

RECEIVED: <u>8/21/2017</u>	REVIEWER: <u>LRL</u>	TYPE: <u>NSL</u>	APP NO: <u>PLEL 1723360257</u>
----------------------------	----------------------	------------------	--------------------------------

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: Nimitz MDP1 13 Federal Com #2H **API:** 30-015-pending
Pool: Cotton Draw; Bone Spring **Pool Code:** 13367

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 or working interest owners

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

8/18/17

Date

432-699-4318

Phone Number

Sarah_mitchell@oxy.com

e-mail Address

Sarah Mitchell

Signature



OXY USA Inc

PO Box 50250
Midland, TX 79710-0250

August 18, 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 –
Nimitz MDP1 13 Federal Com #2H – Cotton Draw; Bone Spring
Surface – 379 FSL 838 FEL Ut P Sec 12 T24S R30E
Top Perforation – 340 FNL 1270 FEL Ut A Sec 13 T24S R30E
Bottom Perforation – 340 FSL 1270 FEL Ut P Sec 13 T24S R30E
Bottom Hole – 180 FSL 1270 FEL Ut P Sec 13 T24S R30E
Eddy County, New Mexico***

Dear Mr. Lowe:

OXY USA Inc. respectfully requests administrative approval of a non-standard location on the Nimitz MDP1 13 Federal Com #2H well, API Number-30-015-Pending, Property Code Pending. The #2H well is proposed to be completed in the Cotton Draw; Bone Spring, Pool Code 13367. 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 – 379 FSL 838 FEL Ut P Sec 12 T24S R30E
Top Perforation – 340 FNL 1270 FEL Ut A Sec 13 T24S R30E 250'
Bottom Perforation – 340 FSL 1270 FEL Ut P Sec 13 T24S R30E 250'
Bottom Hole – 180 FSL 1270 FEL Ut P Sec 13 T24S R30E

The adjoining spacing units towards which the unorthodox location encroaches are located in T24S R30E, Section 12- Unit O, Section 13-Units B, G, J, O, Section 24- Unit B

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

August 18, 2017

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Re: ***Application for Administrative Approval of Non-Standard Location –
Nimitz MDP1 13 Federal Com #2H – Cotton Draw; Bone Spring
Surface – 379 FSL 838 FEL Ut P Sec 12 T24S R30E
Top Perforation – 340 FNL 1270 FEL Ut A Sec 13 T24S R30E
Bottom Perforation – 340 FSL 1270 FWL Ut P Sec 13 T24S R30E
Bottom Hole – 180 FSL 1270 FEL Ut P Sec 13 T24S R30E
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 – 379 FSL 838 FEL Ut P Sec 12 T24S R30E
Top Perforation – 340 FNL 1270 FEL Ut A Sec 13 T24S R30E
Bottom Perforation – 340 FSL 1270 FWL Ut P Sec 13 T24S R30E
Bottom Hole – 180 FSL 1270 FEL Ut P Sec 13 T24S R30E

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

1a. Type of work: ☒ DRILL ☐ REENTER		5. Lease Serial No. NMNM82896
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 INC		7. If Unit or CA Agreement, Name and No.
3a. Address 5 Greenway Plaza, Suite 110 Houston TX 770	3b. Phone No. (include area code) (713)366-5716	8. Lease Name and Well No. NIMITZ MDP1 13 FEDERAL COM 2H
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface SESE / 379 FSL / 838 FEL / LAT 32.226186 / LONG -103.8283752 At proposed prod. zone SESE / 180 FSL / 1270 FEL / LAT 32.2111169 / LONG -103.8297836		9. API Well No.
14. Distance in miles and direction from nearest town or post office* 15 miles		10. Field and Pool, or Exploratory COTTON DRAW BONE SPRING / 2ND I
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 110 feet	16. No. of acres in lease 880	11. Sec., T. R. M. or Blk. and Survey or Area SEC 12 / T24S / R30E / NMP
17. Spacing Unit dedicated to this well 160	18. Distance from proposed location* to nearest well, drilling, completed, 30 feet applied for, on this lease, ft. 30 feet	12. County or Parish EDDY
19. Proposed Depth 9967 feet / 14764 feet	20. BLM/BIA Bond No. on file FED: ESB000226	13. State NM
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3526 feet	22. Approximate date work will start* 08/19/2018	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:

- | | |
|--|---|
| 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) Sarah Mitchell / Ph: (432)699-4318	Date 06/22/2017
Title Regulatory Specialist		
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.

