

RECEIVED: 7/27/17	REVIEWER: LRL	TYPE: NSL	APP NO: OKSC1720948541
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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 Com #7H **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- 7570**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

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 Com #7H – Cotton Draw; Bone Spring
Surface – 379 FSL 868 FEL Ut P Sec 12 T24S R30E
Top Perforation – 340 FSL 1270 FEL Ut P Sec 12 T24S R30E
Bottom Perforation – 340 FNL 1270 FEL Ut A Sec 12 T24S R30E
Bottom Hole – 180 FNL 1270 FEL Ut A 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 Com #7H well, API Number-30-015-Pending, Property Code Pending. The #7H 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 868 FEL Ut P Sec 12 T24S R30E
Top Perforation – 340 FSL 1270 FEL Ut P Sec 12 T24S R30E
Bottom Perforation – 340 FNL 1270 FEL UT A Sec 12 T24S R30E
Bottom Hole – 180 FNL 1270 FEL Ut A Sec 12 T24S R30E

The adjoining spacing units are located in T24S R30E, Section 1–Units O, P; Section 12 – Units B, G, J, O; Section 13- Units A, B; T24S-R31E, Section 6- Unit M; Section 7- Units D, E, L, M; Section 18- Unit D

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 MDPI 12 Federal Com #7H – Cotton Draw; Bone Spring
Surface – 379 FSL 868 FEL Ut P Sec 12 T24S R30E
Top Perforation – 340 FSL 1270 FEL Ut P Sec 12 T24S R30E
Bottom Perforation – 340 FNL 1270 FEL Ut A Sec 12 T24S R30E
Bottom Hole – 180 FNL 1270 FEL Ut A Sec 12 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 868 FEL Ut P Sec 12 T24S R30E
Top Perforation – 340 FSL 1270 FEL Ut P Sec 12 T24S R30E
Bottom Perforation – 340 FNL 1270 FEL Ut A Sec 12 T24S R30E
Bottom Hole – 180 FNL 1270 FEL Ut A Sec 12 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		8. Lease Name and Well No. NIMITZ MDP1 12 FEDERAL COM 7H
3b. Phone No. (include area code) (713)366-5716		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements:*) At surface SESE / 379 FSL / 868 FEL / LAT 32.2261861 / LONG -103.8284722 At proposed prod. zone NENE / 180 FNL / 1270 FEL / LAT 32.2391139 / LONG -103.829764		10. Field and Pool, or Exploratory COTTON DRAW BONE SPRING / 2ND I
14. Distance in miles and direction from nearest town or post office* 15 miles		11. Sec., T. R. M. or Blk. and Survey or Area SEC 12 / T24S / R30E / NMP
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	12. County or Parish EDDY
17. Spacing Unit dedicated to this well 160	13. State NM	
18. Distance from proposed location* to nearest well, drilling, completed, 30 feet applied for, on this lease, ft.	19. Proposed Depth 9968 feet / 14723 feet	20. BLM/BIA Bond No. on file FED: ES8000226
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3526 feet	22. Approximate date work will start* 07/02/2018	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 06/21/2017
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title Office CARLSBAD		

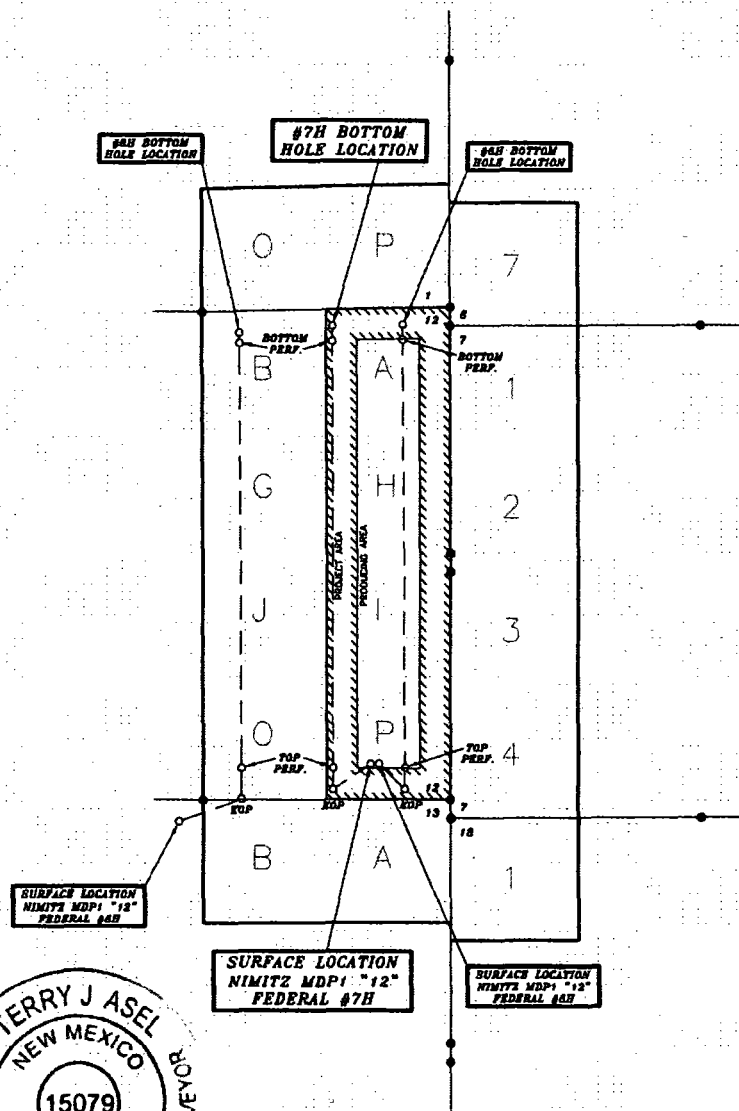
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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 "12" FEDERAL^{Com}#7H
 SECTIONS 1, 12 & 13, TOWNSHIP 24 SOUTH,
 RANGE 30 EAST AND SECTIONS 6, 7 & 18,
 TOWNSHIP 24 SOUTH, RANGE 31 EAST,
 N.M.P.M., EDDY COUNTY, NEW MEXICO



