

RECEIVED: <u>6/30/17</u>	REVIEWER: <u>LRL.</u>	TYPE: <u>NSL</u>	APP NO: <u>PKSC1719235890</u>
-----------------------------	--------------------------	---------------------	----------------------------------

ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505

**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND
 REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: OXY USA Inc. **OGRID Number:** 16696
Well Name: Sunrise MDP1 8-5 Federal #5H **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 - 7557**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.

6/28/2017Sarah Mitchell

Print or Type Name

Date432-699-4318Phone Numbersarah_mitchell@oxy.come-mail AddressSarah Mitchell

Signature



OXY USA Inc

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

June 28, 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 –
Sunrise MDP1 8-5 Federal #5H – Cotton Draw; Bone Spring
Surface – 834 FSL 1555 FEL Ut O Sec 8 T24S R31E
Top Perforation – 340 FSL 1260 FEL Ut P Sec 8 T24S R31E
Bottom Perforation – 340 FNL 1260 FEL Ut A Sec 5 T24S R31E
Bottom Hole – 180 FNL 1260 FEL Ut A Sec 5 T24 R31E
Eddy County, New Mexico*

Dear Mr. Lowe:

OXY USA Inc. respectfully requests administrative approval of a non-standard location on the Sunrise MDP1 8-5 Federal #5H well, API Number-30-015-Pending, Property Code Pending. The #5H 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 – 834 FSL 1555 FEL Ut O Sec 8 T24S R31E
Top Perforation – 340 FSL 1260 FEL Ut P Sec 8 T24S R31E
Bottom Perforation – 340 FNL 1260 FEL Ut A Sec 5 T24S R31E
Bottom Hole – 180 FNL 1260 FEL Ut A Sec 5 T24 R31E

The adjoining spacing units are located in T23S R31E, Section 32–Units O, P; Section 33–Unit M; T24S R31E Section 4– Lot 4, Units E, L, M; Section 5– Lot 2, Units G, J, O; Section 8 – Units B, G, J, O; Section 9 –Units D, E, L, M; Section 17– Units A, B; and Section 16– Unit D

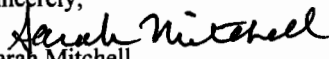
Approval of the unorthodox producing interval will allow for efficient spacing of horizontal wells and thereby prevent waste.

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

June 28, 2017

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Re: *Application for Administrative Approval of Non-Standard Location –
Sunrise MDP1 8-5 Federal #5H – Cotton Draw; Bone Spring
Surface – 834 FSL 1555 FEL Ut O Sec 8 T24S R31E
Top Perforation – 340 FSL 1260 FEL Ut P Sec 8 T24S R31E
Bottom Perforation – 340 FNL 1260 FEL Ut A Sec 5 T24S R31E
Bottom Hole – 180 FNL 1260 FEL Ut A Sec 5 T24 R31E
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 – 834 FSL 1555 FEL Ut O Sec 8 T24S R31E
Top Perforation – 340 FSL 1260 FEL Ut P Sec 8 T24S R31E
Bottom Perforation – 340 FNL 1260 FEL Ut A Sec 5 T24S R31E
Bottom Hole – 180 FNL 1260 FEL Ut A Sec 5 T24 R31E

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.
NMNM 031963

6. If Indian, Allottee or Tribe Name

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

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

8. Lease Name and Well No.
SUNRISE MDP1 8-5 FEDERAL C 5H

9. API Well No.

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 SWSE / 834 FSL / 1555 FEL / LAT 32.2268882 / LONG -103.7963318

At proposed prod. zone LOT 1 / 180 FNL / 1260 FEL / LAT 32.2531649 / LONG -103.7953503

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 8 / T24S / R31E / 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 50 feet
property or lease line, ft.
(Also to nearest drig. unit line, if any)

16. No. of acres in lease
480

17. Spacing Unit dedicated to this well
320

18. Distance from proposed location*
to nearest well, drilling, completed, 30 feet
applied for, on this lease, ft.

19. Proposed Depth
10061 feet / 20303 feet

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

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3543 feet

22. Approximate date work will start*
08/15/2018

23. Estimated duration
25 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
03/28/2017

Title

Sr. Regulatory Advisor

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office
CARLSBAD

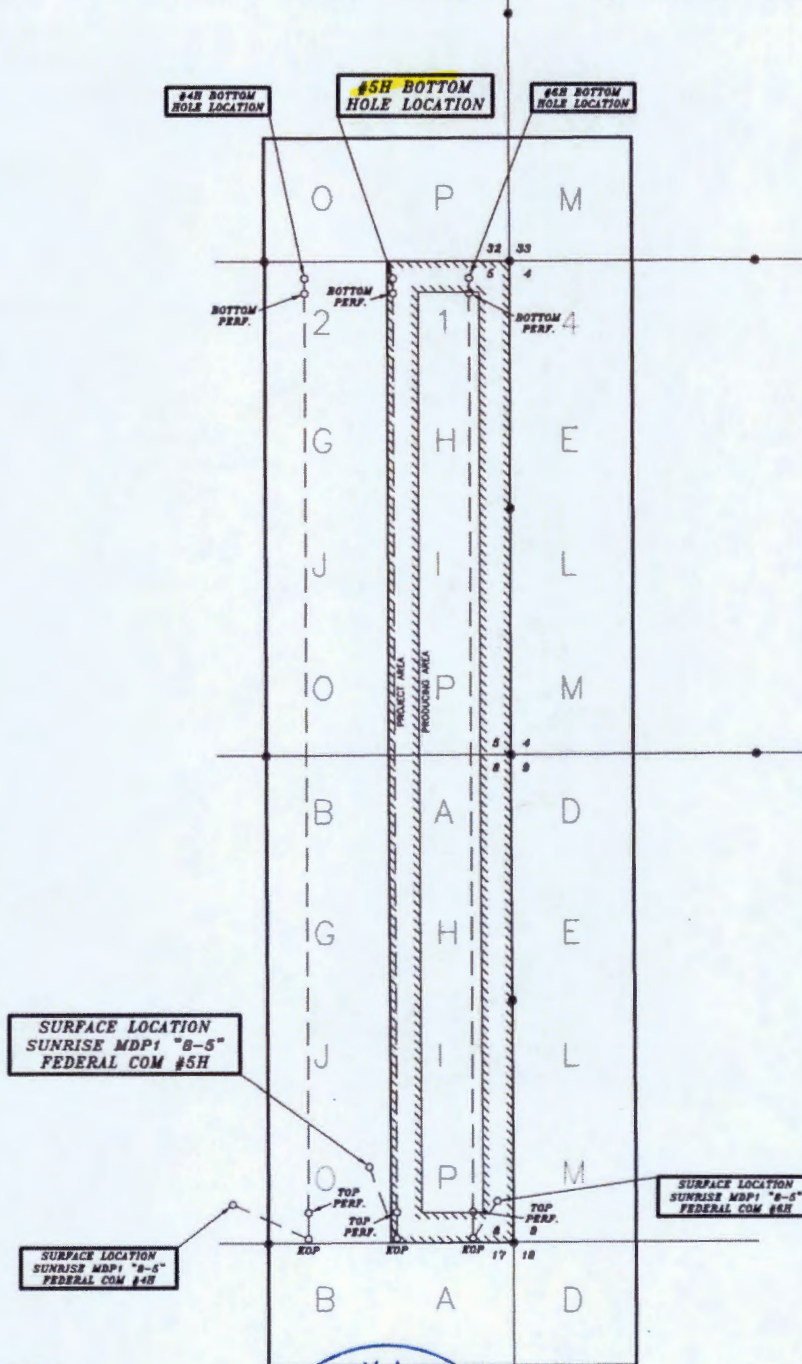
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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.
SUNRISE MDP1 "8-5" FEDERAL COM #5H
SECTIONS 32 & 33, T23S, R31E,
SECTIONS 4, 5, 8, 9, 16 & 17, T24S, R31E,
N.M.P.M., EDDY COUNTY, NEW MEXICO



SURVEYORS CERTIFICATE

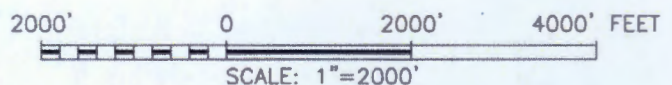
I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW MEXICO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

