

RECEIVED: <u>7/27/17</u>	REVIEWER: <u>LRL</u>	TYPE: <u>NSL</u>	APP NO: <u>PKSC 1720948080</u>
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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: 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**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 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.

7/24/2017

Date

432-699-4318

Phone Number

Sarah_mitchell@oxy.com

e-mail Address

Sarah Mitchell

Print or Type Name

Sarah Mitchell

Signature



OXY USA Inc

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

July 24, 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 12 Federal #2H – Cotton Draw; Bone Spring
Surface – 450 FNL 1760 FWL Ut C Sec 13 T24S R30E
Top Perforation – 340 FSL 1270 FWL Ut M Sec 12 T24S R30E
Bottom Perforation – 340 FNL 1270 FWL Ut D Sec 12 T24S R30E
Bottom Hole – 230 FNL 1270 FEL Ut D Sec 12 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 12 Federal #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 – 450 FNL 1760 FWL Ut C Sec 13 T24S R30E
Top Perforation – 340 FSL 1270 FWL Ut M Sec 12 T24S R30E
Bottom Perforation – 340 FNL 1270 FWL Ut D Sec 12 T24S R30E
Bottom Hole – 230 FNL 1270 FEL Ut D Sec 12 T24S R30E

The adjoining spacing units are located in T24S R30E, Section 1–Units M, N; Section 2 – Unit P; Section 11– Units A, H, I, P; Section 12– Units C, F, K, N; Section 13–Units C, D; Section 14– Unit A.

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 /

July 24, 2017

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Re: ***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 1270 FWL Ut M Sec 12 T24S R30E
Bottom Perforation – 340 FNL 1270 FWL Ut D Sec 12 T24S R30E
Bottom Hole – 230 FNL 1270 FWL Ut D Sec 12 T24 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 – 450 FNL 1760 FWL Ut C Sec 13 T24S R30E
Top Perforation – 340 FSL 1270 FWL Ut M Sec 12 T24S R30E
Bottom Perforation – 340 FNL 1270 FWL Ut D Sec 12 T24S R30E
Bottom Hole – 230 FNL 1270 FWL Ut D Sec 12 T24 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 12 FEDERAL 2H
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		9. API Well No.
10. Field and Pool, or Exploratory COTTON DRAW BONE SPRING / 2ND I		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 property or lease line, ft. (Also to nearest drig. unit line, if any) 100 feet	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. | 4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

25. Signature (Electronic Submission)	Name (Printed/Typed) David Stewart / Ph: (713)366-5716	Date 05/23/2017
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.

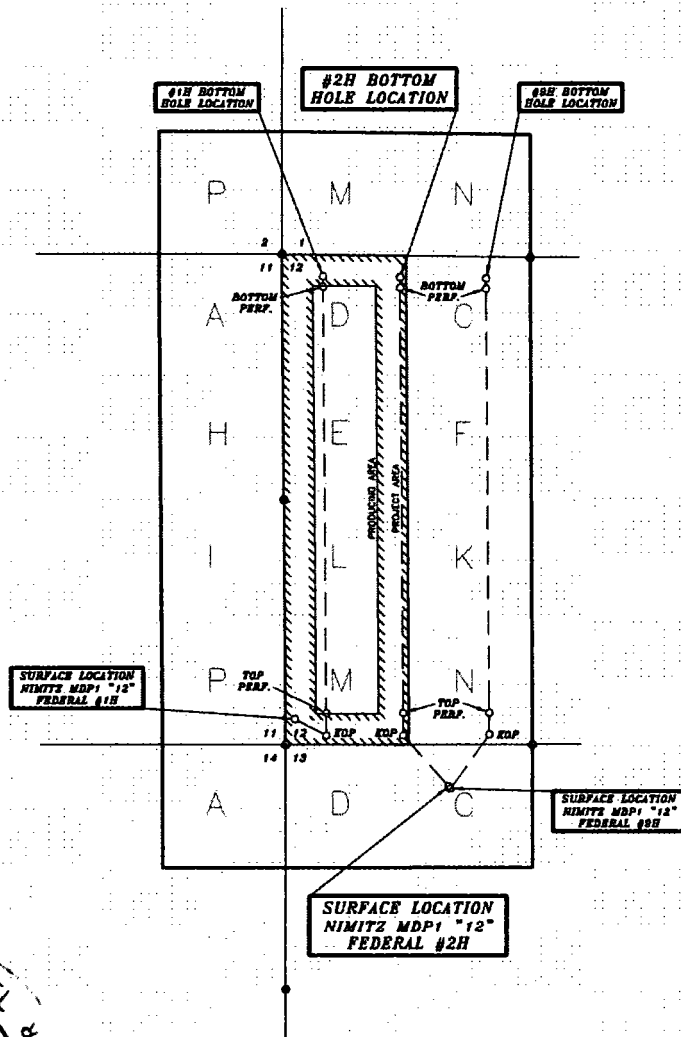
(Continued on page 2)

*(Instructions on page 2)

OXY USA INC.

