

RECEIVED: 10/19/17	REVIEWER: LRL	TYPE: NSL	APP NO: PLEL1729759194
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Geological & Engineering Bureau -

2017 001 131220 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 12 Federal #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

NSL - 7569-A

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

A. Location - Spacing Unit - Simultaneous Dedication

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

NSL-7569 - A

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 ownersB. ☐ 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.

10/12/2017

Sarah Mitchell

Date

Print or Type Name

432-699-4318

Phone Number

Sarah_mitchell@oxy.com

Signature

e-mail Address



OXY USA Inc

PO Box 50250
Midland, TX 79710-0250

October 12, 2017

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

Attention: Mr. Leonard Lowe

Re: **NSL- 7569**

***AMENDED Application for Administrative Approval of Non-Standard Location –
Nimitz MDP1 12 Federal #2H – Cotton Draw; Bone Spring
Surface – 450 FNL 1760 FWL Ut C Sec 13 T24S R30E
Top Perforation – 340 FSL 1271 FWL Ut M Sec 12 T24S R30E
Bottom Perforation – 340 FNL 1270 FWL Ut 4 Sec 1 T24S R30E
Bottom Hole –180 FNL 1270 FWL Ut 4 Sec 1 T24S R30E
Eddy County, New Mexico***

Dear Mr. Lowe:

OXY USA Inc. respectfully requests administrative approval to amend the non-standard location order NSL-7569 for the Nimitz MDP1 12 Federal #2H well, API Number-30-015-Pending, Property Code Pending to account for an increase in the well lateral length. 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 – 450 FNL 1760 FWL Ut C Sec 13 T24S R30E
Top Perforation – 340 FSL 1271 FWL Ut M Sec 12 T24S R30E
Bottom Perforation – 340 FNL 1270 FWL Ut 4 Sec 1 T24S R30E
Bottom Hole –180 FNL 1270 FWL Ut 4 Sec 1 T24S R30E

The adjoining spacing units towards which the unorthodox location encroaches are located in T23S R30E Section 36-Unit N, T24S R30E, Section 1–Units 3, F, K, N; Section 12- Units C, F, K, N; Section 13-Unit C. Affected parties located in Section 12- Units C, F, K, N and Section 13-Unit C have previously received notice in the original NSL-7569 application.

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

October 12, 2017

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Re: **NSL- 7569**
AMENDED Application for Administrative Approval of Non-Standard Location –
Nimitz MDP1 12 Federal #2H – Cotton Draw; Bone Spring
Surface – 450 FNL 1760 FWL Ut C Sec 13 T24S R30E
Top Perforation – 340 FSL 1271 FWL Ut M Sec 12 T24S R30E
Bottom Perforation – 340 FNL 1270 FWL Ut 4 Sec 1 T24S R30E
Bottom Hole –180 FNL 1270 FWL Ut 4 Sec 1 T24S R30E
Eddy County, New Mexico

Ladies and Gentlemen:

Enclosed is a copy of an amended 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 – 450 FNL 1760 FWL Ut C Sec 13 T24S R30E
Top Perforation – 340 FSL 1271 FWL Ut M Sec 12 T24S R30E
Bottom Perforation – 340 FNL 1270 FWL Ut 4 Sec 1 T24S R30E
Bottom Hole –180 FNL 1270 FWL Ut 4 Sec 1 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

5. Lease Serial No.
NMNM82896

6. If Indian, Allottee or Tribe Name

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

8. Lease Name and Well No.
NIMITZ MDP1 12 FEDERAL 2H

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 INC

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
COTTON DRAW BONE SPRING / 2ND I

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface NENW / 450 FNL / 1760 FWL / LAT 32.2239177 / LONG -103.8372257
At proposed prod. zone NWNW / 230 FNL / 1270 FWL / LAT 32.2389698 / LONG -103.8388545

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 13 / T24S / R30E / NMP

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

12. County or Parish
EDDY

13. State
NM

15. Distance from proposed*
location to nearest 100 feet
property or lease line, ft.
(Also to nearest drig. unit line, if any)

16. No. of acres in lease
880

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.

19. Proposed Depth
9877 feet / 15280 feet

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

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3492 feet

22. Approximate date work will start*
09/20/2018

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.
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
05/23/2017

Title
Sr. Regulatory Advisor

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office
CARLSBAD

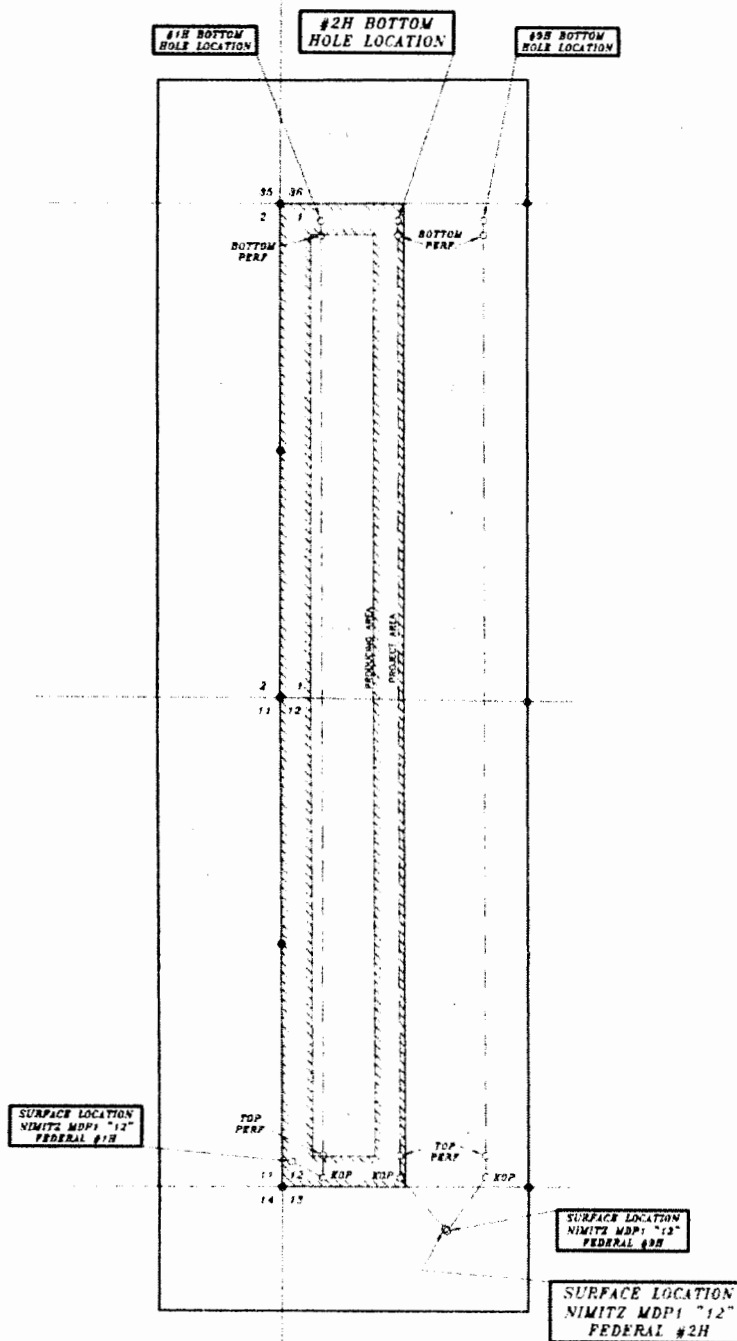
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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.
NIMITZ MDP1 "12" FEDERAL #2H
SECTIONS 1, 2, 11, 12, 13 & 14, T24S, R30E AND
SECTIONS 35 & 36, T23S, R30E,
N.M.P.M., EDDY COUNTY, NEW MEXICO



