

RECEIVED: 12/13/18	REVIEWER: LRL	TYPE: NSL	APP NO: pLEL1834744034
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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 36H **API:** 30-015-  
**Pool:** PURPLE SAGE WOLFCAMP **Pool Code:** 98220

**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	
<input type="checkbox"/>	Notice Complete
<input type="checkbox"/>	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 36H – Purple Sage Wolfcamp  
Surface – 65' FNL 1006' FEL Unit A Sec 6 T24S R29E  
First Take Point – 100' FNL 500' FEL Unit A Sec 6 T24S R29E  
Last Take Point – 330' FSL 500' FEL Unit P Sec 7 T24S R29E  
Bottom Hole –20' FSL 500' FEL Unit P 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 36H well, API Number-30-015-pending, Property Code pending. The #36H 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 1006' FEL Unit A Sec 6 T24S R29E  
First Take Point – 100' FNL 500' FEL Unit A Sec 6 T24S R29E  
Last Take Point – 330' FSL 500' FEL Unit P Sec 7 T24S R29E  
Bottom Hole –20' FSL 500' FEL Unit P Sec 7 T24S R29E

The adjoining unit towards which the unorthodox location encroaches is located in T23S R29E, Section 31- Unit 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

December 12, 2018

CERTIFIED MAIL – RETURN RECEIPT REQUESTED (Amended 01/08/19)

Re: *Application for Administrative Approval of Non-Standard Location  
Height CC 6\_7 Federal Com 36H – Purple Sage Wolfcamp  
Surface – 65' FNL 1006' FEL Unit A Sec 6 T24S R29E  
First Take Point – 100' FNL 500' FEL Unit A Sec 6 T24S R29E  
LTP=330' Last Take Point – ~~100'~~ FSL 500' FEL Unit P Sec 7 T24S R29E  
Bottom Hole –20' FSL 500' FEL Unit P 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 1006' FEL Unit A Sec 6 T24S R29E  
First Take Point – 100' FNL 500' FEL Unit A Sec 6 T24S R29E  
LTP=330' Last Take Point – ~~100'~~ FSL 500' FEL Unit P Sec 7 T24S R29E  
Bottom Hole –20' FSL 500' FEL Unit P 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: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER 1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other 1c. Type of Completion: <input type="checkbox"/> Hydraulic Fracturing <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		5. Lease Serial No. NMNM117551
2. Name of Operator OXY USA INCORPORATED		6. If Indian, Allottee or Tribe Name
3a. Address 5 Greenway Plaza, Suite 110 Houston TX 77046		7. If Unit or CA Agreement, Name and No.
3b. Phone No. (include area code) (713)366-5716		8. Lease Name and Well No. HEIGHT CC 6_7 FEDERAL COM 36M
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface LOT 1 / 65 FNL / 1006 FEL / LAT 32.254026 / LONG -104.0184914 At proposed prod. zone SESE / 20 FSL / 500 FEL / LAT 32.2250303 / LONG -104.0167857		9. API Well No.
14. Distance in miles and direction from nearest town or post office*		10. Field and Pool, or Exploratory PURPLE SAGE WOLFCAMP / WOLFCAM
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 20 feet		11. Sec., T. R. M. or Blk. and Survey or Area SEC 6 / T24S / R29E / NMP
16. No of acres in lease 40		12. County or Parish
17. Spacing Unit dedicated to this well 640		13. State
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 35 feet		20. BLM/BIA Bond No. in file FED: ESB000226
19. Proposed Depth 9905 feet / 20145 feet		21. Elevations (Show whether DF, KDB, RT, GL, etc.) 2956 feet
22. Approximate date work will start* 02/15/2019		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.<br>2. A Drilling Plan.<br>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).<br>5. Operator certification.<br>6. Such other site specific information and/or plans as may be requested by the BLM. |
|---|---|