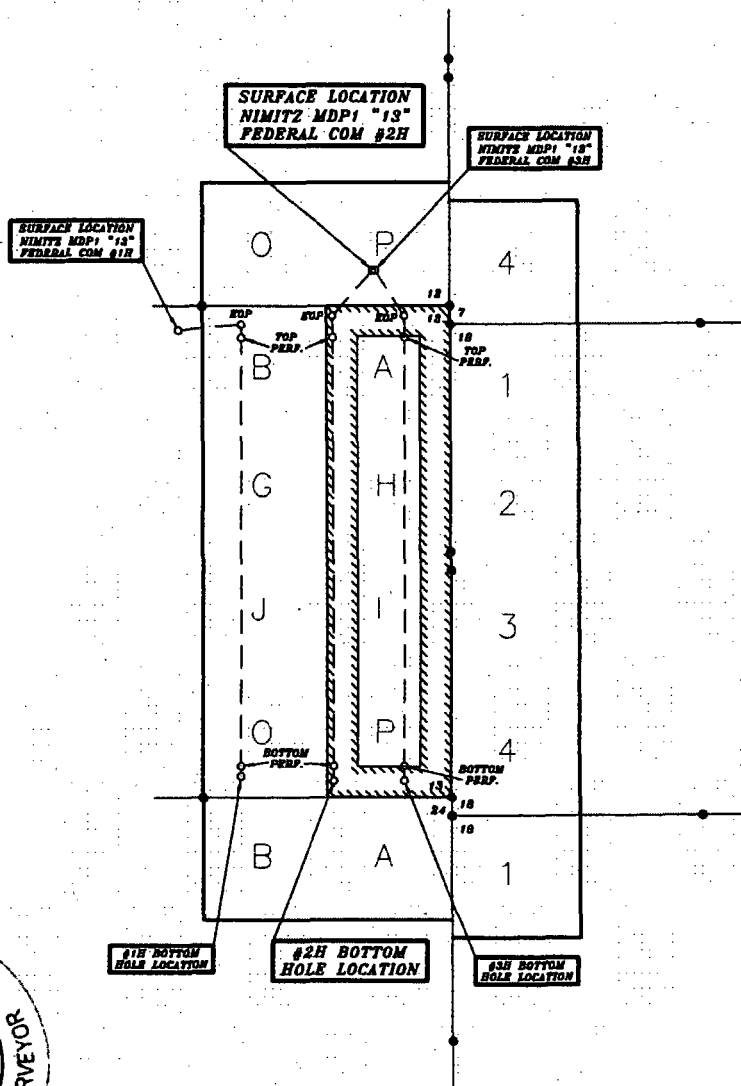
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

OXY USA INC.

NIMITZ MDP1 "13" FEDERAL COM #2H
SECTIONS 12, 13 & 24, TOWNSHIP 24 SOUTH, RANGE 30 EAST
AND SECTIONS 7, 18 & 19, TOWNSHIP 24 SOUTH,
RANGE 31 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO



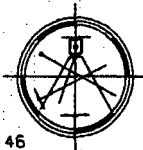
SURVEYORS CERTIFICATE

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 7/27/2017
Terry J. Asel N.M. R.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'

District I
1623 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-4720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-4720
District III
1000 Rio Grande Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6178
District IV
1239 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 13367	Pool Name Cotton Draw; Bone Spring
Property Code	Property Name NIMITZ MDP1 "13" FEDERAL COM	Well Number 2H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3525.9'

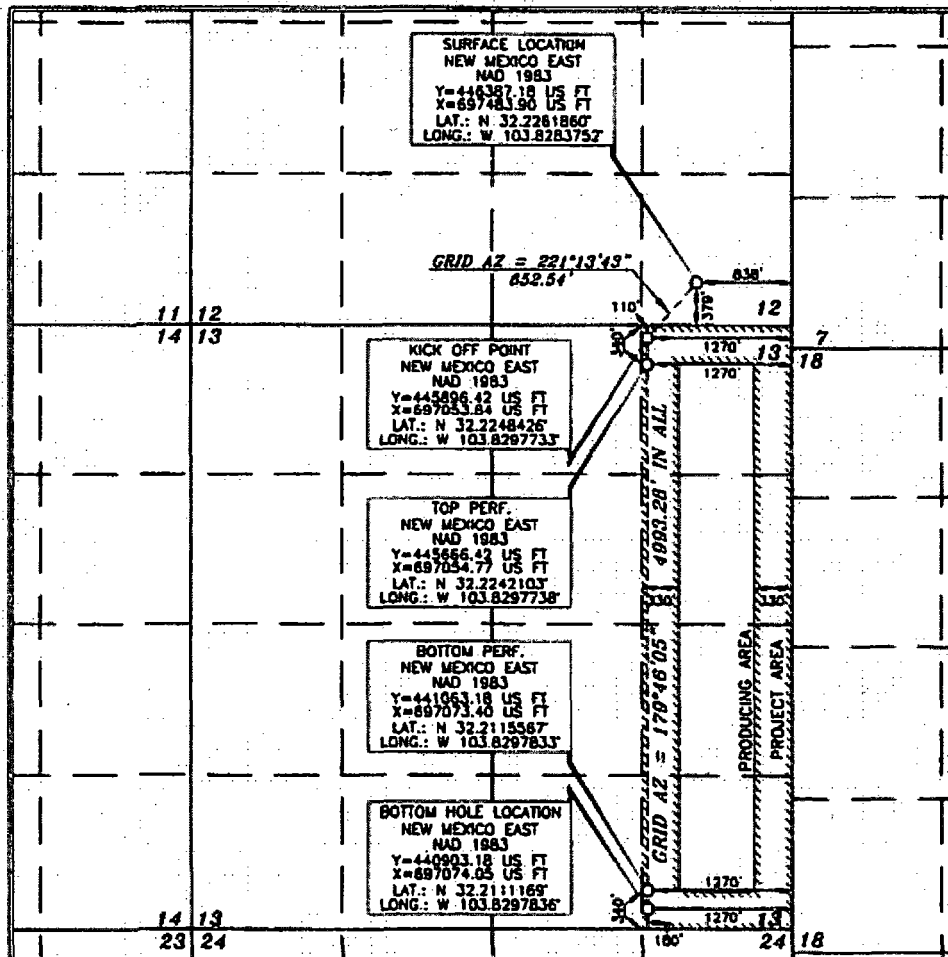
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	12	24 SOUTH	30 EAST, N.M.P.M.		379'	SOUTH	838'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	13	24 SOUTH	30 EAST, N.M.P.M.		180'	SOUTH	1270'	EAST	EDDY
Dedicated Acres 160	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 as a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Sarah Mitchell 6/8/2017
Signature Date