Terry J. Asel 5/8/2017
 Terry J. Asel N.M. R.P.L.S. No. 15079



Asel Surveying

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



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Azusa, NM 86210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Blanco 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) 476-3450 Fax: (505) 476-3452

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 SUNRISE MDPI "8-5" FEDERAL COM	Well Number 5H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3542.8'

Surface Location

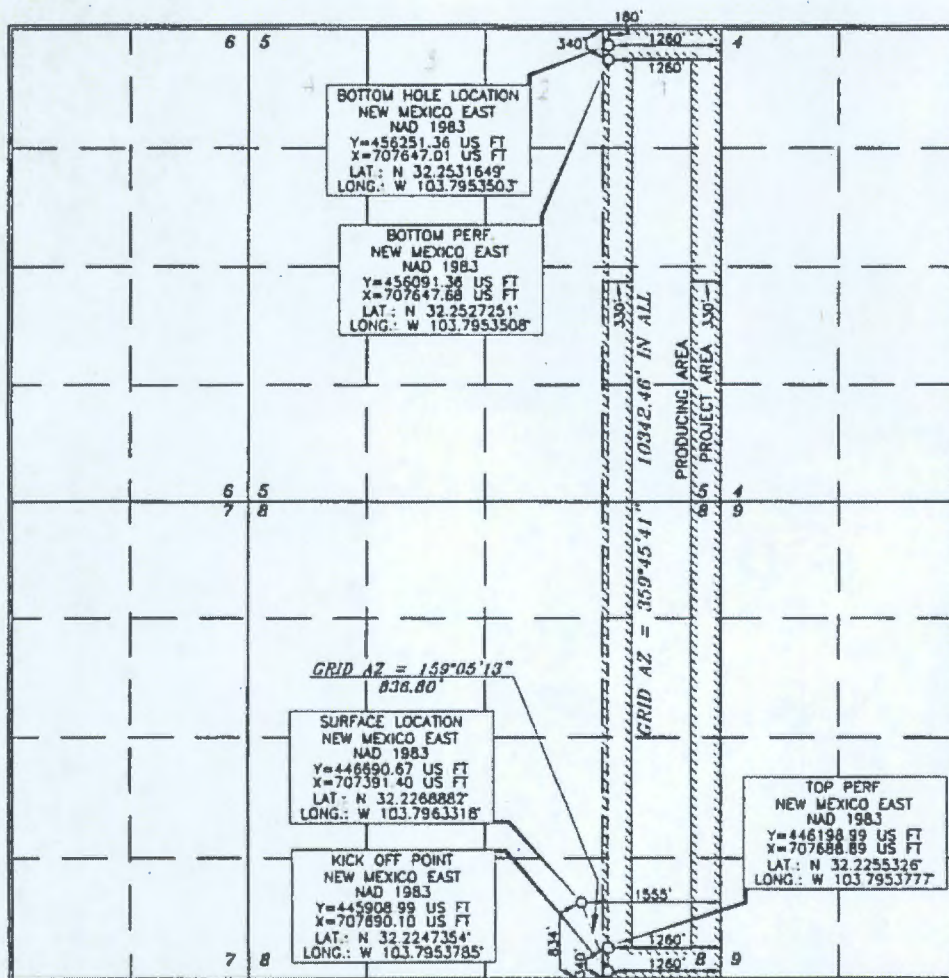
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	8	24 SOUTH	31 EAST, N.M.P.M.		834'	SOUTH	1555'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	5	24 SOUTH	31 EAST, N.M.P.M.		180'	NORTH	1260'	EAST	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 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

hereby entered by the division

Signature: *David Stewart* Date: 3/25/17

David Stewart
Printed Name
david_stewart@oxy.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from the original survey made by me or under my supervision, and that the same is correct to the best of my belief.

Signature: *ERRY J. AS*
Professional Surveyor
Date of Survey: 11/1/2016
Certificate Number: 15079

WO# 160929WL-a (KA)

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-4161 Fax: (505) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-4720
District III
1000 Rio Grande Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87501
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 Springs
Property Code	Property Name SUNRISE MDP1 "8-5" FEDERAL COM	Well Number 4H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3540.8'

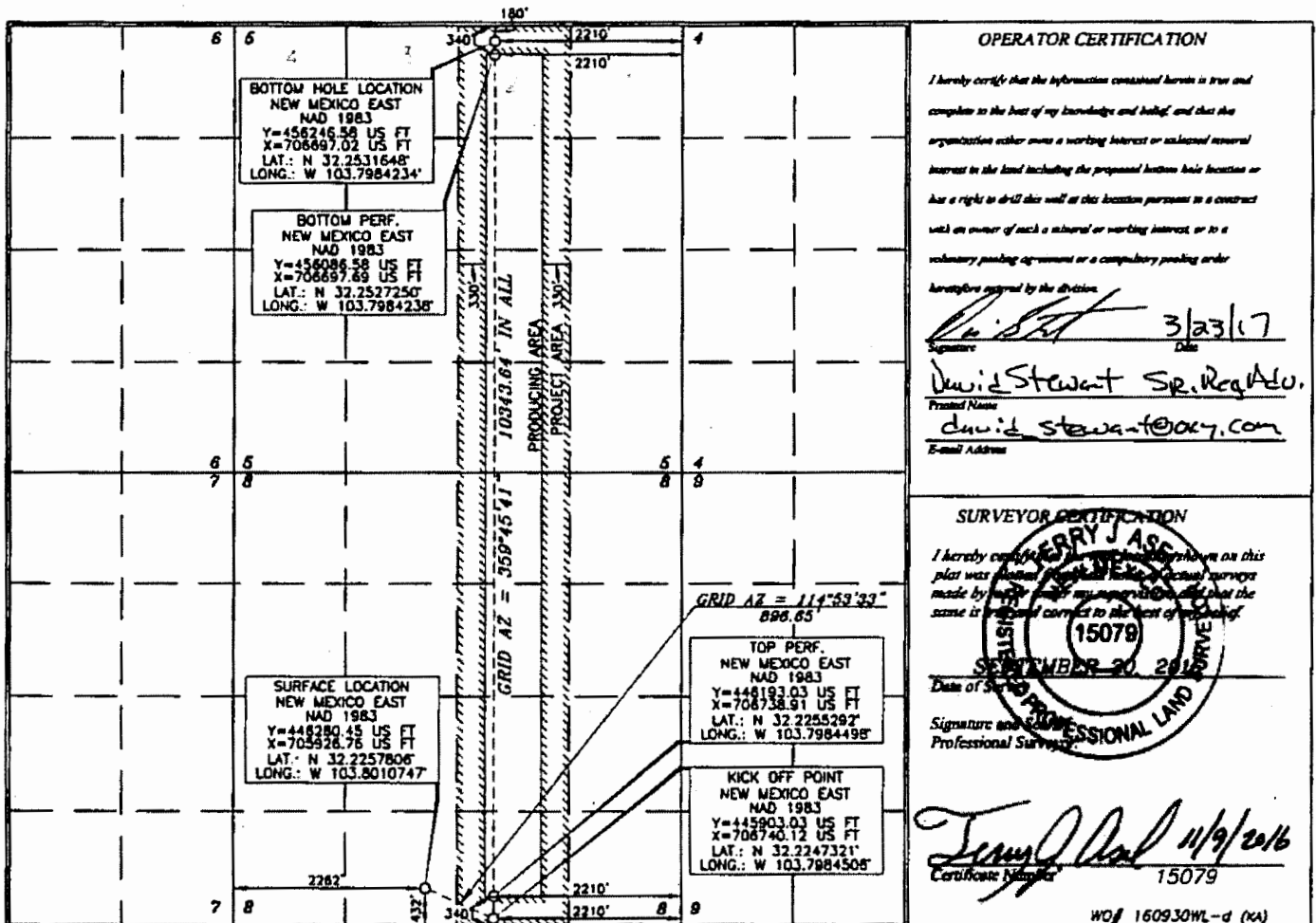
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	B	24 SOUTH	31 EAST, N.M.P.M.		432'	SOUTH	2262'	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
2	5	24 SOUTH	31 EAST, N.M.P.M.		180'	NORTH	2210'	EAST	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.