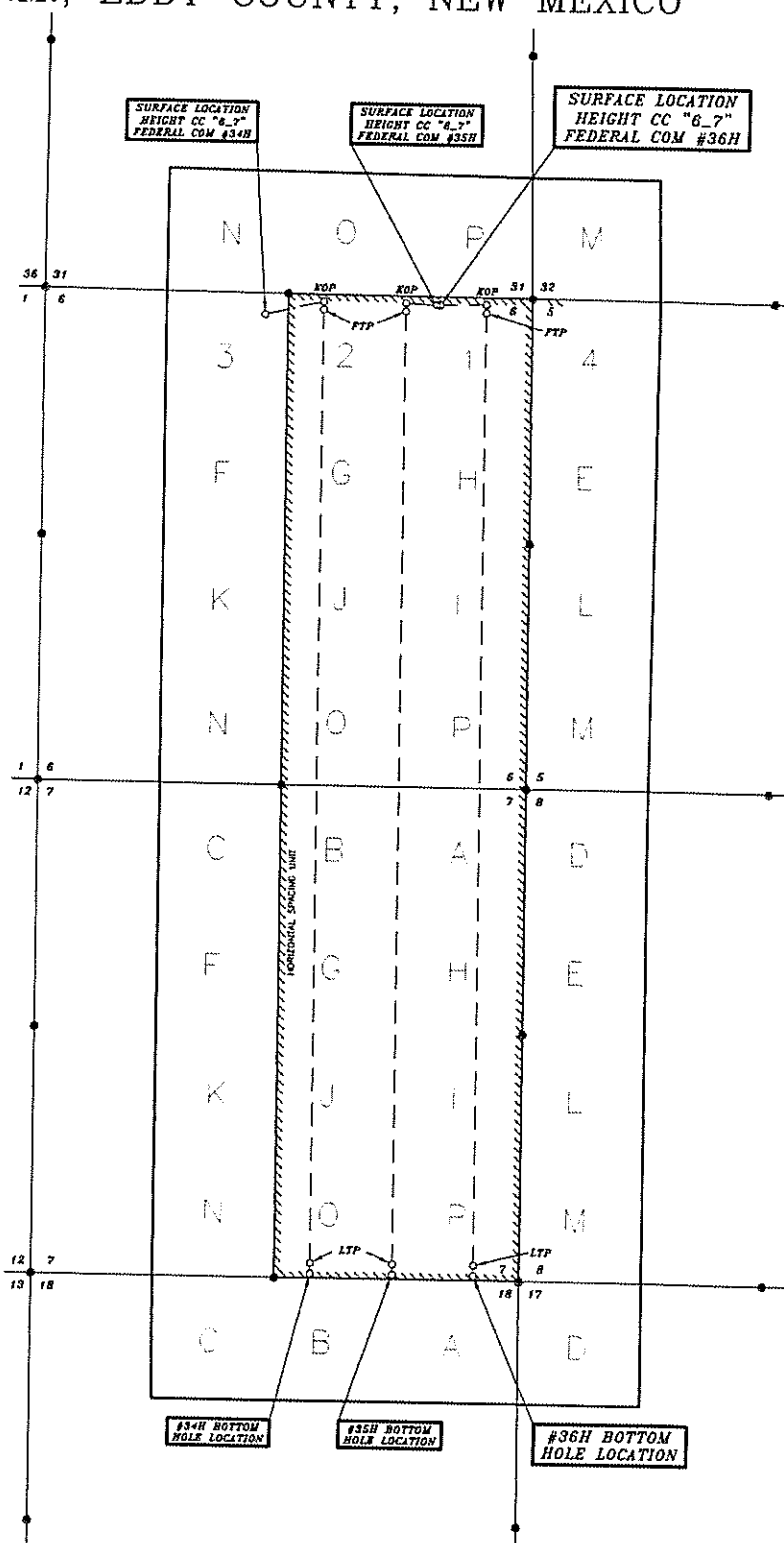
25. Signature (Electronic Submission)		Name (Printed/Typed) David Stewart / Ph: (713)366-5716	Date 08/17/2018
Title Sr. Regulatory Advisor			
Approved by (Signature)		Name (Printed/Typed)	Date
Title Office CARLSBAD			

