

RECEIVED: 12/13/18	REVIEWER: LRL	TYPE: NSL	APP NO: pLEL1834743790
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

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

**ADMINISTRATIVE APPLICATION CHECKLIST**

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

Applicant: OXY USA INC. **OGRID Number:** 16696
Well Name: HEIGHT CC 6 7 FEDERAL COM 35H **API:** 30-015-
Pool: PURPLE SAGE WOLFCAMP **Pool Code:** 98 220

**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
 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.

LESLIE T. REEVES

Print or Type Name

Signature

12/12/2018

Date

(713) 497-2492

Phone Number

LESLIE_REEVES@OXY.COM

e-mail Address



OXY USA Inc

5 Greenway Plaza, Suite 110
Houston, TX 77046-0521

January 8, 2019

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

Attention: Leonard Lowe

Re: *AMENDED Application for Administrative Approval of Non-Standard Location
Height CC 6_7 Federal Com 35H – Purple Sage Wolfcamp
Surface – 65' FNL 1041' FEL Unit A Sec 6 T24S R29E
First Take Point – 100' FNL 1380' FEL Unit B Sec 6 T24S R29E
Last Take Point – 330' FSL 1380' FEL Unit O Sec 7 T24S R29E
Bottom Hole – 24' FSL 1380' FEL Unit O Sec 7 T24S R29E
Eddy County, New Mexico*

Dear Mr. Lowe:

OXY USA Inc. respectfully requests administrative approval of a non-standard location on the Height CC 6_7 Federal Com 35H well, API Number-30-015-pending, Property Code pending. The #35H well is proposed to be completed in the Purple Sage Wolfcamp pool, Pool Code 98220 which has special pool rules specifying the completed interval must be located 330 feet from the exterior boundary of the applicable spacing unit. The proposed completed interval is projected as follows:

Surface – 65' FNL 1041' FEL Unit A Sec 6 T24S R29E
First Take Point – 100' FNL 1380' FEL Unit B Sec 6 T24S R29E
Last Take Point – 330' FSL 1380' FEL Unit O Sec 7 T24S R29E
Bottom Hole – 24' FSL 1380' FEL Unit O Sec 7 T24S R29E

The adjoining units towards which the unorthodox location encroaches are located in T23S R29E, Section 31- Units O and P.

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

To support this request, the following information has been previously 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 in each adjoining spacing unit in the same pool or formation located closer to the unorthodox well location than the minimum distance prescribed by applicable rule or order, 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 713-497-2492.

Sincerely,



Leslie T. Reeves
Regulatory Advisor



OXY USA Inc

5 Greenway Plaza, Suite 110
Houston, TX 77046-0521

AMENDED 01/08/19

December 12, 2018

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Re: *Application for Administrative Approval of Non-Standard Location*
Height CC 6_7 Federal Com 35H – Purple Sage Wolfcamp
Surface – 65' FNL 1041' FEL Unit A Sec 6 T24S R29E
First Take Point – 100' FNL 1380' FEL Unit B Sec 6 T24S R29E
330' Last Take Point – ~~100'~~ FSL 1380' FEL Unit O Sec 7 T24S R29E
Bottom Hole – 24' FSL 1380' FEL Unit O Sec 7 T24S R29E
Eddy County, New Mexico

To Whom it May Concern:

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 19.15.4.12(A)(2)(a), 19.15.15.9(A) and 19.15.16.15(B). The well is located as follows:

Surface – 65' FNL 1041' FEL Unit A Sec 6 T24S R29E
First Take Point – 100' FNL 1380' FEL Unit B Sec 6 T24S R29E
330' Last Take Point – ~~100'~~ FSL 1380' FEL Unit O Sec 7 T24S R29E
Bottom Hole – 24' FSL 1380' FEL Unit O Sec 7 T24S R29E

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 Jeremy Murphrey at 713-350-4816 or myself at 713-497-2492.

Thank you,


Leslie T. Reeves
Regulatory Advisor
OXY USA Inc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

1a. Type of work: ☒ DRILL ☐ REENTER		5. Lease Serial No. NMNM077018
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☒ Multiple Zone		7. If Unit or CA Agreement, Name and No.
2. Name of Operator OXY USA INCORPORATED		8. Lease Name and Well No. HEIGHT CC 6_7 FEDERAL COM 35H
3a. Address 5 Greenway Plaza, Suite 110 Houston TX 77046	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 LOT 1 / 65 FNL / 1041 FEL / LAT 32.254027 / LONG -104.0186046 At proposed prod. zone SWSE / 20 FSL / 1380 FEL / LAT 32.2250378 / LONG -104.0196315		10. Field and Pool, or Exploratory PURPLE SAGE WOLFCAMP / WOLFCAM
11. Sec., T. R. M. or Blk. and Survey or Area SEC 6 / T24S / R29E / NMP		
14. Distance in miles and direction from nearest town or post office*		12. County or Parish
13. State		
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 20 feet	16. No of acres in lease 80	17. Spacing Unit dedicated to this well 640
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 35 feet	19. Proposed Depth 9880 feet / 20111 feet	20. BLM/BIA Bond No. in file FED: ESB000226
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 2956 feet	22. Approximate date work will start* 01/28/2019	23. Estimated duration 20 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

- | | |
|--|---|
| 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 requested by the BLM. |

25. Signature (Electronic Submission)	Name (Printed/Typed) David Stewart / Ph: (713)366-5716	Date 08/17/2018
Title Sr. Regulatory Advisor		
Approved by (Signature)	Name (Printed/Typed)	Date
Title Office CARLSBAD		