District I
1623 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-6720
District II
111 S. First St., Artesia, NM 88210
Phone: (575) 748-1281 Fax: (575) 748-9720
District III
1000 Rio Pecos Road, Aztec, NM 87410
Phone: (505) 314-6178 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 SUNRISE MDPI "B-5" FEDERAL COM	Well Number 6H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3513.2'

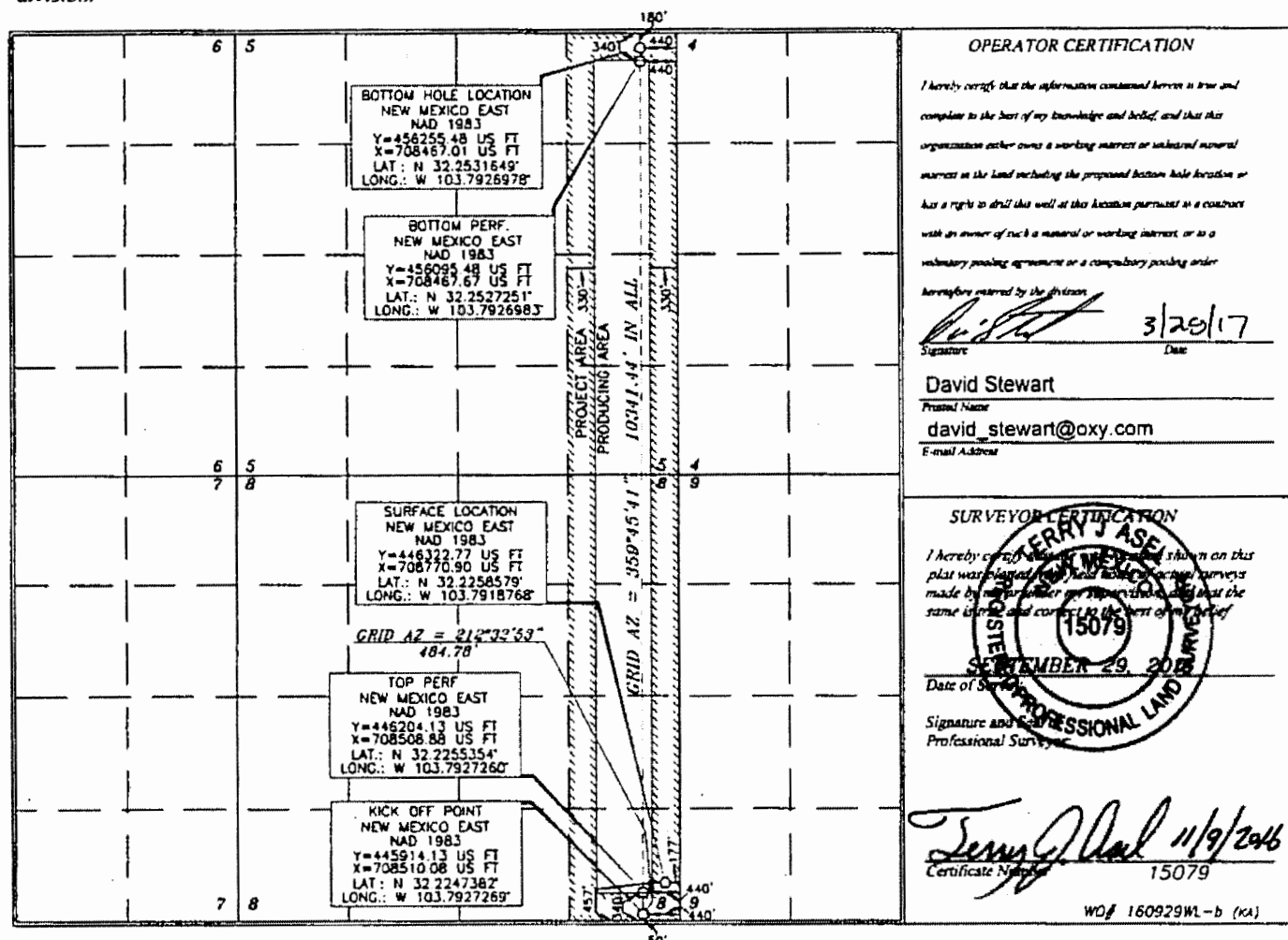
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	B	24 SOUTH	31 EAST, N.M.P.M.		457'	SOUTH	177'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	5	24 SOUTH	31 EAST, N.M.P.M.		180'	NORTH	440'	EAST	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.



Application Non-Standard Location - Service List

1

OXY USA Inc.

Sunrise MDP1 8-5 Federal #5H

New Mexico Oil Conservation Division
811 S. First St.
Artesia, NM 88210
CMRRR-7017 0190 0000 4588 0781

New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
7017 0190 0000 4588 7483

United States Dept of Interior
Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220
7017 0190 0000 4588 0798

T24S R31E

Section 4 - Units D, E

OXY USA Inc. - **86.95% WI**
P.O. Box 50250
Midland, TX 79710

Occidental Permian Ltd. - **11.56% WI**
P.O. Box 50250
Midland, TX 79710

Hayes Properties, Inc. - **1.49% WI**
500 W. Texas Avenue
Midland, Texas 79701
7017 0190 0000 4588 0804

Section 4 - Units L, M

OXY USA Inc. - **98.51%**
P.O. Box 50250
Midland, TX 79710

Hayes Properties, Inc. - **1.49% WI**
500 W. Texas Avenue
Midland, Texas 79701
7017 0190 0000 4588 0804

Section 5 - A, B, G, H, I, J, O, P

OXY USA Inc. - **98.51%**
P.O. Box 50250
Midland, TX 79710

Hayes Properties, Inc. - **1.49% WI**
500 W. Texas Avenue
Midland, Texas 79701
7017 0190 0000 4588 0804

Section 8 - Units A, B, G, H, I, J, O, P

OXY USA Inc. - **68.38% WI**
P.O. Box 50250
Midland, TX 79710

Hayes Properties, Inc. - **1.49% WI**
500 W. Texas Avenue
Midland, Texas 79701
7017 0190 0000 4588 0804

Devon Energy Production Company, L.P.
333 W. Sheridan Avenue
Oklahoma City, Oklahoma 73102-5010
30.13% WI
7017-0190-0000-4588-0972

Section 9 - Units D, E, L, M

Chevron USA Inc. - **100% WI**
6301 Deauville
Midland, TX 79706-2964
7017 0190 0000 4588 0842

Section 16 - Unit D

Chevron USA Inc. - **Lessor***
6301 Deauville
Midland, TX 79706-2964
7017 0190 0000 4588 0842

***Working interest percentage unknown**

Section 17- Units A, B

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

Application Non-Standard Location - Service List
OXY USA Inc.
Sunrise MDP1 8-5 Federal #5H