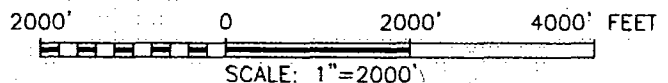
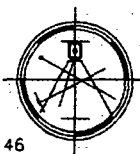
SURVEYORS CERTIFICATE

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 2/17/2017
 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



District I
1025 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) 748-9720
District III
1000 Rio Bravo 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) 476-3469 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 COM	Well Number 7H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3525.9'

Surface Location

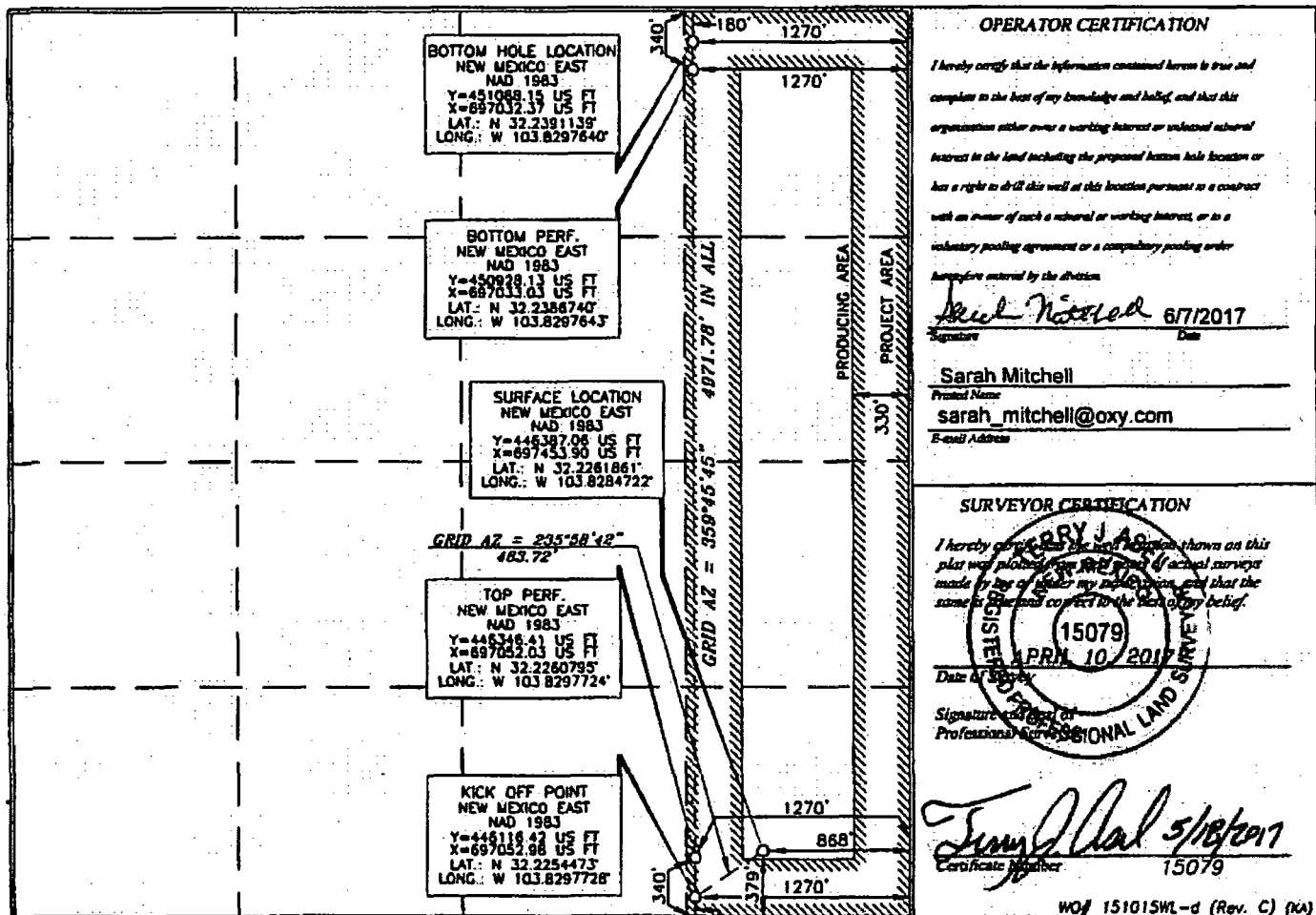
UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
P	12	24 SOUTH	30 EAST, N.M.P.M.		379'	SOUTH	868'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
A	12	24 SOUTH	30 EAST, N.M.P.M.		180'	NORTH	1270'	EAST	EDDY