Sarah Mitchell
Printed Name
sarah.mitchell@oxy.com
E-mail Address

SURVEYOR CERTIFICATION

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

James A. Smith
Date of Survey Signature and Seal of Professional Surveyor
15079

James A. Smith 5/10/2017
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 30-015-	Pool Code 13367	Pool Name Cotton Draw; Bone Spring
Property Code	Property Name NIMITZ MDP1 "13" FEDERAL COM	Well Number 1H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3506.2'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	13	24 SOUTH	30 EAST, N.M.P.M.		258'	NORTH	2405'	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
O	13	24 SOUTH	30 EAST, N.M.P.M.		230'	SOUTH	2268'	EAST	EDDY

Dedicated Acres 160	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.

SURFACE LOCATION NEW MEXICO EAST NAD 1983 Y=445742.28 US FT X=695395.61 US FT LAT.: N 32.2244401° LONG.: W 103.8351379° KICK OFF POINT NEW MEXICO EAST NAD 1983 Y=445802.39 US FT X=696071.18 US FT LAT.: N 32.2245967° LONG.: W 103.8329524° TOP PERF. NEW MEXICO EAST NAD 1983 Y=445692.39 US FT X=696071.32 US FT LAT.: N 32.2242119° LONG.: W 103.8329540° BOTTOM PERF. NEW MEXICO EAST NAD 1983 Y=441059.88 US FT X=696075.73 US FT LAT.: N 32.2115604° LONG.: W 103.8330090° BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1983 Y=440949.88 US FT X=696075.84 US FT LAT.: N 32.2112581° LONG.: W 103.8330104° GRID AZ = 84°54'55" 878.24' GRID AZ = 170°56'42" 4852.51' IN ALL PRODUCING AREA PROJECT AREA 258', 2405', 2253', 2253', 200', 340', 330', 230', 2268', 2268', 340'	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. 4/24/2017 Signature: _____ Date: _____ Sarah Mitchell Printed Name sarah_mitchell@oxy.com E-mail Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from reliable surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 15079 FEBRUARY 3, 2016 Date of Survey Signature and Seal of Professional Land Surveyor Certificate Number 15079 WO# 160203WL-c (Rev. B) (KA)
---	---

District I
1623 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-6720
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-0720
District III
1000 Rio Bravo Road, Artesia, 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 13367	Pool Name Cotton Draw; Bone Spring
Property Code	Property Name NIMITZ MDP1 "13" FEDERAL COM	Well Number 3H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3526.1'

Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	12	24 SOUTH	30 EAST, N.M.P.M.		379'	SOUTH	808'	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
P	13	24 SOUTH	30 EAST, N.M.P.M.		180'	SOUTH	508'	EAST	EDDY

Dedicated Acres 160	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 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. <i>Sarah Mitchell</i> 6/8/2017 Signature Date Sarah Mitchell Printed Name sarah_mitchell@oxy.com E-mail Address SURVEYOR CERTIFICATION I hereby certify that the survey shown on this plat was made by me or under my supervision, and that the same is true and correct to the best of my belief. <i>Terry J. Paul</i> 5/18/2017 Signature Date 15079 Certificate Number WOF 16020JWL-b (Rev. B) (KA)
--	---

Application Non-Standard Location - Service List

OXY USA Inc.

Nimitz MDP1 13 Federal Com #2H

1

New Mexico Oil Conservation Division

811 S. First St.

Artesia, NM 88210

7009 1680 0001 4253 7003

New Mexico Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

7017 0190 0000 4589 1404

United States Dept of Interior

Bureau of Land Management

620 E. Greene Street

Carlsbad, NM 88220

7017 0190 0000 4589 1411

T24S R30E

Section 12 - Unit O

OXY USA Inc. -60% WI

P.O. Box 50250

Midland, Texas 79710

EOG Resources, Inc. - 40% WI

P.O. Box 2267

Midland, Texas 79702

7017 0190 0000 4589 1732

Section 13 - Units B, G

OXY USA Inc. -60% WI

P.O. Box 50250

Midland, Texas 79710

EOG Resources, Inc. - 40% WI

P.O. Box 2267

Midland, Texas 79702

7017 0190 0000 4589 1732

Section 13- Units J, O

COG Production, LLC - 100% WI

600 W. Illinois Ave.

Midland, Texas 79701

7017 0190 0000 4589 1749

Section 24- Units B

BOPCO, L. P.- Operator

201 Main St. Ste. 2700

Fort Worth, Texas 76102-3131

7017 0190 0000 4589 1756

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

18-Aug-2017



Sarah Mitchell
OXY USA Inc.



Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: NIMITZ MDP1 13 FEDERAL COM
Well: NIMITZ MDP1 13 FEDERAL COM 2H
Wellbore: WB00
Design: Permitting Plan

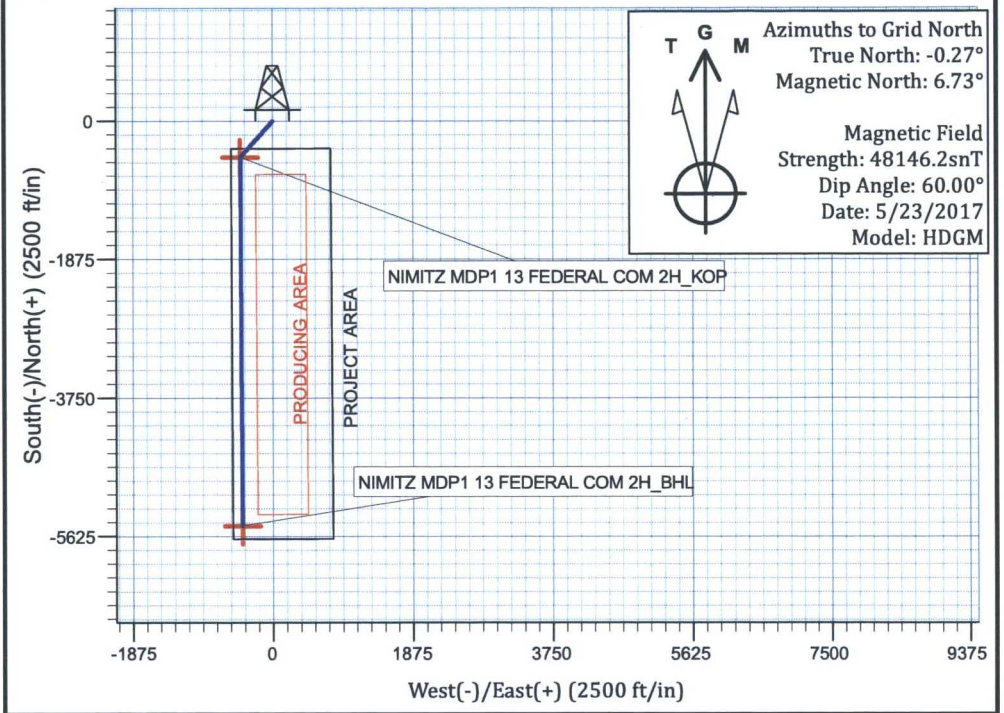
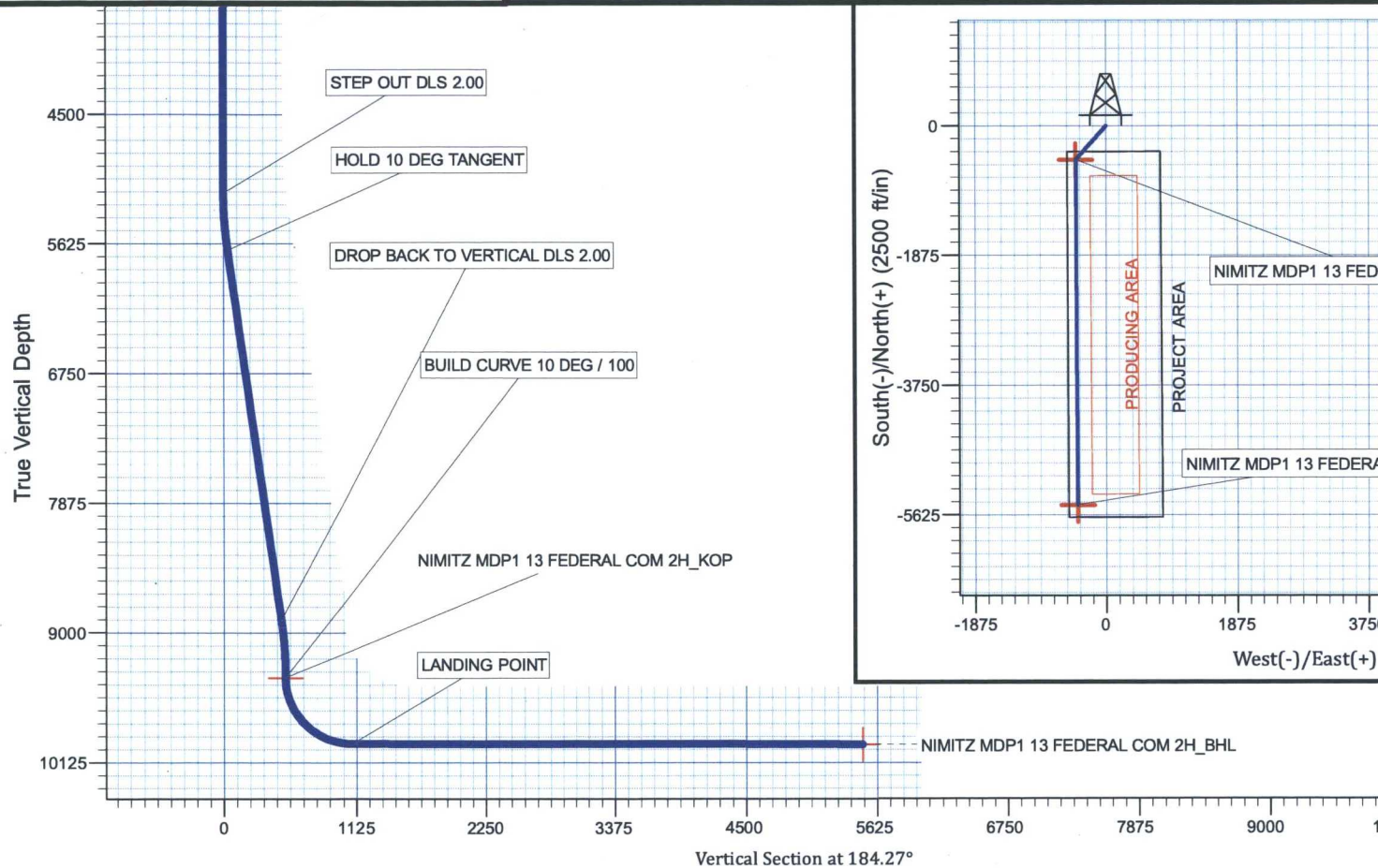
WELL DETAILS: NIMITZ MDP1 13 FEDERAL COM 2H