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 #36H  
 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



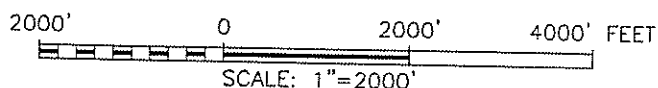
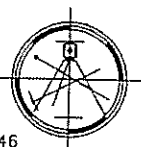
**SURVEYORS CERTIFICATE**

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* 12/5/2016  
 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., 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 36H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 2955.9'

**Surface Location**

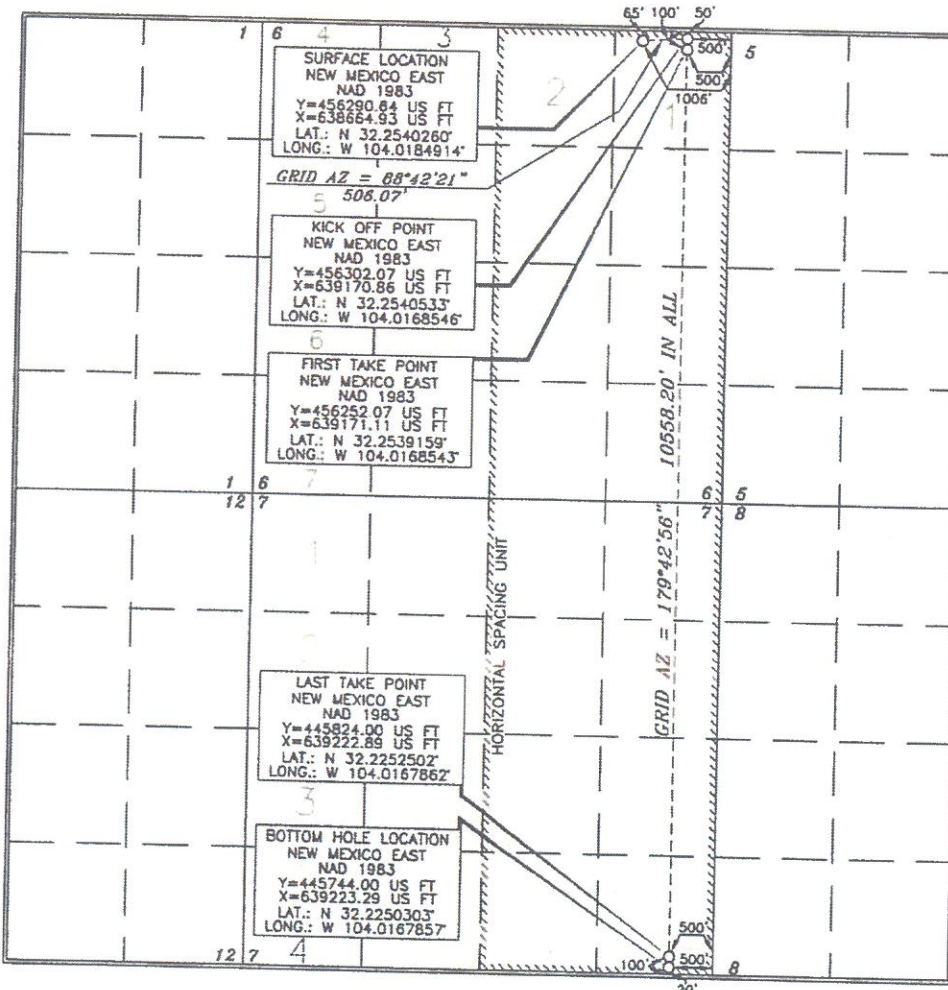
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
1	6	24 SOUTH	29 EAST, N.M.P.M.		65'	NORTH	1006'	EAST	EDDY

**Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	7	24 SOUTH	29 EAST, N.M.P.M.		20'	SOUTH	500'	EAST	EDDY

Dedicated Acres 640	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 field notes of actual 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 Title: *Terry J. Paul* PROFESSIONAL LAND SURVEYOR  
Certificate Number: 15079