NIMITZ MDP1 "12" FEDERAL #2H

SECTIONS 1, 2, 11, 12, 13 & 14, TOWNSHIP 24 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 3/12/2011
Terry J. Asel N.M.P.L.S. No. 15079

Asel Surveying

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



2000' 0 2000' 4000' FEET



SCALE: 1"=2000'

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 "12" FEDERAL	Well Number 2H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3491.6'

Surface Location

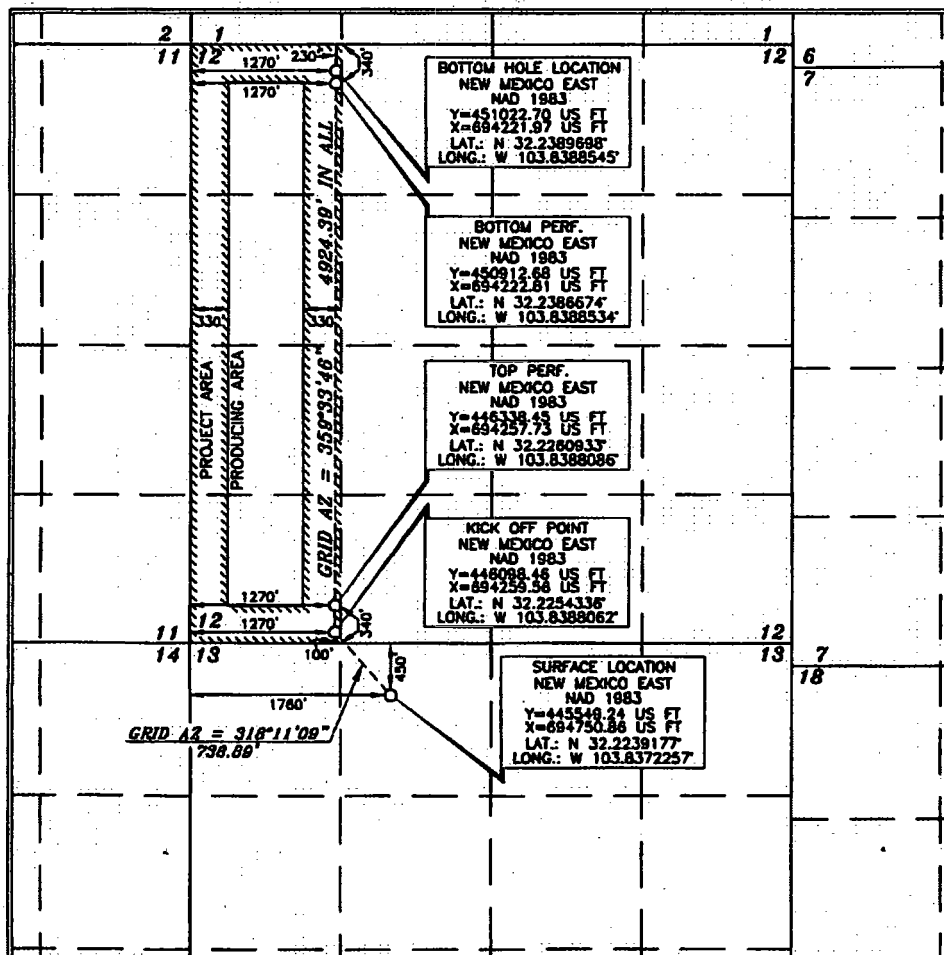
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	13	24 SOUTH	30 EAST, N.M.P.M.		450'	NORTH	1760'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	12	24 SOUTH	30 EAST, N.M.P.M.		230'	NORTH	1270'	WEST	EDDY

Dedicated Acres 160	Joint or Infill Y	Consolidation Code	Order No. NSC will be filed
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill 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 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 data taken from original surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

Ferry J. As...
Date of Survey
Signature and Seal of Professional Surveyor

Ferry J. As... 10/17/2016
Certificate Number 15079

District I
1425 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-6720
District II
817 S. First St., Artesia, NM 88210
Phone: (505) 448-1123 Fax: (505) 748-9720
District III
1000 Rio Grande Road, Alamo, 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 "12" FEDERAL	Well Number 1H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3497.2'

