

RECEIVED: 7-13-2017	REVIEWER: LRL	TYPE: NSL	APP NO: OKSC 1719538570
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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

**NSL-7561****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: Patton MDP1 18 Federal #33H **API:** 30-015-~~pending~~ 44338
Pool: Cotton Draw; Bone Spring **Pool Code:** 13367

**SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION
 INDICATED BELOW**

- 1) **TYPE OF APPLICATION:** Check those which apply for (A)
- A. Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD
- B. Check one only for (I) or (II)
- (I) Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- (II) Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

2) **NOTIFICATION REQUIRED TO:** Check those which apply.

- A. ☒ Offset operators or lease holders or working interest owners
 B. ☐ Royalty, overriding royalty owners, revenue owners
 C. ☐ Application requires published notice
 D. ☐ Notification and/or concurrent approval by SLO
 E. ☒ Notification and/or concurrent approval by BLM
 F. ☐ Surface owner
 G. ☐ For all of the above, proof of notification or publication is attached, and/or.
 H. ☐ No notice required

FOR OCD ONLY	
☒	Notice Complete
☒	Application Content Complete

- 3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Sarah Mitchell

Print or Type Name

Signature

7/11/2017

Date

432-699-4318

Phone Number

sarah_mitchell@oxy.com

e-mail Address



OXY USA Inc

PO Box 50250
Midland, TX 79710-0250

July 11, 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 -
Patton MDP1 18 Federal #33H - Cotton Draw; Bone Spring
Surface - 335 FNL 2062 FEL Ut B Sec 18 T24S R31E
Top Perforation - 340 FNL 1385 FEL Ut B Sec 18 T24S R31E
Bottom Perforation - 340 FSL 1385 FEL UT O Sec 18 T24S R31E
Bottom Hole - 180 FSL 1385 FEL Ut O Sec 18 T24S R31E
Eddy County, New Mexico*

Dear Mr. Lowe:

OXY USA Inc. respectfully requests administrative approval of a non-standard location on the Patton MDP1 18 Federal #33H well, API Number-30-015-Pending, Property Code Pending. The #33H 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 - 335 FNL 2062 FEL Ut B Sec 18 T24S R31E
Top Perforation - 340 FNL 1385 FEL Ut B Sec 18 T24S R31E
Bottom Perforation - 340 FSL 1385 FEL UT O Sec 18 T24S R31E
Bottom Hole - 180 FSL 1385 FEL Ut O Sec 18 T24S R31E

The adjoining spacing units are located in T24S R31E, Section 7-Units N, O, P; Section 18 - Units A, C, F, H, I, K, O, P; Section 19- Units A, B, C.

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-Carlshad, Service List



OXY USA Inc.

PO Box 50250
Midland, TX 79710-0250

July 11, 2017

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

**Re: Application for Administrative Approval of Non-Standard Location –
 Patton MDP1 18 Federal #33H – Cotton Draw; Bone Spring
 Surface – 335 FNL 2062 FEL Ut B Sec 18 T24S R31E
 Top Perforation – 340 FNL 1385 FEL Ut B Sec 18 T24S R31E
 Bottom Perforation – 340 FSL 1385 FEL Ut O Sec 18 T24S R31E
 Bottom Hole – 180 FSL 1385 FEL Ut O Sec 18 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 – 335 FNL 2062 FEL Ut B Sec 18 T24S R31E
Top Perforation – 340 FNL 1385 FEL Ut B Sec 18 T24S R31E
Bottom Perforation – 340 FSL 1385 FEL Ut O T24S-R31E
Bottom Hole – 180 FSL 1385 FEL Ut O T24S-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

1a. Type of work: ☒ DRILL ☐ REENTER		5. Lease Serial No. NMNM89819
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. PATTON MDP1 18 FEDERAL 33H
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 NWNE / 335 FNL / 2062 FEL / LAT 32.236716 / LONG -103.8150592 At proposed prod. zone SWSE / 180 FSL / 1385 FEL / LAT 32.2105622 / LONG -103.812875		10. Field and Pool, or Exploratory COTTON DRAW BONE SPRING / 1ST E
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 18 / T24S / R31E / NMP
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 50 feet	16. No. of acres in lease 647.88	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 9190 feet / 14072 feet	20. BLM/BIA Bond No. on file FED: ESB000226
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3533 feet	22. Approximate date work will start* 07/16/2017	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. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

25. Signature (Electronic Submission)	Name (Printed/Typed) David Stewart / Ph: (713)366-5716	Date 02/09/2017
Title Sr. Regulatory Advisor		
Approved by (Signature)	Name (Printed/Typed)	Date
Title Office CARLSBAD		

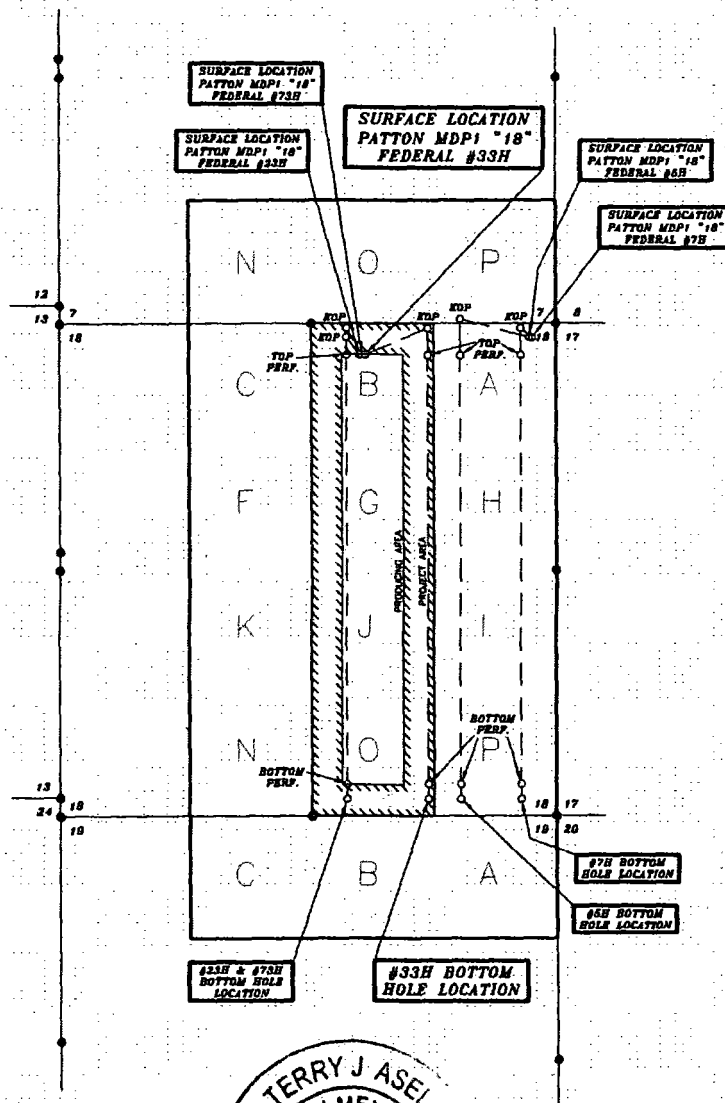
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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.
 PATTON MDP1 "18" FEDERAL #33H
 SECTIONS 7, 18 & 19, TOWNSHIP 24 SOUTH,
 RANGE 31 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO



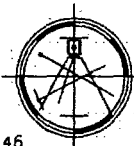
SURVEYORS CERTIFICATE

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

Terry J. Asel 7/7/2017
 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



2000' 0 2000' 4000' FEET
 SCALE: 1"=2000'

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720
District II
911 E. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-0720
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) 476-3460 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 PATTON MDPI "18" FEDERAL	Well Number 33H
OGRID No. 16664	Operator Name OXY USA INC.	Elevation 3533.2'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	18	24 SOUTH	31 EAST, N.M.P.M.		335'	NORTH	2062'	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
0	18	24 SOUTH	31 EAST, N.M.P.M.		180'	SOUTH	1385'	EAST	EDDY

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

SURFACE LOCATION NEW MEXICO EAST NAD 1983 Y=445492.06 US FT X=701606.01 US FT LAT.: N 32.2236716° LONG.: W 103.8150592° KICK OFF POINT NEW MEXICO EAST NAD 1983 Y=445780.35 US FT X=702281.81 US FT LAT.: N 32.2244550° LONG.: W 103.8128694° TOP PERF. NEW MEXICO EAST NAD 1983 Y=445490.35 US FT X=702283.11 US FT LAT.: N 32.2236579° LONG.: W 103.8128697° BOTTOM PERF. NEW MEXICO EAST NAD 1983 Y=440886.32 US FT X=702303.81 US FT LAT.: N 32.2110020° LONG.: W 103.8128749° BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1983 Y=440726.32 US FT X=702304.53 US FT LAT.: N 32.2105622° LONG.: W 103.8128750°	GRID AZ = 66°33'51" 734.72' GRID AZ = 179°44'33" 5054.08' IN ALL GRID AZ = 179°44'33" 5054.08' IN ALL GRID AZ = 179°44'33" 5054.08' IN ALL	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. Authorized by the division Signature: <i>[Signature]</i> Date: 2/8/17 David Stewart Sr. Reg. Adm. Printed Name: David Stewart E-mail Address: David_Stewart@oxy.com SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from the following original surveys made by me or under my supervision and that the same is true and correct to the best of my belief. JERRY J. ASH 15079 DECEMBER 2, 2016 Date of Survey Signature and Seal of Professional Surveyor <i>[Signature]</i> 10/25/2016 Certificate Number: 15079 WO# 161007WL-a (NA)
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District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-8161 Fax: (505) 393-8720
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720
District III
1000 Rio Arriba Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87503
Phone: (505) 476-3460 Fax: (505) 476-3462

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
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☐ 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 PATTON MDP1 "18" FEDERAL	Well Number 23H
OGRID No. 16694	Operator Name OXY USA INC.	Elevation 3532.8'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	18	24 SOUTH	31 EAST, N.M.P.M.		335'	NORTH	2122'	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
0	18	24 SOUTH	31 EAST, N.M.P.M.		180'	SOUTH	2261'	EAST	EDDY

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

	KICK OFF POINT NEW MEXICO EAST NAD 1983 Y=445675.98 US FT X=701406.27 US FT LAT: N 32.2241797° LONG: W 103.8157022°	GRID AZ = 322°48'54" 231.21°	GRID AZ = 179°44'33" 4953.91° IN ALL	PRODUCING AREA PROJECT AREA	TOP PERF. NEW MEXICO EAST NAD 1983 Y=445485.96 US FT X=701407.13 US FT LAT: N 32.2236574° LONG: W 103.8157024°	SURFACE LOCATION NEW MEXICO EAST NAD 1983 Y=445491.76 US FT X=701546.01 US FT LAT: N 32.2236715° LONG: W 103.8152537°	BOTTOM PERF. NEW MEXICO EAST NAD 1983 Y=440982.10 US FT X=701427.82 US FT LAT: N 32.2110021° LONG: W 103.8157072°	BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1983 Y=440722.11 US FT X=701428.54 US FT LAT: N 32.2105623° LONG: W 103.8157074°	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization neither owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or is a voluntary pooling agreement or a compulsory pooling order. Authorized by the division Signature: <u>David Stewart</u> Date: <u>2/8/17</u> Printed Name: <u>David Stewart Sr. Reg. A.L.U.</u> E-mail Address: <u>David.Stewart@oxy.com</u>
	SURVEYOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization neither owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or is a voluntary pooling agreement or a compulsory pooling order. Signature: <u>ERRY J ASE</u> Date: <u>SEPTEMBER 28, 2016</u> Printed Name: <u>ERRY J ASE</u> E-mail Address: <u>ERRY.J.ASE@NMED.NM.GOV</u>								
	DATE OF SURVEY: <u>10/24/2016</u>								
	SIGNATURE AND SEAL OF PROFESSIONAL LAND SURVEYOR: <u>ERRY J ASE</u>								
	CERTIFICATE NUMBER: <u>15079</u>								