SURVEYORS CERTIFICATE

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

Terry J. Asel 10/11/2007
Terry J. Asel, N.M.P.E.L.S. No. 15079

Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR
ROSEMBO, NEW MEXICO - 87561-0393



2000' 0 2000' 4,000 FEET
SCALE: 1"=2000'

District I
1623 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6181 Fax: (505) 393-0720
District II
111 S. First St., Artesia, NM 88210
Phone: (505) 748-1223 Fax: (505) 748-8720
District III
1000 Rat Branch Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87503
Phone: (505) 476-3460 Fax: (505) 476-3463

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-	Pool Code 13367	Pool Name Cotton Draw; Bone Spring
Property Code	Property Name NIMITZ MDP1 "12" FEDERAL	Well Number 2H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3491.6'

Surface Location

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
C	13	24 SOUTH	30 EAST, N.M.P.M.		450'	NORTH	1760'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
4	1	24 SOUTH	30 EAST, N.M.P.M.		180'	NORTH	1270'	WEST	EDDY
Dedicated Acres 320	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 neither 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 is a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Sarah Mitchell</i> 9/26/2017 Signature Date Sarah Mitchell Printed Name sarah_mitchell@oxy.com Email Address					
SURVEYOR CERTIFICATION I hereby certify that the information shown on this plat was obtained from the best of my knowledge and belief, and that the same is true and correct to the best of my belief. <i>ERRY J. AS</i> 15079 JANUARY 4, 2016 Date of Survey <i>Tommy J. As</i> 8/18/2017 Signature Date Professional Surveyor 15079 WOF 160104WL-D (Rev. B) (XA)					

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6181 Fax: (505) 393-6700
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720
District III
1000 Rio Grande Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6179
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 "12" FEDERAL	Well Number 1H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3497.2'

Surface Location

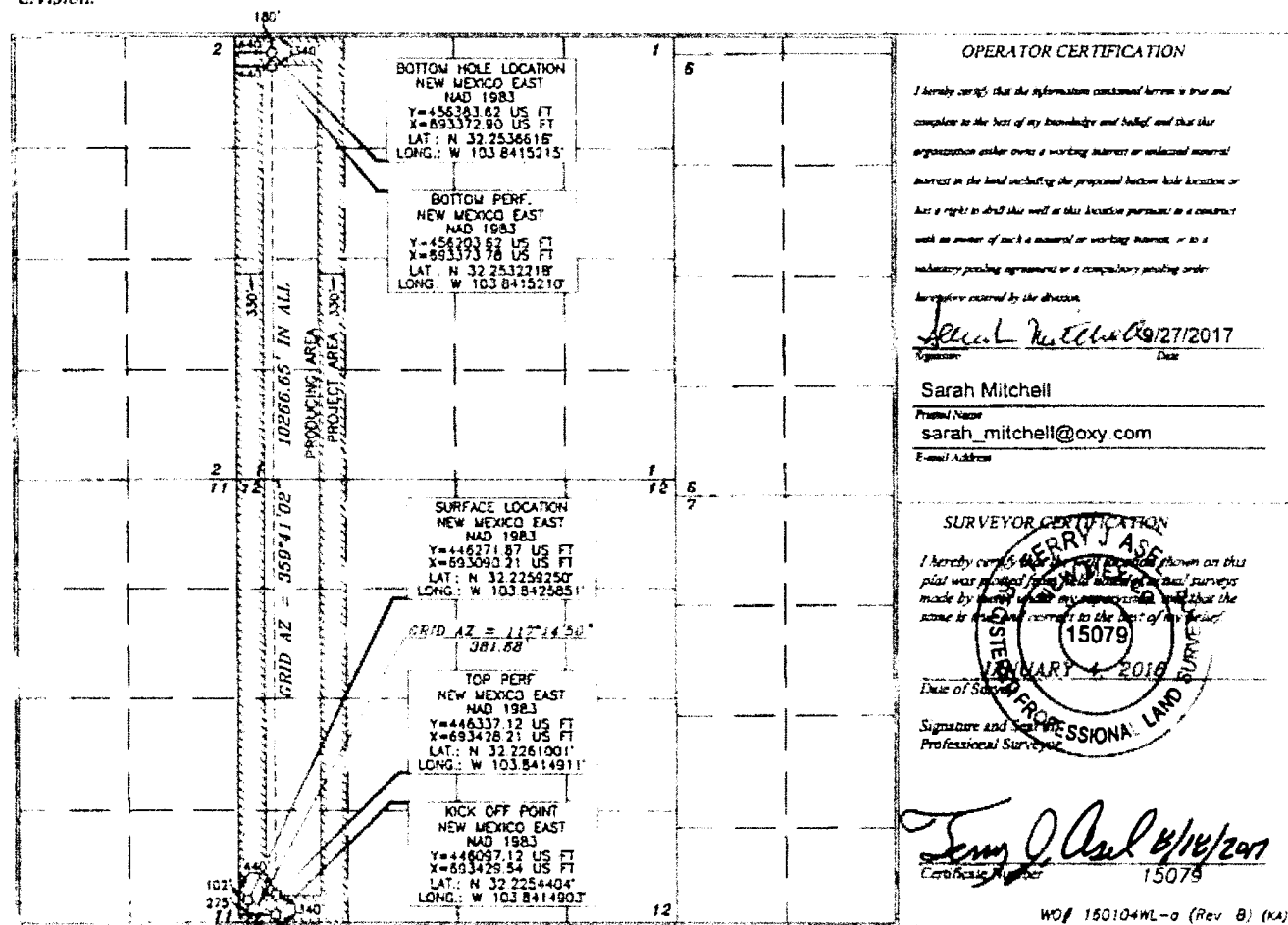
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	12	24 SOUTH	30 EAST, N.M.P.M.		275'	SOUTH	102'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	1	24 SOUTH	30 EAST, N.M.P.M.		180'	NORTH	440'	WEST	EDDY