Surface Location

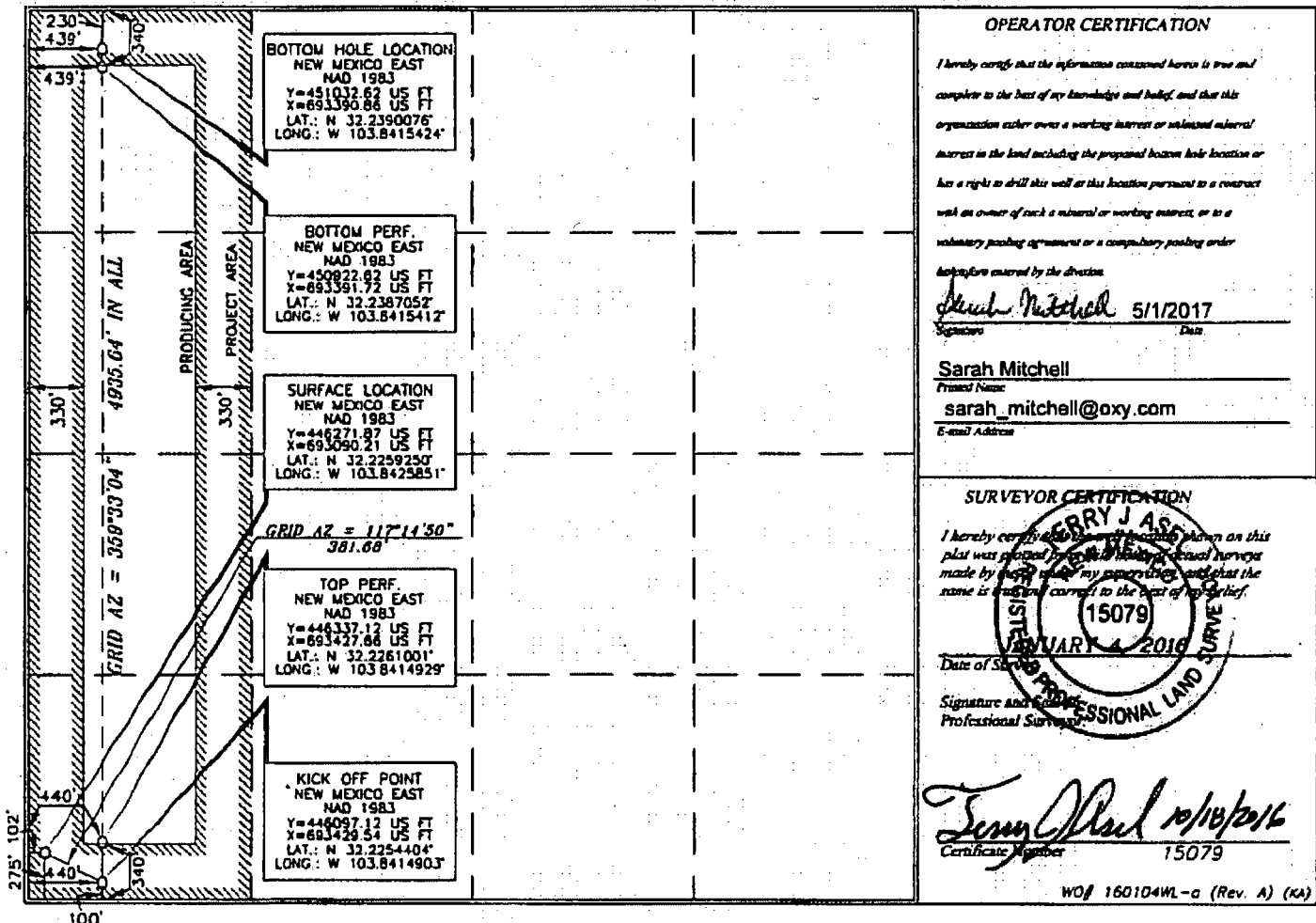
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	12	24 SOUTH	30 EAST, N.M.P.M.		275'	SOUTH	102'	WEST	EDDY

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
D	12	24 SOUTH	30 EAST, N.M.P.M.		230'	NORTH	439'	WEST	EDDY

Dedicated Acres 160	Joint or Infill Y	Consolidation Code	Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



Division I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-4161 Fax: (505) 393-0720
Division II
1171 S. Fort St., Artesia, NM 88210
Phone: (505) 744-1283 Fax: (505) 744-9720
Division III
1000 Elm Avenue Road, Alamo, NM 87410
Phone: (505) 334-4178 Fax: (505) 334-4170
Division 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 9H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3492.3'

