291.57	2,840.45	0.00	0.00	0.00
12,400.00	89.20	89.63	10,196.04	-2,751.90	2,391.56	2,940.44	0.00	0.00	0.00
12,500.00	89.20	89.63	10,197.43	-2,751.26	2,491.54	3,040.42	0.00	0.00	0.00
12,600.00	89.20	89.63	10,198.83	-2,750.62	2,591.53	3,140.40	0.00	0.00	0.00
12,700.00	89.20	89.63	10,200.23	-2,749.98	2,691.52	3,240.38	0.00	0.00	0.00
12,800.00	89.20	89.63	10,201.63	-2,749.34	2,791.51	3,340.37	0.00	0.00	0.00
12,900.00	89.20	89.63	10,203.02	-2,748.70	2,891.50	3,440.35	0.00	0.00	0.00
13,000.00	89.20	89.63	10,204.42	-2,748.06	2,991.48	3,540.33	0.00	0.00	0.00
13,100.00	89.20	89.63	10,205.82	-2,747.42	3,091.47	3,640.31	0.00	0.00	0.00
13,200.00	89.20	89.63	10,207.22	-2,746.78	3,191.46	3,740.30	0.00	0.00	0.00
13,300.00	89.20	89.63	10,208.61	-2,746.14	3,291.45	3,840.28	0.00	0.00	0.00
13,400.00	89.20	89.63	10,210.01	-2,745.50	3,391.44	3,940.26	0.00	0.00	0.00
13,500.00	89.20	89.63	10,211.41	-2,744.86	3,491.43	4,040.24	0.00	0.00	0.00
13,600.00	89.20	89.63	10,212.81	-2,744.22	3,591.41	4,140.22	0.00	0.00	0.00
13,700.00	89.20	89.63	10,214.20	-2,743.58	3,691.40	4,240.21	0.00	0.00	0.00
13,800.00	89.20	89.63	10,215.60	-2,742.94	3,791.39	4,340.19	0.00	0.00	0.00
13,900.00	89.20	89.63	10,217.00	-2,742.30	3,891.38	4,440.17	0.00	0.00	0.00
14,000.00	89.20	89.63	10,218.40	-2,741.66	3,991.37	4,540.15	0.00	0.00	0.00
14,100.00	89.20	89.63	10,219.79	-2,741.02	4,091.35	4,640.14	0.00	0.00	0.00
14,200.00	89.20	89.63	10,221.19	-2,740.38	4,191.34	4,740.12	0.00	0.00	0.00
14,300.00	89.20	89.63	10,222.59	-2,739.74	4,291.33	4,840.10	0.00	0.00	0.00
14,400.00	89.20	89.63	10,223.99	-2,739.10	4,391.32	4,940.08	0.00	0.00	0.00
14,500.00	89.20	89.63	10,225.39	-2,738.46	4,491.31	5,040.07	0.00	0.00	0.00
14,600.00	89.20	89.63	10,226.78	-2,737.82	4,591.30	5,140.05	0.00	0.00	0.00
14,700.00	89.20	89.63	10,228.18	-2,737.18	4,691.28	5,240.03	0.00	0.00	0.00
14,800.00	89.20	89.63	10,229.58	-2,736.54	4,791.27	5,340.01	0.00	0.00	0.00
14,900.00	89.20	89.63	10,230.98	-2,735.90	4,891.26	5,439.99	0.00	0.00	0.00
15,000.00	89.20	89.63	10,232.38	-2,735.26	4,991.25	5,539.98	0.00	0.00	0.00
15,100.00	89.20	89.63	10,233.77	-2,734.62	5,091.24	5,639.96	0.00	0.00	0.00
15,200.00	89.20	89.63	10,235.17	-2,733.98	5,191.22	5,739.94	0.00	0.00	0.00
15,300.00	89.20	89.63	10,236.57	-2,733.34	5,291.21	5,839.92	0.00	0.00	0.00
15,400.00	89.20	89.63	10,237.97	-2,732.70	5,391.20	5,939.91	0.00	0.00	0.00
15,500.00	89.20	89.63	10,239.37	-2,732.06	5,491.19	6,039.89	0.00	0.00	0.00
15,600.00	89.20	89.63	10,240.77	-2,731.42	5,591.18	6,139.87	0.00	0.00	0.00