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

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



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that the 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.

Sarah Mitchell 9/27/2017
Signature Date

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

SURVEYOR CERTIFICATION

I hereby certify that the information shown on this plat was prepared from field notes and that the surveys made by me are true and correct to the best of my belief.

ERRY J. ASH
15079
Date of Survey

Signature and Seal of Professional Surveyor

ERRY J. ASH 8/16/2017
Certificate Number 15079

District I
1623 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6181 Fax: (575) 393-0770
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1231 Fax: (575) 748-9720
District III
1000 Rio Grande Road, Aztec, NM 87410
Phone: (505) 334-4179 Fax: (505) 334-4170
District IV
1229 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 "12" FEDERAL	Well Number 9H
OGRID No. 15696	Operator Name OXY USA INC.	Elevation 3492 3'

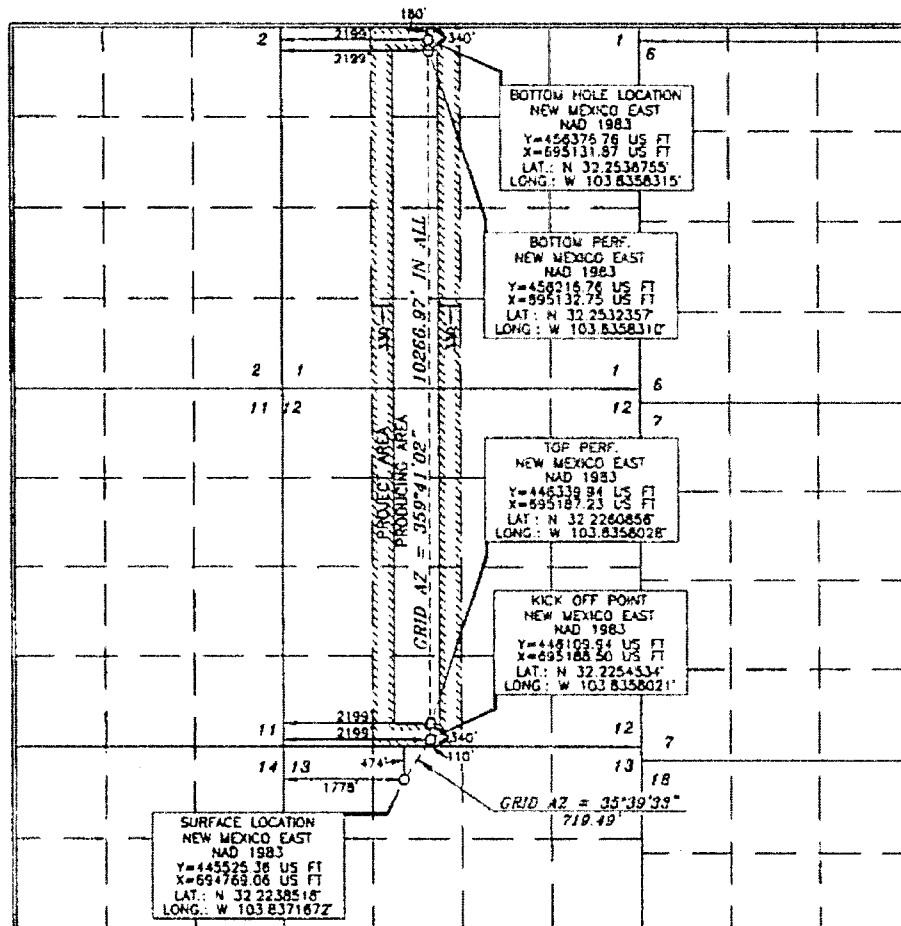
Surface Location

U/L 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.		474'	NORTH	1778'	WEST	EDDY

Bottom Hole Location If Different From Surface

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	1	24 SOUTH	30 EAST, N.M.P.M.		180'	NORTH	2199'	WEST	EDDY
Dedicated Acres 320	Joint or Infill Y	Consolidation Code	Order No.						

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



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that the 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.

Signature: *Sarah Mitchell* Date: **9/27/2017**

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 from a true and correct survey made by me or a duly licensed professional surveyor and that the same is true and correct to the best of my belief.

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

Application Non-Standard Location - Service List

OXY USA Inc.