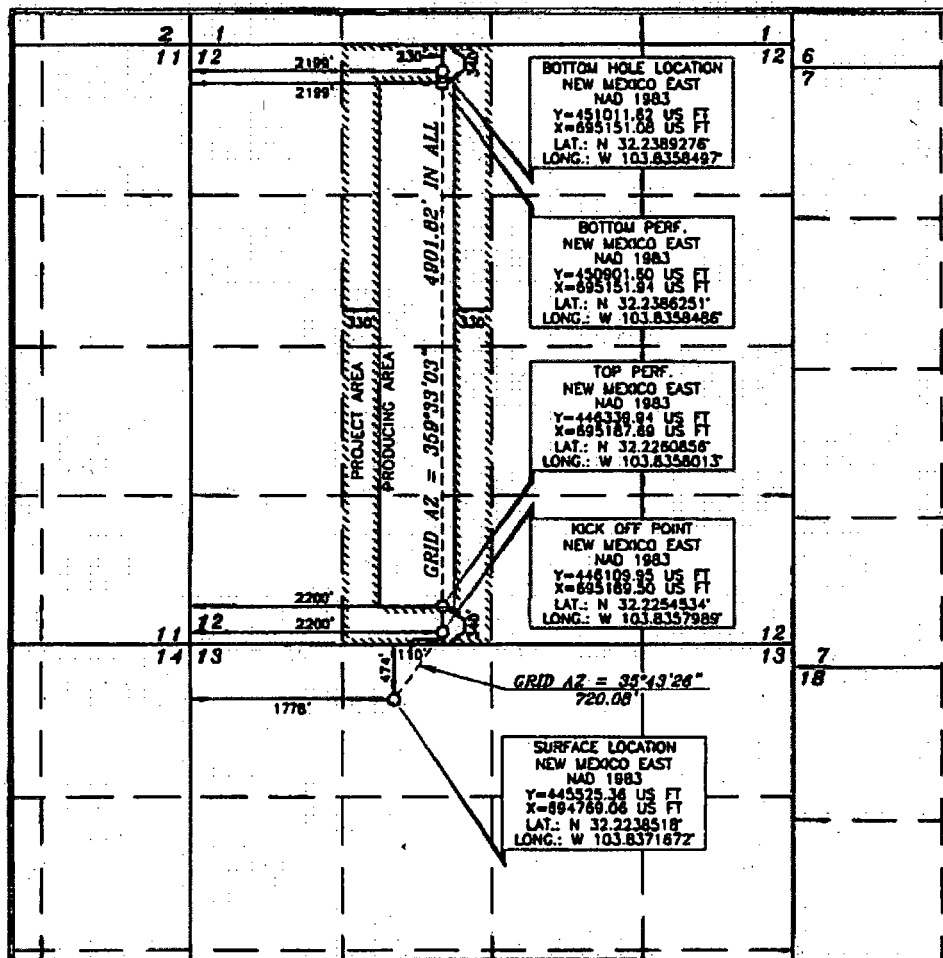
Surface Location

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.		474'	NORTH	1778'	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
C	12	24 SOUTH	30 EAST, N.M.P.M.		230'	NORTH	2199'	WEST	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.

Sarah Mitchell 4/26/17
Signature Date

Sarah Mitchell

Printed Name

sarah_mitchell@oxy.com

E-mail Address

SURVEYOR 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.

ERRY J. ASH 10/17/24
Signature Date

Professional Land Surveyor

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
7017-0190-0000-4589-1497

New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
7017-0190-0000-4589-1503

United States Dept of Interior
Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220
7017-0190-0000-4589-1510

T24S R30E
Section 1 - Units M, N

Devon Energy Production Company L.P.- 100% WI
333 W. Sheridan Avenue
Oklahoma City, Oklahoma 73102-5010
7017-0190-0000-4589-1527

Section 2- Unit P

BMT O&G NM, LLC- Lessee
201 Main Street
Suite 2700
Fort Worth, Texas 76102
WI % unknown
7017-0190-0000-4589-1534

BEPCO, LP- Lessee
201 Main Street
Suite 2700
Fort Worth, Texas 76102
WI % unknown
7017-0190-0000-4589-1541

Section 11- Units A, H, I, P

BOPCO, L.P. - Operator
P.O. Box 2760
Midland, TX 79702
7017-0190-0000-4589-1558

Section 12- Units C, D, E, F, K, L, M, N

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

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 D

OXY USA Inc. -15% WI
P.O. Box 50250
Midland, Texas 79710

EOG Resources, Inc. - 2.5% WI
P.O. Box 2267
Midland, Texas 79702
7017-0190-0000-4589-1565

COG Production, LLC - 82.5% WI
600 W. Illinois Ave.
Midland, Texas 79701
7017-0190-0000-4589-01572

Application Non-Standard Location - Service List

2

OXY USA Inc.

Nimitz MDP1 12 Federal #2H

Section 14- Unit A

BOPCO, L.P. - Operator

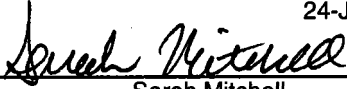
P.O. Box 2760

Midland, TX 79702

7017-0190-0000-4589-1558

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

24-Jul-2017

A handwritten signature in black ink, appearing to read "Sarah Mitchell", is written over a horizontal line.