WO# 160929WL-d (KA)

District I
 1023 N. French Dr., Hobbs, NM 87401
 Phone: (505) 783-4161 Fax: (505) 783-4170
 District II
 877 S. First St., Artesia, NM 88210
 Phone: (505) 748-1223 Fax: (505) 748-0720
 District III
 1830 Ray Station Road, Alamogordo, NM 87410
 Phone: (505) 834-4173 Fax: (505) 834-4170
 District IV
 1220 E. St. Francis Dr., Santa Fe, NM 87505
 Phone: (505) 436-1462 Fax: (505) 436-1462

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 Base Springs
Property Code	Property Name PATTON MDPI "18" FEDERAL	Well Number 73H
OGRIID No. 16696	Operator Name OXY USA INC.	Elevation 3533.3'

Surface Location

UT. or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County
B	18	24 SOUTH	31 EAST, N.M.P.M.		335'	NORTH	2092'	EAST	EDDY

Bottom Hole Location If Different From Surface

UT. or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County
0	18	24 SOUTH	31 EAST, N.M.P.M.		180'	SOUTH	2261'	EAST	EDDY

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

KICK OFF POINT NEW MEXICO EAST NAD 1983 Y=445775.06 US FT X=701405.87 US FT LAT: N 32.2244546° LONG: W 103.8157021° TOP PERF. NEW MEXICO EAST NAD 1983 Y=445489.06 US FT X=701405.12 US FT LAT: N 32.2236574° LONG: W 103.8157024° SURFACE LOCATION NEW MEXICO EAST NAD 1983 Y=445489.01 US FT X=701405.15 US FT LAT: N 32.2236571° LONG: W 103.8151562° BOTTOM PERF. NEW MEXICO EAST NAD 1983 Y=440722.11 US FT X=701428.54 US FT LAT: N 32.2110021° LONG: W 103.8157077° BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1983 Y=440722.11 US FT X=701428.54 US FT LAT: N 32.2105623° LONG: W 103.8157074° GRID AZ = 329°04'18" 331.13 GRID AZ = 179°44'39" 505.91° IN ALL PRODUCING AREA PROJECT AREA 330' 330' 330' 2261' 2092' 2261' 340' 180'	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that the organization under a working interest or undivided interest in the land including the proposed bottom hole location or has a right to drill this well at the location pursuant to a contract with or owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>David Stewart</i> 2/3/17 Signature Date David Stewart Sr. Reg Adm Printed Name david.stewart@oxy.com E-mail address SURVEYOR CERTIFICATION I hereby certify that the information contained on this plat was prepared by me or under my direct supervision and that the same is true and correct to the best of my knowledge. TERRY J. ASH 15079 SEPTEMBER 28, 2016 Date of Survey Signature and Title Professional Surveyor 15079 NO. 160829M1-C (NA)
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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) 748-1281 Fax: (505) 748-9720
District III
1000 Rio Grande Road, Aztec, NM 87410
Phone: (505) 334-4178 Fax: (505) 334-6170
District IV
1230 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3463

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-	Pool Code 13367	Pool Name Cotton Draw Bone Springs
Property Code	Property Name PATTON MDP1 "18" FEDERAL	Well Number 5H
OGRID No. 166516	Operator Name OXY USA INC.	Elevation 3523.8'

Surface Location

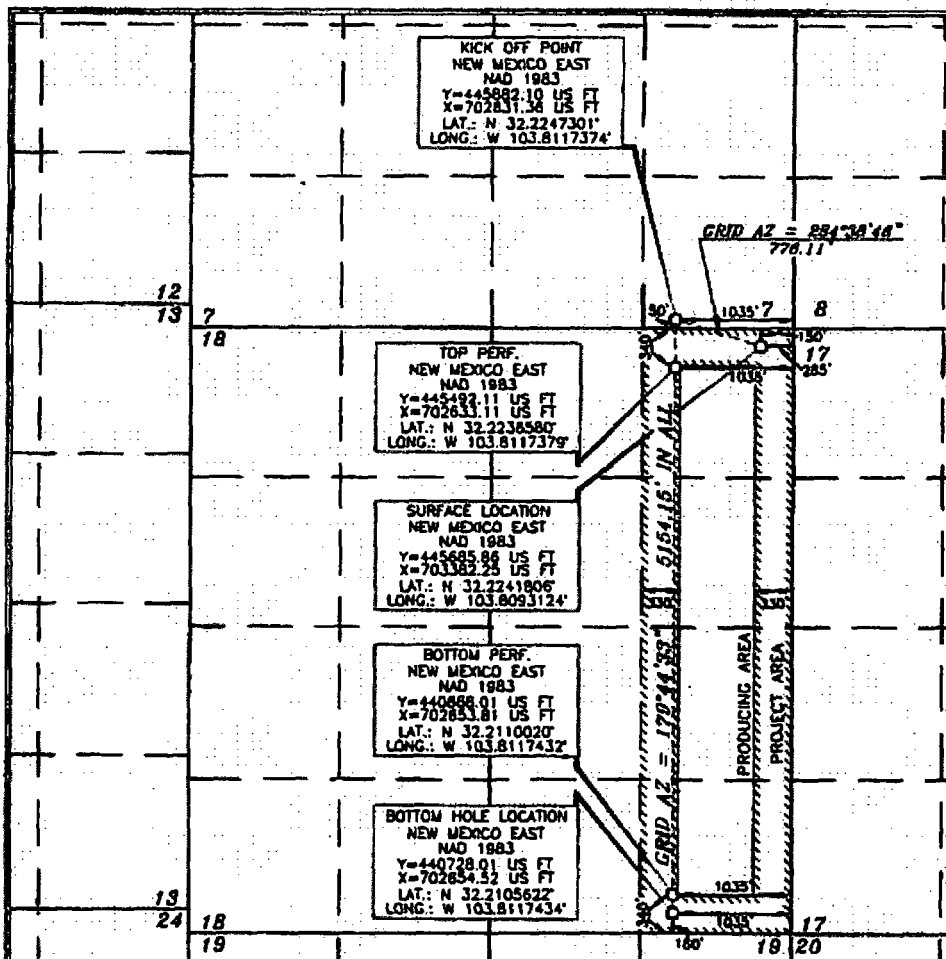
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	18	24 SOUTH	31 EAST, N.M.P.M.		150'	NORTH	285'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	18	24 SOUTH	31 EAST, N.M.P.M.		180'	SOUTH	1035'	EAST	EDDY

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



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *David Stewart* Date: **12/5/16**
Printed Name: **David Stewart SR. P&AD**
E-mail Address: **David_Stewart@oxy.com**

SURVEYOR CERTIFICATION

I hereby certify that the information contained herein on this plat was prepared by a duly licensed professional surveyor made by me or under my supervision and that the same is true and correct to the best of my belief.