Nimitz MDP1 12 Federal #2H

1

New Mexico Oil Conservation Division
811 S. First St.
Artesia, NM 88210
7017 0190 0000 4588 1092

New Mexico State Land Office
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501
7017 0190 0000 4588 1146

New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
7017 0190 0000 4588 1108

United States Dept of Interior
Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220
7017 0190 0000 4588 1115

T23S R30E
Section 36- Unit N

BMT O&G NM, LLC- **Lessee**
201 Main Street
Suite 2700
Fort Worth, Texas 76102
WI % unknown
7017 0190 0000 4588 1122

BEPCO, LP- **Lessee**
201 Main Street
Suite 2700
Fort Worth, Texas 76102
WI % unknown
7017 0190 0000 4588 1139

T24S R30E
Section 1 - Units 3, 4, E, F, L, K, M, N

OXY USA Inc.- **100% WI**
P.O. Box 50250
Midland, Texas 79710

Section 12- Units C, D, E, F, K, L, M, N (Previously notified in NSL-7569)

OXY USA Inc. -**60% WI**
P.O. Box 50250
Midland, Texas 79710

EOG Resources, Inc. - **40% WI**
P.O. Box 2267
Midland, Texas 79702
7017-0190-0000-4589-1565

Section 13- Unit C (Previously notified in NSL-7569)

OXY USA Inc. -**60% WI**
P.O. Box 50250
Midland, Texas 79710

EOG Resources, Inc. - **40% WI**
P.O. Box 2267
Midland, Texas 79702
7017-0190-0000-4589-1565

Copies of this application were mailed to the following individuals, companies and organizations on or before
12-Oct-2017

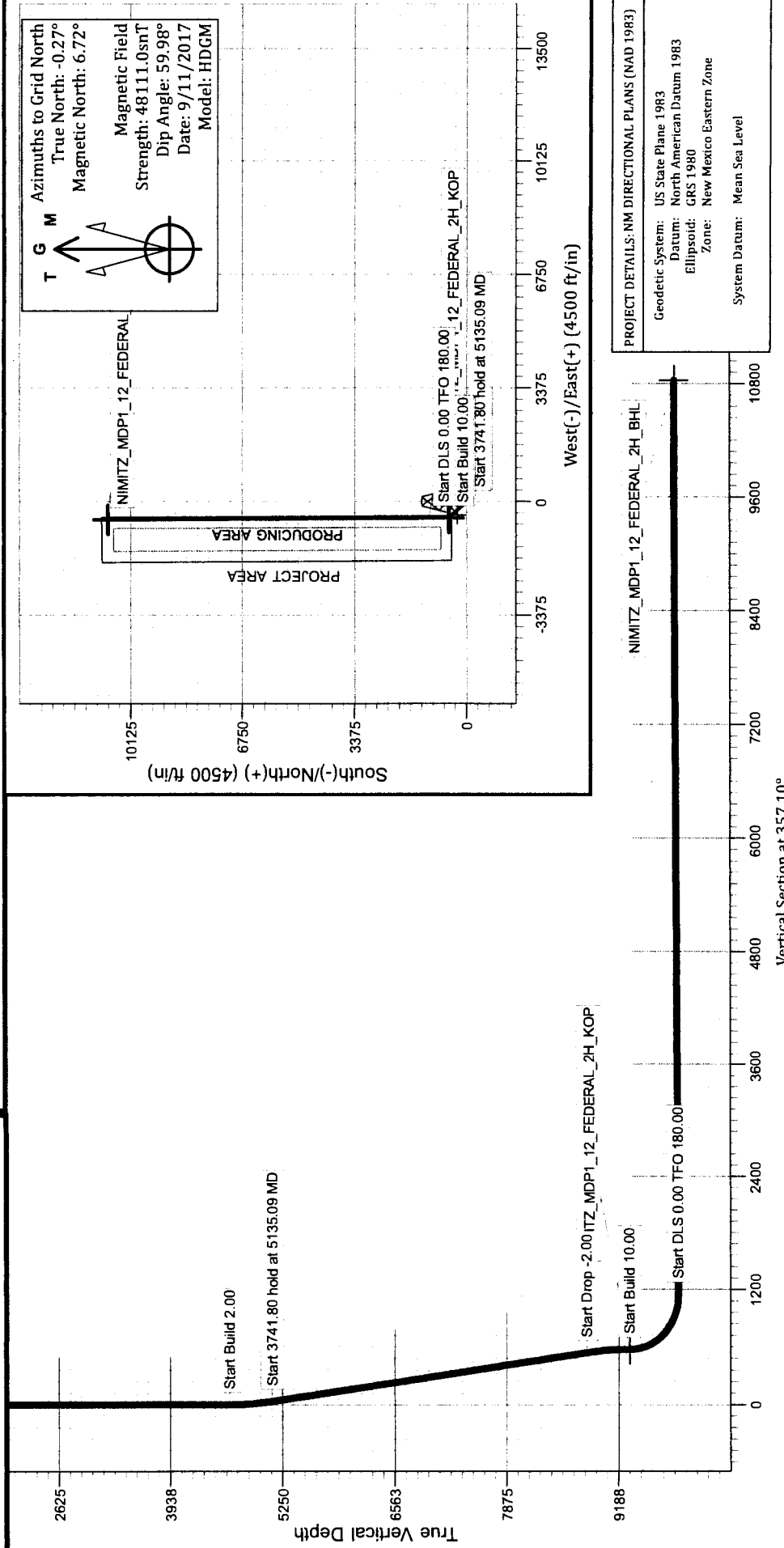


Sarah Mitchell
OXY USA Inc.

Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
 Site: NIMITZ MDP1 12 FEDERAL 2H
 Well: NIMITZ MDP1 12 FEDERAL 2H
 Wellbore: WB00
 Design: Permitting Plan

WELL DETAILS: NIMITZ MDP1 12 FEDERAL 2H

+N/-S 0.00 +E/-W 0.00 Northing 445549.24 Easting 694750.86 Ground Level: 3491.60 Latitude 32° 13' 26.103642 N Longitude 103° 50' 14.012513 W Datum @ 3518.10ft



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		Start Build 2.00
2	4635.00	0.00	0.00	4635.00	0.00	0.00	0.00	0.00	0.00		Start 3741.80 hold at 5135.09 MD
3	5135.09	10.00	318.19	5132.55	32.45	-29.03	2.00	318.19	33.88		Start Drop -2.00
4	8876.89	10.00	318.19	8817.49	516.81	-462.31	0.00	0.00	539.53		Start Build 10.00
5	9376.98	0.00	359.68	9315.04	549.26	-491.33	2.00	180.00	573.40		Start DLS 0.00 TFO 180.00
6	10279.98	90.30	359.68	9887.99	1125.21	-494.51	10.00	-0.32	1148.78		TD at 19976.32
7	19976.32	90.23	359.68	9843.00	10821.29	-548.02	0.00	180.00	10835.16		