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

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



District I
1623 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-4161 Fax: (575) 393-0720
District II
111 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-0720
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
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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 8H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3506.7'

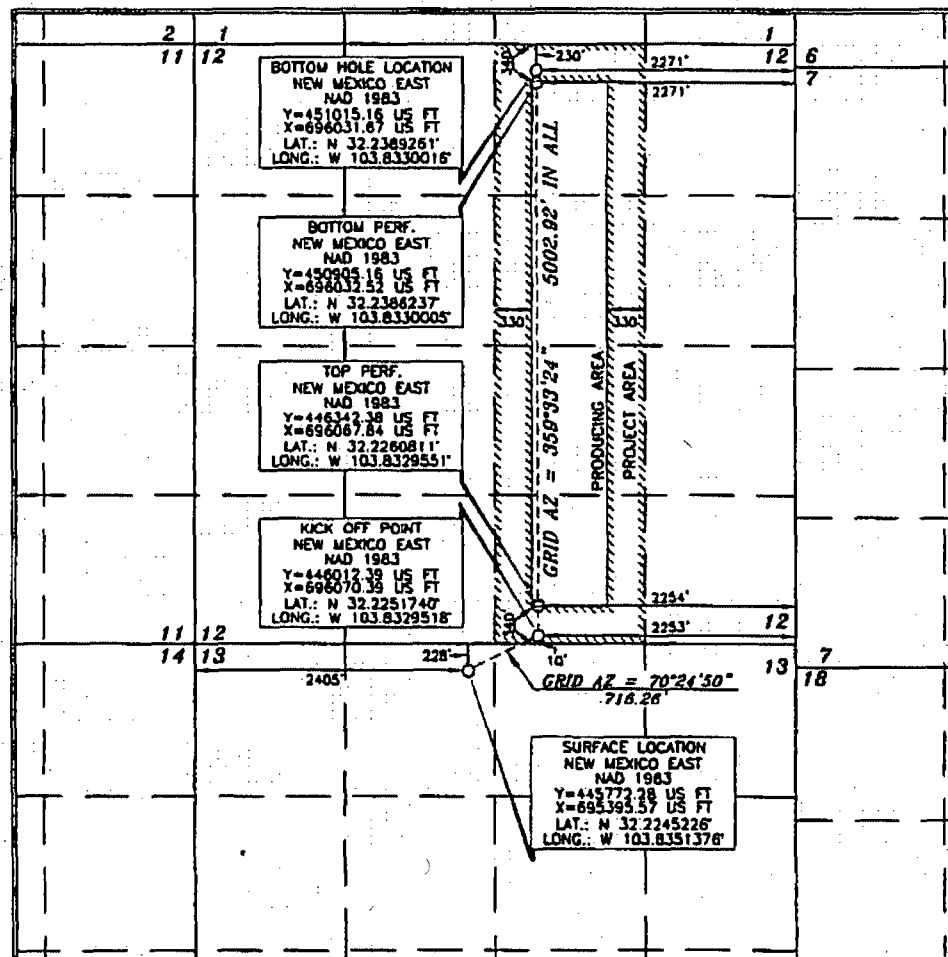
Surface Location

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.		228'	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
B	12	24 SOUTH	30 EAST, N.M.P.M.		230'	NORTH	2271'	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.