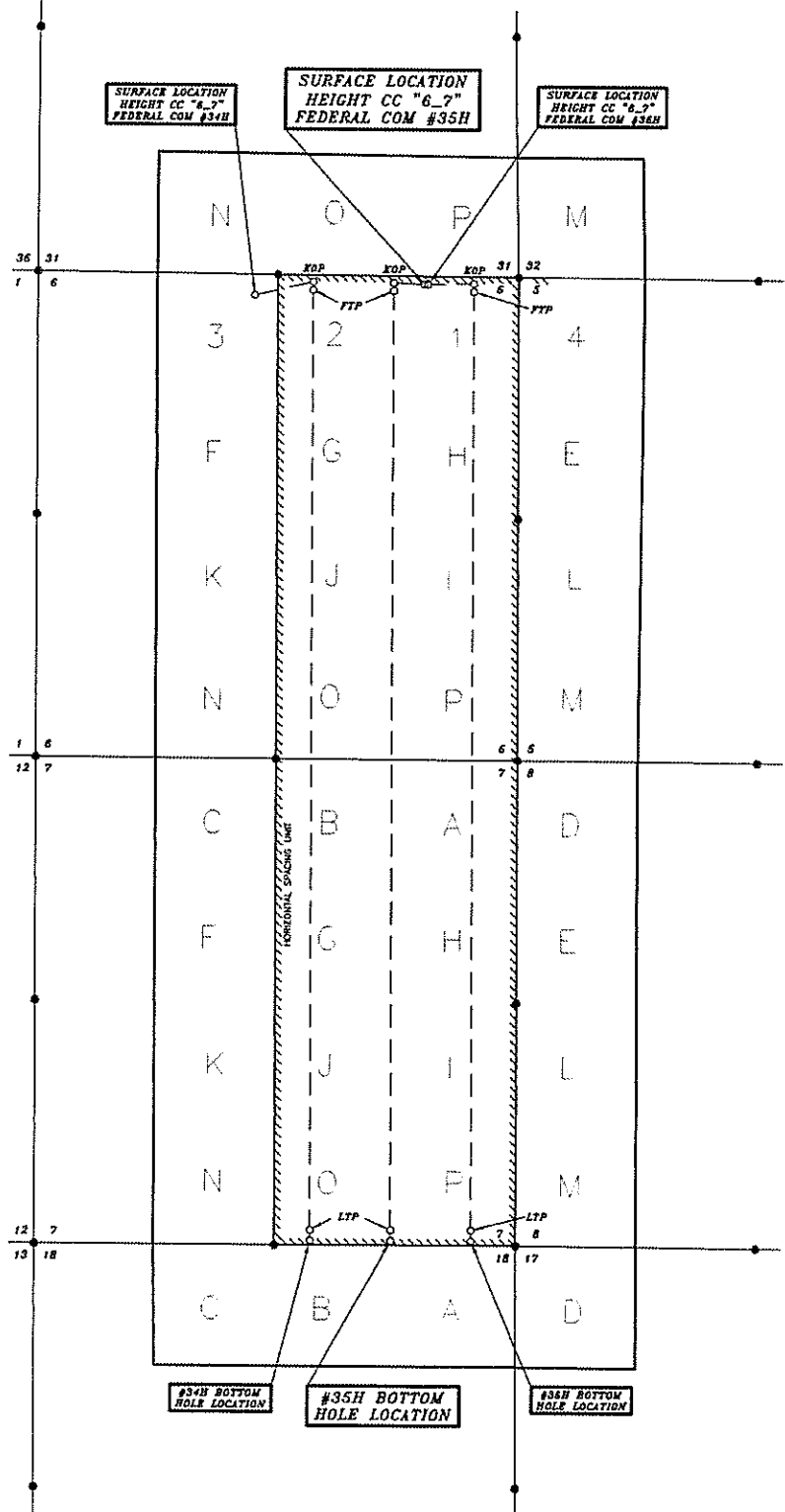
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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.

OXY USA INC.

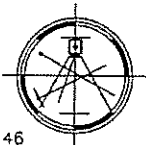
HEIGHT CC "6-7" FEDERAL COM #35H
 SECTIONS 5, 6, 7, 8, 17 & 18, TOWNSHIP 24 SOUTH,
 RANGE 29 EAST AND SECTIONS 31 & 32, TOWNSHIP 23 SOUTH,
 RANGE 29 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO



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 12/3/2018
 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

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-	Pool Code 98220	Pool Name Purple Sage Wolfcamp
Property Code	Property Name HEIGHT CC "6_7" FEDERAL COM	Well Number 35H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2956.1'

Surface Location

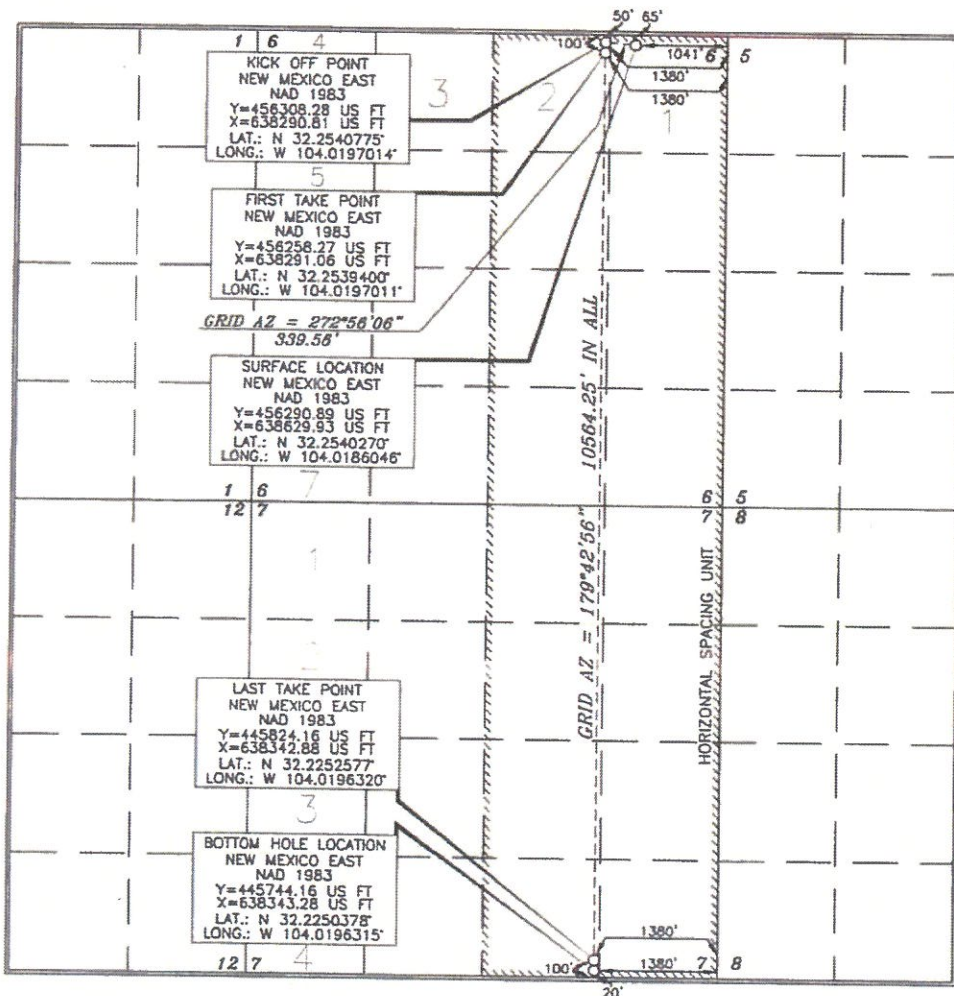
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	6	24 SOUTH	29 EAST, N.M.P.M.		65'	NORTH	1041'	EAST	EDDY