2

T23S-R31E

Section 32 - Units O, P

OXY Y-1 Company - **10% WI**

P.O. Box 50250

Midland, TX 79710

EOG A Resources, Inc. - **10% WI**

105 S. 4th Street

Artesia, NM 88210-2177

7017 0190 0000 4588 0811

EOG M Resources, Inc. - **10% WI**

105 S. 4th Street

Artesia, NM 88210-2177

7017 0190 0000 4588 0828

EOG Y Resources, Inc. - **70% WI**

105 S. 4th Street

Artesia, NM 88210-2177

7017 0190 0000 4588 0835

Section 33 - Unit M

OXY USA Inc- **84.28% WI**

P.O. Box 50250

Midland, TX 79710

EOG Resources, Inc. - **15.72% WI**

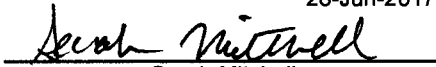
P.O. Box 2267

Midland, TX 79702

7017-0190-0000-4588-1030

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

28-Jun-2017



Sarah Mitchell

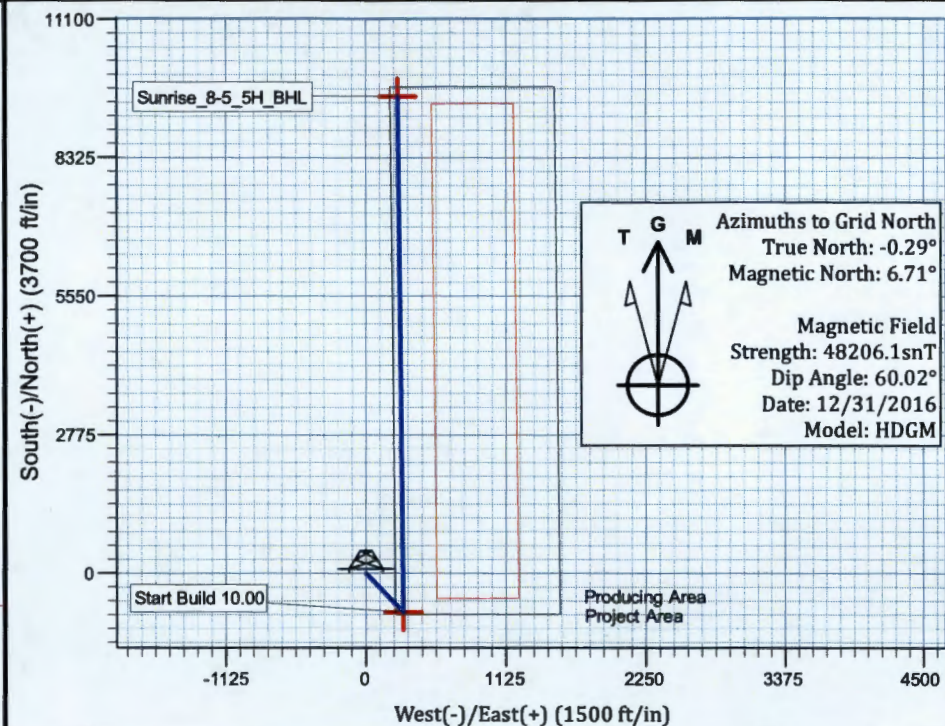
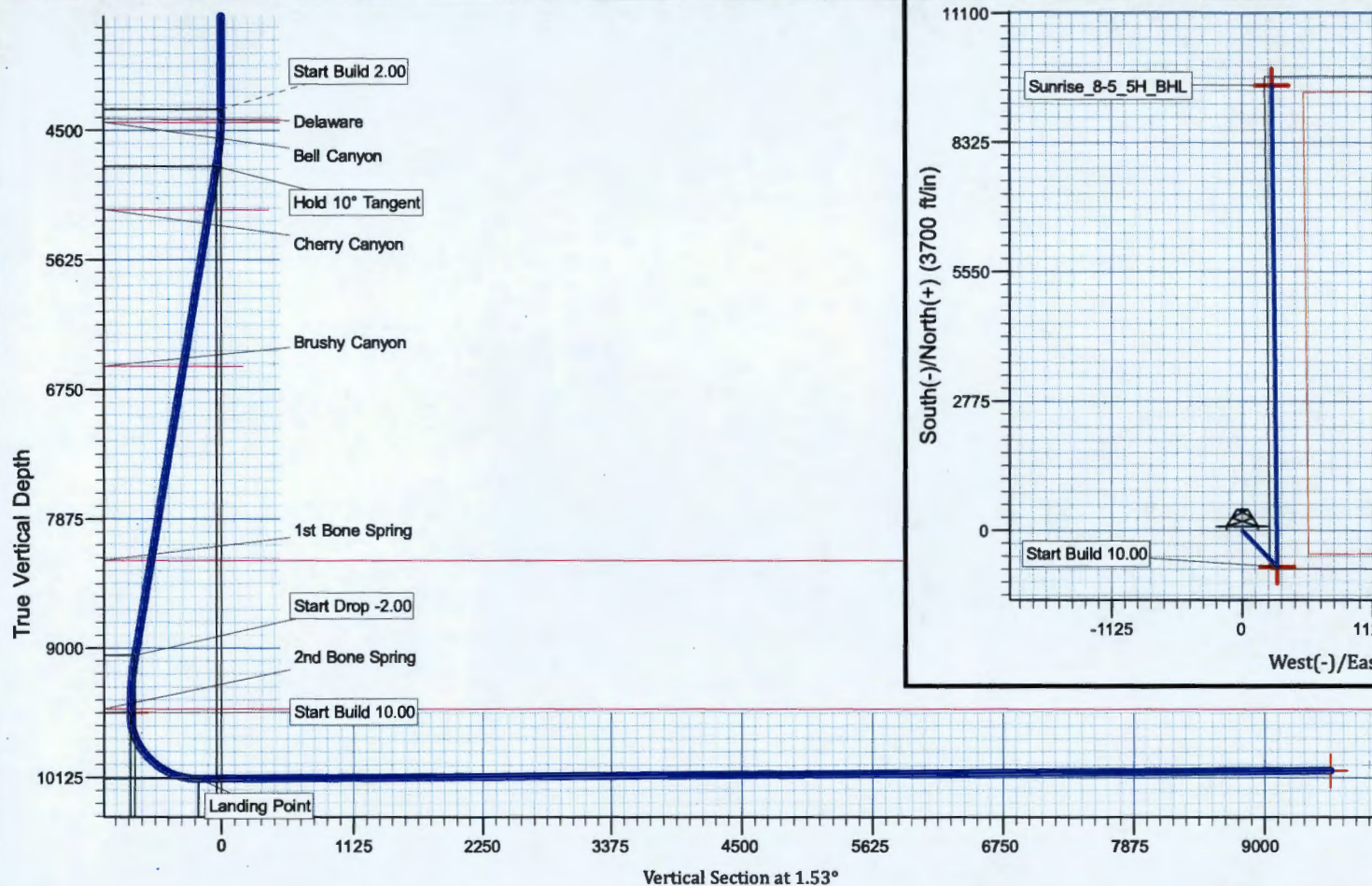
OXY USA Inc.



Project: NM DIRECTIONAL PLANS (NAD83)
 Site: Sunrise MDP1 8-5
 Well: Sunrise MDP1 8-5 Federal Com 5H
 Wellbore: WB00
 Design: Permitting Plan

WELL DETAILS: Sunrise MDP1 8-5 Federal Com 5H

Ground Level: 3542.80 WELL @ 3569.30ft (Original Well Elev)
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00 446690.67 707391.40 32° 13' 36.797466 N 103° 47' 46.794462 W



PROJECT DETAILS: NM DIRECTIONAL PLANS (NAD83)

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		Start Build 2.00
2	4315.00	0.00	0.00	4315.00	0.00	0.00	0.00	0.00	0.00		Hold 10° Tangent
3	4815.04	10.00	159.09	4812.50	-40.66	15.54	2.00	159.09	-40.23		Start Drop -2.00
4	9132.64	10.00	159.09	9064.50	-741.07	283.18	0.00	0.00	-733.23		Start Build 10.00
5	9632.67	0.00	359.76	9562.00	-781.73	298.72	2.00	180.00	-773.47		Landing Point
6	10537.00	90.43	359.76	10134.94	-204.45	296.31	10.00	-0.24	-196.45		TD at 20303.09
7	20303.09	90.43	359.76	10061.00	9561.28	255.63	0.00	0.00	9564.69		

Oxy Planning Report

Database: HOPSP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: Sunrise MDP1 8-5
Well: Sunrise MDP1 8-5 Federal Com 5H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well Sunrise MDP1 8-5 Federal Com 5H
TVD Reference: WELL @ 3569.30ft (Original Well Elev)
MD Reference: WELL @ 3569.30ft (Original Well Elev)
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 Sunrise MDP1 8-5
Site Position:
From: Map
Position Uncertainty: 0.00 ft
Northing: 456,410.80 usft
Easting: 703,629.31 usft
Slot Radius: 13.200 in
Latitude: 32° 15' 13.168174 N
Longitude: 103° 48' 30.038112 W
Grid Convergence: 0.28 °

Well Sunrise MDP1 8-5 Federal Com 5H
Well Position
+N/-S -9,720.74 ft
+E/-W 3,762.33 ft
Position Uncertainty 0.00 ft
Northing: 446,690.67 usft
Easting: 707,391.40 usft
Wellhead Elevation: 3,542.80 ft
Latitude: 32° 13' 36.797466 N
Longitude: 103° 47' 46.794462 W
Ground Level: 3,542.80 ft

Wellbore	WB00				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	12/31/2016	7.00	60.02	48,206

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 1.53

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	
4,315.00	0.00	0.00	4,315.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,815.04	10.00	159.09	4,812.50	-40.66	15.54	2.00	2.00	0.00	159.09	
9,132.64	10.00	159.09	9,064.50	-741.07	283.18	0.00	0.00	0.00	0.00	
9,632.67	0.00	359.76	9,562.00	-781.73	298.72	2.00	-2.00	0.00	180.00	Sunrise_8-5_5H_KOF
10,537.00	90.43	359.76	10,134.94	-204.45	296.31	10.00	10.00	0.00	-0.24	
20,303.09	90.43	359.76	10,061.00	9,561.28	255.63	0.00	0.00	0.00	0.00	Sunrise_8-5_5H_BHL

