

Oilfield Services, Central U.S. Land  
Schlumberger Drilling and Measurements  
Drilling Group  
Geo Market Area: South West Texas Basin  
7220 W I-H 20  
Midland, Texas 79706  
Phone : (432) 742-5400 (Main)  
Fax : (432) 742-5606 (Shared)

# Schlumberger

May 17, 2019

Oxy USA Incorporated  
5 Greenway Plaza, Suite 110  
Houston TX 77046

RECEIVED  
AUG 16 2019  
DISTRICT II-ARTESIA O.C.D.

SEC6, T24S, R29E, EDDY NM  
32.25362 104.02462

Re:

CLIENT: Oxy USA Incorporated  
WELL: Height CC 6-7 Federal Com 34H  
FIELD: Purple Sage Wolfcamp

RIG: H&P 636  
COUNTY: Eddy  
API NO: 30-015-45562  
JOB NO: 19MLH0103

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).  
Other information required by your office is as follows.

| <u>Name &amp; Title of<br/>Surveyor</u> | <u>Drainhole Number</u>                           | <u>Surveyed Depths</u>      | <u>Dates Performed</u>          | <u>Type of Survey</u>              |
|-----------------------------------------|---------------------------------------------------|-----------------------------|---------------------------------|------------------------------------|
| J. Estrada<br>FS                        | Height CC 6-7 Federal<br>Com 34H<br>Original Hole | 471.00 Ft to<br>19938.00 Ft | April 4, 2019 to<br>May 2, 2019 | SlimPulse<br>Third Party Corrected |

If any other information is required, please contact the undersigned at the above letterhead and phone number.  
Sincerely,

A. Salomon  
Field Service Manager

Schlumberger-Private

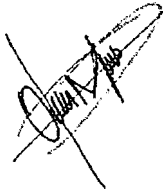
Oilfield Services, Central U.S. Land  
Schlumberger Drilling and Measurements  
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**Schlumberger**

Well Reference:  
SEC6, T24S, R29E, EDDY NM  
32.25362 104.02462

I, J. Estrada certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of April 04, 2019 through May 02, 2019, conduct or supervise the taking of the SlimPulse & Third Party Corrected surveys from a depth of 471.00 feet to a depth of 19938.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Oxy USA Incorporated for the Height CC 6-7 Federal Com 34H Well (Original Hole) API No. 30-015-45562 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By  
J. Estrada  
FS



Subscribed and Sworn to before me this 17<sup>th</sup> day of May (month) 2019 (yr)

My Commission expires:

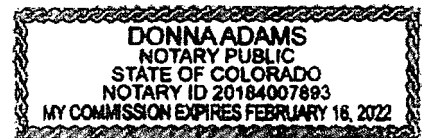
2-16-2022

D. Adams

Notary Public

(signature)

Adams County Colorado  
(County State)



# Oxy Height CC 6-7 Federal Com 34H Gyro + MWD 0-19983' Survey Geodetic Report (Def Survey)



Report Date: May 03, 2019 - 10:40 AM  
Client: OXY  
Field: NM Eddy County (NAD 83)  
Structure / Slot: Oxy Height CC 6-7 Federal Com 34H / Oxy Height CC 6-7 Federal Com 34H  
Well: Oxy Height CC 6-7 Federal Com 34H  
Borehole: Original Borehole  
UWI / API#: Unknown / 30-015-45562  
Survey Name: Oxy Height CC 6-7 Federal Com 34H Gyro + MWD 0-19983'  
Survey Date: March 22, 2019  
Tort / AHD / DDI / ERD Ratio: 223.566' / 10963.795 ft / 6.693' / 1.103  
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet  
Location Lat / Long: N 32° 15' 13.04785", W 104° 1' 28.61847"  
Location Grid N/E Y/X: N 456139.050 NUS, E 636772.120 NUS  
CRS Grid Convergence Angle: 0.1648°  
Grid Scale Factor: 0.99991952  
Version / Patch: 2.10.760.0

Survey / DLS Computation: Minimum Curvature / Lubinski  
Vertical Section Azimuth: 176.106° (Grid North)  
Vertical Section Origin: 0.000 ft, 0.000 ft  
TVD Reference Datum: RKB=26.5'  
TVD Reference Elevation: 2984.900 ft above MSL  
Seabed / Ground Elevation: 2958.400 ft above MSL  
Magnetic Declination: 7.041°  
Total Gravity Field Strength: 998.4714 mgn (9.80665 Based)  
Gravity Model: GARM  
Total Magnetic Field Strength: 47927.000 nT  
Magnetic Dip Angle: 60.023°  
Declination Date: April 22, 2019  
Magnetic Declination Model: IFR1  
North Reference: Grid North  
Grid Convergence Used: 0.1648°  
Total Corr Mag North->Grid: 6.8762°  
North: Well Head  
Local Coord Referenced To: Well Head