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	7	24 SOUTH	29 EAST, N.M.P.M.		20'	SOUTH	1380'	EAST	EDDY

Dedicated Acres 6.0	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.



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 unleased 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: **8/16/18**

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 valid historical surveys made by me or under my supervision, and that the same is true and correct to the best of my belief

Date of Survey: **JUNE 28, 2018**

Signature and Seal of Professional Surveyor: *Terry J. As...*

Certificate Number: **15079**

WO# 180628WL-d (NA)

Intent ☒ As Drilled ☐

API #
30-015-

Operator Name:	Property Name:	Well Number
OXY USA INC.	HEIGHT CC 6_7 FEDERAL COM	35H

Kick Off Point (KOP)

UL B	Section 6	Township 24S	Range 29E	Lot	Feet 50	From N/S FNL	Feet 1380	From E/W FEL	County EDDY
Latitude 32.2540775					Longitude -104.0197014			NAD NAD83	

First Take Point (FTP)

UL B	Section 6	Township 24S	Range 29E	Lot	Feet 100	From N/S FNL	Feet 1380	From E/W FEL	County EDDY
Latitude 32.2539400					Longitude -104.0197011			NAD NAD83	

Last Take Point (LTP)

UL O	Section 7	Township 24S	Range 29E	Lot	Feet 100	From N/S FSL	Feet 1380	From E/W FEL	County EDDY
Latitude 32.2252577					Longitude -104.0196320			NAD NAD83	

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Application Non-Standard Location - Service List
OXY USA Inc.
Height CC 6-7 Federal Com #35H

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

Bureau of Land Management Carlsbad
 620 E. Greene Street
 Carlsbad, NM 88220-6292
 7014 1820 0000 0732 0144

T23S-R29E

Section 31 - Unit O & P

Existing Horizontal Spacing Unit Section 31(T23S-R29E) - Unit O, P, J, I, G, H, B, A & Section 30(T23S-R29E) - Unit O, P, J, I, G, H, B, A

Devon Energy Production Company, LP
 333 West Sheridan Avenue
 Oklahoma City, OK 73102-5010
 7014 1820 0000 0732 0151

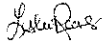
T24S-R29E

Section 18 - Unit B & A

Existing Horizontal Spacing Unit Section 18(T24S-R29E) - Unit D, C, B, A, E, F, G & H

Matador Resources Company
 5400 LBJ Freeway, Suite 1500
 Dallas, TX 75240
 7014 1820 0000 0732 0168

Copies of this application were mailed to the following individuals, companies and organizations on or before December 12, 2018.



Leslie Reeves, Regulatory Advisor
 OXY USA Inc.

BOREHOLE

WELL

FIELD

STRUCTURE

Height CC 6_7 Fed Com 35H

Height CC 6_7 Fed Com 35H

Cedar Canyon

Height CC 6_7 Fed Com 35H

GRAVITY & MAGNETICS PARAMETERS				SURFACE LOCATION				NAD83 New Mexico State Plane, Eastern Zone, US Feet			
Model	HQIM 2018	Dip	60.034°	Date	07-Aug-18	Lat	N 32°16'14.60"	Nothing	456,290.88	NUS	Grid Conv: 0.168°
MagDec	7.132°	FS	47.991,992nT	Gravity FS	999.471mgm (0.80665 Based)	Lon	W 104°16.98"	Ending	638,629.33	NUS	Scale Fact: 0.99991993