Intent  As Drilled

API #  
30-015-

Operator Name: OXY USA INC.	Property Name: HEIGHT CC 6_7 FEDERAL COM	Well Number 36H
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Kick Off Point (KOP)

UL A	Section 6	Township 24S	Range 29E	Lot	Feet 50	From N/S FNL	Feet 500	From E/W FEL	County EDDY
Latitude 32.2540533					Longitude -104.0168546				NAD NAD83

First Take Point (FTP)

UL A	Section 6	Township 24S	Range 29E	Lot	Feet 100	From N/S FNL	Feet 500	From E/W FEL	County EDDY
Latitude 32.2539159					Longitude -104.0168543				NAD NAD83

Last Take Point (LTP)

UL P	Section 7	Township 24S	Range 29E	Lot	Feet 100	From N/S FSL	Feet 500	From E/W FEL	County EDDY
Latitude 32.2252502					Longitude -104.0167862				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
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KZ 06/29/2018

**Application Non-Standard Location - Service List**  
**OXY USA Inc.**  
**Height CC 6-7 Federal Com #36H**

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 0175

**T23S-R29E**

**Section 31 - Unit 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 0182

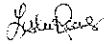
**T24S-R29E**

**Section 18 - Unit 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 0199

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



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Leslie Reeves, Regulatory Advisor  
OXY USA Inc.



POWERSOLE

WELL

FIELD

STRUCTURE

Height CC 6\_7 Fed Com 36H

Height CC 6\_7 Fed Com 36H

Height CC 6\_7 Fed Com 36H

**GRAVITY & MAGNETICS PARAMETERS**

Model: HDGM 2018  
 GRM: 0  
 Dip: 60.034°  
 Date: 07-Aug-18  
 Gravity FS: 989.471 mgn (0.80665 Shared)  
 FS: 47.992.013mT  
 MagDec: 7.132°