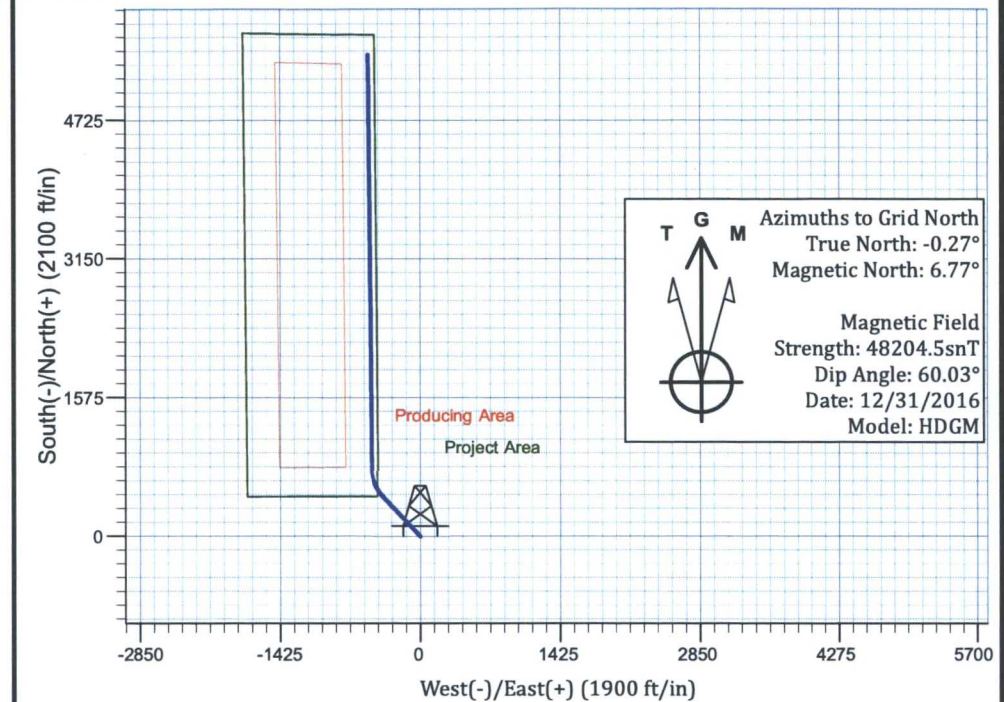
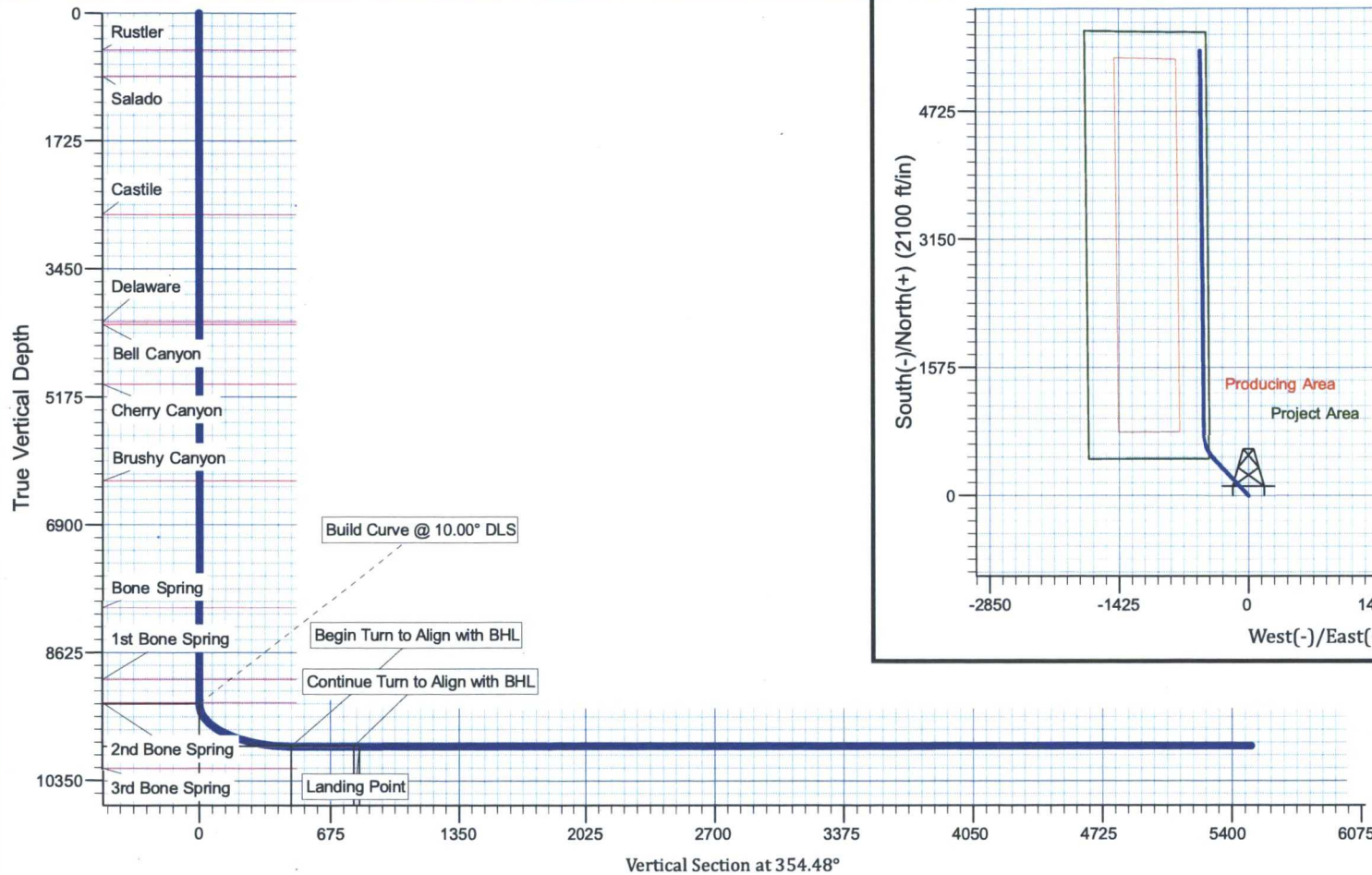
Sarah Mitchell
OXY USA Inc.