+N/-S +E/-W
0.00 0.00

Northing
446387.18

Ground Level: 3525.90
Easting
697483.90
Datum @ 3552.40ft

Latitude
32° 13' 34.269640 N
Longitude
103° 49' 42.150575 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	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	5185.00	0.00	0.00	5185.00	0.00	0.00	0.00	0.00	0.00		STEP OUT DLS 2.00
3	5684.72	9.99	221.23	5682.19	-32.70	-28.65	2.00	221.23	34.74		HOLD 10 DEG TANGENT
4	8943.82	9.99	221.23	8891.83	-458.10	-401.44	0.00	0.00	486.74		DROP BACK TO VERTICAL DLS 2.00
5	9443.54	0.00	179.77	9389.02	-490.79	-430.09	2.00	180.00	521.48		BUILD CURVE 10 DEG / 100
6	10343.54	90.00	179.77	9961.98	-1063.74	-427.77	10.00	179.77	1092.67		LANDING POINT
7	14764.19	89.87	179.77	9967.00	-5484.36	-409.88	0.00	180.00	5499.65		TD at 14764.19

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well NIMITZ MDP1 13 FEDERAL COM 2H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3552.40ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3552.40ft
Site:	NIMITZ MDP1 13 FEDERAL COM	North Reference:	Grid
Well:	NIMITZ MDP1 13 FEDERAL COM 2H	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	NIMITZ MDP1 13 FEDERAL COM		
Site Position:		Northing:	446,387.18 usft
From:	Map	Easting:	697,483.90 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in
		Latitude:	32° 13' 34.269641 N
		Longitude:	103° 49' 42.150575 W
		Grid Convergence:	0.27 °

Well	NIMITZ MDP1 13 FEDERAL COM 2H		
Well Position	+N/-S	0.00 ft	Northing: 446,387.18 usft
	+E/-W	0.00 ft	Easting: 697,483.90 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	0.00 ft
		Latitude:	32° 13' 34.269641 N
		Longitude:	103° 49' 42.150575 W
		Ground Level:	3,525.90 ft

Wellbore	WB00				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	HDGM	5/23/2017	(°)	(°)	(nT)
			7.00	60.00	48,146

Design	Permitting Plan			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	184.27

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	
5,185.00	0.00	0.00	5,185.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,684.72	9.99	221.23	5,682.19	-32.70	-28.65	2.00	2.00	0.00	221.23	
8,943.82	9.99	221.23	8,891.83	-458.10	-401.44	0.00	0.00	0.00	0.00	
9,443.54	0.00	179.77	9,389.02	-490.79	-430.09	2.00	-2.00	0.00	180.00	NIMITZ MDP1 13
10,343.54	90.00	179.77	9,961.98	-1,063.75	-427.77	10.00	10.00	0.00	179.77	
14,764.19	89.87	179.77	9,967.00	-5,484.36	-409.88	0.00	0.00	0.00	180.00	NIMITZ MDP1 13

Oxy Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Well NIMITZ MDP1 13 FEDERAL COM 2H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3552.40ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3552.40ft
Site:	NIMITZ MDP1 13 FEDERAL COM	North Reference:	Grid
Well:	NIMITZ MDP1 13 FEDERAL COM 2H	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		NIMITZ MDP1 13 FEDERAL COM			
Site Position:		Northing:	446,387.18 usft	Latitude:	32° 13' 34.269641 N
From:	Map	Easting:	697,483.90 usft	Longitude:	103° 49' 42.150575 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.27 °

Well:	NIMITZ MDP1 13 FEDERAL COM 2H					
Well Position	+N/-S	0.00 ft	Northing:	446,387.18 usft	Latitude:	32° 13' 34.269641 N
	+E/-W	0.00 ft	Easting:	697,483.90 usft	Longitude:	103° 49' 42.150575 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	3,525.90 ft

Wellbore	WB00				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	HDGM	5/23/2017	7.00	60.00	48,146

Design	Permitting Plan			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	184.27