Sarah Mitchell 2/21/2017
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 obtained from a true and correct survey made by myself or under my supervision, and that the same is true and correct to the best of my belief.

Ferry J. Asch
15079
JANUARY 12, 2016
Date of Survey

Ferry J. Asch
Professional Surveyor

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

Application Non-Standard Location - Service List
OXY USA Inc.
Nimitz MDP1 12 Federal Com #7H

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 O, P

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

Section 12- Units A, B, G, H, I, J, O, P

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 A, B

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

T24S-R31E
Section 6- Unit M

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

Section 7- Units D, E, L, M

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

Section 18- Unit D

OXY USA Inc. - **80% WI**
P.O. Box 50250
Midland, Texas 79710

McCombs Energy, Ltd. - **20% WI**
750 E. Mulberry Ave., Suite 403
San Antonio, Texas 78212
7017-0190-0000-4589-1589

Application Non-Standard Location - Service List

OXY USA Inc.

Nimitz MDP1 12 Federal Com #7H

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

24-Jul-2017

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

Sarah Mitchell
OXY USA Inc.



Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: NIMITZ MDP1 12 FEDERAL COM
Well: NIMITZ MDP1 12 FEDERAL COM 7H
Wellbore: WB00
Design: Permitting Plan

WELL DETAILS: NIMITZ MDP1 12 FEDERAL COM 7H

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

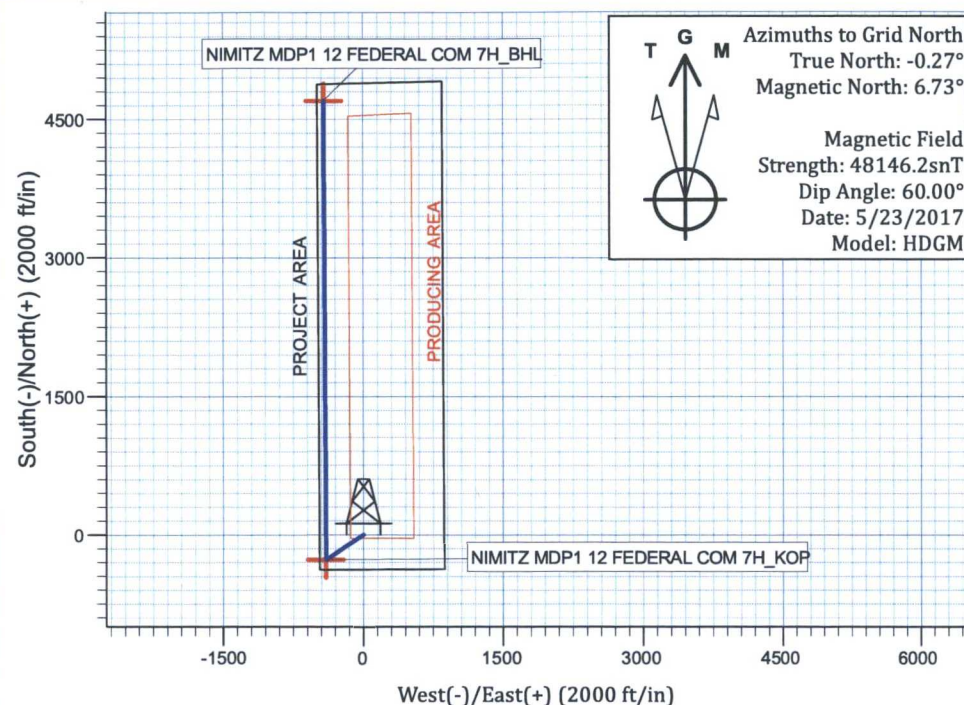
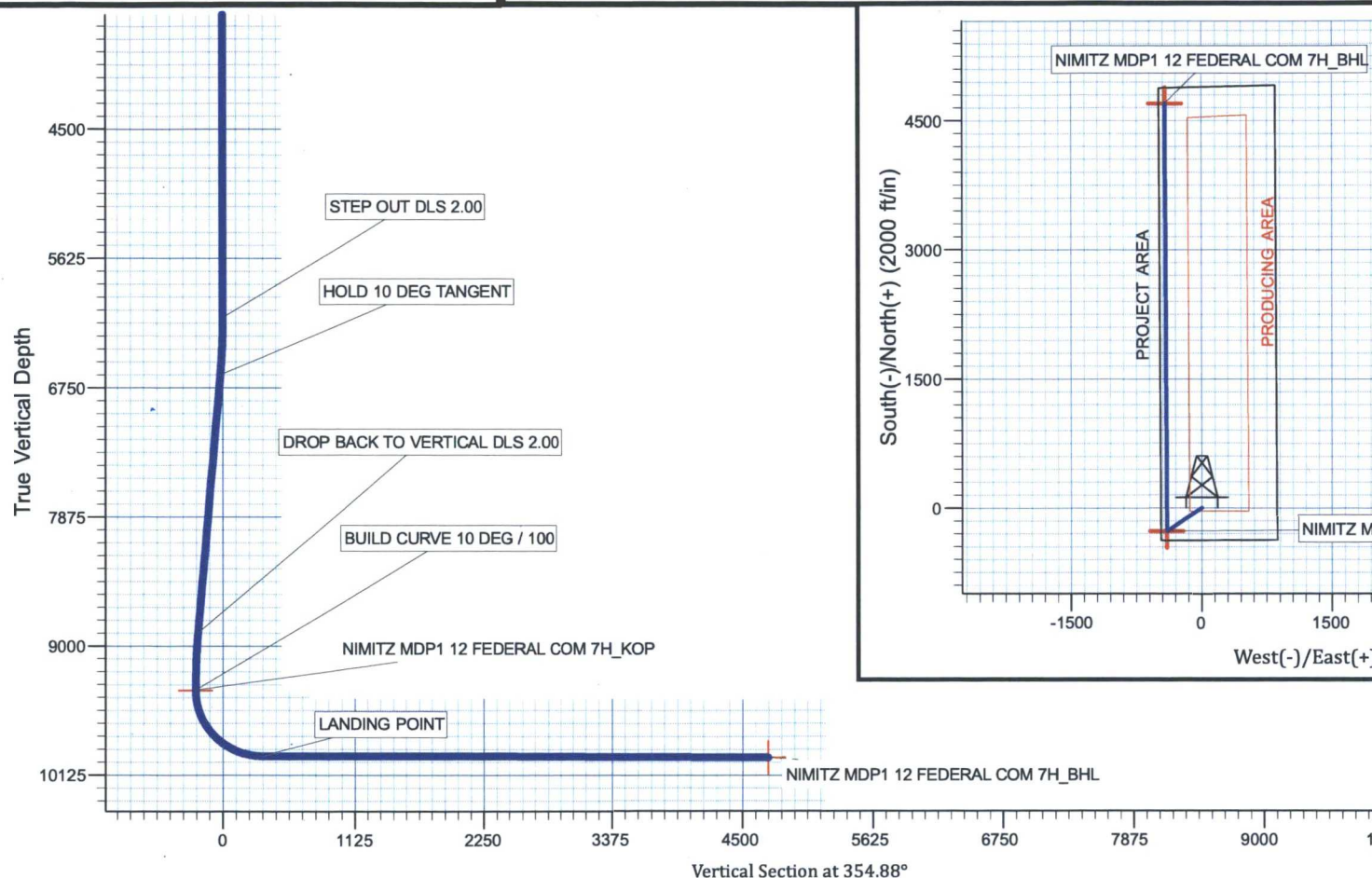
Northing 446387.06