Project: PRNM DIRECTIONAL PLANS (NAD83)
Site: Nimitz MDP1 12
Well: Nimitz MDP1 12 Federal 2H
Wellbore: WB00
Design: Permitting Plan

WELL DETAILS: Nimitz MDP1 12 Federal 2H

Ground Level: 3491.60
+N/-S +E/-W Northing Easting Latitude Longitude
0.00 0.00 445549.24 694750.86 32° 13' 26.103642 N 103° 50' 14.012513 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	VSec	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	9315.04	0.00	320.00	9315.04	0.00	0.00	0.00	320.00	0.00		Build Curve @ 10.00° DLS
3	10215.00	90.00	320.00	9888.00	438.88	-368.26	10.00	-40.00	472.27		Begin Turn to Align with BHL
4	10556.31	89.99	356.67	9888.03	750.70	-492.13	10.74	90.01	794.55		Continue Turn to Align with BHL
5	10585.64	90.13	359.56	9888.00	780.00	-493.09	9.88	87.20	823.81		Landing Point
6	15279.61	90.13	359.56	9877.00	5473.82	-528.92	0.00	0.00	5499.32		TD at 15279.61

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Nimitz MDP1 12 Federal 2H
Company:	ENGINEERING DESIGNS	TVD Reference:	WELL @ 3518.10ft (Original Well Elev)
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	WELL @ 3518.10ft (Original Well Elev)
Site:	Nimitz MDP1 12	North Reference:	Grid
Well:	Nimitz MDP1 12 Federal 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 12			
Site Position:		Northing:	446,271.87 usft	Latitude:	32° 13' 33.330036 N
From:	Map	Easting:	693,090.21 usft	Longitude:	103° 50' 33.306215 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.26 °

Well	Nimitz MDP1 12 Federal 2H					
Well Position	+N-S	-722.68 ft	Northing:	445,549.24 usft	Latitude:	32° 13' 26.103642 N
	+E-W	1,660.76 ft	Easting:	694,750.86 usft	Longitude:	103° 50' 14.012513 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	3,491.60 ft	Ground Level:	3,491.60 ft

Wellbore	WB00				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	12/31/2016	7.03	60.03	48,205

Design	Permitting Plan			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)	Direction (°)
	0.00	0.00	0.00	354.48

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	
9,315.04	0.00	320.00	9,315.04	0.00	0.00	0.00	0.00	0.00	320.00	
10,215.00	90.00	320.00	9,888.00	438.88	-368.26	10.00	10.00	0.00	-40.00	
10,556.31	89.99	356.67	9,888.03	750.70	-492.13	10.74	0.00	10.74	90.01	
10,585.64	90.13	359.56	9,888.00	780.00	-493.09	9.88	0.48	9.86	87.20	Interp @ 9774.54
15,279.61	90.13	359.56	9,877.00	5,473.82	-528.92	0.00	0.00	0.00	0.00	N 12 2H BHL

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Nimitz MDP1 12 Federal 2H
Company:	ENGINEERING DESIGNS	TVD Reference:	WELL @ 3518.10ft (Original Well Elev)
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	WELL @ 3518.10ft (Original Well Elev)
Site:	Nimitz MDP1 12	North Reference:	Grid
Well:	Nimitz MDP1 12 Federal 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
498.00	0.00	0.00	498.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
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
853.00	0.00	0.00	853.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado									
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
2,718.00	0.00	0.00	2,718.00	0.00	0.00	0.00	0.00	0.00	0.00
Castile									
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
4,164.00	0.00	0.00	4,164.00	0.00	0.00	0.00	0.00	0.00	0.00
Delaware									
4,199.00	0.00	0.00	4,199.00	0.00	0.00	0.00	0.00	0.00	0.00
Bell Canyon									
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