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	
5,185.00	0.00	0.00	5,185.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,684.72	9.99	221.23	5,682.19	-32.70	-28.65	2.00	2.00	0.00	221.23	
8,943.82	9.99	221.23	8,891.83	-458.10	-401.44	0.00	0.00	0.00	0.00	
9,443.54	0.00	179.77	9,389.02	-490.79	-430.09	2.00	-2.00	0.00	180.00	NIMITZ MDP1 13
10,343.54	90.00	179.77	9,961.98	-1,063.75	-427.77	10.00	10.00	0.00	179.77	
14,764.19	89.87	179.77	9,967.00	-5,484.36	-409.88	0.00	0.00	0.00	180.00	NIMITZ MDP1 13

Oxy Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Well NIMITZ MDP1 13 FEDERAL COM 2H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3552.40ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3552.40ft
Site:	NIMITZ MDP1 13 FEDERAL COM	North Reference:	Grid
Well:	NIMITZ MDP1 13 FEDERAL COM 2H	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
2,500.00	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
5,185.00	0.00	0.00	5,185.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.30	221.23	5,200.00	-0.03	-0.03	0.03	2.00	2.00	0.00

Oxy Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Well NIMITZ MDP1 13 FEDERAL COM 2H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3552.40ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3552.40ft
Site:	NIMITZ MDP1 13 FEDERAL COM	North Reference:	Grid
Well:	NIMITZ MDP1 13 FEDERAL COM 2H	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)
5,300.00	2.30	221.23	5,299.97	-1.74	-1.52	1.84	2.00	2.00	0.00
5,400.00	4.30	221.23	5,399.80	-6.06	-5.31	6.44	2.00	2.00	0.00
5,500.00	6.30	221.23	5,499.37	-13.01	-11.40	13.83	2.00	2.00	0.00
5,600.00	8.30	221.23	5,598.55	-22.57	-19.78	23.98	2.00	2.00	0.00
5,684.72	9.99	221.23	5,682.19	-32.70	-28.65	34.74	2.00	2.00	0.00
5,700.00	9.99	221.23	5,697.24	-34.69	-30.40	36.86	0.00	0.00	0.00
5,800.00	9.99	221.23	5,795.72	-47.74	-41.84	50.73	0.00	0.00	0.00
5,900.00	9.99	221.23	5,894.20	-60.80	-53.28	64.60	0.00	0.00	0.00
6,000.00	9.99	221.23	5,992.69	-73.85	-64.71	78.47	0.00	0.00	0.00
6,100.00	9.99	221.23	6,091.17	-86.90	-76.15	92.34	0.00	0.00	0.00
6,200.00	9.99	221.23	6,189.65	-99.95	-87.59	106.20	0.00	0.00	0.00
6,300.00	9.99	221.23	6,288.13	-113.01	-99.03	120.07	0.00	0.00	0.00
6,400.00	9.99	221.23	6,386.62	-126.06	-110.47	133.94	0.00	0.00	0.00
6,500.00	9.99	221.23	6,485.10	-139.11	-121.91	147.81	0.00	0.00	0.00
6,600.00	9.99	221.23	6,583.58	-152.16	-133.34	161.68	0.00	0.00	0.00
6,700.00	9.99	221.23	6,682.06	-165.22	-144.78	175.55	0.00	0.00	0.00
6,800.00	9.99	221.23	6,780.54	-178.27	-156.22	189.42	0.00	0.00	0.00
6,900.00	9.99	221.23	6,879.03	-191.32	-167.66	203.29	0.00	0.00	0.00
7,000.00	9.99	221.23	6,977.51	-204.38	-179.10	217.15	0.00	0.00	0.00
7,100.00	9.99	221.23	7,075.99	-217.43	-190.54	231.02	0.00	0.00	0.00
7,200.00	9.99	221.23	7,174.47	-230.48	-201.97	244.89	0.00	0.00	0.00
7,300.00	9.99	221.23	7,272.96	-243.53	-213.41	258.76	0.00	0.00	0.00
7,400.00	9.99	221.23	7,371.44	-256.59	-224.85	272.63	0.00	0.00	0.00
7,500.00	9.99	221.23	7,469.92	-269.64	-236.29	286.50	0.00	0.00	0.00
7,600.00	9.99	221.23	7,568.40	-282.69	-247.73	300.37	0.00	0.00	0.00
7,700.00	9.99	221.23	7,666.89	-295.74	-259.16	314.24	0.00	0.00	0.00
7,800.00	9.99	221.23	7,765.37	-308.80	-270.60	328.11	0.00	0.00	0.00
7,900.00	9.99	221.23	7,863.85	-321.85	-282.04	341.97	0.00	0.00	0.00
8,000.00	9.99	221.23	7,962.33	-334.90	-293.48	355.84	0.00	0.00	0.00
8,100.00	9.99	221.23	8,060.82	-347.95	-304.92	369.71	0.00	0.00	0.00
8,200.00	9.99	221.23	8,159.30	-361.01	-316.36	383.58	0.00	0.00	0.00
8,300.00	9.99	221.23	8,257.78	-374.06	-327.79	397.45	0.00	0.00	0.00
8,400.00	9.99	221.23	8,356.26	-387.11	-339.23	411.32	0.00	0.00	0.00
8,500.00	9.99	221.23	8,454.75	-400.17	-350.67	425.19	0.00	0.00	0.00
8,600.00	9.99	221.23	8,553.23	-413.22	-362.11	439.06	0.00	0.00	0.00
8,700.00	9.99	221.23	8,651.71	-426.27	-373.55	452.92	0.00	0.00	0.00
8,800.00	9.99	221.23	8,750.19	-439.32	-384.99	466.79	0.00	0.00	0.00
8,900.00	9.99	221.23	8,848.68	-452.38	-396.42	480.66	0.00	0.00	0.00
8,943.82	9.99	221.23	8,891.83	-458.10	-401.44	486.74	0.00	0.00	0.00
9,000.00	8.87	221.23	8,947.25	-465.02	-407.50	494.10	2.00	-2.00	0.00
9,100.00	6.87	221.23	9,046.30	-475.32	-416.53	505.04	2.00	-2.00	0.00
9,200.00	4.87	221.23	9,145.77	-483.01	-423.27	513.21	2.00	-2.00	0.00
9,300.00	2.87	221.23	9,245.54	-488.09	-427.72	518.61	2.00	-2.00	0.00
9,400.00	0.87	221.23	9,345.48	-490.54	-429.87	521.22	2.00	-2.00	0.00
9,443.54	0.00	179.77	9,389.02	-490.79	-430.09	521.48	2.00	-2.00	0.00
9,500.00	5.65	179.77	9,445.39	-493.57	-430.08	524.25	10.00	10.00	0.00
9,600.00	15.65	179.77	9,543.54	-512.02	-430.00	542.65	10.00	10.00	0.00
9,700.00	25.65	179.77	9,637.00	-547.24	-429.86	577.75	10.00	10.00	0.00
9,800.00	35.65	179.77	9,722.93	-598.14	-429.65	628.50	10.00	10.00	0.00
9,900.00	45.65	179.77	9,798.71	-663.20	-429.39	693.36	10.00	10.00	0.00
10,000.00	55.65	179.77	9,862.04	-740.43	-429.08	770.34	10.00	10.00	0.00
10,100.00	65.65	179.77	9,910.99	-827.48	-428.73	857.13	10.00	10.00	0.00
10,200.00	75.65	179.77	9,944.09	-921.70	-428.34	951.06	10.00	10.00	0.00
10,300.00	85.65	179.77	9,960.32	-1,020.25	-427.94	1,049.30	10.00	10.00	0.00