Ground Level: 3525.90

Easting 697453.90
Datum @ 3552.40ft

Latitude 32° 13' 34.269848 N

Longitude 103° 49' 42.499828 W



Azimuths to Grid North
True North: -0.27°
Magnetic North: 6.73°
Magnetic Field
Strength: 48146.2snT
Dip Angle: 60.00°
Date: 5/23/2017
Model: HDGM

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	6140.00	0.00	0.00	6140.00	0.00	0.00	0.00	0.00	0.00		STEP OUT DLS 2.00
3	6639.94	10.00	235.98	6637.40	-24.34	-36.06	2.00	235.98	-21.03		HOLD 10 DEG TANGENT
4	8924.88	10.00	235.98	8887.64	-246.31	-364.88	0.00	0.00	-212.74		DROP BACK TO VERTICAL DLS 2.00
5	9424.81	0.00	359.76	9385.04	-270.66	-400.95	2.00	180.00	-233.77		BUILD CURVE 10 DEG / 100
6	10324.81	90.00	359.76	9958.00	302.30	-403.32	10.00	-0.24	337.11		LANDING POINT
7	14723.97	89.74	359.76	9968.00	4701.40	-421.56	0.01	180.00	4720.26		TD at 14723.97

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well NIMITZ MDP1 12 FEDERAL COM 7H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3552.40ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3552.40ft
Site:	NIMITZ MDP1 12 FEDERAL COM	North Reference:	Grid
Well:	NIMITZ MDP1 12 FEDERAL COM 7H	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 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 COM 7H					
Well Position	+N-S	-0.37 ft	Northing:	446,387.06 usft	Latitude:	32° 13' 34.269848 N
	+E-W	-90.03 ft	Easting:	697,453.90 usft	Longitude:	103° 49' 42.499828 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) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	354.88