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Nimitz MDP1 12 Federal 2H
Company:	ENGINEERING DESIGNS	TVD Reference:	WELL @ 3518.10ft (Original Well Elev)
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	WELL @ 3518.10ft (Original Well Elev)
Site:	Nimitz MDP1 12	North Reference:	Grid
Well:	Nimitz MDP1 12 Federal 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)
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
5,003.00	0.00	0.00	5,003.00	0.00	0.00	0.00	0.00	0.00	0.00
Cherry Canyon									
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,308.00	0.00	0.00	6,308.00	0.00	0.00	0.00	0.00	0.00	0.00
Brushy Canyon									
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,022.00	0.00	0.00	8,022.00	0.00	0.00	0.00	0.00	0.00	0.00
Bone Spring									
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,989.00	0.00	0.00	8,989.00	0.00	0.00	0.00	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Well Nimitz MDP1 12 Federal 2H
Company:	ENGINEERING DESIGNS	TVD Reference:	WELL @ 3518.10ft (Original Well Elev)
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	WELL @ 3518.10ft (Original Well Elev)
Site:	Nimitz MDP1 12	North Reference:	Grid
Well:	Nimitz MDP1 12 Federal 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)
1st Bone Spring									
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00
9,301.00	0.00	0.00	9,301.00	0.00	0.00	0.00	0.00	0.00	0.00
2nd Bone Spring									
9,315.04	0.00	0.00	9,315.04	0.00	0.00	0.00	0.00	0.00	0.00
Build Curve @ 10.00° DLS									
9,400.00	8.50	320.00	9,399.69	4.82	-4.04	5.18	10.00	10.00	0.00
9,500.00	18.50	320.00	9,496.80	22.67	-19.02	24.40	10.00	10.00	0.00
9,600.00	28.50	320.00	9,588.40	53.17	-44.62	57.22	10.00	10.00	0.00
9,700.00	38.50	320.00	9,671.68	95.40	-80.05	102.65	10.00	10.00	0.00
9,800.00	48.50	320.00	9,744.13	148.06	-124.23	159.32	10.00	10.00	0.00
9,900.00	58.50	320.00	9,803.55	209.55	-175.84	225.50	10.00	10.00	0.00
10,000.00	68.50	320.00	9,848.12	278.02	-233.29	299.17	10.00	10.00	0.00
10,100.00	78.50	320.00	9,876.49	351.38	-294.84	378.11	10.00	10.00	0.00
10,200.00	88.50	320.00	9,887.80	427.39	-358.62	459.90	10.00	10.00	0.00
10,215.00	90.00	320.00	9,888.00	438.88	-368.26	472.27	10.00	10.00	0.00
Begin Turn to Align with BHL									
10,300.00	89.99	329.13	9,888.00	508.06	-417.49	545.86	10.74	0.00	10.74
10,400.00	89.99	339.88	9,888.01	598.19	-460.47	639.71	10.74	0.00	10.74
10,500.00	89.99	350.62	9,888.03	694.76	-485.90	738.27	10.74	0.00	10.74
10,556.31	89.99	356.67	9,888.03	750.70	-492.13	794.55	10.74	0.00	10.74
Continue Turn to Align with BHL									
10,585.64	90.13	359.56	9,888.00	780.00	-493.09	823.81	9.88	0.48	9.86
Landing Point									
10,600.00	90.13	359.56	9,887.97	794.36	-493.20	838.12	0.00	0.00	0.00
10,700.00	90.13	359.56	9,887.73	894.36	-493.97	937.72	0.00	0.00	0.00
10,800.00	90.13	359.56	9,887.50	994.36	-494.73	1,037.33	0.00	0.00	0.00
10,900.00	90.13	359.56	9,887.26	1,094.35	-495.49	1,136.94	0.00	0.00	0.00
11,000.00	90.13	359.56	9,887.03	1,194.35	-496.26	1,236.54	0.00	0.00	0.00
11,100.00	90.13	359.56	9,886.79	1,294.35	-497.02	1,336.15	0.00	0.00	0.00
11,200.00	90.13	359.56	9,886.56	1,394.34	-497.78	1,435.76	0.00	0.00	0.00
11,300.00	90.13	359.56	9,886.33	1,494.34	-498.55	1,535.36	0.00	0.00	0.00
11,400.00	90.13	359.56	9,886.09	1,594.34	-499.31	1,634.97	0.00	0.00	0.00
11,500.00	90.13	359.56	9,885.86	1,694.34	-500.07	1,734.58	0.00	0.00	0.00
11,600.00	90.13	359.56	9,885.62	1,794.33	-500.84	1,834.18	0.00	0.00	0.00
11,700.00	90.13	359.56	9,885.39	1,894.33	-501.60	1,933.79	0.00	0.00	0.00
11,800.00	90.13	359.56	9,885.15	1,994.33	-502.36	2,033.40	0.00	0.00	0.00
11,900.00	90.13	359.56	9,884.92	2,094.32	-503.13	2,133.00	0.00	0.00	0.00
12,000.00	90.13	359.56	9,884.69	2,194.32	-503.89	2,232.61	0.00	0.00	0.00
12,100.00	90.13	359.56	9,884.45	2,294.32	-504.65	2,332.22	0.00	0.00	0.00
12,200.00	90.13	359.56	9,884.22	2,394.31	-505.42	2,431.82	0.00	0.00	0.00
12,300.00	90.13	359.56	9,883.98	2,494.31	-506.18	2,531.43	0.00	0.00	0.00
12,400.00	90.13	359.56	9,883.75	2,594.31	-506.94	2,631.04	0.00	0.00	0.00
12,500.00	90.13	359.56	9,883.51	2,694.30	-507.71	2,730.64	0.00	0.00	0.00
12,600.00	90.13	359.56	9,883.28	2,794.30	-508.47	2,830.25	0.00	0.00	0.00
12,700.00	90.13	359.56	9,883.05	2,894.30	-509.23	2,929.86	0.00	0.00	0.00
12,800.00	90.13	359.56	9,882.81	2,994.29	-510.00	3,029.46	0.00	0.00	0.00
12,900.00	90.13	359.56	9,882.58	3,094.29	-510.76	3,129.07	0.00	0.00	0.00
13,000.00	90.13	359.56	9,882.34	3,194.29	-511.52	3,228.68	0.00	0.00	0.00
13,100.00	90.13	359.56	9,882.11	3,294.28	-512.29	3,328.28	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Well Nimitz MDP1 12 Federal 2H
Company:	ENGINEERING DESIGNS	TVD Reference:	WELL @ 3518.10ft (Original Well Elev)
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	WELL @ 3518.10ft (Original Well Elev)
Site:	Nimitz MDP1 12	North Reference:	Grid
Well:	Nimitz MDP1 12 Federal 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)
13,200.00	90.13	359.56	9,881.87	3,394.28	-513.05	3,427.89	0.00	0.00	0.00
13,300.00	90.13	359.56	9,881.64	3,494.28	-513.81	3,527.50	0.00	0.00	0.00
13,400.00	90.13	359.56	9,881.40	3,594.27	-514.58	3,627.10	0.00	0.00	0.00
13,500.00	90.13	359.56	9,881.17	3,694.27	-515.34	3,726.71	0.00	0.00	0.00
13,600.00	90.13	359.56	9,880.94	3,794.27	-516.10	3,826.32	0.00	0.00	0.00
13,700.00	90.13	359.56	9,880.70	3,894.27	-516.87	3,925.92	0.00	0.00	0.00
13,800.00	90.13	359.56	9,880.47	3,994.26	-517.63	4,025.53	0.00	0.00	0.00
13,900.00	90.13	359.56	9,880.23	4,094.26	-518.39	4,125.14	0.00	0.00	0.00
14,000.00	90.13	359.56	9,880.00	4,194.26	-519.16	4,224.74	0.00	0.00	0.00
14,100.00	90.13	359.56	9,879.76	4,294.25	-519.92	4,324.35	0.00	0.00	0.00
14,200.00	90.13	359.56	9,879.53	4,394.25	-520.68	4,423.96	0.00	0.00	0.00
14,300.00	90.13	359.56	9,879.30	4,494.25	-521.45	4,523.56	0.00	0.00	0.00
14,400.00	90.13	359.56	9,879.06	4,594.24	-522.21	4,623.17	0.00	0.00	0.00
14,500.00	90.13	359.56	9,878.83	4,694.24	-522.97	4,722.78	0.00	0.00	0.00
14,600.00	90.13	359.56	9,878.59	4,794.24	-523.74	4,822.38	0.00	0.00	0.00
14,700.00	90.13	359.56	9,878.36	4,894.23	-524.50	4,921.99	0.00	0.00	0.00
14,800.00	90.13	359.56	9,878.12	4,994.23	-525.26	5,021.60	0.00	0.00	0.00
14,900.00	90.13	359.56	9,877.89	5,094.23	-526.03	5,121.20	0.00	0.00	0.00
15,000.00	90.13	359.56	9,877.66	5,194.22	-526.79	5,220.81	0.00	0.00	0.00
15,100.00	90.13	359.56	9,877.42	5,294.22	-527.55	5,320.42	0.00	0.00	0.00
15,200.00	90.13	359.56	9,877.19	5,394.22	-528.32	5,420.02	0.00	0.00	0.00
15,279.61	90.13	359.56	9,877.00	5,473.82	-528.92	5,499.32	0.00	0.00	0.00
TD at 15279.61									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
N 12 2H KOP - hit/miss target - Shape - Point	0.00	0.00	9,315.00	549.26	-491.33	446,098.46	694,259.56	32° 13' 31.560967 N	103° 50' 19.702455
- plan misses target center by 574.93ft at 10369.01ft MD (9888.01 TVD, 569.42 N, -448.97 E)									
N 12 2H BHL - plan hits target center - Point	0.00	0.00	9,877.00	5,473.82	-528.92	451,022.70	694,221.97	32° 14' 20.291394 N	103° 50' 19.876184
Interp @ 9774.54 - plan hits target center - Point	0.00	0.00	9,888.00	780.00	-493.09	446,329.19	694,257.79	32° 13' 33.844266 N	103° 50' 19.710596