Oxy Planning Report

Database: HOPSPP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: NIMITZ MDP1 12 FEDERAL COM
Well: NIMITZ MDP1 12 FEDERAL 2H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well NIMITZ MDP1 12 FEDERAL 2H
TVD Reference: Datum @ 3518.10ft
MD Reference: Datum @ 3518.10ft
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	NIMITZ MDP1 12 FEDERAL COM				
Site Position:		Northing:	446,387.43 usft	Latitude:	32° 13' 34.269322 N
From:	Map	Easting:	697,543.92 usft	Longitude:	103° 49' 41.451834 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.27 °

Well	NIMITZ MDP1 12 FEDERAL 2H				
Well Position	+N/-S	-838.24 ft	Northing:	445,549.24 usft	Latitude: 32° 13' 26.103642 N
	+E/-W	-2,793.24 ft	Easting:	694,750.86 usft	Longitude: 103° 50' 14.012513 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	3,491.60 ft

Wellbore WB00

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	9/11/2017	6.98	59.98	48,111

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	357.10

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	
4,635.00	0.00	0.00	4,635.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,135.09	10.00	318.19	5,132.55	32.45	-29.03	2.00	2.00	0.00	318.19	
8,876.89	10.00	318.19	8,817.49	516.81	-462.31	0.00	0.00	0.00	0.00	
9,376.98	0.00	359.68	9,315.04	549.26	-491.33	2.00	-2.00	0.00	180.00	NIMITZ_MDP1_12_
10,279.98	90.30	359.68	9,887.99	1,125.21	-494.51	10.00	10.00	0.00	-0.32	
19,976.32	90.23	359.68	9,843.00	10,821.29	-548.02	0.00	0.00	0.00	180.00	NIMITZ_MDP1_12_

Oxy Planning Report

Database: HOPSPP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: NIMITZ MDP1 12 FEDERAL COM
Well: NIMITZ MDP1 12 FEDERAL 2H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well NIMITZ MDP1 12 FEDERAL 2H
TVD Reference: Datum @ 3518.10ft
MD Reference: Datum @ 3518.10ft
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
4,635.00	0.00	0.00	4,635.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	1.30	318.19	4,699.99	0.55	-0.49	0.57	2.00	2.00	0.00
4,800.00	3.30	318.19	4,799.91	3.54	-3.17	3.70	2.00	2.00	0.00
4,900.00	5.30	318.19	4,899.62	9.13	-8.17	9.53	2.00	2.00	0.00
5,000.00	7.30	318.19	4,999.01	17.31	-15.48	18.07	2.00	2.00	0.00
5,100.00	9.30	318.19	5,097.96	28.07	-25.11	29.30	2.00	2.00	0.00
5,135.09	10.00	318.19	5,132.55	32.45	-29.03	33.88	2.00	2.00	0.00