Oxy Planning Report

Database: HOPSPP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: CORRAL DRAW 14-13 FED
Well: CORRAL DRAW 14-13 FED 35H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Site CORRAL DRAW 14-13 FED
TVD Reference: DATUM @ 3127.50ft
MD Reference: DATUM @ 3127.50ft
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	89.20	89.63	10,242.16	-2,730.78	5,691.17	6,239.85	0.00	0.00	0.00
15,800.00	89.20	89.63	10,243.56	-2,730.14	5,791.15	6,339.83	0.00	0.00	0.00
15,900.00	89.20	89.63	10,244.96	-2,729.50	5,891.14	6,439.82	0.00	0.00	0.00
16,000.00	89.20	89.63	10,246.36	-2,728.86	5,991.13	6,539.80	0.00	0.00	0.00
16,100.00	89.20	89.63	10,247.76	-2,728.22	6,091.12	6,639.78	0.00	0.00	0.00
16,200.00	89.20	89.63	10,249.16	-2,727.58	6,191.11	6,739.76	0.00	0.00	0.00
16,300.00	89.20	89.63	10,250.56	-2,726.93	6,291.09	6,839.75	0.00	0.00	0.00
16,400.00	89.20	89.63	10,251.96	-2,726.29	6,391.08	6,939.73	0.00	0.00	0.00
16,500.00	89.20	89.63	10,253.35	-2,725.65	6,491.07	7,039.71	0.00	0.00	0.00
16,600.00	89.20	89.63	10,254.75	-2,725.01	6,591.06	7,139.69	0.00	0.00	0.00
16,700.00	89.20	89.63	10,256.15	-2,724.37	6,691.05	7,239.68	0.00	0.00	0.00
16,800.00	89.20	89.63	10,257.55	-2,723.73	6,791.04	7,339.66	0.00	0.00	0.00
16,900.00	89.20	89.63	10,258.95	-2,723.09	6,891.02	7,439.64	0.00	0.00	0.00
17,000.00	89.20	89.63	10,260.35	-2,722.45	6,991.01	7,539.62	0.00	0.00	0.00
17,100.00	89.20	89.63	10,261.75	-2,721.81	7,091.00	7,639.60	0.00	0.00	0.00
17,200.00	89.20	89.63	10,263.15	-2,721.17	7,190.99	7,739.59	0.00	0.00	0.00
17,300.00	89.20	89.63	10,264.55	-2,720.53	7,290.98	7,839.57	0.00	0.00	0.00
17,400.00	89.20	89.63	10,265.95	-2,719.89	7,390.96	7,939.55	0.00	0.00	0.00
17,500.00	89.20	89.63	10,267.35	-2,719.25	7,490.95	8,039.53	0.00	0.00	0.00
17,600.00	89.20	89.63	10,268.75	-2,718.61	7,590.94	8,139.52	0.00	0.00	0.00
17,689.67	89.20	89.63	10,270.00	-2,718.04	7,680.60	8,229.17	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_35H_ - plan hits target center - Point	0.00	0.00	9,597.04	-2,767.47	-41.45	409,861.26	658,480.22	32° 7' 34.399412 N	103° 57' 17.715332
CD_14-13_FED_35H_ - plan hits target center - Point	0.00	0.00	10,270.00	-2,718.04	7,680.60	409,910.69	666,201.68	32° 7' 34.611349 N	103° 55' 47.920063

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
6,165.00	6,165.00	-2,874.49	-547.08	STEP OUT DLS 2.00
6,665.06	6,662.53	-2,865.48	-504.49	HOLD 10 DEG TANGENT
9,139.65	9,099.51	-2,776.49	-84.04	DROP BACK TO VERTICAL DLS 2.00
9,639.72	9,597.04	-2,767.47	-41.45	BUILD CURVE 10 DEG / 100
10,531.72	10,169.94	-2,763.86	523.49	LANDING POINT
17,689.67	10,270.00	-2,718.04	7,680.60	TD at 17689.67



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 #35H
S/2 SE/2 Section 14 and S/2 S/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", with a stylized flourish at the end.

Kacie Cruz
Development Production Engineer

Application Non-Standard Location - Service List
OXY USA Inc.
Corral Draw 14-13 Federal #35H

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 I, J, K, L, M, N, O, P

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 I, J, K, N, O, P

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

T25S-R30E

Section 18 - Units L, M

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

LMBI OG NM LLC
 201 Main Street, Suite 2700
 Fort Worth, Texas 76102
 7017-0190-0000-4589-1824

Keystone OG NM LLC
 201 Main Street, Suite 2700
 Fort Worth, Texas 76102
 7017-0190-0000-4589-1831

CTV OG NM LLC
 201 Main Street, Suite 2700
 Fort Worth, Texas 76102
 7017-0190-0000-4589-1855

Thru Line OG NM LLC
 201 Main Street, Suite 2700
 Fort Worth, Texas 76102
 7017-0190-0000-4589-1862

SRBI OG NM LLC
 201 Main Street, Suite 2700
 Fort Worth, Texas 76102
 7017-0190-0000-4589-1817

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



Sarah Mitchell
 OXY USA Inc.

Lowe, Leonard, EMNRD

From: Sarah_Mitchell@oxy.com
Sent: Tuesday, June 5, 2018 1:50 PM
To: Lowe, Leonard, EMNRD
Subject: Corral Draw 14-13 Federal #35H--NSL Application
Attachments: CorralDraw14-13Fd35H-NSLSL.pdf

Good afternoon Mr. Lowe,

Thank you for your phone call this afternoon regarding the above-referenced well. Attached please find the revised Service List with the corrected legal description for Section 18; the service list now correctly states the legal description of the parties who received the notice and matches the cover letter.

I apologize for this typo in the application and appreciate the opportunity to correct the error.

Please let me know if I can provide you any additional information.

Thank you again,
Sarah

Sarah H. Mitchell | Regulatory Advisor
Occidental Oil & Gas Corp | 6001 Deauville Blvd. | Midland, Texas 79706
Office: (432)-699-4318 | Facsimile: (713)-985-8889

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/>