Date of Survey: **NOV 9 2016**
Signature and Seal: *ERRY J. AS*
Professional Surveyor: **15079**
Certificate Number: **15079**

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-6720
District II
871 S. First St., Lordsburg, NM 88420
Phone: (575) 748-1201 Fax: (575) 748-6720
District III
1000 Rio Grande Road, Lordsburg, NM 87410
Phone: (505) 234-6178 Fax: (505) 234-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3463

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-	Pool Code 13367	Pool Name Cottonwood Bone Spring
Property Code	Property Name PATTON MDP1 "18" FEDERAL	Well Number 7H
OGRID No. 16694	Operator Name OXY USA INC.	Elevation 3524.1'

Surface Location

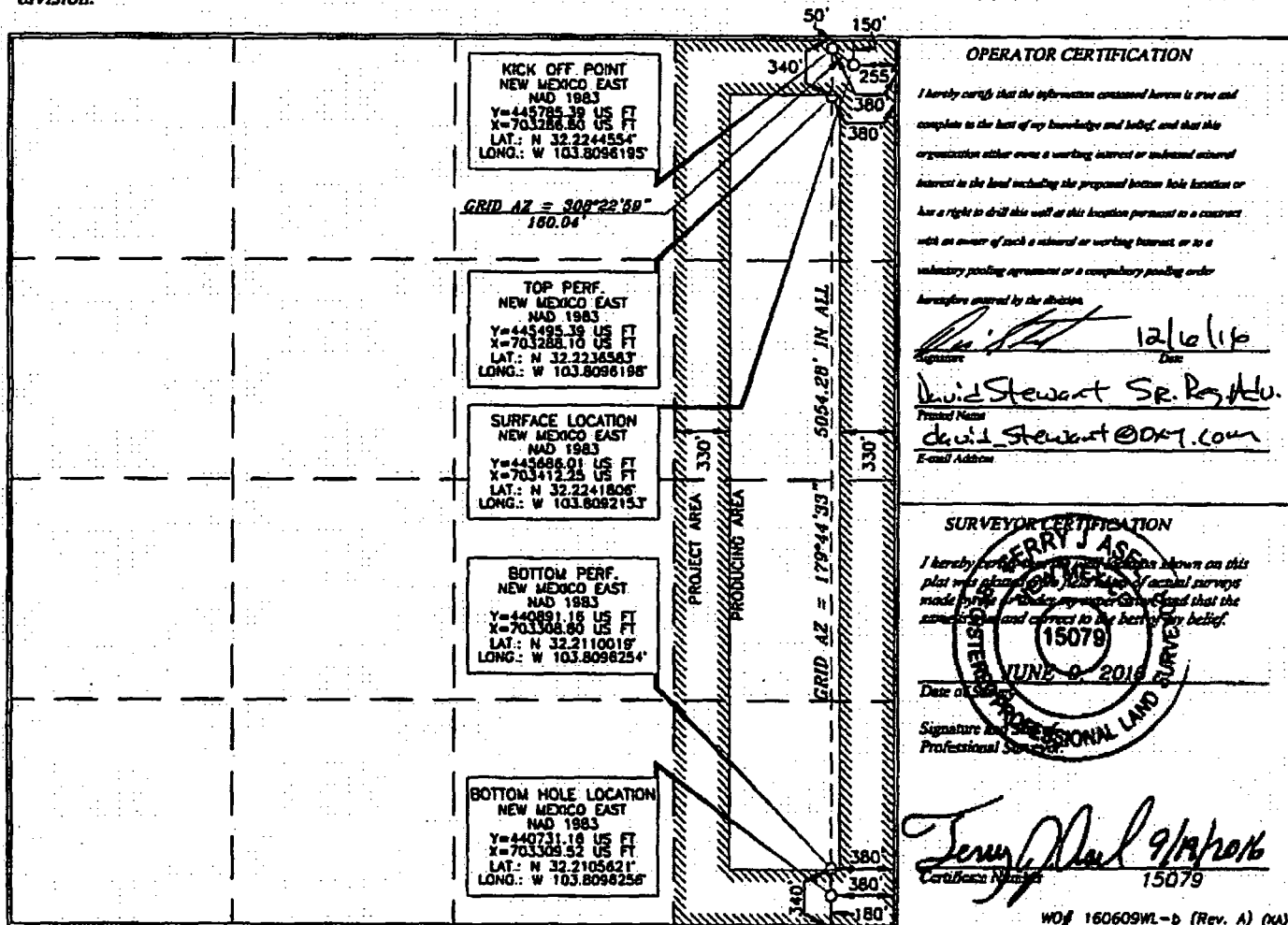
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	18	24 SOUTH	31 EAST, N.M.P.M.		150'	NORTH	255'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	18	24 SOUTH	31 EAST, N.M.P.M.		180'	SOUTH	380'	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.