Oxy Planning Report

Database: HOPSP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: NIMITZ MDP1 12 FEDERAL COM
Well: NIMITZ MDP1 12 FEDERAL 2H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well NIMITZ MDP1 12 FEDERAL 2H
TVD Reference: Datum @ 3518.10ft
MD Reference: Datum @ 3518.10ft
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)
5,200.00	10.00	318.19	5,196.48	40.85	-36.54	42.65	0.00	0.00	0.00
5,300.00	10.00	318.19	5,294.96	53.80	-48.12	56.16	0.00	0.00	0.00
5,400.00	10.00	318.19	5,393.44	66.74	-59.70	69.68	0.00	0.00	0.00
5,500.00	10.00	318.19	5,491.92	79.69	-71.28	83.19	0.00	0.00	0.00
5,600.00	10.00	318.19	5,590.40	92.63	-82.86	96.70	0.00	0.00	0.00
5,700.00	10.00	318.19	5,688.88	105.57	-94.44	110.22	0.00	0.00	0.00
5,800.00	10.00	318.19	5,787.36	118.52	-106.02	123.73	0.00	0.00	0.00
5,900.00	10.00	318.19	5,885.84	131.46	-117.60	137.24	0.00	0.00	0.00
6,000.00	10.00	318.19	5,984.32	144.41	-129.18	150.76	0.00	0.00	0.00
6,100.00	10.00	318.19	6,082.80	157.35	-140.76	164.27	0.00	0.00	0.00
6,200.00	10.00	318.19	6,181.28	170.30	-152.34	177.78	0.00	0.00	0.00
6,300.00	10.00	318.19	6,279.76	183.24	-163.92	191.30	0.00	0.00	0.00
6,400.00	10.00	318.19	6,378.24	196.19	-175.50	204.81	0.00	0.00	0.00
6,500.00	10.00	318.19	6,476.72	209.13	-187.08	218.32	0.00	0.00	0.00
6,600.00	10.00	318.19	6,575.20	222.07	-198.66	231.84	0.00	0.00	0.00
6,700.00	10.00	318.19	6,673.68	235.02	-210.23	245.35	0.00	0.00	0.00
6,800.00	10.00	318.19	6,772.16	247.96	-221.81	258.87	0.00	0.00	0.00
6,900.00	10.00	318.19	6,870.64	260.91	-233.39	272.38	0.00	0.00	0.00
7,000.00	10.00	318.19	6,969.12	273.85	-244.97	285.89	0.00	0.00	0.00
7,100.00	10.00	318.19	7,067.60	286.80	-256.55	299.41	0.00	0.00	0.00
7,200.00	10.00	318.19	7,166.08	299.74	-268.13	312.92	0.00	0.00	0.00
7,300.00	10.00	318.19	7,264.56	312.69	-279.71	326.43	0.00	0.00	0.00
7,400.00	10.00	318.19	7,363.04	325.63	-291.29	339.95	0.00	0.00	0.00
7,500.00	10.00	318.19	7,461.52	338.58	-302.87	353.46	0.00	0.00	0.00
7,600.00	10.00	318.19	7,560.00	351.52	-314.45	366.97	0.00	0.00	0.00
7,700.00	10.00	318.19	7,658.48	364.46	-326.03	380.49	0.00	0.00	0.00
7,800.00	10.00	318.19	7,756.96	377.41	-337.61	394.00	0.00	0.00	0.00
7,900.00	10.00	318.19	7,855.44	390.35	-349.19	407.51	0.00	0.00	0.00
8,000.00	10.00	318.19	7,953.92	403.30	-360.77	421.03	0.00	0.00	0.00
8,100.00	10.00	318.19	8,052.40	416.24	-372.35	434.54	0.00	0.00	0.00
8,200.00	10.00	318.19	8,150.88	429.19	-383.93	448.06	0.00	0.00	0.00
8,300.00	10.00	318.19	8,249.37	442.13	-395.50	461.57	0.00	0.00	0.00
8,400.00	10.00	318.19	8,347.85	455.08	-407.08	475.08	0.00	0.00	0.00
8,500.00	10.00	318.19	8,446.33	468.02	-418.66	488.60	0.00	0.00	0.00
8,600.00	10.00	318.19	8,544.81	480.96	-430.24	502.11	0.00	0.00	0.00
8,700.00	10.00	318.19	8,643.29	493.91	-441.82	515.62	0.00	0.00	0.00
8,800.00	10.00	318.19	8,741.77	506.85	-453.40	529.14	0.00	0.00	0.00
8,876.89	10.00	318.19	8,817.49	516.81	-462.31	539.53	0.00	0.00	0.00
8,900.00	9.54	318.19	8,840.26	519.73	-464.92	542.58	2.00	-2.00	0.00
9,000.00	7.54	318.19	8,939.15	530.80	-474.82	554.13	2.00	-2.00	0.00
9,100.00	5.54	318.19	9,038.49	539.28	-482.41	562.99	2.00	-2.00	0.00
9,200.00	3.54	318.19	9,138.17	545.18	-487.69	569.15	2.00	-2.00	0.00
9,300.00	1.54	318.19	9,238.07	548.49	-490.64	572.60	2.00	-2.00	0.00
9,376.98	0.00	359.68	9,315.04	549.26	-491.33	573.40	2.00	-2.00	0.00
9,400.00	2.30	359.68	9,338.06	549.72	-491.33	573.87	10.00	10.00	0.00
9,500.00	12.30	359.68	9,437.12	562.41	-491.41	586.55	10.00	10.00	0.00
9,600.00	22.30	359.68	9,532.47	592.11	-491.57	616.22	10.00	10.00	0.00
9,700.00	32.30	359.68	9,621.22	637.92	-491.82	661.98	10.00	10.00	0.00
9,800.00	42.30	359.68	9,700.66	698.45	-492.16	722.45	10.00	10.00	0.00
9,900.00	52.30	359.68	9,768.39	771.85	-492.56	795.77	10.00	10.00	0.00
10,000.00	62.30	359.68	9,822.34	855.89	-493.02	879.73	10.00	10.00	0.00
10,100.00	72.30	359.68	9,860.88	948.03	-493.53	971.78	10.00	10.00	0.00
10,200.00	82.30	359.68	9,882.84	1,045.46	-494.07	1,069.11	10.00	10.00	0.00
10,279.98	90.30	359.68	9,887.99	1,125.21	-494.51	1,148.78	10.00	10.00	0.00