Oxy Planning Report

Database: HOPSPP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: Sunrise MDP1 8-5
Well: Sunrise MDP1 8-5 Federal Com 5H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well Sunrise MDP1 8-5 Federal Com 5H
TVD Reference: WELL @ 3569.30ft (Original Well Elev)
MD Reference: WELL @ 3569.30ft (Original Well Elev)
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
699.00	0.00	0.00	699.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
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
1,059.00	0.00	0.00	1,059.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado									
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
2,839.00	0.00	0.00	2,839.00	0.00	0.00	0.00	0.00	0.00	0.00
Castile									
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
4,315.00	0.00	0.00	4,315.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
4,400.00	1.70	159.09	4,399.99	-1.18	0.45	-1.17	2.00	2.00	0.00
4,401.01	1.72	159.09	4,401.00	-1.21	0.46	-1.19	2.00	2.00	0.00

Oxy Planning Report

Database: HOPSP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: Sunrise MDP1 8-5
Well: Sunrise MDP1 8-5 Federal Com 5H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well Sunrise MDP1 8-5 Federal Com 5H
TVD Reference: WELL @ 3569.30ft (Original Well Elev)
MD Reference: WELL @ 3569.30ft (Original Well Elev)
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)
Delaware									
4,428.03	2.26	159.09	4,428.00	-2.08	0.80	-2.06	2.00	2.00	0.00
Bell Canyon									
4,500.00	3.70	159.09	4,499.87	-5.58	2.13	-5.52	2.00	2.00	0.00
4,600.00	5.70	159.09	4,599.53	-13.23	5.06	-13.09	2.00	2.00	0.00
4,700.00	7.70	159.09	4,698.84	-24.13	9.22	-23.87	2.00	2.00	0.00
4,800.00	9.70	159.09	4,797.69	-38.26	14.62	-37.85	2.00	2.00	0.00
4,815.04	10.00	159.09	4,812.50	-40.66	15.54	-40.23	2.00	2.00	0.00
Hold 10° Tangent									
4,900.00	10.00	159.09	4,896.17	-54.44	20.80	-53.87	0.00	0.00	0.00
5,000.00	10.00	159.09	4,994.65	-70.67	27.00	-69.92	0.00	0.00	0.00
5,100.00	10.00	159.09	5,093.14	-86.89	33.20	-85.97	0.00	0.00	0.00
5,196.33	10.00	159.09	5,188.00	-102.51	39.17	-101.43	0.00	0.00	0.00
Cherry Canyon									
5,200.00	10.00	159.09	5,191.62	-103.11	39.40	-102.02	0.00	0.00	0.00
5,300.00	10.00	159.09	5,290.10	-119.33	45.60	-118.07	0.00	0.00	0.00
5,400.00	10.00	159.09	5,388.58	-135.55	51.80	-134.12	0.00	0.00	0.00
5,500.00	10.00	159.09	5,487.06	-151.78	58.00	-150.17	0.00	0.00	0.00
5,600.00	10.00	159.09	5,585.54	-168.00	64.20	-166.22	0.00	0.00	0.00
5,700.00	10.00	159.09	5,684.02	-184.22	70.40	-182.27	0.00	0.00	0.00
5,800.00	10.00	159.09	5,782.50	-200.44	76.59	-198.32	0.00	0.00	0.00
5,900.00	10.00	159.09	5,880.98	-216.67	82.79	-214.38	0.00	0.00	0.00
6,000.00	10.00	159.09	5,979.46	-232.89	88.99	-230.43	0.00	0.00	0.00
6,100.00	10.00	159.09	6,077.94	-249.11	95.19	-246.48	0.00	0.00	0.00
6,200.00	10.00	159.09	6,176.42	-265.33	101.39	-262.53	0.00	0.00	0.00
6,300.00	10.00	159.09	6,274.90	-281.55	107.59	-278.58	0.00	0.00	0.00
6,400.00	10.00	159.09	6,373.38	-297.78	113.79	-294.63	0.00	0.00	0.00
6,500.00	10.00	159.09	6,471.86	-314.00	119.99	-310.68	0.00	0.00	0.00
6,578.33	10.00	159.09	6,549.00	-326.70	124.84	-323.25	0.00	0.00	0.00
Brushy Canyon									
6,600.00	10.00	159.09	6,570.34	-330.22	126.19	-326.73	0.00	0.00	0.00
6,700.00	10.00	159.09	6,668.82	-346.44	132.38	-342.78	0.00	0.00	0.00
6,800.00	10.00	159.09	6,767.30	-362.66	138.58	-358.83	0.00	0.00	0.00
6,900.00	10.00	159.09	6,865.78	-378.89	144.78	-374.88	0.00	0.00	0.00
7,000.00	10.00	159.09	6,964.27	-395.11	150.98	-390.93	0.00	0.00	0.00
7,100.00	10.00	159.09	7,062.75	-411.33	157.18	-406.98	0.00	0.00	0.00
7,200.00	10.00	159.09	7,161.23	-427.55	163.38	-423.03	0.00	0.00	0.00
7,300.00	10.00	159.09	7,259.71	-443.77	169.58	-439.08	0.00	0.00	0.00
7,400.00	10.00	159.09	7,358.19	-460.00	175.78	-455.13	0.00	0.00	0.00
7,500.00	10.00	159.09	7,456.67	-476.22	181.98	-471.19	0.00	0.00	0.00
7,600.00	10.00	159.09	7,555.15	-492.44	188.17	-487.24	0.00	0.00	0.00
7,700.00	10.00	159.09	7,653.63	-508.66	194.37	-503.29	0.00	0.00	0.00
7,800.00	10.00	159.09	7,752.11	-524.88	200.57	-519.34	0.00	0.00	0.00
7,900.00	10.00	159.09	7,850.59	-541.11	206.77	-535.39	0.00	0.00	0.00
8,000.00	10.00	159.09	7,949.07	-557.33	212.97	-551.44	0.00	0.00	0.00
8,100.00	10.00	159.09	8,047.55	-573.55	219.17	-567.49	0.00	0.00	0.00
8,200.00	10.00	159.09	8,146.03	-589.77	225.37	-583.54	0.00	0.00	0.00
8,290.34	10.00	159.09	8,235.00	-604.43	230.97	-598.04	0.00	0.00	0.00
1st Bone Spring									
8,300.00	10.00	159.09	8,244.51	-606.00	231.57	-599.59	0.00	0.00	0.00
8,400.00	10.00	159.09	8,342.99	-622.22	237.77	-615.64	0.00	0.00	0.00
8,500.00	10.00	159.09	8,441.47	-638.44	243.96	-631.69	0.00	0.00	0.00
8,600.00	10.00	159.09	8,539.95	-654.66	250.16	-647.74	0.00	0.00	0.00