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well NIMITZ MDP1 13 FEDERAL COM 2H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3552.40ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3552.40ft
Site:	NIMITZ MDP1 13 FEDERAL COM	North Reference:	Grid
Well:	NIMITZ MDP1 13 FEDERAL COM 2H	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)
10,343.54	90.00	179.77	9,961.98	-1,063.75	-427.77	1,092.67	10.00	10.00	0.00
10,400.00	90.00	179.77	9,961.98	-1,120.21	-427.54	1,148.95	0.00	0.00	0.00
10,500.00	90.00	179.77	9,961.98	-1,220.20	-427.14	1,248.64	0.00	0.00	0.00
10,600.00	89.99	179.77	9,961.99	-1,320.20	-426.73	1,348.34	0.00	0.00	0.00
10,700.00	89.99	179.77	9,962.01	-1,420.20	-426.33	1,448.03	0.00	0.00	0.00
10,800.00	89.99	179.77	9,962.03	-1,520.20	-425.92	1,547.72	0.00	0.00	0.00
10,900.00	89.98	179.77	9,962.06	-1,620.20	-425.52	1,647.41	0.00	0.00	0.00
11,000.00	89.98	179.77	9,962.09	-1,720.20	-425.11	1,747.10	0.00	0.00	0.00
11,100.00	89.98	179.77	9,962.13	-1,820.20	-424.71	1,846.79	0.00	0.00	0.00
11,200.00	89.97	179.77	9,962.17	-1,920.20	-424.30	1,946.48	0.00	0.00	0.00
11,300.00	89.97	179.77	9,962.21	-2,020.20	-423.90	2,046.17	0.00	0.00	0.00
11,400.00	89.97	179.77	9,962.26	-2,120.20	-423.49	2,145.86	0.00	0.00	0.00
11,500.00	89.97	179.77	9,962.32	-2,220.20	-423.09	2,245.55	0.00	0.00	0.00
11,600.00	89.96	179.77	9,962.38	-2,320.20	-422.68	2,345.24	0.00	0.00	0.00
11,700.00	89.96	179.77	9,962.45	-2,420.19	-422.28	2,444.94	0.00	0.00	0.00
11,800.00	89.96	179.77	9,962.52	-2,520.19	-421.87	2,544.63	0.00	0.00	0.00
11,900.00	89.95	179.77	9,962.60	-2,620.19	-421.47	2,644.32	0.00	0.00	0.00
12,000.00	89.95	179.77	9,962.68	-2,720.19	-421.06	2,744.01	0.00	0.00	0.00
12,100.00	89.95	179.77	9,962.77	-2,820.19	-420.66	2,843.70	0.00	0.00	0.00
12,200.00	89.95	179.77	9,962.86	-2,920.19	-420.26	2,943.39	0.00	0.00	0.00
12,300.00	89.94	179.77	9,962.96	-3,020.19	-419.85	3,043.08	0.00	0.00	0.00
12,400.00	89.94	179.77	9,963.06	-3,120.19	-419.45	3,142.77	0.00	0.00	0.00
12,500.00	89.94	179.77	9,963.17	-3,220.19	-419.04	3,242.46	0.00	0.00	0.00
12,600.00	89.93	179.77	9,963.29	-3,320.19	-418.64	3,342.15	0.00	0.00	0.00
12,700.00	89.93	179.77	9,963.41	-3,420.19	-418.23	3,441.84	0.00	0.00	0.00
12,800.00	89.93	179.77	9,963.53	-3,520.19	-417.83	3,541.54	0.00	0.00	0.00
12,900.00	89.92	179.77	9,963.66	-3,620.18	-417.42	3,641.23	0.00	0.00	0.00
13,000.00	89.92	179.77	9,963.79	-3,720.18	-417.02	3,740.92	0.00	0.00	0.00
13,100.00	89.92	179.77	9,963.93	-3,820.18	-416.61	3,840.61	0.00	0.00	0.00
13,200.00	89.92	179.77	9,964.07	-3,920.18	-416.21	3,940.30	0.00	0.00	0.00
13,300.00	89.91	179.77	9,964.22	-4,020.18	-415.80	4,039.99	0.00	0.00	0.00
13,400.00	89.91	179.77	9,964.38	-4,120.18	-415.40	4,139.68	0.00	0.00	0.00
13,500.00	89.91	179.77	9,964.54	-4,220.18	-414.99	4,239.37	0.00	0.00	0.00
13,600.00	89.90	179.77	9,964.70	-4,320.18	-414.59	4,339.06	0.00	0.00	0.00
13,700.00	89.90	179.77	9,964.87	-4,420.18	-414.18	4,438.75	0.00	0.00	0.00
13,800.00	89.90	179.77	9,965.05	-4,520.18	-413.78	4,538.44	0.00	0.00	0.00
13,900.00	89.90	179.77	9,965.23	-4,620.17	-413.37	4,638.13	0.00	0.00	0.00
14,000.00	89.89	179.77	9,965.41	-4,720.17	-412.97	4,737.82	0.00	0.00	0.00
14,100.00	89.89	179.77	9,965.60	-4,820.17	-412.56	4,837.52	0.00	0.00	0.00
14,200.00	89.89	179.77	9,965.80	-4,920.17	-412.16	4,937.21	0.00	0.00	0.00
14,300.00	89.88	179.77	9,966.00	-5,020.17	-411.76	5,036.90	0.00	0.00	0.00
14,400.00	89.88	179.77	9,966.21	-5,120.17	-411.35	5,136.59	0.00	0.00	0.00
14,500.00	89.88	179.77	9,966.42	-5,220.17	-410.95	5,236.28	0.00	0.00	0.00
14,600.00	89.87	179.77	9,966.63	-5,320.17	-410.54	5,335.97	0.00	0.00	0.00
14,700.00	89.87	179.77	9,966.86	-5,420.17	-410.14	5,435.66	0.00	0.00	0.00
14,764.19	89.87	179.77	9,967.00	-5,484.36	-409.88	5,499.65	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well NIMITZ MDP1 13 FEDERAL COM 2H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3552.40ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3552.40ft
Site:	NIMITZ MDP1 13 FEDERAL COM	North Reference:	Grid
Well:	NIMITZ MDP1 13 FEDERAL COM 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
NIMITZ MDP1 13 - hit/miss target - Shape	0.00	0.00	9,389.02	-490.79	-430.09	445,896.42	697,053.84	32° 13' 29.433211 N	103° 49' 47.183924
NIMITZ MDP1 13 - plan hits target center - Point	0.00	0.00	9,967.00	-5,484.36	-409.88	440,903.18	697,074.05	32° 12' 40.020713 N	103° 49' 47.221023