Application Non-Standard Location - Service List
OXY USA Inc.
Patton MDP1 18 Federal #33H

1

New Mexico Oil Conservation Division
811 S. First St.
Artesia, NM 88210
7017 0190 0000 4588 0910

New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
7017 0190 0000 4588 0927

United States Dept of Interior ✓
Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220
7017 0190 0000 4588 0934

T24S R31E
Section 7 - Units N, O, P

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

Section 18- Units A, B, C, F, G, H, I, J, ✓
K, N, O, P

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

McCombs Energy, Ltd. - 20% WI ✓
750 E. Mulberry Avenue, Suite 403
San Antonio, TX 78212
7017 0190 0000 4589 1428

Section 19- Units A, B, C

CTV OG NM LLC -25% Lessee*
201 Main Street, Suite 2700
Fort Worth, Texas 76102
*Per BLM SRP; WI percentage unknown
7017 0190 0000 4589 1435

Keystone OG NM LLC- 18.75% Lessee*
201 Main Street, Suite 2700
Fort Worth, TX 76102
*Per BLM SRP; WI percentage unknown
7017 0190 0000 4589 1442

LMBI OG NM LLC- 18.75% Lessee*
201 Main Street, Suite 2700
Fort Worth, TX 76102
*Per BLM SRP; WI percentage unknown
7017 0190 0000 4589 1459

SRBI OG NM LLC- 18.75% Lessee*
201 Main Street, Suite 2700
Fort Worth, Texas 76102
*Per BLM SRP; WI percentage unknown
7017 0190 0000 4589 1466

Thru Line OG NM LLC- 18.75% Lessee*
201 Main Street, Suite 2700
Fort Worth, Texas 76102
*Per BLM SRP; WI percentage unknown
7017 0190 0000 4589 1473

Chevron USA Inc.- Operating Interes
6301 Deauville Boulevard
Midland, Texas 79706-2964
*Per BLM SRP; WI percentage unknown
7017 0190 0000 4588 0859

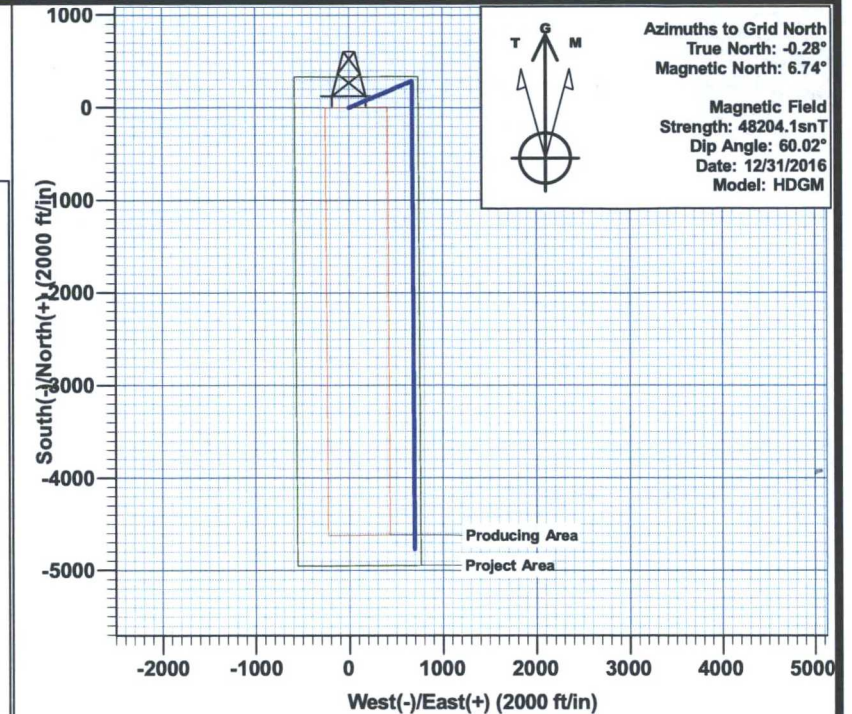
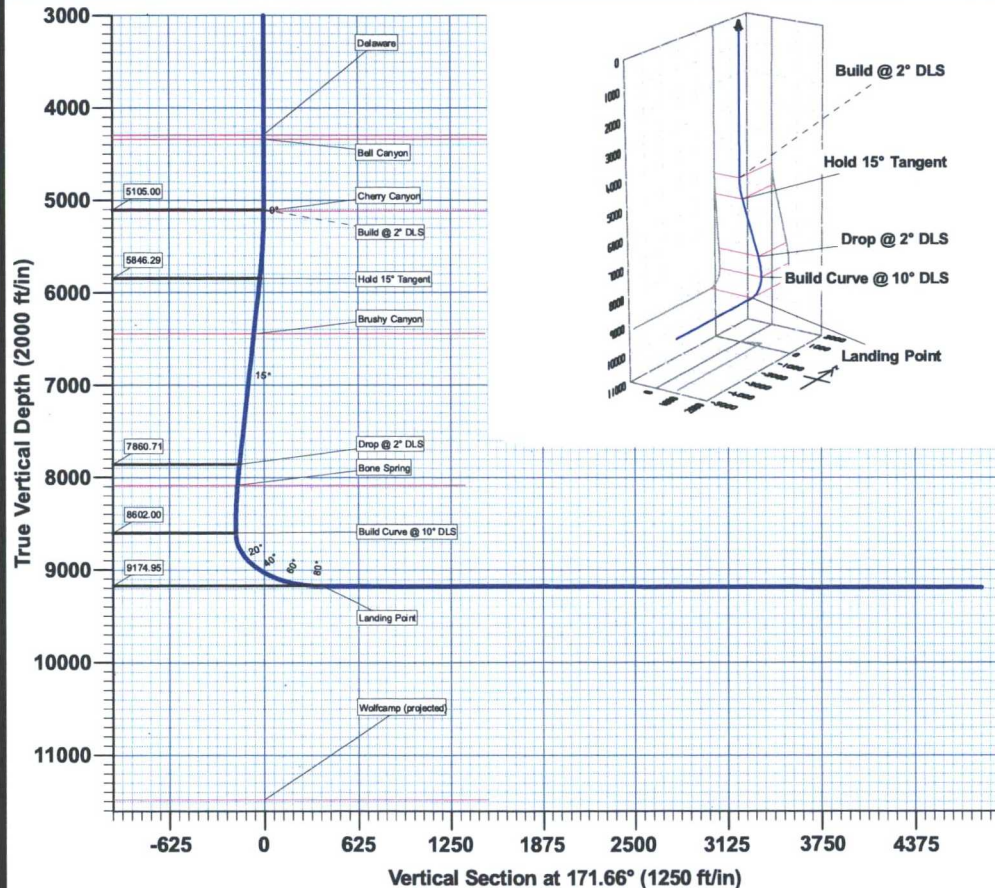
Copies of this application were mailed to the following individuals, companies and organizations on or before
11-Jul-2017



Sarah Mitchell
OXY USA Inc.