Oxy Planning Report

Database: HOPSPP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: Sunrise MDP1 8-5
Well: Sunrise MDP1 8-5 Federal Com 5H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well Sunrise MDP1 8-5 Federal Com 5H
TVD Reference: WELL @ 3569.30ft (Original Well Elev)
MD Reference: WELL @ 3569.30ft (Original Well Elev)
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)
8,700.00	10.00	159.09	8,638.43	-670.88	256.38	-663.79	0.00	0.00	0.00
8,800.00	10.00	159.09	8,736.92	-687.11	262.56	-679.84	0.00	0.00	0.00
8,900.00	10.00	159.09	8,835.40	-703.33	268.76	-695.89	0.00	0.00	0.00
9,000.00	10.00	159.09	8,933.88	-719.55	274.96	-711.94	0.00	0.00	0.00
9,100.00	10.00	159.09	9,032.36	-735.77	281.16	-728.00	0.00	0.00	0.00
9,132.64	10.00	159.09	9,064.50	-741.07	283.18	-733.23	0.00	0.00	0.00
Start Drop -2.00									
9,200.00	8.65	159.09	9,130.97	-751.26	287.08	-743.32	2.00	-2.00	0.00
9,300.00	6.65	159.09	9,230.07	-763.70	291.83	-755.63	2.00	-2.00	0.00
9,400.00	4.65	159.09	9,329.58	-772.91	295.35	-764.74	2.00	-2.00	0.00
9,500.00	2.65	159.09	9,429.37	-778.86	297.62	-770.63	2.00	-2.00	0.00
9,597.67	0.70	159.09	9,527.00	-781.53	298.64	-773.27	2.00	-2.00	0.00
2nd Bone Spring									
9,600.00	0.65	159.09	9,529.33	-781.55	298.65	-773.29	2.00	-2.00	0.00
9,632.67	0.00	359.76	9,562.00	-781.73	298.72	-773.47	2.00	-2.00	0.00
Start Build 10.00									
9,700.00	6.73	359.76	9,629.17	-777.78	298.70	-769.52	10.00	10.00	0.00
9,800.00	16.73	359.76	9,726.96	-757.47	298.62	-749.22	10.00	10.00	0.00
9,900.00	26.73	359.76	9,819.73	-720.49	298.46	-712.25	10.00	10.00	0.00
10,000.00	36.73	359.76	9,904.68	-667.96	298.24	-659.75	10.00	10.00	0.00
10,100.00	46.73	359.76	9,979.21	-601.48	297.97	-593.30	10.00	10.00	0.00
10,200.00	56.73	359.76	10,041.06	-523.07	297.64	-514.93	10.00	10.00	0.00
10,300.00	66.73	359.76	10,088.36	-435.10	297.27	-427.00	10.00	10.00	0.00
10,400.00	76.73	359.76	10,119.67	-340.27	296.88	-332.21	10.00	10.00	0.00
10,500.00	86.73	359.76	10,134.03	-241.43	296.47	-233.42	10.00	10.00	0.00
10,537.00	90.43	359.76	10,134.94	-204.45	296.31	-196.45	10.00	10.00	0.00
Landing Point									
10,600.00	90.43	359.76	10,134.47	-141.45	296.05	-133.49	0.00	0.00	0.00
10,700.00	90.43	359.76	10,133.71	-41.46	295.63	-33.54	0.00	0.00	0.00
10,800.00	90.43	359.76	10,132.95	58.54	295.22	66.41	0.00	0.00	0.00
10,900.00	90.43	359.76	10,132.20	158.54	294.80	166.36	0.00	0.00	0.00
11,000.00	90.43	359.76	10,131.44	258.53	294.38	266.31	0.00	0.00	0.00
11,100.00	90.43	359.76	10,130.69	358.53	293.97	366.28	0.00	0.00	0.00
11,200.00	90.43	359.76	10,129.93	458.53	293.55	466.21	0.00	0.00	0.00
11,300.00	90.43	359.76	10,129.18	558.52	293.13	566.16	0.00	0.00	0.00
11,400.00	90.43	359.76	10,128.42	658.52	292.72	666.11	0.00	0.00	0.00
11,500.00	90.43	359.76	10,127.66	758.51	292.30	766.06	0.00	0.00	0.00
11,600.00	90.43	359.76	10,126.91	858.51	291.88	866.01	0.00	0.00	0.00
11,700.00	90.43	359.76	10,126.15	958.51	291.47	965.95	0.00	0.00	0.00
11,800.00	90.43	359.76	10,125.40	1,058.50	291.05	1,065.90	0.00	0.00	0.00
11,900.00	90.43	359.76	10,124.64	1,158.50	290.63	1,165.85	0.00	0.00	0.00
12,000.00	90.43	359.76	10,123.89	1,258.50	290.22	1,265.80	0.00	0.00	0.00
12,100.00	90.43	359.76	10,123.13	1,358.49	289.80	1,365.75	0.00	0.00	0.00
12,200.00	90.43	359.76	10,122.37	1,458.49	289.38	1,465.70	0.00	0.00	0.00
12,300.00	90.43	359.76	10,121.62	1,558.48	288.97	1,565.65	0.00	0.00	0.00
12,400.00	90.43	359.76	10,120.86	1,658.48	288.55	1,665.60	0.00	0.00	0.00
12,500.00	90.43	359.76	10,120.11	1,758.48	288.13	1,765.55	0.00	0.00	0.00
12,600.00	90.43	359.76	10,119.35	1,858.47	287.72	1,865.50	0.00	0.00	0.00
12,700.00	90.43	359.76	10,118.60	1,958.47	287.30	1,965.45	0.00	0.00	0.00
12,800.00	90.43	359.76	10,117.84	2,058.47	286.89	2,065.40	0.00	0.00	0.00
12,900.00	90.43	359.76	10,117.08	2,158.46	286.47	2,165.35	0.00	0.00	0.00
13,000.00	90.43	359.76	10,116.33	2,258.46	286.05	2,265.30	0.00	0.00	0.00
13,100.00	90.43	359.76	10,115.57	2,358.46	285.64	2,365.25	0.00	0.00	0.00

Oxy Planning Report

Database: HOPSPP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: Sunrise MDP1 8-5
Well: Sunrise MDP1 8-5 Federal Com 5H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well Sunrise MDP1 8-5 Federal Com 5H
TVD Reference: WELL @ 3569.30ft (Original Well Elev)
MD Reference: WELL @ 3569.30ft (Original Well Elev)
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)
13,200.00	90.43	359.76	10,114.82	2,458.45	285.22	2,465.20	0.00	0.00	0.00
13,300.00	90.43	359.76	10,114.06	2,558.45	284.80	2,565.15	0.00	0.00	0.00
13,400.00	90.43	359.76	10,113.31	2,658.44	284.39	2,665.09	0.00	0.00	0.00
13,500.00	90.43	359.76	10,112.55	2,758.44	283.97	2,765.04	0.00	0.00	0.00
13,600.00	90.43	359.76	10,111.79	2,858.44	283.55	2,864.99	0.00	0.00	0.00
13,700.00	90.43	359.76	10,111.04	2,958.43	283.14	2,964.94	0.00	0.00	0.00
13,800.00	90.43	359.76	10,110.28	3,058.43	282.72	3,064.89	0.00	0.00	0.00
13,900.00	90.43	359.76	10,109.53	3,158.43	282.30	3,164.84	0.00	0.00	0.00
14,000.00	90.43	359.76	10,108.77	3,258.42	281.89	3,264.79	0.00	0.00	0.00
14,100.00	90.43	359.76	10,108.02	3,358.42	281.47	3,364.74	0.00	0.00	0.00
14,200.00	90.43	359.76	10,107.26	3,458.41	281.05	3,464.69	0.00	0.00	0.00
14,300.00	90.43	359.76	10,106.50	3,558.41	280.64	3,564.64	0.00	0.00	0.00
14,400.00	90.43	359.76	10,105.75	3,658.41	280.22	3,664.59	0.00	0.00	0.00
14,500.00	90.43	359.76	10,104.99	3,758.40	279.80	3,764.54	0.00	0.00	0.00
14,600.00	90.43	359.76	10,104.24	3,858.40	279.39	3,864.49	0.00	0.00	0.00
14,700.00	90.43	359.76	10,103.48	3,958.40	278.97	3,964.44	0.00	0.00	0.00
14,800.00	90.43	359.76	10,102.73	4,058.39	278.55	4,064.39	0.00	0.00	0.00
14,900.00	90.43	359.76	10,101.97	4,158.39	278.14	4,164.34	0.00	0.00	0.00
15,000.00	90.43	359.76	10,101.21	4,258.38	277.72	4,264.29	0.00	0.00	0.00
15,100.00	90.43	359.76	10,100.46	4,358.38	277.30	4,364.23	0.00	0.00	0.00
15,200.00	90.43	359.76	10,099.70	4,458.38	276.89	4,464.18	0.00	0.00	0.00
15,300.00	90.43	359.76	10,098.95	4,558.37	276.47	4,564.13	0.00	0.00	0.00
15,400.00	90.43	359.76	10,098.19	4,658.37	276.05	4,664.08	0.00	0.00	0.00
15,500.00	90.43	359.76	10,097.44	4,758.37	275.64	4,764.03	0.00	0.00	0.00
15,600.00	90.43	359.76	10,096.68	4,858.36	275.22	4,863.98	0.00	0.00	0.00
15,700.00	90.43	359.76	10,095.92	4,958.36	274.80	4,963.93	0.00	0.00	0.00
15,800.00	90.43	359.76	10,095.17	5,058.35	274.39	5,063.88	0.00	0.00	0.00
15,900.00	90.43	359.76	10,094.41	5,158.35	273.97	5,163.83	0.00	0.00	0.00
16,000.00	90.43	359.76	10,093.66	5,258.35	273.55	5,263.78	0.00	0.00	0.00
16,100.00	90.43	359.76	10,092.90	5,358.34	273.14	5,363.73	0.00	0.00	0.00
16,200.00	90.43	359.76	10,092.15	5,458.34	272.72	5,463.68	0.00	0.00	0.00
16,300.00	90.43	359.76	10,091.39	5,558.34	272.30	5,563.63	0.00	0.00	0.00
16,400.00	90.43	359.76	10,090.63	5,658.33	271.89	5,663.58	0.00	0.00	0.00
16,500.00	90.43	359.76	10,089.88	5,758.33	271.47	5,763.53	0.00	0.00	0.00
16,600.00	90.43	359.76	10,089.12	5,858.32	271.05	5,863.48	0.00	0.00	0.00
16,700.00	90.43	359.76	10,088.37	5,958.32	270.64	5,963.43	0.00	0.00	0.00
16,800.00	90.43	359.76	10,087.61	6,058.32	270.22	6,063.38	0.00	0.00	0.00
16,900.00	90.43	359.76	10,086.86	6,158.31	269.80	6,163.32	0.00	0.00	0.00
17,000.00	90.43	359.76	10,086.10	6,258.31	269.39	6,263.27	0.00	0.00	0.00
17,100.00	90.43	359.76	10,085.34	6,358.31	268.97	6,363.22	0.00	0.00	0.00
17,200.00	90.43	359.76	10,084.59	6,458.30	268.55	6,463.17	0.00	0.00	0.00
17,300.00	90.43	359.76	10,083.83	6,558.30	268.14	6,563.12	0.00	0.00	0.00
17,400.00	90.43	359.76	10,083.08	6,658.29	267.72	6,663.07	0.00	0.00	0.00
17,500.00	90.43	359.76	10,082.32	6,758.29	267.30	6,763.02	0.00	0.00	0.00
17,600.00	90.43	359.76	10,081.57	6,858.29	266.89	6,862.97	0.00	0.00	0.00
17,700.00	90.43	359.76	10,080.81	6,958.28	266.47	6,962.92	0.00	0.00	0.00
17,800.00	90.43	359.76	10,080.05	7,058.28	266.05	7,062.87	0.00	0.00	0.00
17,900.00	90.43	359.76	10,079.30	7,158.28	265.64	7,162.82	0.00	0.00	0.00
18,000.00	90.43	359.76	10,078.54	7,258.27	265.22	7,262.77	0.00	0.00	0.00
18,100.00	90.43	359.76	10,077.79	7,358.27	264.80	7,362.72	0.00	0.00	0.00
18,200.00	90.43	359.76	10,077.03	7,458.27	264.39	7,462.67	0.00	0.00	0.00
18,300.00	90.43	359.76	10,076.28	7,558.26	263.97	7,562.62	0.00	0.00	0.00
18,400.00	90.43	359.76	10,075.52	7,658.26	263.55	7,662.57	0.00	0.00	0.00
18,500.00	90.43	359.76	10,074.76	7,758.25	263.14	7,762.52	0.00	0.00	0.00