Oxy Planning Report

Database: HOPSP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: NIMITZ MDP1 12 FEDERAL COM
Well: NIMITZ MDP1 12 FEDERAL 2H
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Local Co-ordinate Reference: Well NIMITZ MDP1 12 FEDERAL 2H
TVD Reference: Datum @ 3518.10ft
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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)
10,300.00	90.30	359.68	9,887.89	1,145.22	-494.62	1,168.78	0.00	0.00	0.00
10,400.00	90.30	359.68	9,887.36	1,245.22	-495.17	1,268.67	0.00	0.00	0.00
10,500.00	90.30	359.68	9,886.84	1,345.22	-495.72	1,368.57	0.00	0.00	0.00
10,600.00	90.30	359.68	9,886.32	1,445.22	-496.28	1,468.47	0.00	0.00	0.00
10,700.00	90.30	359.68	9,885.80	1,545.21	-496.83	1,568.36	0.00	0.00	0.00
10,800.00	90.30	359.68	9,885.29	1,645.21	-497.38	1,668.26	0.00	0.00	0.00
10,900.00	90.30	359.68	9,884.77	1,745.21	-497.93	1,768.16	0.00	0.00	0.00
11,000.00	90.29	359.68	9,884.25	1,845.20	-498.48	1,868.05	0.00	0.00	0.00
11,100.00	90.29	359.68	9,883.74	1,945.20	-499.04	1,967.95	0.00	0.00	0.00
11,200.00	90.29	359.68	9,883.23	2,045.20	-499.59	2,067.85	0.00	0.00	0.00
11,300.00	90.29	359.68	9,882.72	2,145.20	-500.14	2,167.75	0.00	0.00	0.00
11,400.00	90.29	359.68	9,882.20	2,245.19	-500.69	2,267.64	0.00	0.00	0.00
11,500.00	90.29	359.68	9,881.70	2,345.19	-501.24	2,367.54	0.00	0.00	0.00
11,600.00	90.29	359.68	9,881.19	2,445.19	-501.79	2,467.44	0.00	0.00	0.00
11,700.00	90.29	359.68	9,880.68	2,545.18	-502.35	2,567.33	0.00	0.00	0.00
11,800.00	90.29	359.68	9,880.18	2,645.18	-502.90	2,667.23	0.00	0.00	0.00
11,900.00	90.29	359.68	9,879.67	2,745.18	-503.45	2,767.13	0.00	0.00	0.00
12,000.00	90.29	359.68	9,879.17	2,845.18	-504.00	2,867.03	0.00	0.00	0.00
12,100.00	90.29	359.68	9,878.67	2,945.17	-504.55	2,966.92	0.00	0.00	0.00
12,200.00	90.29	359.68	9,878.17	3,045.17	-505.11	3,066.82	0.00	0.00	0.00
12,300.00	90.29	359.68	9,877.67	3,145.17	-505.66	3,166.72	0.00	0.00	0.00
12,400.00	90.29	359.68	9,877.17	3,245.17	-506.21	3,266.61	0.00	0.00	0.00
12,500.00	90.28	359.68	9,876.67	3,345.16	-506.76	3,366.51	0.00	0.00	0.00
12,600.00	90.28	359.68	9,876.18	3,445.16	-507.31	3,466.41	0.00	0.00	0.00
12,700.00	90.28	359.68	9,875.68	3,545.16	-507.86	3,566.31	0.00	0.00	0.00
12,800.00	90.28	359.68	9,875.19	3,645.15	-508.42	3,666.20	0.00	0.00	0.00
12,900.00	90.28	359.68	9,874.70	3,745.15	-508.97	3,766.10	0.00	0.00	0.00
13,000.00	90.28	359.68	9,874.20	3,845.15	-509.52	3,866.00	0.00	0.00	0.00
13,100.00	90.28	359.68	9,873.72	3,945.15	-510.07	3,965.89	0.00	0.00	0.00
13,200.00	90.28	359.68	9,873.23	4,045.14	-510.62	4,065.79	0.00	0.00	0.00
13,300.00	90.28	359.68	9,872.74	4,145.14	-511.18	4,165.69	0.00	0.00	0.00
13,400.00	90.28	359.68	9,872.25	4,245.14	-511.73	4,265.59	0.00	0.00	0.00
13,500.00	90.28	359.68	9,871.77	4,345.14	-512.28	4,365.48	0.00	0.00	0.00
13,600.00	90.28	359.68	9,871.29	4,445.13	-512.83	4,465.38	0.00	0.00	0.00
13,700.00	90.28	359.68	9,870.80	4,545.13	-513.38	4,565.28	0.00	0.00	0.00
13,800.00	90.28	359.68	9,870.32	4,645.13	-513.93	4,665.18	0.00	0.00	0.00
13,900.00	90.27	359.68	9,869.84	4,745.12	-514.49	4,765.07	0.00	0.00	0.00
14,000.00	90.27	359.68	9,869.36	4,845.12	-515.04	4,864.97	0.00	0.00	0.00
14,100.00	90.27	359.68	9,868.89	4,945.12	-515.59	4,964.87	0.00	0.00	0.00
14,200.00	90.27	359.68	9,868.41	5,045.12	-516.14	5,064.76	0.00	0.00	0.00
14,300.00	90.27	359.68	9,867.94	5,145.11	-516.69	5,164.66	0.00	0.00	0.00
14,400.00	90.27	359.68	9,867.46	5,245.11	-517.25	5,264.56	0.00	0.00	0.00
14,500.00	90.27	359.68	9,866.99	5,345.11	-517.80	5,364.46	0.00	0.00	0.00
14,600.00	90.27	359.68	9,866.52	5,445.11	-518.35	5,464.35	0.00	0.00	0.00
14,700.00	90.27	359.68	9,866.05	5,545.10	-518.90	5,564.25	0.00	0.00	0.00
14,800.00	90.27	359.68	9,865.58	5,645.10	-519.45	5,664.15	0.00	0.00	0.00
14,900.00	90.27	359.68	9,865.11	5,745.10	-520.00	5,764.05	0.00	0.00	0.00
15,000.00	90.27	359.68	9,864.65	5,845.10	-520.56	5,863.94	0.00	0.00	0.00
15,100.00	90.27	359.68	9,864.18	5,945.09	-521.11	5,963.84	0.00	0.00	0.00
15,200.00	90.27	359.68	9,863.72	6,045.09	-521.66	6,063.74	0.00	0.00	0.00
15,300.00	90.26	359.68	9,863.26	6,145.09	-522.21	6,163.63	0.00	0.00	0.00
15,400.00	90.26	359.68	9,862.79	6,245.09	-522.76	6,263.53	0.00	0.00	0.00
15,500.00	90.26	359.68	9,862.33	6,345.08	-523.32	6,363.43	0.00	0.00	0.00
15,600.00	90.26	359.68	9,861.88	6,445.08	-523.87	6,463.33	0.00	0.00	0.00

Oxy Planning Report

Database: HOPSP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: NIMITZ MDP1 12 FEDERAL COM
Well: NIMITZ MDP1 12 FEDERAL 2H
Wellbore: VVB00
Design: Permitting Plan