Project: PRD NM DIRECTIONAL PLANS (NAD 1983)
 Site: Patton MDP1 18 Federal
 Well: Patton MDP1 18 Federal 33H
 Wellbore: WB00
 Design: Permitting Plan



WELL DETAILS: Patton MDP1 18 Federal 33H

Ground Level: 3533.20
 Northing: 445492.06 Easting: 701606.01 Latitude: 32° 13' 25.217597 N Longitude: 103° 48' 54.213083 W

PROJECT DETAILS: PRD NM DIRECTIONAL PLANS (NAD 1983)

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	5105.00	0.00	0.00	5105.00	0.00	0.00	0.00	0.00	0.00		Build @ 2° DLS
3	5854.83	15.00	66.90	5846.29	38.28	89.75	2.00	66.90	-24.87		Hold 15° Tangent
4	7940.27	15.00	66.90	7860.71	250.02	586.10	0.00	0.00	-162.40		Drop @ 2° DLS
5	8690.09	0.00	179.74	8602.00	288.31	675.84	2.00	180.00	-187.26		Build Curve @ 10° DLS
6	9588.19	89.81	179.74	9174.95	-282.74	678.41	10.00	179.74	378.13		Landing Point
7	14071.56	89.81	179.74	9190.00	-4766.04	698.56	0.00	180.00	4816.97	Patton_MDP1_18_33H_BHL	TD at 14071.56

Oxy Planning Report

Database:	HOPSPP	Local Co-ordinate Reference:	Well Patton MDP1 18 Federal 33H
Company:	ENGINEERING DESIGNS	TVD Reference:	WELL @ 3559.70ft (Original Well Elev)
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	WELL @ 3559.70ft (Original Well Elev)
Site:	Patton MDP1 18 Federal	North Reference:	Grid
Well:	Patton MDP1 18 Federal 33H	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	Patton MDP1 18 Federal		
Site Position:		Northing:	446,423.55 usft
From:	Map	Easting:	699,033.75 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in
		Latitude:	32° 13' 34.557107 N
		Longitude:	103° 49' 24.105891 W
		Grid Convergence:	0.27 °

Well	Patton MDP1 18 Federal 33H		
Well Position	+N/-S	-931.55 ft	Northing:
	+E/-W	2,572.43 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	3,533.20 ft
		Latitude:	32° 13' 25.217597 N
		Longitude:	103° 48' 54.213083 W
		Ground Level:	3,533.20 ft

Wellbore	WB00		
Magnetics	Model Name	Sample Date	Declination
	HDGM	12/31/2016	7.02
			Dip Angle
			60.02
			Field Strength
			48,204

Design	Permitting Plan		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			Direction
			171.66

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,105.00	0.00	0.00	5,105.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,854.83	15.00	66.90	5,846.29	38.28	89.75	2.00	2.00	0.00	66.90	
7,940.27	15.00	66.90	7,860.71	250.02	586.10	0.00	0.00	0.00	0.00	
8,690.09	0.00	179.74	8,602.00	288.31	675.84	2.00	-2.00	0.00	180.00	Patton_MDP1_18_33
9,588.19	89.81	179.74	9,174.95	-282.74	678.41	10.00	10.00	0.00	179.74	
14,071.56	89.81	179.74	9,190.00	-4,766.04	698.56	0.00	0.00	0.00	180.00	Patton_MDP1_18_33

Oxy Planning Report

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Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	WELL @ 3559.70ft (Original Well Elev)
Site:	Patton MDP1 18 Federal	North Reference:	Grid
Well:	Patton MDP1 18 Federal 33H	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
595.00	0.00	0.00	595.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
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
950.00	0.00	0.00	950.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado									
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
2,609.00	0.00	0.00	2,609.00	0.00	0.00	0.00	0.00	0.00	0.00
Castile									
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
4,295.00	0.00	0.00	4,295.00	0.00	0.00	0.00	0.00	0.00	0.00
Delaware									
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,342.00	0.00	0.00	4,342.00	0.00	0.00	0.00	0.00	0.00	0.00
Bell Canyon									