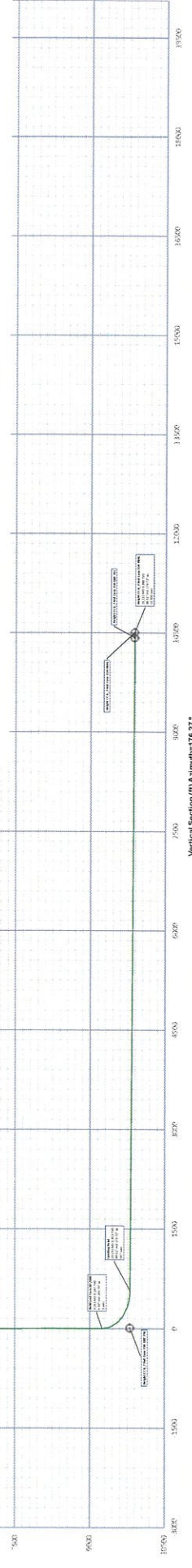
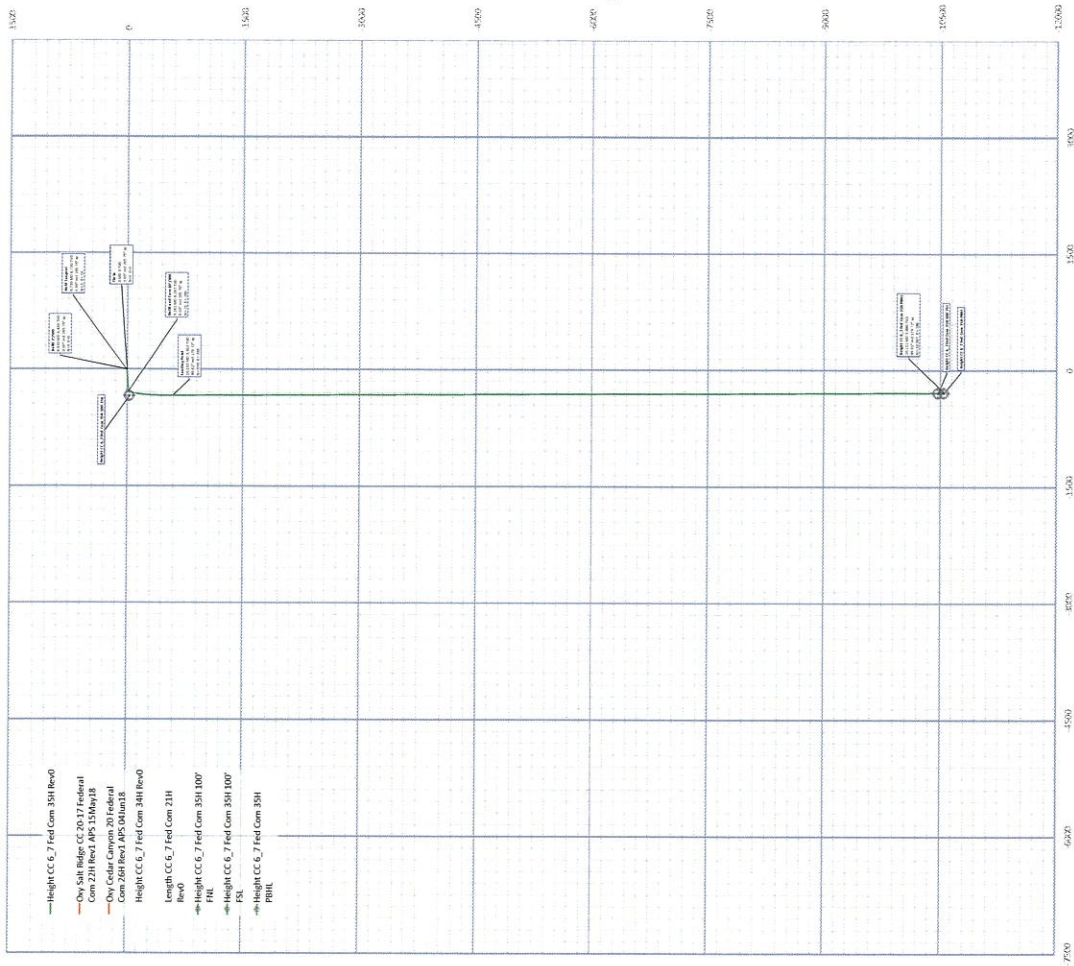
MISCELLANEOUS

Shot

TwfRef: RKB

Plan: Height CC 6_7 Fed Com 35H Rev0

Critical Point	MD	Incl	Azim	TVD	VSEC	NS	EW	DLS
Tie in	0.00	0.00	265.75	0.00	0.00	0.00	0.00	0.00
Build 27/100	6,430.00	0.00	265.75	6,430.00	0.00	0.00	0.00	0.00
Hold Tangent	6,730.24	6.00	265.75	6,726.70	0.14	-1.16	-15.66	2.00
Build and Turn 107/100	9,261.47	6.00	265.75	9,247.03	2.54	-20.79	-279.75	0.00
Landing Point	10,153.48	89.61	179.72	9,812.77	567.06	-590.17	-335.89	10.00
Height CC 6_7 Fed Com 35H PBHL	20,110.89	89.61	179.72	9,880.00	10,506.23	-10,547.24	-286.46	0.00



Height CC 6_7 Fed Com 35H Rev0 Proposal Geodetic Report

(Non-Def Plan)

Report Date: August 07, 2018 - 03:07 PM (UTC 0)
Client: OXY
Field: Cedar Canyon
Structure / Slot: Height CC 6_7 Fed Com 35H
Well: Height CC 6_7 Fed Com 35H
Borehole: Height CC 6_7 Fed Com 35H
UWI / API#: Unknown / Unknown
Plan Name: Height CC 6_7 Fed Com 35H Rev0
Plan Date: August 07, 2018
Tort / AHD / DDI / ERD Ratio: 95.206 * / 10816.198 ft / 6.321 / 1.095
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32°15'14.49696", W 104°15'5.97644"
Location Grid N/E Y/X: N 456290.880 ftUS, E 638629.930 ftUS
CRS Grid Convergence Angle: 0.168"
Grid Scale Factor: 0.99991993
Engine Version: 2018.8.0.1