Oxy Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Well Nimitz MDP1 12 Federal 2H
Company:	ENGINEERING DESIGNS	TVD Reference:	WELL @ 3518.10ft (Original Well Elev)
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	WELL @ 3518.10ft (Original Well Elev)
Site:	Nimitz MDP1 12	North Reference:	Grid
Well:	Nimitz MDP1 12 Federal 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
498.00	498.00	Rustler				
853.00	853.00	Salado				
2,718.00	2,718.00	Castile				
4,164.00	4,164.00	Delaware				
4,199.00	4,199.00	Bell Canyon				
5,003.00	5,003.00	Cherry Canyon				
6,308.00	6,308.00	Brushy Canyon				
8,022.00	8,022.00	Bone Spring				
8,989.00	8,989.00	1st Bone Spring				
9,301.00	9,301.00	2nd Bone Spring				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N-S (ft)	+E-W (ft)	Comment	
9,315.04	9,315.04	0.00	0.00	Build Curve @ 10.00° DLS	
10,215.00	9,888.00	438.88	-368.26	Begin Turn to Align with BHL	
10,556.31	9,888.03	750.70	-492.13	Continue Turn to Align with BHL	
10,585.64	9,888.00	780.00	-493.09	Landing Point	
15,279.61	9,877.00	5,473.82	-528.92	TD at 15279.61	



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

July 24, 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 Section 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", with a stylized flourish at the end.

Kacie Cruz
Development Production Engineer

Lowe, Leonard, EMNRD

From: Lowe, Leonard, EMNRD
Sent: Monday, August 21, 2017 8:55 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: APPROVED: NSL-7569 (Nimitz MDP1 12 Federal Well No. 2H & NSL-7570 (Nimitz MDP1 12 Federal Well No. 7H)_SEC 12 24S 30E
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>

NSL-7569

Oxy USA, Inc.

WELL: API #: 30-015-PENDING

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

NSL-7570

Oxy USA, Inc.

WELL: API #: 30-015-PENDING

WELL NAME: Nimitz MDP1 12 Federal 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/>