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	
6,140.00	0.00	0.00	6,140.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,639.94	10.00	235.98	6,637.40	-24.34	-36.06	2.00	2.00	0.00	235.98	
8,924.88	10.00	235.98	8,887.64	-246.31	-364.88	0.00	0.00	0.00	0.00	
9,424.81	0.00	359.76	9,385.04	-270.66	-400.95	2.00	-2.00	0.00	180.00	NIMITZ MDP1 12
10,324.81	90.00	359.76	9,958.00	302.30	-403.32	10.00	10.00	0.00	-0.24	
14,723.97	89.74	359.76	9,968.00	4,701.40	-421.56	0.01	-0.01	0.00	180.00	NIMITZ MDP1 12

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well NIMITZ MDP1 12 FEDERAL COM 7H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3552.40ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3552.40ft
Site:	NIMITZ MDP1 12 FEDERAL COM	North Reference:	Grid
Well:	NIMITZ MDP1 12 FEDERAL COM 7H	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
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well NIMITZ MDP1 12 FEDERAL COM 7H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3552.40ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3552.40ft
Site:	NIMITZ MDP1 12 FEDERAL COM	North Reference:	Grid
Well:	NIMITZ MDP1 12 FEDERAL COM 7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,400.00	0.00	0.00	5,400.00	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
6,140.00	0.00	0.00	6,140.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	1.20	235.98	6,200.00	-0.35	-0.52	-0.30	2.00	2.00	0.00
6,300.00	3.20	235.98	6,299.92	-2.50	-3.70	-2.16	2.00	2.00	0.00
6,400.00	5.20	235.98	6,399.64	-6.60	-9.77	-5.70	2.00	2.00	0.00
6,500.00	7.20	235.98	6,499.05	-12.64	-18.72	-10.92	2.00	2.00	0.00
6,600.00	9.20	235.98	6,598.03	-20.62	-30.54	-17.81	2.00	2.00	0.00
6,639.94	10.00	235.98	6,637.40	-24.34	-36.06	-21.03	2.00	2.00	0.00
6,700.00	10.00	235.98	6,696.55	-30.18	-44.71	-26.07	0.00	0.00	0.00
6,800.00	10.00	235.98	6,795.04	-39.89	-59.10	-34.46	0.00	0.00	0.00
6,900.00	10.00	235.98	6,893.52	-49.61	-73.49	-42.85	0.00	0.00	0.00
7,000.00	10.00	235.98	6,992.00	-59.32	-87.88	-51.24	0.00	0.00	0.00
7,100.00	10.00	235.98	7,090.48	-69.04	-102.27	-59.63	0.00	0.00	0.00
7,200.00	10.00	235.98	7,188.96	-78.75	-116.66	-68.02	0.00	0.00	0.00
7,300.00	10.00	235.98	7,287.44	-88.47	-131.05	-76.41	0.00	0.00	0.00
7,400.00	10.00	235.98	7,385.92	-98.18	-145.44	-84.80	0.00	0.00	0.00
7,500.00	10.00	235.98	7,484.40	-107.89	-159.83	-93.19	0.00	0.00	0.00
7,600.00	10.00	235.98	7,582.88	-117.61	-174.22	-101.58	0.00	0.00	0.00
7,700.00	10.00	235.98	7,681.37	-127.32	-188.61	-109.97	0.00	0.00	0.00
7,800.00	10.00	235.98	7,779.85	-137.04	-203.00	-118.36	0.00	0.00	0.00
7,900.00	10.00	235.98	7,878.33	-146.75	-217.40	-126.75	0.00	0.00	0.00
8,000.00	10.00	235.98	7,976.81	-156.47	-231.79	-135.14	0.00	0.00	0.00
8,100.00	10.00	235.98	8,075.29	-166.18	-246.18	-143.53	0.00	0.00	0.00
8,200.00	10.00	235.98	8,173.77	-175.90	-260.57	-151.92	0.00	0.00	0.00
8,300.00	10.00	235.98	8,272.25	-185.61	-274.96	-160.31	0.00	0.00	0.00
8,400.00	10.00	235.98	8,370.73	-195.32	-289.35	-168.70	0.00	0.00	0.00
8,500.00	10.00	235.98	8,469.22	-205.04	-303.74	-177.09	0.00	0.00	0.00
8,600.00	10.00	235.98	8,567.70	-214.75	-318.13	-185.48	0.00	0.00	0.00
8,700.00	10.00	235.98	8,666.18	-224.47	-332.52	-193.87	0.00	0.00	0.00
8,800.00	10.00	235.98	8,764.66	-234.18	-346.91	-202.26	0.00	0.00	0.00
8,900.00	10.00	235.98	8,863.14	-243.90	-361.30	-210.65	0.00	0.00	0.00
8,924.88	10.00	235.98	8,887.64	-246.31	-364.88	-212.74	0.00	0.00	0.00
9,000.00	8.50	235.98	8,961.78	-253.07	-374.89	-218.58	2.00	-2.00	0.00
9,100.00	6.50	235.98	9,060.92	-260.37	-385.70	-224.88	2.00	-2.00	0.00
9,200.00	4.50	235.98	9,160.46	-265.72	-393.64	-229.51	2.00	-2.00	0.00
9,300.00	2.50	235.98	9,260.27	-269.14	-398.69	-232.45	2.00	-2.00	0.00
9,400.00	0.50	235.98	9,360.23	-270.60	-400.86	-233.72	2.00	-2.00	0.00
9,424.81	0.00	359.76	9,385.04	-270.66	-400.95	-233.77	2.00	-2.00	0.00
9,500.00	7.52	359.76	9,460.01	-265.73	-400.97	-228.86	10.00	10.00	0.00
9,600.00	17.52	359.76	9,557.51	-244.08	-401.06	-207.29	10.00	10.00	0.00
9,700.00	27.52	359.76	9,649.77	-205.83	-401.21	-169.18	10.00	10.00	0.00
9,800.00	37.52	359.76	9,733.98	-152.15	-401.44	-115.69	10.00	10.00	0.00
9,900.00	47.52	359.76	9,807.60	-84.65	-401.72	-48.43	10.00	10.00	0.00
10,000.00	57.52	359.76	9,868.37	-5.40	-402.05	30.53	10.00	10.00	0.00
10,100.00	67.52	359.76	9,914.46	83.21	-402.41	118.81	10.00	10.00	0.00
10,200.00	77.52	359.76	9,944.46	178.47	-402.81	213.73	10.00	10.00	0.00
10,300.00	87.52	359.76	9,957.46	277.49	-403.22	312.39	10.00	10.00	0.00