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 176.258 *(GRID North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 2982.600 ft above MSL
Seabed / Ground Elevation: 2956.100 ft above MSL
Magnetic Declination: 7.132°
Total Gravity Field Strength: 998.4714mgn (9,80665 Based)
Gravity Model: GARIM
Total Magnetic Field Strength: 47591.592 nT
Magnetic Dip Angle: 60.034°
Declination Date: August 07, 2018
Magnetic Declination Model: HDGM 2018
North Reference: GRID
Total Corr Mag: 6.9644°
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Tie in	0.00	0.00	265.75	0.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	100.00	0.00	265.75	100.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	200.00	0.00	265.75	200.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	300.00	0.00	265.75	300.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	400.00	0.00	265.75	400.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	500.00	0.00	265.75	500.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	600.00	0.00	265.75	600.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	700.00	0.00	265.75	700.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	800.00	0.00	265.75	800.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	900.00	0.00	265.75	900.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	1,000.00	0.00	265.75	1,000.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	1,100.00	0.00	265.75	1,100.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	1,200.00	0.00	265.75	1,200.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	1,300.00	0.00	265.75	1,300.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	1,400.00	0.00	265.75	1,400.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	1,500.00	0.00	265.75	1,500.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	1,600.00	0.00	265.75	1,600.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	1,700.00	0.00	265.75	1,700.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	1,800.00	0.00	265.75	1,800.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	1,900.00	0.00	265.75	1,900.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	2,000.00	0.00	265.75	2,000.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	2,100.00	0.00	265.75	2,100.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	2,200.00	0.00	265.75	2,200.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	2,300.00	0.00	265.75	2,300.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	2,400.00	0.00	265.75	2,400.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	2,500.00	0.00	265.75	2,500.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	2,600.00	0.00	265.75	2,600.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	2,700.00	0.00	265.75	2,700.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	2,800.00	0.00	265.75	2,800.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	2,900.00	0.00	265.75	2,900.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	3,000.00	0.00	265.75	3,000.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	3,100.00	0.00	265.75	3,100.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	3,200.00	0.00	265.75	3,200.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	3,300.00	0.00	265.75	3,300.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	3,400.00	0.00	265.75	3,400.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	3,500.00	0.00	265.75	3,500.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	3,600.00	0.00	265.75	3,600.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	3,700.00	0.00	265.75	3,700.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	3,800.00	0.00	265.75	3,800.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	3,900.00	0.00	265.75	3,900.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	4,000.00	0.00	265.75	4,000.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	4,100.00	0.00	265.75	4,100.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	4,200.00	0.00	265.75	4,200.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	4,300.00	0.00	265.75	4,300.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	4,400.00	0.00	265.75	4,400.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	4,500.00	0.00	265.75	4,500.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	4,600.00	0.00	265.75	4,600.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	4,700.00	0.00	265.75	4,700.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	4,800.00	0.00	265.75	4,800.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	4,900.00	0.00	265.75	4,900.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	5,000.00	0.00	265.75	5,000.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	5,100.00	0.00	265.75	5,100.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	5,200.00	0.00	265.75	5,200.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	5,300.00	0.00	265.75	5,300.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	5,400.00	0.00	265.75	5,400.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	5,500.00	0.00	265.75	5,500.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	5,600.00	0.00	265.75	5,600.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	5,700.00	0.00	265.75	5,700.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	5,800.00	0.00	265.75	5,800.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	5,900.00	0.00	265.75	5,900.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	6,000.00	0.00	265.75	6,000.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	6,100.00	0.00	265.75	6,100.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	6,200.00	0.00	265.75	6,200.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	6,300.00	0.00	265.75	6,300.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	6,400.00	0.00	265.75	6,400.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
Build 2"/100	6,430.00	0.00	265.75	6,430.00	0.00	0.00	0.00	0.00	456,290.88	638,629.93	N 32°15'14.50"	W 104°16'58"
	6,500.00	1.40	265.75	6,499.99	0.01	-0.06	-0.85	2.00	456,290.82	638,629.98	N 32°15'14.50"	W 104°16'59"
	6,600.00	3.40	265.75	6,599.90	0.05	-0.37	-5.03	2.00	456,290.51	638,624.90	N 32°15'14.49"	W 104°17'04"
	6,700.00	5.40	265.75	6,699.50	0.12	-0.94	-12.68	2.00	456,289.94	638,617.25	N 32°15'14.48"	W 104°17'12"
Hold Tangent	6,730.24	6.00	265.75	6,729.70	0.14	-1.16	-15.68	2.00	456,289.72	638,614.26	N 32°15'14.48"	W 104°17'16"
	6,800.00	6.00	265.75	6,799.07	0.21	-1.71	-22.95	0.00	456,289.17	638,606.98	N 32°15'14.48"	W 104°17'24"
	6,900.00	6.00	265.75	6,898.52	0.30	-2.48	-33.39	0.00	456,288.40	638,596.55	N 32°15'14.47"	W 104°17'37"
	7,000.00	6.00	265.75	6,897.97	0.40	-3.26	-43.82	0.00	456,287.62	638,586.12	N 32°15'14.47"	W 104°17'49"
	7,100.00	6.00	265.75	7,097.42	0.49	-4.03	-54.25	0.00	456,286.85	638,575.68	N 32°15'14.46"	W 104°17'61"
	7,200.00	6.00	265.75	7,196.87	0.59	-4.81	-64.68	0.00	456,286.07	638,565.25	N 32°15'14.45"	W 10