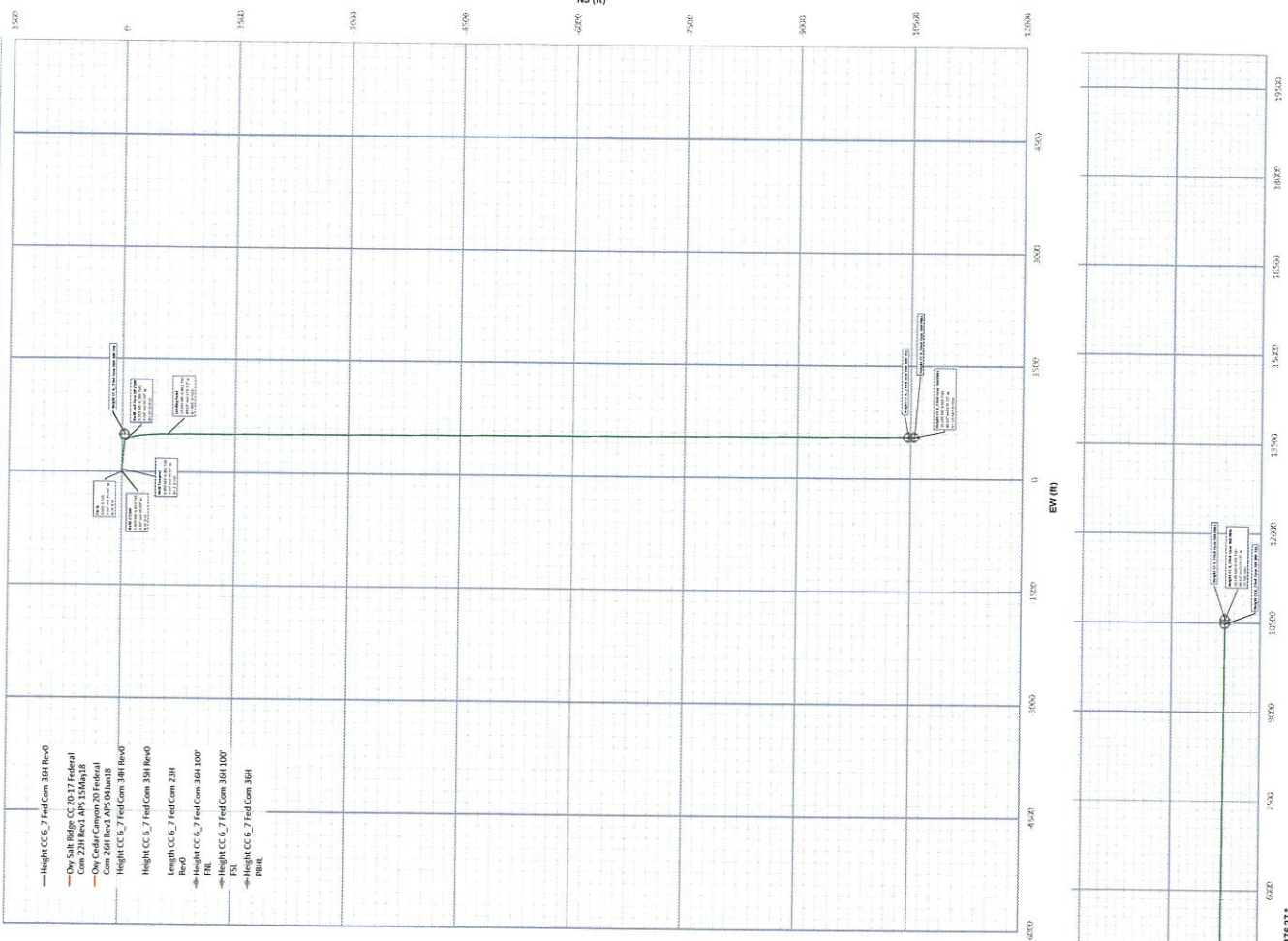
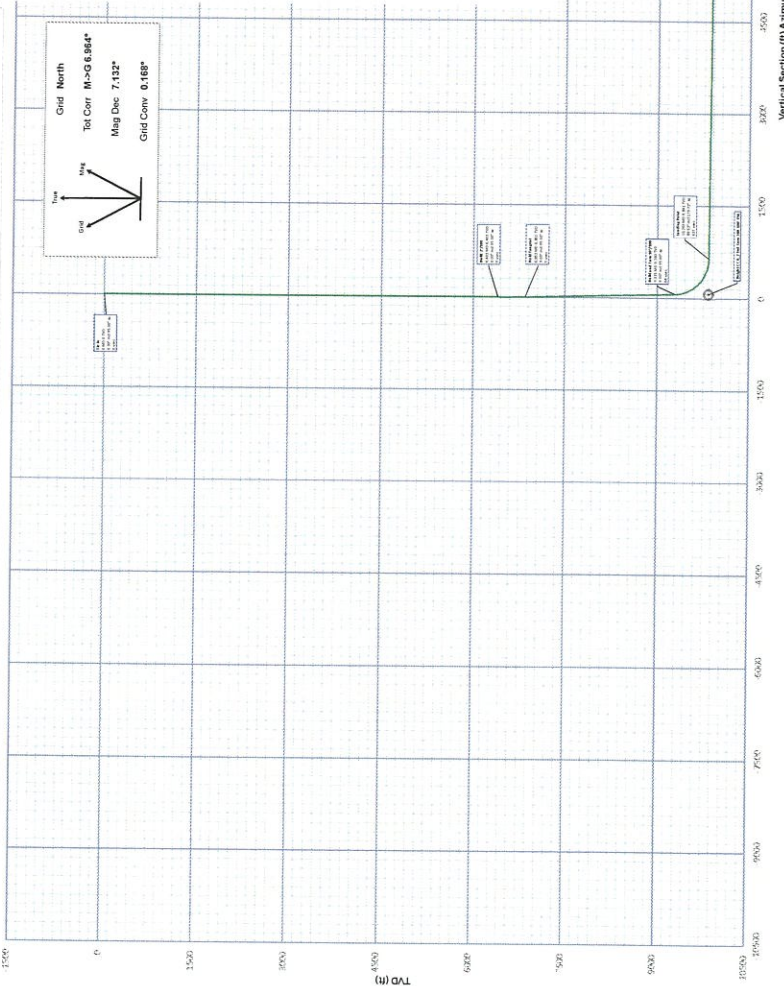
**SURFACE LOCATION**