Oxy Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Well NIMITZ MDP1 12 FEDERAL COM 7H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3552.40ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3552.40ft
Site:	NIMITZ MDP1 12 FEDERAL COM	North Reference:	Grid
Well:	NIMITZ MDP1 12 FEDERAL COM 7H	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)
10,324.81	90.00	359.76	9,958.00	302.30	-403.32	337.11	10.00	10.00	0.00
10,400.00	90.00	359.76	9,958.00	377.48	-403.63	412.02	0.01	-0.01	0.00
10,500.00	89.99	359.76	9,958.02	477.48	-404.05	511.66	0.01	-0.01	0.00
10,600.00	89.98	359.76	9,958.04	577.48	-404.46	611.29	0.01	-0.01	0.00
10,700.00	89.98	359.76	9,958.07	677.48	-404.88	710.93	0.01	-0.01	0.00
10,800.00	89.97	359.76	9,958.12	777.48	-405.29	810.57	0.01	-0.01	0.00
10,900.00	89.97	359.76	9,958.17	877.48	-405.71	910.20	0.01	-0.01	0.00
11,000.00	89.96	359.76	9,958.24	977.48	-406.12	1,009.84	0.01	-0.01	0.00
11,100.00	89.95	359.76	9,958.31	1,077.47	-406.53	1,109.48	0.01	-0.01	0.00
11,200.00	89.95	359.76	9,958.40	1,177.47	-406.95	1,209.11	0.01	-0.01	0.00
11,300.00	89.94	359.76	9,958.49	1,277.47	-407.36	1,308.75	0.01	-0.01	0.00
11,400.00	89.94	359.76	9,958.60	1,377.47	-407.78	1,408.39	0.01	-0.01	0.00
11,500.00	89.93	359.76	9,958.71	1,477.47	-408.19	1,508.02	0.01	-0.01	0.00
11,600.00	89.92	359.76	9,958.84	1,577.47	-408.61	1,607.66	0.01	-0.01	0.00
11,700.00	89.92	359.76	9,958.98	1,677.47	-409.02	1,707.29	0.01	-0.01	0.00
11,800.00	89.91	359.76	9,959.12	1,777.47	-409.44	1,806.93	0.01	-0.01	0.00
11,900.00	89.91	359.76	9,959.28	1,877.47	-409.85	1,906.57	0.01	-0.01	0.00
12,000.00	89.90	359.76	9,959.45	1,977.47	-410.27	2,006.20	0.01	-0.01	0.00
12,100.00	89.89	359.76	9,959.63	2,077.47	-410.68	2,105.84	0.01	-0.01	0.00
12,200.00	89.89	359.76	9,959.82	2,177.46	-411.09	2,205.48	0.01	-0.01	0.00
12,300.00	89.88	359.76	9,960.02	2,277.46	-411.51	2,305.11	0.01	-0.01	0.00
12,400.00	89.88	359.76	9,960.23	2,377.46	-411.92	2,404.75	0.01	-0.01	0.00
12,500.00	89.87	359.76	9,960.44	2,477.46	-412.34	2,504.39	0.01	-0.01	0.00
12,600.00	89.87	359.76	9,960.67	2,577.46	-412.75	2,604.02	0.01	-0.01	0.00
12,700.00	89.86	359.76	9,960.92	2,677.46	-413.17	2,703.66	0.01	-0.01	0.00
12,800.00	89.85	359.76	9,961.17	2,777.46	-413.58	2,803.30	0.01	-0.01	0.00
12,900.00	89.85	359.76	9,961.43	2,877.46	-414.00	2,902.93	0.01	-0.01	0.00
13,000.00	89.84	359.76	9,961.70	2,977.45	-414.41	3,002.57	0.01	-0.01	0.00
13,100.00	89.84	359.76	9,961.98	3,077.45	-414.83	3,102.20	0.01	-0.01	0.00
13,200.00	89.83	359.76	9,962.27	3,177.45	-415.24	3,201.84	0.01	-0.01	0.00
13,300.00	89.82	359.76	9,962.57	3,277.45	-415.65	3,301.48	0.01	-0.01	0.00
13,400.00	89.82	359.76	9,962.89	3,377.45	-416.07	3,401.11	0.01	-0.01	0.00
13,500.00	89.81	359.76	9,963.21	3,477.45	-416.48	3,500.75	0.01	-0.01	0.00
13,600.00	89.81	359.76	9,963.54	3,577.45	-416.90	3,600.38	0.01	-0.01	0.00
13,700.00	89.80	359.76	9,963.89	3,677.45	-417.31	3,700.02	0.01	-0.01	0.00
13,800.00	89.79	359.76	9,964.24	3,777.44	-417.73	3,799.66	0.01	-0.01	0.00
13,900.00	89.79	359.76	9,964.60	3,877.44	-418.14	3,899.29	0.01	-0.01	0.00
14,000.00	89.78	359.76	9,964.98	3,977.44	-418.56	3,998.93	0.01	-0.01	0.00
14,100.00	89.78	359.76	9,965.36	4,077.44	-418.97	4,098.56	0.01	-0.01	0.00
14,200.00	89.77	359.76	9,965.76	4,177.44	-419.39	4,198.20	0.01	-0.01	0.00
14,300.00	89.76	359.76	9,966.17	4,277.44	-419.80	4,297.84	0.01	-0.01	0.00
14,400.00	89.76	359.76	9,966.58	4,377.43	-420.21	4,397.47	0.01	-0.01	0.00
14,500.00	89.75	359.76	9,967.01	4,477.43	-420.63	4,497.11	0.01	-0.01	0.00
14,600.00	89.75	359.76	9,967.44	4,577.43	-421.04	4,596.74	0.01	-0.01	0.00
14,700.00	89.74	359.76	9,967.89	4,677.43	-421.46	4,696.38	0.01	-0.01	0.00
14,723.97	89.74	359.76	9,968.00	4,701.40	-421.56	4,720.26	0.01	-0.01	0.00