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (*/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ° °)	Longitude (E/W ° ° °)
	7,800.00	8.00	265.75	7,793.58	1.15	-9.46	-127.28	0.00	456,281.42	638,502.66	N 32°15'14.41"	W 104°11'0.46"
	7,900.00	8.00	265.75	7,893.03	1.25	-10.23	-137.71	0.00	456,280.65	638,492.23	N 32°15'14.40"	W 104°11'0.58"
	8,000.00	8.00	265.75	7,992.48	1.34	-11.01	-148.14	0.00	456,279.87	638,481.80	N 32°15'14.39"	W 104°11'0.70"
	8,100.00	8.00	265.75	8,091.93	1.44	-11.78	-158.55	0.00	456,279.10	638,471.37	N 32°15'14.38"	W 104°11'0.82"
	8,200.00	8.00	265.75	8,191.39	1.53	-12.56	-169.01	0.00	456,278.32	638,460.93	N 32°15'14.38"	W 104°11'0.94"
	8,300.00	8.00	265.75	8,290.84	1.63	-13.33	-179.44	0.00	456,277.55	638,450.50	N 32°15'14.37"	W 104°11'0.97"
	8,400.00	8.00	265.75	8,390.29	1.72	-14.11	-189.87	0.00	456,276.77	638,440.07	N 32°15'14.36"	W 104°11'0.97"
	8,500.00	8.00	265.75	8,489.74	1.82	-14.89	-200.31	0.00	456,276.00	638,429.64	N 32°15'14.36"	W 104°11'0.97"
	8,600.00	8.00	265.75	8,589.19	1.91	-15.66	-210.74	0.00	456,275.22	638,419.21	N 32°15'14.35"	W 104°11'0.97"
	8,700.00	8.00	265.75	8,688.64	2.01	-16.44	-221.17	0.00	456,274.45	638,408.78	N 32°15'14.34"	W 104°11'0.97"
	8,800.00	8.00	265.75	8,788.09	2.10	-17.21	-231.60	0.00	456,273.67	638,398.34	N 32°15'14.33"	W 104°11'0.97"
	8,900.00	8.00	265.75	8,887.55	2.20	-17.99	-242.04	0.00	456,272.89	638,387.91	N 32°15'14.33"	W 104°11'0.97"
	9,000.00	8.00	265.75	8,987.00	2.29	-18.76	-252.47	0.00	456,272.12	638,377.48	N 32°15'14.32"	W 104°11'0.97"
	9,100.00	8.00	265.75	9,086.45	2.39	-19.54	-262.90	0.00	456,271.34	638,367.05	N 32°15'14.31"	W 104°11'0.97"
	9,200.00	8.00	265.75	9,185.90	2.48	-20.31	-273.34	0.00	456,270.57	638,356.62	N 32°15'14.30"	W 104°11'0.97"
Build and Turn 10°/100	9,261.47	8.00	265.75	9,247.03	2.54	-20.79	-279.75	0.00	456,270.09	638,350.21	N 32°15'14.30"	W 104°11'0.97"
	9,300.00	7.35	234.14	9,285.31	3.87	-22.38	-283.76	10.00	456,268.90	638,346.20	N 32°15'14.28"	W 104°11'0.88"
	9,400.00	15.45	202.00	9,383.34	19.30	-38.52	-293.95	10.00	456,252.37	638,336.00	N 32°15'14.12"	W 104°11'0.40"
	9,500.00	24.95	192.71	9,477.11	51.61	-71.52	-303.61	10.00	456,219.36	638,326.35	N 32°15'13.80"	W 104°11'0.51"
	9,600.00	34.72	188.39	9,563.76	99.80	-120.39	-312.42	10.00	456,170.50	638,317.53	N 32°15'13.31"	W 104°11'0.62"
	9,700.00	44.58	185.79	9,640.67	162.42	-183.65	-320.13	10.00	456,107.25	638,309.82	N 32°15'12.69"	W 104°11'0.71"
	9,800.00	54.49	183.97	9,705.49	237.56	-259.36	-326.51	10.00	456,031.54	638,303.45	N 32°15'11.94"	W 104°11'0.79"
	9,900.00	64.41	182.58	9,756.25	322.93	-345.23	-331.35	10.00	455,945.68	638,298.61	N 32°15'11.09"	W 104°11'0.85"
	10,000.00	74.35	181.36	9,791.42	415.95	-438.65	-334.51	10.00	455,852.26	638,295.45	N 32°15'10.17"	W 104°11'0.89"
	10,100.00	84.29	180.28	9,809.93	513.79	-536.79	-335.90	10.00	455,754.14	638,294.06	N 32°15'9.20"	W 104°11'0.91"
	10,153.48	89.61	179.72	9,812.77	567.06	-590.17	-335.89	10.00	455,700.76	638,294.07	N 32°15'8.67"	W 104°11'0.91"
	10,200.00	89.61	179.72	9,813.08	613.50	-636.69	-335.66	0.00	455,654.24	638,294.30	N 32°15'8.21"	W 104°11'0.91"
	10,300.00	89.61	179.72	9,813.76	713.31	-736.69	-335.16	0.00	455,554.25	638,294.79	N 32°15'7.22"	W 104°11'0.90"
	10,400.00	89.61	179.72	9,814.43	813.13	-836.68	-334.67	0.00	455,454.26	638,295.29	N 32°15'6.23"	W 104°11'0.90"
	10,500.00	89.61	179.72	9,815.11	912.95	-936.68	-334.17	0.00	455,354.28	638,295.79	N 32°15'5.24"	W 104°11'0.90"
	10,600.00	89.61	179.72	9,815.78	1,012.76	-1,036.68	-333.67	0.00	455,254.29	638,296.28	N 32°15'4.25"	W 104°11'0.90"
	10,700.00	89.61	179.72	9,816.46	1,112.58	-1,136.67	-333.18	0.00	455,154.30	638,296.78	N 32°15'3.26"	W 104°11'0.89"
	10,800.00	89.61	179.72	9,817.13	1,212.40	-1,236.67	-332.68	0.00	455,054.31	638,297.27	N 32°15'2.27"	W 104°11'0.89"
	10,900.00	89.61	179.72	9,817.81	1,312.21	-1,336.67	-332.19	0.00	454,954.32	638,297.77	N 32°15'1.28"	W 104°11'0.89"
	11,000.00	89.61	179.72	9,818.48	1,412.03	-1,436.66	-331.69	0.00	454,854.33	638,298.27	N 32°15'0.29"	W 104°11'0.89"
	11,100.00	89.61	179.72	9,819.16	1,511.85	-1,536.66	-331.19	0.00	454,754.35	638,298.76	N 32°14'59.31"	W 104°11'0.89"
	11,200.00	89.61	179.72	9,819.83	1,611.66	-1,636.66	-330.70	0.00	454,654.36	638,299.26	N 32°14'58.31"	W 104°11'0.88"
	11,300.00	89.61	179.72	9,820.51	1,711.48	-1,736.65	-330.20	0.00	454,554.37	638,299.76	N 32°14'57.32"	W 104°11'0.88"
	11,400.00	89.61	179.72	9,821.18	1,811.30	-1,836.65	-329.71	0.00	454,454.38	638,300.25	N 32°14'56.33"	W 104°11'0.88"
	11,500.00	89.61	179.72	9,821.86	1,911.11	-1,936.65	-329.21	0.00	454,354.39	638,300.75	N 32°14'55.34"	W 104°11'0.88"
	11,600.00	89.61	179.72	9,822.53	2,010.93	-2,036.64	-328.71	0.00	454,254.40	638,301.24	N 32°14'54.35"	W 104°11'0.87"
	11,700.00	89.61	179.72	9,823.21	2,110.75	-2,136.64	-328.22	0.00	454,154.42	638,301.74	N 32°14'53.36"	W 104°11'0.87"
	11,800.00	89.61	179.72	9,823.88	2,210.56	-2,236.64	-327.72	0.00	454,054.43	638,302.24	N 32°14'52.37"	W 104°11'0.87"
	11,900.00	89.61	179.72	9,824.56	2,310.38	-2,336.63	-327.22	0.00	453,954.44	638,302.73	N 32°14'51.39"	W 104°11'0.87"
	12,000.00	89.61	179.72	9,825.23	2,410.20	-2,436.63	-326.73	0.00	453,854.45	638,303.23	N 32°14'50.40"	W 104°11'0.86"
	12,100.00	89.61	179.72	9,825.91	2,510.02	-2,536.63	-326.23	0.00	453,754.46	638,303.72	N 32°14'49.41"	W 104°11'0.86"
	12,200.00	89.61	179.72	9,826.58	2,609.83	-2,636.62	-325.74	0.00	453,654.47	638,304.22	N 32°14'48.42"	W 104°11'0.86"
	12,300.00	89.61	179.72	9,827.26	2,709.65	-2,736.62	-325.24	0.00	453,554.48	638,304.72	N 32°14'47.43"	W 104°11'0.86"
	12,400.00	89.61	179.72	9,827.93	2,809.47	-2,836.61	-324.74	0.00	453,454.50	638,305.21	N 32°14'46.44"	W 104°11'0.85"
	12,500.00	89.61	179.72	9,828.61	2,909.28	-2,936.61	-324.25	0.00	453,354.51	638,305.71	N 32°14'45.45"	W 104°11'0.85"
	12,600.00	89.61	179.72	9,829.29	3,009.10	-3,036.61	-323.75	0.00	453,254.52	638,306.21	N 32°14'44.46"	W 104°11'0.85"
	12,700.00	89.61	179.72	9,829.96	3,108.92	-3,136.60	-323.26	0.00	453,154.53	638,306.70	N 32°14'43.47"	W 104°11'0.85"
	12,800.00	89.61	179.72	9,830.64	3,208.73	-3,236.60	-322.76	0.00	453,054.55	638,307.20	N 32°14'42.48"	W 104°11'0.84"
	12,900.00	89.61	179.72	9,831.31	3,308.55	-3,336.60	-322.26	0.00	452,954.56	638,307.69	N 32°14'41.49"	W 104°11'0.84"
	13,000.00	89.61	179.72	9,831.99	3,408.37	-3,436.59	-321.77	0.00	452,854.57	638,308.19	N 32°14'40.50"	W 104°11'0.84"
	13,100.00	89.61	179.72	9,832.66	3,508.18	-3,536.59	-321.27	0.00	452,754.58	638,308.69	N 32°14'39.51"	W 104°11'0.84"
	13,200.00	89.61	179.72	9,833.34	3,608.00	-3,636.58	-320.78	0.00	452,654.59	638,309.18	N 32°14'38.52"	W 104°11'0.84"
	13,300.00	89.61	179.72	9,834.01	3,707.82	-3,736.58	-320.28	0.00	452,554.60	638,309.68	N 32°14'37.53"	W 104°11'0.83"
	13,400.00	89.61	179.72	9,834.69	3,807.63	-3,836.58	-319.78	0.00	452,454.62	638,310.17	N 32°14'36.54"	W 104°11'0.83"
	13,500.00	89.61	179.72	9,835.36	3,907.45	-3,936.58	-319.29	0.00	452,354.63	638,310.67	N 32°14'35.55"	W 104°11'0.83"
	13,600.00	89.61	179.72	9,836.04	4,007.27	-4,036.57	-318.79	0.00	452,254.64	638,311.17	N 32°14'34.56"	W 104°11'0.82"
	13,700.00	89.61	179.72	9,836.71	4,107.08	-4,136.57	-318.29	0.00	452,154.65	638,311.66	N 32°14'33.57"	W 104°11'0.82"
	13,800.00	89.61	179.72	9,837.39	4,206.90	-4,236.57	-317.80	0.00	452,054.66	638,312.16	N 32°14'32.58"	W 104°11'0.82"
	13,900.00	89.61	179.72	9,838.06	4,306.72	-4,336.56	-317.30	0.00	451,954.67	638,312.66	N 32°14'31.59"	W 104°11'0.82"
	14,000.00	89.61	179.72	9,838.74	4,406.53	-4,436.56	-316.80	0.00	451,854.69	638,313.15	N 32°14'30.60"	W 104°11'0.82"
	14,100.00	89.61	179.72	9,839.41	4,506.35	-4,536.55	-316.31	0.00	451,754.70	638,313.65	N 32°14'29.61"	W 104°11'0.81"
	14,200.00	89.61	179.72	9,840.09	4,606.17	-4,636.55	-315.81	0.00	451,654.71	638,314.14	N 32°14'28.63"	W 104°11'0.81"
	14,300.00	89.61	179.72	9,840.76	4,705.98	-4,736.55	-315.32	0.00	451,554.72	638,314.64	N 32°14'27.64"	W 104°11'0.81"
	14,400.00	89.61	179.72	9,841.44	4,805.80	-4,836.54	-314.82	0.00	451,454.73	638,315.14	N 32°14'26.65"	W 104°11'0.81"
	14,500.00	89.61	179.72	9,842.11	4,905.62	-4,936.54	-314.32	0.00	451,354.74	638,315.63	N 32°14'25.66"	W 104°11'0.80"
	14,600.00	89.61	179.72	9,842.79	5,005.43	-5,036.54	-313.83	0.00	451,254.75	638,316.13	N 32°14'24.67"	W 104°11'0.80"
	14,700.00	89.61	179.72	9,843.46	5,105.25	-5,136.53	-313.33	0.00	451,154.77	638,316.62	N 32°14'23.68"	W 104°11'0.80"
	14,800.00	89.61	179.72	9,844.14	5,205.07	-5,236.53	-312.84	0.00	451,054.78	638,317.12	N 32°14'22.69"	W 104°11'0.80"
	14,900.00	89.61	179.72	9,844.82	5,304.89	-5,336.53	-312.34	0.00	450,954.79	638,317.62	N 32°14'21.70"	W