Oxy Planning Report

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Site:	Patton MDP1 18 Federal	North Reference:	Grid
Well:	Patton MDP1 18 Federal 33H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,105.00	0.00	0.00	5,105.00	0.00	0.00	0.00	0.00	0.00	0.00
Build @ 2° DLS									
5,123.00	0.36	66.90	5,123.00	0.02	0.05	-0.01	2.00	2.00	0.00
Cherry Canyon									
5,200.00	1.90	66.90	5,199.98	0.62	1.45	-0.40	2.00	2.00	0.00
5,300.00	3.90	66.90	5,299.85	2.60	6.10	-1.69	2.00	2.00	0.00
5,400.00	5.90	66.90	5,399.48	5.95	13.96	-3.87	2.00	2.00	0.00
5,500.00	7.90	66.90	5,498.75	10.67	25.01	-6.93	2.00	2.00	0.00
5,600.00	9.90	66.90	5,597.54	16.74	39.24	-10.87	2.00	2.00	0.00
5,700.00	11.90	66.90	5,695.73	24.16	56.63	-15.69	2.00	2.00	0.00
5,800.00	13.90	66.90	5,793.20	32.92	77.16	-21.38	2.00	2.00	0.00
5,854.83	15.00	66.90	5,846.29	38.28	89.75	-24.87	2.00	2.00	0.00
Hold 16° Tangent									
5,900.00	15.00	66.90	5,889.93	42.87	100.50	-27.85	0.00	0.00	0.00
6,000.00	15.00	66.90	5,986.52	53.02	124.30	-34.44	0.00	0.00	0.00
6,100.00	15.00	66.90	6,083.12	63.18	148.10	-41.04	0.00	0.00	0.00
6,200.00	15.00	66.90	6,179.71	73.33	171.90	-47.63	0.00	0.00	0.00
6,300.00	15.00	66.90	6,276.31	83.48	195.70	-54.22	0.00	0.00	0.00
6,400.00	15.00	66.90	6,372.90	93.64	219.50	-60.82	0.00	0.00	0.00
6,473.61	15.00	66.90	6,444.00	101.11	237.02	-65.67	0.00	0.00	0.00
Brushy Canyon									
6,500.00	15.00	66.90	6,469.49	103.79	243.30	-67.41	0.00	0.00	0.00
6,600.00	15.00	66.90	6,566.09	113.94	267.10	-74.01	0.00	0.00	0.00
6,700.00	15.00	66.90	6,662.68	124.10	290.90	-80.60	0.00	0.00	0.00
6,800.00	15.00	66.90	6,759.28	134.25	314.70	-87.20	0.00	0.00	0.00
6,900.00	15.00	66.90	6,855.87	144.40	338.51	-93.79	0.00	0.00	0.00
7,000.00	15.00	66.90	6,952.47	154.56	362.31	-100.39	0.00	0.00	0.00
7,100.00	15.00	66.90	7,049.06	164.71	386.11	-106.98	0.00	0.00	0.00
7,200.00	15.00	66.90	7,145.65	174.86	409.91	-113.58	0.00	0.00	0.00
7,300.00	15.00	66.90	7,242.25	185.02	433.71	-120.17	0.00	0.00	0.00
7,400.00	15.00	66.90	7,338.84	195.17	457.51	-126.77	0.00	0.00	0.00
7,500.00	15.00	66.90	7,435.44	205.32	481.31	-133.36	0.00	0.00	0.00
7,600.00	15.00	66.90	7,532.03	215.48	505.11	-139.96	0.00	0.00	0.00
7,700.00	15.00	66.90	7,628.62	225.63	528.91	-146.55	0.00	0.00	0.00
7,800.00	15.00	66.90	7,725.22	235.78	552.71	-153.15	0.00	0.00	0.00
7,900.00	15.00	66.90	7,821.81	245.94	576.51	-159.74	0.00	0.00	0.00
7,940.27	15.00	66.90	7,860.71	250.02	586.10	-162.40	0.00	0.00	0.00
Drop @ 2° DLS									
8,000.00	13.80	66.90	7,918.56	255.85	599.76	-166.18	2.00	-2.00	0.00
8,100.00	11.80	66.90	8,016.07	264.55	620.14	-171.83	2.00	-2.00	0.00
8,171.26	10.38	66.90	8,086.00	269.92	632.75	-175.32	2.00	-2.00	0.00
Bone Spring									
8,200.00	9.80	66.90	8,114.30	271.90	637.38	-176.60	2.00	-2.00	0.00
8,300.00	7.80	66.90	8,213.11	277.90	651.45	-180.50	2.00	-2.00	0.00
8,400.00	5.80	66.90	8,312.40	282.55	662.34	-183.52	2.00	-2.00	0.00

Oxy Planning Report

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Well:	Patton MDP1 18 Federal 33H	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)
8,500.00	3.80	66.90	8,412.05	285.83	670.04	-185.66	2.00	-2.00	0.00
8,600.00	1.80	66.90	8,511.92	287.75	674.54	-186.90	2.00	-2.00	0.00
8,690.09	0.00	179.74	8,602.00	288.31	675.84	-187.26	2.00	-2.00	0.00
Build Curve @ 10° DLS									
8,700.00	0.99	179.74	8,611.91	288.22	675.84	-187.18	10.00	10.00	0.00
8,800.00	10.99	179.74	8,711.24	277.80	675.89	-176.86	10.00	10.00	0.00
8,900.00	20.99	179.74	8,807.24	250.29	676.01	-149.62	10.00	10.00	0.00
9,000.00	30.99	179.74	8,897.02	206.52	678.21	-106.28	10.00	10.00	0.00
9,100.00	40.99	179.74	8,977.83	147.83	676.47	-48.18	10.00	10.00	0.00
9,200.00	50.99	179.74	9,047.21	76.00	676.80	22.94	10.00	10.00	0.00
9,300.00	60.99	179.74	9,103.08	-6.79	677.17	104.91	10.00	10.00	0.00
9,400.00	70.99	179.74	9,143.71	-98.02	677.58	195.24	10.00	10.00	0.00
9,500.00	80.99	179.74	9,167.89	-194.92	678.02	291.18	10.00	10.00	0.00
9,588.19	89.81	179.74	9,174.95	-282.74	678.41	378.13	10.00	10.00	0.00
Landing Point									
9,600.00	89.81	179.74	9,174.99	-294.55	678.46	389.82	0.00	0.00	0.00
9,700.00	89.81	179.74	9,175.33	-394.55	678.91	488.82	0.00	0.00	0.00
9,800.00	89.81	179.74	9,175.66	-494.55	679.36	587.83	0.00	0.00	0.00
9,900.00	89.81	179.74	9,175.99	-594.55	679.81	686.84	0.00	0.00	0.00
10,000.00	89.81	179.74	9,176.32	-694.55	680.26	785.85	0.00	0.00	0.00
10,100.00	89.81	179.74	9,176.65	-794.54	680.71	884.85	0.00	0.00	0.00
10,200.00	89.81	179.74	9,176.99	-894.54	681.16	983.86	0.00	0.00	0.00
10,300.00	89.81	179.74	9,177.32	-994.54	681.61	1,082.87	0.00	0.00	0.00
10,400.00	89.81	179.74	9,177.65	-1,094.54	682.06	1,181.87	0.00	0.00	0.00
10,500.00	89.81	179.74	9,177.99	-1,194.54	682.51	1,280.88	0.00	0.00	0.00
10,600.00	89.81	179.74	9,178.32	-1,294.54	682.96	1,379.89	0.00	0.00	0.00
10,700.00	89.81	179.74	9,178.65	-1,394.54	683.41	1,478.89	0.00	0.00	0.00
10,800.00	89.81	179.74	9,178.99	-1,494.53	683.86	1,577.90	0.00	0.00	0.00
10,900.00	89.81	179.74	9,179.32	-1,594.53	684.31	1,676.91	0.00	0.00	0.00
11,000.00	89.81	179.74	9,179.65	-1,694.53	684.76	1,775.91	0.00	0.00	0.00
11,100.00	89.81	179.74	9,179.99	-1,794.53	685.21	1,874.92	0.00	0.00	0.00
11,200.00	89.81	179.74	9,180.32	-1,894.53	685.66	1,973.93	0.00	0.00	0.00
11,300.00	89.81	179.74	9,180.66	-1,994.53	686.11	2,072.93	0.00	0.00	0.00
11,400.00	89.81	179.74	9,180.99	-2,094.52	686.55	2,171.94	0.00	0.00	0.00
11,500.00	89.81	179.74	9,181.33	-2,194.52	687.00	2,270.95	0.00	0.00	0.00
11,600.00	89.81	179.74	9,181.66	-2,294.52	687.45	2,369.95	0.00	0.00	0.00
11,700.00	89.81	179.74	9,182.00	-2,394.52	687.90	2,468.96	0.00	0.00	0.00
11,800.00	89.81	179.74	9,182.33	-2,494.52	688.35	2,567.97	0.00	0.00	0.00
11,900.00	89.81	179.74	9,182.67	-2,594.52	688.80	2,666.97	0.00	0.00	0.00
12,000.00	89.81	179.74	9,183.00	-2,694.52	689.25	2,765.98	0.00	0.00	0.00
12,100.00	89.81	179.74	9,183.34	-2,794.51	689.70	2,864.99	0.00	0.00	0.00
12,200.00	89.81	179.74	9,183.68	-2,894.51	690.15	2,963.99	0.00	0.00	0.00
12,300.00	89.81	179.74	9,184.01	-2,994.51	690.60	3,063.00	0.00	0.00	0.00
12,400.00	89.81	179.74	9,184.35	-3,094.51	691.05	3,162.01	0.00	0.00	0.00
12,500.00	89.81	179.74	9,184.69	-3,194.51	691.50	3,261.01	0.00	0.00	0.00
12,600.00	89.81	179.74	9,185.02	-3,294.51	691.95	3,360.02	0.00	0.00	0.00
12,700.00	89.81	179.74	9,185.36	-3,394.50	692.40	3,459.03	0.00	0.00	0.00
12,800.00	89.81	179.74	9,185.70	-3,494.50	692.85	3,558.03	0.00	0.00	0.00
12,900.00	89.81	179.74	9,186.03	-3,594.50	693.30	3,657.04	0.00	0.00	0.00
13,000.00	89.81	179.74	9,186.37	-3,694.50	693.75	3,756.05	0.00	0.00	0.00
13,100.00	89.81	179.74	9,186.71	-3,794.50	694.20	3,855.05	0.00	0.00	0.00
13,200.00	89.81	179.74	9,187.05	-3,894.50	694.65	3,954.06	0.00	0.00	0.00
13,300.00	89.81	179.74	9,187.39	-3,994.49	695.10	4,053.07	0.00	0.00	0.00
13,400.00	89.81	179.74	9,187.72	-4,094.49	695.55	4,152.08	0.00	0.00	0.00