Local Co-ordinate Reference: Well NIMITZ MDP1 12 FEDERAL 2H
TVD Reference: Datum @ 3518.10ft
MD Reference: Datum @ 3518.10ft
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	90.26	359.68	9,861.42	6,545.08	-524.42	6,563.22	0.00	0.00	0.00
15,800.00	90.26	359.68	9,860.96	6,645.07	-524.97	6,663.12	0.00	0.00	0.00
15,900.00	90.26	359.68	9,860.51	6,745.07	-525.52	6,763.02	0.00	0.00	0.00
16,000.00	90.26	359.68	9,860.05	6,845.07	-526.07	6,862.92	0.00	0.00	0.00
16,100.00	90.26	359.68	9,859.60	6,945.07	-526.63	6,962.81	0.00	0.00	0.00
16,200.00	90.26	359.68	9,859.15	7,045.06	-527.18	7,062.71	0.00	0.00	0.00
16,300.00	90.26	359.68	9,858.70	7,145.06	-527.73	7,162.61	0.00	0.00	0.00
16,400.00	90.26	359.68	9,858.25	7,245.06	-528.28	7,262.51	0.00	0.00	0.00
16,500.00	90.26	359.68	9,857.80	7,345.06	-528.83	7,362.40	0.00	0.00	0.00
16,600.00	90.26	359.68	9,857.36	7,445.05	-529.39	7,462.30	0.00	0.00	0.00
16,700.00	90.25	359.68	9,856.91	7,545.05	-529.94	7,562.20	0.00	0.00	0.00
16,800.00	90.25	359.68	9,856.47	7,645.05	-530.49	7,662.10	0.00	0.00	0.00
16,900.00	90.25	359.68	9,856.02	7,745.05	-531.04	7,761.99	0.00	0.00	0.00
17,000.00	90.25	359.68	9,855.58	7,845.04	-531.59	7,861.89	0.00	0.00	0.00
17,100.00	90.25	359.68	9,855.14	7,945.04	-532.14	7,961.79	0.00	0.00	0.00
17,200.00	90.25	359.68	9,854.70	8,045.04	-532.70	8,061.69	0.00	0.00	0.00
17,300.00	90.25	359.68	9,854.26	8,145.04	-533.25	8,161.58	0.00	0.00	0.00
17,400.00	90.25	359.68	9,853.83	8,245.03	-533.80	8,261.48	0.00	0.00	0.00
17,500.00	90.25	359.68	9,853.39	8,345.03	-534.35	8,361.38	0.00	0.00	0.00
17,600.00	90.25	359.68	9,852.96	8,445.03	-534.90	8,461.28	0.00	0.00	0.00
17,700.00	90.25	359.68	9,852.52	8,545.03	-535.46	8,561.17	0.00	0.00	0.00
17,800.00	90.25	359.68	9,852.09	8,645.02	-536.01	8,661.07	0.00	0.00	0.00
17,900.00	90.25	359.68	9,851.66	8,745.02	-536.56	8,760.97	0.00	0.00	0.00
18,000.00	90.25	359.68	9,851.23	8,845.02	-537.11	8,860.87	0.00	0.00	0.00
18,100.00	90.24	359.68	9,850.80	8,945.02	-537.66	8,960.76	0.00	0.00	0.00
18,200.00	90.24	359.68	9,850.38	9,045.01	-538.21	9,060.66	0.00	0.00	0.00
18,300.00	90.24	359.68	9,849.95	9,145.01	-538.77	9,160.56	0.00	0.00	0.00
18,400.00	90.24	359.68	9,849.53	9,245.01	-539.32	9,260.46	0.00	0.00	0.00
18,500.00	90.24	359.68	9,849.10	9,345.01	-539.87	9,360.35	0.00	0.00	0.00
18,600.00	90.24	359.68	9,848.68	9,445.01	-540.42	9,460.25	0.00	0.00	0.00
18,700.00	90.24	359.68	9,848.26	9,545.00	-540.97	9,560.15	0.00	0.00	0.00
18,800.00	90.24	359.68	9,847.84	9,645.00	-541.53	9,660.05	0.00	0.00	0.00
18,900.00	90.24	359.68	9,847.42	9,745.00	-542.08	9,759.94	0.00	0.00	0.00
19,000.00	90.24	359.68	9,847.01	9,845.00	-542.63	9,859.84	0.00	0.00	0.00
19,100.00	90.24	359.68	9,846.59	9,944.99	-543.18	9,959.74	0.00	0.00	0.00
19,200.00	90.24	359.68	9,846.18	10,044.99	-543.73	10,059.64	0.00	0.00	0.00
19,300.00	90.24	359.68	9,845.76	10,144.99	-544.28	10,159.53	0.00	0.00	0.00
19,400.00	90.24	359.68	9,845.35	10,244.99	-544.84	10,259.43	0.00	0.00	0.00
19,500.00	90.24	359.68	9,844.94	10,344.98	-545.39	10,359.33	0.00	0.00	0.00
19,600.00	90.23	359.68	9,844.53	10,444.98	-545.94	10,459.23	0.00	0.00	0.00
19,700.00	90.23	359.68	9,844.12	10,544.98	-546.49	10,559.12	0.00	0.00	0.00
19,800.00	90.23	359.68	9,843.72	10,644.98	-547.04	10,659.02	0.00	0.00	0.00
19,900.00	90.23	359.68	9,843.31	10,744.97	-547.60	10,758.92	0.00	0.00	0.00
19,976.32	90.23	359.68	9,843.00	10,821.29	-548.02	10,835.16	0.00	0.00	0.00

Oxy Planning Report

Database: HOPSP
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Site: NIMITZ MDP1 12 FEDERAL COM
Well: NIMITZ MDP1 12 FEDERAL 2H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well NIMITZ MDP1 12 FEDERAL 2H
TVD Reference: Datum @ 3518.10ft
MD Reference: Datum @ 3518.10ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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
NIMITZ_MDP1_12_FE - plan hits target center - Point	0.00	0.00	9,315.04	549.26	-491.33	446,098.46	694,259.56	32° 13' 31.560967 N	103° 50' 19.702455
NIMITZ_MDP1_12_FE - plan hits target center - Point	0.00	0.00	9,843.00	10,821.29	-548.02	456,369.82	694,202.88	32° 15' 13.205548 N	103° 50' 19.811752

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
4,635.00	4,635.00	0.00	0.00	Start Build 2.00
5,135.09	5,132.55	32.45	-29.03	Start 3741.80 hold at 5135.09 MD
8,876.89	8,817.49	516.81	-462.31	Start Drop -2.00
9,376.98	9,315.04	549.26	-491.33	Start Build 10.00
10,279.98	9,887.99	1,125.21	-494.51	Start DLS 0.00 TFO 180.00
19,976.32	9,843.00	10,821.29	-548.02	TD at 19976.32



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

October 12, 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 12 Federal #2H
W/2 W/2 Sections 1 & 12, 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 horizontal line.

Kacie Cruz
Development Production Engineer

Lowe, Leonard, EMNRD

From: Lowe, Leonard, EMNRD
Sent: Monday, November 13, 2017 8:53 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
Subject: AMENDED APPROVED: NSL-7569-A (Nimitz MDP1 12 Federal Well No. 2H & NSL-7570-A (Nimitz MDP1 12 Federal Com Well No. 7H)_SEC 12 24S 30E
Importance: High

Ms. Sarah Mitchell,

The following **ADMENDED** 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>

NSL-7569-A

Oxy USA, Inc.

WELL: API #: 30-015-PENDING

WELL NAME: Nimitz MDP1 12 Federal Well No. 2H

NSL-7570-A

Oxy USA, Inc.

WELL: API #: 30-015-PENDING

WELL NAME: Nimitz MDP1 12 Federal Com Well No. 7H

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/>