NAD83 New Mexico State Plane, Eastern Zone, US Feet  
 Lat: N 32°16'14.40"  
 Northing: 456,296.63 NUS  
 Lon: W 104°11'6.57"  
 Easting: 635,664.93 NUS  
 Scale Fact: 0.99991994

**MISCELLANEOUS**

Slat  
 Plan: Height CC\_6\_7 Fed Com 36H Rev=0  
 TvRef: RKB

Critical Point	MD	Incl	Azim	TVD	VSEC	NS	EW	DLS
Tie in	0.00	0.00	95.00	0.00	0.00	0.00	0.00	0.00
Build 27/100	6.403.00	0.00	95.00	6.403.00	0.00	0.00	0.00	0.00
Hold Tangent	6.853.17	9.00	95.00	6.851.32	5.36	-3.08	35.16	2.00
Build and Turn 107/100	9.314.97	9.00	95.00	9.292.79	63.84	-36.65	418.95	0.00
Landing Point	10.203.05	89.63	179.72	9.840.67	637.31	-605.45	509.22	10.00
Height CC 6_7 Fed Com 36H PBHL	20.145.30	89.63	179.72	9.905.00	10.561.36	-10.547.37	558.60	0.00



Height CC 6\_7 Fed Com 36H Rev0 Proposal Geodetic Report



(Non-Def Plan)

Report Date: August 07, 2018 - 05:25 PM (UTC 0)  
 Client: OXY  
 Field: Cedar Canyon  
 Structure / Slot: Height CC 6\_7 Fed Com 36H  
 Well: Height CC 6\_7 Fed Com 36H  
 Borehole: Height CC 6\_7 Fed Com 36H  
 UWI / API#: Unknown / Unknown  
 Plan Name: Height CC 6\_7 Fed Com 36H Rev0  
 Plan Date: August 07, 2018  
 Tort / AHD / DDI / ERD Ratio: 97.811 \* / 10949.761 R / 6.338 / 1.105  
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet  
 Location Lat / Long: N 32°15'14.49347", W 104°16'56886"  
 Location Grid N/E Y/X: N 456290.630 RUS , E 638664.930 RUS  
 CRS Grid Convergence Angle: 0.168°  
 Grid Scale Factor: 0.99991994  
 Engine Version: 2018.8.0.1