Oxy Planning Report

Database: HOPSPP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: Sunrise MDP1 8-5
Well: Sunrise MDP1 8-5 Federal Com 5H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well Sunrise MDP1 8-5 Federal Com 5H
TVD Reference: WELL @ 3569.30ft (Original Well Elev)
MD Reference: WELL @ 3569.30ft (Original Well Elev)
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)
18,600.00	90.43	359.76	10,074.01	7,858.25	262.72	7,862.46	0.00	0.00	0.00
18,700.00	90.43	359.76	10,073.25	7,958.25	262.30	7,962.41	0.00	0.00	0.00
18,800.00	90.43	359.76	10,072.50	8,058.24	261.89	8,062.36	0.00	0.00	0.00
18,900.00	90.43	359.76	10,071.74	8,158.24	261.47	8,162.31	0.00	0.00	0.00
19,000.00	90.43	359.76	10,070.99	8,258.24	261.05	8,262.26	0.00	0.00	0.00
19,100.00	90.43	359.76	10,070.23	8,358.23	260.64	8,362.21	0.00	0.00	0.00
19,200.00	90.43	359.76	10,069.47	8,458.23	260.22	8,462.16	0.00	0.00	0.00
19,300.00	90.43	359.76	10,068.72	8,558.22	259.80	8,562.11	0.00	0.00	0.00
19,400.00	90.43	359.76	10,067.96	8,658.22	259.39	8,662.06	0.00	0.00	0.00
19,500.00	90.43	359.76	10,067.21	8,758.22	258.97	8,762.01	0.00	0.00	0.00
19,600.00	90.43	359.76	10,066.45	8,858.21	258.55	8,861.96	0.00	0.00	0.00
19,700.00	90.43	359.76	10,065.70	8,958.21	258.14	8,961.91	0.00	0.00	0.00
19,800.00	90.43	359.76	10,064.94	9,058.21	257.72	9,061.86	0.00	0.00	0.00
19,900.00	90.43	359.76	10,064.18	9,158.20	257.31	9,161.81	0.00	0.00	0.00
20,000.00	90.43	359.76	10,063.43	9,258.20	256.89	9,261.76	0.00	0.00	0.00
20,100.00	90.43	359.76	10,062.67	9,358.19	256.47	9,361.71	0.00	0.00	0.00
20,200.00	90.43	359.76	10,061.92	9,458.19	256.06	9,461.66	0.00	0.00	0.00
20,300.00	90.43	359.76	10,061.16	9,558.19	255.64	9,561.61	0.00	0.00	0.00
20,303.09	90.43	359.76	10,061.00	9,561.28	255.63	9,564.69	0.00	0.00	0.00

TD at 20303.09

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Sunrise_8-5_5H_KOP	0.00	0.00	9,562.00	-781.73	298.72	445,908.99	707,690.10	32° 13' 29.047467 N	103° 47' 43.362681 W
- plan hits target center									
- Point									
Sunrise_8-5_5H_BHL	0.00	0.00	10,061.00	9,561.28	255.63	456,251.36	707,647.01	32° 15' 11.393600 N	103° 47' 43.261224 W
- plan hits target center									
- Point									

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
699.00	699.00	Rustler			
1,059.00	1,059.00	Salado			
2,839.00	2,839.00	Castile			
4,401.01	4,401.00	Delaware			
4,428.03	4,428.00	Bell Canyon			
5,196.33	5,188.00	Cherry Canyon			
6,578.33	6,549.00	Brushy Canyon			
8,290.34	8,235.00	1st Bone Spring			
9,597.67	9,527.00	2nd Bone Spring			

Oxy

Planning Report

Database: HOPSPP
Company: ENGINEERING DESIGNS
Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
Site: Sunrise MDP1 8-5
Well: Sunrise MDP1 8-5 Federal Com 5H
Wellbore: WB00
Design: Permitting Plan

Local Co-ordinate Reference: Well Sunrise MDP1 8-5 Federal Com 5H
TVD Reference: WELL @ 3569.30ft (Original Well Elev)
MD Reference: WELL @ 3569.30ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
4,315.00	4,315.00	0.00	0.00	Start Build 2.00
4,815.04	4,812.50	-40.66	15.54	Hold 10° Tangent
9,132.64	9,064.50	-741.07	283.18	Start Drop -2.00
9,632.67	9,562.00	-781.73	298.72	Start Build 10.00
10,537.00	10,134.94	-204.45	296.31	Landing Point
20,303.09	10,061.00	9,561.28	255.63	TD at 20303.09



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

June 28, 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.
Sunrise MDP1 8-5 Federal #2H
W/2 W/2 Section 8, W/2 W/2 Section 5, T24S-R31E, 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