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well NIMITZ MDP1 12 FEDERAL COM 7H
Company:	ENGINEERING DESIGNS	TVD Reference:	Datum @ 3552.40ft
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	Datum @ 3552.40ft
Site:	NIMITZ MDP1 12 FEDERAL COM	North Reference:	Grid
Well:	NIMITZ MDP1 12 FEDERAL COM 7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

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 - plan hits target center - Point	0.00	0.00	9,385.04	-270.66	-400.95	446,116.42	697,052.98	32° 13' 31.610300 N	103° 49' 47.181933
NIMITZ MDP1 12 - plan hits target center - Point	0.00	0.00	9,968.00	4,701.40	-421.56	451,088.15	697,032.37	32° 14' 20.809849 N	103° 49' 47.150546

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
6,140.00	6,140.00	0.00	0.00	STEP OUT DLS 2.00
6,639.94	6,637.40	-24.34	-36.08	HOLD 10 DEG TANGENT
8,924.88	8,887.64	-246.31	-364.88	DROP BACK TO VERTICAL DLS 2.00
9,424.81	9,385.04	-270.66	-400.95	BUILD CURVE 10 DEG / 100
10,324.81	9,958.00	302.30	-403.32	LANDING POINT
14,723.97	9,968.00	4,701.40	-421.56	TD at 14723.97



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 Com #7H
E/2 E/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/>