Survey / DLS Computation: Minimum Curvature / Lubinski  
 Vertical Section Azimuth: 176.268 \*(GRID North)  
 Vertical Section Origin: 0.000 ft, 0.000 ft  
 TVD Reference Datum: RKB  
 TVD Reference Elevation: 2982.400 ft above MSL  
 Seabed / Ground Elevation: 2955.900 ft above MSL  
 Magnetic Declination: 7.132°  
 Total Gravity Field Strength: 998.4714mgn (9.80665 Based)  
 Gravity Model: GARM  
 Total Magnetic Field Strength: 47992.013 nT  
 Magnetic Dip Angle: 60.034°  
 Declination Date: August 07, 2018  
 Magnetic Declination Model: HDGM 2018  
 North Reference: GRID  
 Total Corr Mag: 6.9642°  
 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	95.00	0.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	100.00	0.00	95.00	100.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	200.00	0.00	95.00	200.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	300.00	0.00	95.00	300.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	400.00	0.00	95.00	400.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	500.00	0.00	95.00	500.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	600.00	0.00	95.00	600.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	700.00	0.00	95.00	700.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	800.00	0.00	95.00	800.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	900.00	0.00	95.00	900.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	1,000.00	0.00	95.00	1,000.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	1,100.00	0.00	95.00	1,100.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	1,200.00	0.00	95.00	1,200.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	1,300.00	0.00	95.00	1,300.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	1,400.00	0.00	95.00	1,400.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	1,500.00	0.00	95.00	1,500.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	1,600.00	0.00	95.00	1,600.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	1,700.00	0.00	95.00	1,700.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	1,800.00	0.00	95.00	1,800.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	1,900.00	0.00	95.00	1,900.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	2,000.00	0.00	95.00	2,000.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	2,100.00	0.00	95.00	2,100.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	2,200.00	0.00	95.00	2,200.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	2,300.00	0.00	95.00	2,300.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	2,400.00	0.00	95.00	2,400.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	2,500.00	0.00	95.00	2,500.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	2,600.00	0.00	95.00	2,600.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	2,700.00	0.00	95.00	2,700.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	2,800.00	0.00	95.00	2,800.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	2,900.00	0.00	95.00	2,900.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	3,000.00	0.00	95.00	3,000.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	3,100.00	0.00	95.00	3,100.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	3,200.00	0.00	95.00	3,200.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	3,300.00	0.00	95.00	3,300.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	3,400.00	0.00	95.00	3,400.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	3,500.00	0.00	95.00	3,500.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	3,600.00	0.00	95.00	3,600.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	3,700.00	0.00	95.00	3,700.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	3,800.00	0.00	95.00	3,800.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	3,900.00	0.00	95.00	3,900.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	4,000.00	0.00	95.00	4,000.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	4,100.00	0.00	95.00	4,100.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	4,200.00	0.00	95.00	4,200.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	4,300.00	0.00	95.00	4,300.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	4,400.00	0.00	95.00	4,400.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	4,500.00	0.00	95.00	4,500.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	4,600.00	0.00	95.00	4,600.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	4,700.00	0.00	95.00	4,700.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	4,800.00	0.00	95.00	4,800.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	4,900.00	0.00	95.00	4,900.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	5,000.00	0.00	95.00	5,000.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	5,100.00	0.00	95.00	5,100.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	5,200.00	0.00	95.00	5,200.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	5,300.00	0.00	95.00	5,300.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	5,400.00	0.00	95.00	5,400.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	5,500.00	0.00	95.00	5,500.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	5,600.00	0.00	95.00	5,600.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	5,700.00	0.00	95.00	5,700.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	5,800.00	0.00	95.00	5,800.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	5,900.00	0.00	95.00	5,900.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	6,000.00	0.00	95.00	6,000.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	6,100.00	0.00	95.00	6,100.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	6,200.00	0.00	95.00	6,200.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	6,300.00	0.00	95.00	6,300.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	6,400.00	0.00	95.00	6,400.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
Build 2*/100	6,403.00	0.00	95.00	6,403.00	0.00	0.00	0.00	0.00	456,290.63	638,664.93	N 32°15'14.49"	W 104°16'57"
	6,500.00	1.94	95.00	6,499.98	0.25	-0.14	1.64	2.00	456,290.49	638,665.57	N 32°15'14.49"	W 104°16'56"
	6,600.00	3.94	95.00	6,599.84	1.03	-0.59	6.75	2				