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ° °)	Longitude (E/W ° ° °)
	18,400.00	89.61	179.72	9,868.45	8,798.47	-8,836.40	-294.97	0.00	447,455.20	638,334.98	N 32°13'47.07"	W 104°11'10.71"
	18,500.00	89.61	179.72	9,869.12	8,868.29	-8,936.40	-294.48	0.00	447,355.21	638,335.48	N 32°13'46.08"	W 104°11'10.71"
	18,600.00	89.61	179.72	9,869.80	8,998.11	-9,036.40	-293.98	0.00	447,255.22	638,335.97	N 32°13'45.09"	W 104°11'10.71"
	18,700.00	89.61	179.72	9,870.47	9,097.92	-9,136.39	-293.48	0.00	447,155.24	638,336.47	N 32°13'44.10"	W 104°11'10.70"
	18,800.00	89.61	179.72	9,871.15	9,197.74	-9,236.39	-292.99	0.00	447,055.25	638,336.97	N 32°13'43.11"	W 104°11'10.70"
	18,900.00	89.61	179.72	9,871.82	9,297.56	-9,336.39	-292.49	0.00	446,955.26	638,337.46	N 32°13'42.12"	W 104°11'10.70"
	19,000.00	89.61	179.72	9,872.50	9,397.37	-9,436.38	-292.00	0.00	446,855.27	638,337.96	N 32°13'41.13"	W 104°11'10.70"
	19,100.00	89.61	179.72	9,873.17	9,497.19	-9,536.38	-291.50	0.00	446,755.28	638,338.45	N 32°13'40.14"	W 104°11'10.70"
	19,200.00	89.61	179.72	9,873.85	9,597.01	-9,636.38	-291.00	0.00	446,655.30	638,338.95	N 32°13'39.15"	W 104°11'10.69"
	19,300.00	89.61	179.72	9,874.52	9,696.82	-9,736.37	-290.51	0.00	446,555.31	638,339.45	N 32°13'38.16"	W 104°11'10.69"
	19,400.00	89.61	179.72	9,875.20	9,796.64	-9,836.37	-290.01	0.00	446,455.32	638,339.94	N 32°13'37.17"	W 104°11'10.69"
	19,500.00	89.61	179.72	9,875.88	9,896.46	-9,936.37	-289.51	0.00	446,355.33	638,340.44	N 32°13'36.18"	W 104°11'10.69"
	19,600.00	89.61	179.72	9,876.55	9,996.27	-10,036.36	-289.02	0.00	446,255.34	638,340.94	N 32°13'35.19"	W 104°11'10.68"
	19,700.00	89.61	179.72	9,877.23	10,096.09	-10,136.35	-288.52	0.00	446,155.35	638,341.43	N 32°13'34.21"	W 104°11'10.68"
	19,800.00	89.61	179.72	9,877.90	10,195.91	-10,236.35	-288.03	0.00	446,055.37	638,341.93	N 32°13'33.22"	W 104°11'10.68"
	19,900.00	89.61	179.72	9,878.58	10,295.72	-10,336.35	-287.53	0.00	445,955.38	638,342.42	N 32°13'32.23"	W 104°11'10.68"
	20,000.00	89.61	179.72	9,879.25	10,395.54	-10,436.35	-287.03	0.00	445,855.39	638,342.92	N 32°13'31.24"	W 104°11'10.67"
	20,100.00	89.61	179.72	9,879.93	10,495.36	-10,536.34	-286.54	0.00	445,755.40	638,343.42	N 32°13'30.25"	W 104°11'10.67"
Height CC 6_7 Fed Com 35H PBHL	20,110.89	89.61	179.72	9,880.00	10,506.23	-10,547.24	-286.48	0.00	445,744.51	638,343.47	N 32°13'30.14"	W 104°11'10.67"