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
5,185.00	5,185.00	0.00	0.00	STEP OUT DLS 2.00
5,684.72	5,682.19	-32.70	-28.65	HOLD 10 DEG TANGENT
8,943.82	8,891.83	-458.10	-401.44	DROP BACK TO VERTICAL DLS 2.00
9,443.54	9,389.02	-490.79	-430.09	BUILD CURVE 10 DEG / 100
10,343.54	9,961.98	-1,063.75	-427.77	LANDING POINT
14,764.19	9,967.00	-5,484.36	-409.88	TD at 14764.19



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

August 18, 2017

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.
Nimitz MDP1 13 Federal Com #2H
E/2 E/2 Section 13, T24S-R30E, 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 faint, circular, dotted background.

Kacie Cruz
Development Production Engineer

Lowe, Leonard, EMNRD

From: Lowe, Leonard, EMNRD
Sent: Tuesday, September 12, 2017 9:24 AM
To: Sarah_Mitchell@oxy.com
Cc: Podany, Raymond, EMNRD; McMillan, Michael, EMNRD; Goetze, Phillip, EMNRD; Jones, William V, EMNRD; 'jglover@blm.gov'; 'scaffey@blm.gov'; 'rjsanche@blm.gov'; 'lisa@rwbyram.com'; Sharp, Karen, EMNRD; 'David_Stewart@oxy.com'
Subject: APPROVED: NSL-7581_Nimitz MDP1 13 Federal Com No. 2H_SEC 12 24S 30E
Importance: High

Ms. Sarah Mitchell,

The following administrative order has been issued and will soon be available on the Division's web site:

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

NSL – 7581

Oxy USA, Inc.

WELL: API #: 30-015-PENDING

NAME: Nimitz MDP1 13 Federal Well No. 2Hsh

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/>