SENDER: COMPLETE THIS SECTION ■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: United States Dept of Interior Bureau of Land Management 620 E. Greene Street Carlsbad, NM 88220 9590 9402 3094 7124 9701 49 2. Article Number (Transfer from service label) 7017 0190 0000 4588 0798 PS Form 3811, July 2015 PSN 7530-02-000-9053	COMPLETE THIS SECTION ON DELIVERY A. Signature X <i>[Signature]</i> ☐ Agent ☐ Addressee B. Received by (Printed Name) C. Date of Delivery 6/29/17 D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below: 3. Service Type ☐ Adult Signature ☐ Priority Mail Express® ☐ Adult Signature Restricted Delivery ☐ Registered Mail® ☐ Certified Mail® ☐ Registered Mail Restricted Delivery ☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Collect on Delivery ☐ Signature Confirmation® ☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery Domestic Return Receipt	SENDER: COMPLETE THIS SECTION ■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: New Mexico Oil Conservation Division 811 S. First St. Artesia, NM 88210 9590 9402 3094 7124 9701 63 2. Article Number (Transfer from service label) 7017 0190 0000 4588 0781 PS Form 3811, July 2015 PSN 7530-02-000-9053	COMPLETE THIS SECTION ON DELIVERY A. Signature X <i>[Signature]</i> ☐ Agent ☐ Addressee B. Received by (Printed Name) C. Date of Delivery 6/29/17 D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below: 3. Service Type ☐ Adult Signature ☐ Priority Mail Express® ☐ Adult Signature Restricted Delivery ☐ Registered Mail® ☐ Certified Mail® ☐ Registered Mail Restricted Delivery ☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Collect on Delivery ☐ Signature Confirmation® ☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery Domestic Return Receipt
--	--	--	--

SENDER: COMPLETE THIS SECTION ■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Devon Energy Production Company, L.P. 333 W. Sheridan Avenue Oklahoma City, Oklahoma 73102-5010 9590 9402 3094 7124 9701 25 2. Article Number (Transfer from service label) 7017 0190 0000 4588 0972 PS Form 3811, July 2015 PSN 7530-02-000-9053	COMPLETE THIS SECTION ON DELIVERY A. Signature X <i>[Signature]</i> ☐ Agent ☐ Addressee B. Received by (Printed Name) C. Date of Delivery 7-3-17 D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below: 3. Service Type ☐ Adult Signature ☐ Priority Mail Express® ☐ Adult Signature Restricted Delivery ☐ Registered Mail® ☐ Certified Mail® ☐ Registered Mail Restricted Delivery ☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Collect on Delivery ☐ Signature Confirmation® ☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery Domestic Return Receipt	SENDER: COMPLETE THIS SECTION ■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Chevron USA Inc. 6301 Deauville Midland, TX 79706-2964 9590 9402 3094 7124 9703 09 2. Article Number (Transfer from service label) 7017 0190 0000 4588 0842 PS Form 3811, July 2015 PSN 7530-02-000-9053	COMPLETE THIS SECTION ON DELIVERY A. Signature X <i>[Signature]</i> ☐ Agent ☐ Addressee B. Received by (Printed Name) C. Date of Delivery 6/29/17 D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below: 3. Service Type ☐ Adult Signature ☐ Priority Mail Express® ☐ Adult Signature Restricted Delivery ☐ Registered Mail® ☐ Certified Mail® ☐ Registered Mail Restricted Delivery ☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Collect on Delivery ☐ Signature Confirmation® ☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery Domestic Return Receipt
---	---	---	--

SENDER: COMPLETE THIS SECTION ■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: ConocoPhillips Company 3401 E. 30th Street Farmington, NM 87402 9590 9402 3094 7124 9700 26 2. Article Number (Transfer from service label) 7017 0190 0000 4588 0873 PS Form 3811, July 2015 PSN 7530-02-000-9053	COMPLETE THIS SECTION ON DELIVERY A. Signature X <i>[Signature]</i> ☐ Agent ☐ Addressee B. Received by (Printed Name) C. Date of Delivery 7-3-17 D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below: 3. Service Type ☐ Adult Signature ☐ Priority Mail Express® ☐ Adult Signature Restricted Delivery ☐ Registered Mail® ☐ Certified Mail® ☐ Registered Mail Restricted Delivery ☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Collect on Delivery ☐ Signature Confirmation® ☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery Domestic Return Receipt	SENDER: COMPLETE THIS SECTION ■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: EOG M Resources, Inc. 105 S. 4th Street Artesia, NM 88210-2177 9590 9402 3094 7124 9702 86 2. Article Number (Transfer from service label) 7017 0190 0000 4588 0828 PS Form 3811, July 2015 PSN 7530-02-000-9053	COMPLETE THIS SECTION ON DELIVERY A. Signature X <i>[Signature]</i> ☐ Agent ☐ Addressee B. Received by (Printed Name) C. Date of Delivery 7-3-17 D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below: 3. Service Type ☐ Adult Signature ☐ Priority Mail Express® ☐ Adult Signature Restricted Delivery ☐ Registered Mail® ☐ Certified Mail® ☐ Registered Mail Restricted Delivery ☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Collect on Delivery ☐ Signature Confirmation® ☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery Domestic Return Receipt
--	---	---	---

SENDER: COMPLETE THIS SECTION ■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: Hayes Properties, Inc. 500 W. Texas Avenue Midland, TX 79701 9590 9402 3094 7124 9702 62 2. Article Number (Transfer from service label) 7017 0190 0000 4588 0804 PS Form 3811, July 2015 PSN 7530-02-000-9053	COMPLETE THIS SECTION ON DELIVERY A. Signature X <i>[Signature]</i> ☐ Agent ☐ Addressee B. Received by (Printed Name) C. Date of Delivery 6/29/17 D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below: 3. Service Type ☐ Adult Signature ☐ Priority Mail Express® ☐ Adult Signature Restricted Delivery ☐ Registered Mail® ☐ Certified Mail® ☐ Registered Mail Restricted Delivery ☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Collect on Delivery ☐ Signature Confirmation® ☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery Domestic Return Receipt	SENDER: COMPLETE THIS SECTION ■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 1. Article Addressed to: EOG Y Resources, Inc. 105 S. 4th Street Artesia, NM 88210-2177 9590 9402 3094 7124 9702 93 2. Article Number (Transfer from service label) 7017 0190 0000 4588 0835 PS Form 3811, July 2015 PSN 7530-02-000-9053	COMPLETE THIS SECTION ON DELIVERY A. Signature X <i>[Signature]</i> ☐ Agent ☐ Addressee B. Received by (Printed Name) C. Date of Delivery 6/29/17 D. Is delivery address different from item 1? ☐ Yes ☐ No If YES, enter delivery address below: 3. Service Type ☐ Adult Signature ☐ Priority Mail Express® ☐ Adult Signature Restricted Delivery ☐ Registered Mail® ☐ Certified Mail® ☐ Registered Mail Restricted Delivery ☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandise ☐ Collect on Delivery ☐ Signature Confirmation® ☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery Domestic Return Receipt
---	--	---	--

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

McCombs Energy, Ltd.
750 E. Mulberry Avenue, Suite 403
San Antonio, TX 78212

9590 9402 3094 7124 9700 19

2. Article Number (Transfer from service label)

7017 0190 0000 4588 0866

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

7-5-17

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery over \$500
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

EOG A Resources, Inc.
105 S. 4th Street
Artesia, NM 88210-2177

9590 9402 3094 7124 9702 79

2. Article Number (Transfer from service label)

7017 0190 0000 4588 0811

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

6/30/17

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery over \$500
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702

2. Article Number
(Transfer from service label)

7017 0190 0000 4588 1030

PS Form 3811, July 2013

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

7-5-17

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Certified Mail®
- ☐ Registered
- ☐ Insured Mail
- ☐ Priority Mail Express™
- ☐ Return Receipt for Merchandise
- ☐ Collect on Delivery

4. Restricted Delivery? (Extra Fee)

☐ Yes

Lowe, Leonard, EMNRD

From: Lowe, Leonard, EMNRD
Sent: Tuesday, July 11, 2017 2:35 PM
To: Sarah_Mitchell@oxy.com
Cc: Jones, William V, EMNRD
Subject: NSL applications < 100 feet (Sunrise MDP1 8-5 Federal No. 2H & 5H)

Importance: High

Ms. Sarah Mitchell,

Good afternoon,

Re: NSL application 1: Sunrise MDP1 8-5 Federal No. 2H
NSL application 2: Sunrise MDP1 8-5 Federal No. 5H

Your NSL applications were received at the Santa Fe OCD office on June 30th, 2017.

Your area of encroachment are less than 100 feet.

Please provide the following additional information.

1. Return receipts are required from all parties affected. Once received on your end, you may submit them to me via e-mail. Please submit the returned receipts only and a statement in the e-mail or letter indicating that its additional information to an in process NSL application. **DO NOT SUBMIT THE ENTIRE APPLICATION AGAIN!** Redundant information may slow down your application process.

If you have any questions please feel free to contact me.

Thank you,

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/oed/>