Survey Type: Non-Def Plan

Survey Error Model: ISCWSA 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Type	Borehole / Survey
	1	0.000	3,482.600	1/100.000	14.750			NAL_MWD_2.0_DEG	Height CC 6_7 Fed Com 35H / Height CC 6_7 Fed Com 35H Rev0
	1	3,482.600	20,121.290	1/100.000	9.875			NAL_MWD_2.0_DEG	Height CC 6_7 Fed Com 35H / Height CC 6_7 Fed Com 35H Rev0



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

December 13, 2018

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.
Height CC 6_7 Fed Com 35H
SWSE Section 31 and NWNE Section 18, T24S-R29E, Eddy County

Dear Mr. Lowe:

Oxy USA Inc. respectfully seeks approval for a non-standard location, decreasing the first and last take point for Height CC 6_7 Fed Com 35H in the Wolfcamp formation of the Purple Sage Pool from 330 feet to 100 feet. It is Oxy's responsibility as a prudent operator to maximize lateral length and minimize reserves left in the ground. Decreasing the first and last take point will increase this wells effective lateral length by 460 feet, and increase the estimated ultimate recovery of the well by approximately 5%. Any increase in first and last take point would result in untapped reserves left in the reservoir, and waste of a resource that would not be developed otherwise.

Sincerely,

A handwritten signature in blue ink, appearing to read "J. C. James". The signature is fluid and cursive, with the first and last names being more prominent than the middle initial.

Jennifer James
Development Engineer

Lowe, Leonard, EMNRD

From: Reeves, Leslie T <Leslie_Reeves@oxy.com>
Sent: Thursday, December 13, 2018 11:21 AM
To: Lowe, Leonard, EMNRD
Cc: Morris, Justin C; Stewart, David R; Reeves, Leslie T
Subject: [EXT] Height CC 6-7 Federal Com 35H - NSL Application for Approval
Attachments: Height CC 6-7 Federal Com 35H - NSL Application AsFiled 12-13-18.pdf

Hi Leonard-

Please find the attached NSL application for the Height CC 6-7 Federal Com 35H. I am only submitting this electronic copy to you for approval (no hard copy). Feel free to let me know if you have any questions or need anything further.

Thank you for the help in advance!

Leslie T. Reeves

Regulatory Advisor | Permian Resources – New Mexico
Office: (713) 497-2492 | 29.072 | Cell: (281) 733-0824
Email: Leslie_Reeves@oxy.com

Lowe, Leonard, EMNRD

From: Lowe, Leonard, EMNRD
Sent: Tuesday, January 15, 2019 10:50 AM
To: 'Reeves, Leslie T'
Cc: Mike Bratcher (mike.bratcher@state.nm.us); Cordero, Gilbert, EMNRD; 'lisa@rwbyram.com'; Jones, William V, EMNRD; Dawson, Scott, EMNRD; Murphy, Kathleen A, EMNRD; McMillan, Michael, EMNRD; Goetze, Phillip, EMNRD; 'jglover@blm.gov'
Subject: APPROVED 6 NSLs_OXY USA INC._Height CC 6_7 Fed Com Wells_SEC 6 24S 29E

Ms. Leslie Reeves,

The following administrative orders have been issued and will soon be available on the Division's web site:
<http://ocdimage.emnrd.state.nm.us/Imaging/Default.aspx>

OXY USA INC.

POOL: Purple Sage; Wolfcamp [# 98220]

NSL-7793

API #: 30-015-45553

WELL: Height CC 6_7 Federal Com Well No. 31H

NSL-7794

API #: 30-015-45554

WELL: Height CC 6_7 Federal Com Well No. 32H

NSL-7795

API #: 30-015-45561

WELL: Height CC 6_7 Federal Com Well No. 33H

NSL-7796

API #: 30-015-45562

WELL: Height CC 6_7 Federal Com Well No. 34H

NSL-7797

API #: 30-015-45563

WELL: Height CC 6_7 Federal Com Well No. 35H

NSL-7798

API #: 30-015-45564

WELL: Height CC 6_7 Federal Com Well No. 36H

Leonard Lowe