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	89.63	179.72	9,893.71	8,619.25	-8,802.12	549.93	0.00	447,489.23	639,214.81	N 32°13'47.38"	W 104°10'47"
	18,500.00	89.63	179.72	9,894.35	8,918.07	-8,902.12	550.42	0.00	447,389.24	639,215.31	N 32°13'46.39"	W 104°10'47"
	18,600.00	89.63	179.72	9,895.00	9,018.89	-9,002.12	550.92	0.00	447,289.25	639,215.81	N 32°13'45.40"	W 104°10'46"
	18,700.00	89.63	179.72	9,895.65	9,118.70	-9,102.11	551.42	0.00	447,189.26	639,216.30	N 32°13'44.41"	W 104°10'46"
	18,800.00	89.63	179.72	9,896.30	9,218.52	-9,202.11	551.91	0.00	447,089.28	639,216.80	N 32°13'43.42"	W 104°10'46"
	18,900.00	89.63	179.72	9,896.94	9,318.34	-9,302.11	552.41	0.00	446,989.29	639,217.30	N 32°13'42.43"	W 104°10'46"
	19,000.00	89.63	179.72	9,897.59	9,418.15	-9,402.10	552.91	0.00	446,889.30	639,217.79	N 32°13'41.44"	W 104°10'45"
	19,100.00	89.63	179.72	9,898.24	9,517.97	-9,502.10	553.40	0.00	446,789.31	639,218.29	N 32°13'40.45"	W 104°10'45"
	19,200.00	89.63	179.72	9,898.88	9,617.79	-9,602.10	553.90	0.00	446,689.32	639,218.79	N 32°13'39.46"	W 104°10'45"
	19,300.00	89.63	179.72	9,899.53	9,717.60	-9,702.09	554.40	0.00	446,589.33	639,219.28	N 32°13'38.47"	W 104°10'44"
	19,400.00	89.63	179.72	9,900.18	9,817.42	-9,802.09	554.89	0.00	446,489.35	639,219.78	N 32°13'37.48"	W 104°10'44"
	19,500.00	89.63	179.72	9,900.82	9,917.24	-9,902.09	555.39	0.00	446,389.36	639,220.28	N 32°13'36.50"	W 104°10'44"
	19,600.00	89.63	179.72	9,901.47	10,017.06	-10,002.08	555.89	0.00	446,289.37	639,220.77	N 32°13'35.51"	W 104°10'44"
	19,700.00	89.63	179.72	9,902.12	10,116.87	-10,102.08	556.38	0.00	446,189.38	639,221.27	N 32°13'34.52"	W 104°10'44"
	19,800.00	89.63	179.72	9,902.77	10,216.69	-10,202.08	556.88	0.00	446,089.39	639,221.77	N 32°13'33.53"	W 104°10'43"
	19,900.00	89.63	179.72	9,903.41	10,316.51	-10,302.07	557.38	0.00	445,989.40	639,222.26	N 32°13'32.54"	W 104°10'43"
	20,000.00	89.63	179.72	9,904.06	10,416.32	-10,402.07	557.87	0.00	445,889.41	639,222.76	N 32°13'31.55"	W 104°10'43"
	20,100.00	89.63	179.72	9,904.71	10,516.14	-10,502.07	558.37	0.00	445,789.43	639,223.26	N 32°13'30.56"	W 104°10'43"
Height CC 6_7 Fed Com 36H PBHL	20,145.30	89.63	179.72	9,905.00	10,561.36	-10,547.37	558.60	0.00	445,744.13	639,223.48	N 32°13'30.11"	W 104°10'43"

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	3,482.400	1/100.000	14.750			NAL_MWD_2_0_DEG	Height CC 6_7 Fed Com 36H / Height CC 6_7 Fed Com 36H Rev0
	1	3,482.400	20,145.301	1/100.000	9.875			NAL_MWD_2_0_DEG	Height CC 6_7 Fed Com 36H / Height CC 6_7 Fed Com 36H 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 36H  
SESE Section 31 and NENE 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 36H 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 that reads "Jennifer James". The signature is written in a cursive, flowing style.

Jennifer James  
Development Engineer

## **Lowe, Leonard, EMNRD**

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**From:** Reeves, Leslie T <Leslie\_Reeves@oxy.com>  
**Sent:** Thursday, December 13, 2018 11:27 AM  
**To:** Lowe, Leonard, EMNRD  
**Cc:** Morris, Justin C; Stewart, David R; Reeves, Leslie T  
**Subject:** [EXT] Height CC 6-7 Federal Com 36H - NSL Application for Approval  
**Attachments:** Height CC 6-7 Federal Com 36H - NSL Application AsFiled 12-13-18.pdf

Hi Leonard- (LAST ONE TODAY!)

Please find the attached NSL application for the Height CC 6-7 Federal Com 36H. 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! Hope you have a good rest of the week and weekend!!  
Sorry for bombarding your email!

**Leslie T. Reeves**

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

## **Lowe, Leonard, EMNRD**

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**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**