Oxy Planning Report

Database:	HOPSP	Local Co-ordinate Reference:	Well Patton MDP1 18 Federal 33H
Company:	ENGINEERING DESIGNS	TVD Reference:	WELL @ 3559.70ft (Original Well Elev)
Project:	PRD NM DIRECTIONAL PLANS (NAD 1983)	MD Reference:	WELL @ 3559.70ft (Original Well Elev)
Site:	Patton MDP1 18 Federal	North Reference:	Grid
Well:	Patton MDP1 18 Federal 33H	Survey Calculation Method:	Minimum Curvature
Wellbore:	WB00		
Design:	Permitting Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
13,500.00	89.81	179.74	9,188.06	-4,194.49	696.00	4,251.08	0.00	0.00	0.00
13,600.00	89.81	179.74	9,188.40	-4,294.49	696.44	4,350.09	0.00	0.00	0.00
13,700.00	89.81	179.74	9,188.74	-4,394.49	696.89	4,449.10	0.00	0.00	0.00
13,800.00	89.81	179.74	9,189.08	-4,494.49	697.34	4,548.10	0.00	0.00	0.00
13,900.00	89.81	179.74	9,189.42	-4,594.49	697.79	4,647.11	0.00	0.00	0.00
14,000.00	89.81	179.74	9,189.76	-4,694.48	698.24	4,746.12	0.00	0.00	0.00
14,071.56	89.81	179.74	9,190.00	-4,766.04	698.56	4,816.97	0.00	0.00	0.00
TD at 14071.56									

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									
Patton_MDP1_18_33H_	0.00	0.00	8,602.00	288.31	675.84	445,780.35	702,281.81	32° 13' 28.038090 N	103° 48' 46.329690 W
- plan hits target center									
- Point									
Patton_MDP1_18_33H_	0.00	0.00	9,190.00	-4,766.04	698.56	440,726.32	702,304.53	32° 12' 38.024011 N	103° 48' 46.350139 W
- plan hits target center									
- Point									

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
595.00	595.00	Rustler			
950.00	950.00	Salado			
2,609.00	2,609.00	Castile			
4,295.00	4,295.00	Delaware			
4,342.00	4,342.00	Bell Canyon			
5,123.00	5,123.00	Cherry Canyon			
6,473.61	6,444.00	Brushy Canyon			
8,171.26	8,086.00	Bone Spring			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
5,105.00	5,105.00	0.00	0.00	Build @ 2° DLS
5,854.83	5,846.29	38.28	89.75	Hold 15° Tangent
7,940.27	7,860.71	250.02	586.10	Drop @ 2° DLS
8,690.09	8,602.00	288.31	675.84	Build Curve @ 10° DLS
9,588.19	9,174.95	-282.74	678.41	Landing Point
14,071.56	9,190.00	-4,766.04	698.56	TD at 14071.56



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

July 10, 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.
Patton MDP1 18 Federal #33H
W/2 E/2 Section 18, 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", written over a horizontal line.

Kacie Cruz
Development Production Engineer