| Comments  | MD<br>(ft) | Incl<br>(°) | Azim Grid<br>(°) | TVD<br>(ft) | VSEC<br>(ft) | NS<br>(ft) | EW<br>(ft) | DLS<br>(ft/100ft) | Northing<br>(ftUS) | Easting<br>(ftUS) | Latitude<br>(N/S ° ' ") | Longitude<br>(E/W ° ' ") |
|-----------|------------|-------------|------------------|-------------|--------------|------------|------------|-------------------|--------------------|-------------------|-------------------------|--------------------------|
| RKB       | 0.00       | 0.00        | 80.00            | 0.00        | 0.00         | 0.00       | 0.00       | N/A               | 456139.05          | 636772.12         | N 32 15 13.05 W 104     | 1 28 62                  |
| SHL       | 26.50      | 0.00        | 0.00             | 26.50       | 0.00         | 0.00       | 0.00       | 0.00              | 456139.05          | 636772.12         | N 32 15 13.05 W 104     | 1 28 62                  |
|           | 117.80     | 0.39        | 221.15           | 117.80      | 0.22         | -0.23      | -0.20      | 0.43              | 456138.82          | 636771.92         | N 32 15 13.05 W 104     | 1 28 62                  |
|           | 162.80     | 0.45        | 156.20           | 162.80      | 0.49         | -0.51      | -0.23      | 1.01              | 456138.54          | 636771.89         | N 32 15 13.04 W 104     | 1 28 62                  |
|           | 250.00     | 0.53        | 146.44           | 250.00      | 1.17         | -1.16      | 0.13       | 0.13              | 456137.89          | 636772.25         | N 32 15 13.04 W 104     | 1 28 62                  |
| Last Gyro | 339.90     | 0.47        | 165.74           | 339.99      | 1.89         | -1.86      | 0.45       | 0.20              | 456137.19          | 636772.57         | N 32 15 13.03 W 104     | 1 28 61                  |
|           | 434.50     | 0.41        | 204.09           | 434.49      | 2.57         | -2.55      | 0.41       | 0.31              | 456136.50          | 636772.53         | N 32 15 13.02 W 104     | 1 28 61                  |
|           | 471.00     | 0.29        | 180.49           | 470.99      | 2.78         | -2.76      | 0.35       | 0.51              | 456136.29          | 636772.47         | N 32 15 13.02 W 104     | 1 28 61                  |
|           | 565.00     | 0.27        | 205.15           | 564.99      | 3.21         | -3.20      | 0.26       | 0.13              | 456135.85          | 636772.38         | N 32 15 13.02 W 104     | 1 28 61                  |
|           | 659.00     | 0.10        | 51.86            | 658.99      | 3.36         | -3.35      | 0.23       | 0.39              | 456135.70          | 636772.35         | N 32 15 13.01 W 104     | 1 28 61                  |
|           | 840.00     | 0.16        | 147.89           | 839.99      | 3.49         | -3.47      | 0.48       | 0.11              | 456135.58          | 636772.60         | N 32 15 13.01 W 104     | 1 28 61                  |
|           | 934.00     | 0.22        | 318.59           | 933.99      | 3.46         | -3.44      | 0.43       | 0.40              | 456135.61          | 636772.55         | N 32 15 13.01 W 104     | 1 28 61                  |
|           | 1028.00    | 0.43        | 332.71           | 1027.99     | 3.00         | -2.99      | 0.15       | 0.24              | 456136.06          | 636772.27         | N 32 15 13.02 W 104     | 1 28 61                  |
|           | 1122.00    | 0.66        | 340.02           | 1121.98     | 2.15         | -2.17      | -0.19      | 0.26              | 456136.88          | 636771.93         | N 32 15 13.03 W 104     | 1 28 62                  |
|           | 1216.00    | 0.08        | 34.47            | 1215.98     | 1.58         | -1.61      | -0.34      | 0.66              | 456137.44          | 636771.78         | N 32 15 13.03 W 104     | 1 28 62                  |
|           | 1310.00    | 0.11        | 290.57           | 1309.98     | 1.49         | -1.52      | -0.39      | 0.16              | 456137.53          | 636771.73         | N 32 15 13.03 W 104     | 1 28 62                  |
|           | 1404.00    | 0.28        | 340.74           | 1403.98     | 1.23         | -1.27      | -0.55      | 0.24              | 456137.78          | 636771.57         | N 32 15 13.04 W 104     | 1 28 62                  |
|           | 1499.00    | 0.16        | 42.81            | 1498.98     | 0.92         | -0.96      | -0.54      | 0.26              | 456138.09          | 636771.58         | N 32 15 13.04 W 104     | 1 28 62                  |
|           | 1592.00    | 0.05        | 59.04            | 1591.98     | 0.81         | -0.84      | -0.41      | 0.12              | 456138.21          | 636771.71         | N 32 15 13.04 W 104     | 1 28 62                  |
|           | 1688.00    | 0.01        | 130.55           | 1687.98     | 0.80         | -0.82      | -0.37      | 0.05              | 456138.23          | 636771.75         | N 32 15 13.04 W 104     | 1 28 62                  |
|           | 1782.00    | 0.07        | 72.61            | 1781.98     | 0.79         | -0.81      | -0.31      | 0.07              | 456138.24          | 636771.81         | N 32 15 13.04 W 104     | 1 28 62                  |
|           | 1876.00    | 0.08        | 241.51           | 1875.98     | 0.80         | -0.83      | -0.31      | 0.16              | 456138.22          | 636771.81         | N 32 15 13.04 W 104     | 1 28 62                  |
|           | 1971.00    | 0.11        | 255.64           | 1970.98     | 0.85         | -0.88      | -0.46      | 0.04              | 456138.17          | 636771.66         | N 32 15 13.04 W 104     | 1 28 62                  |
|           | 2065.00    | 0.04        | 228.30           | 2064.98     | 0.88         | -0.93      | -0.57      | 0.08              | 456138.12          | 636771.55         | N 32 15 13.04 W 104     | 1 28 62                  |
|           | 2254.00    | 0.33        | 188.05           | 2253.98     | 1.46         | -1.51      | -0.70      | 0.16              | 456137.54          | 636771.42         | N 32 15 13.03 W 104     | 1 28 62                  |
|           | 2348.00    | 1.23        | 210.44           | 2347.97     | 2.56         | -2.65      | -1.24      | 0.99              | 456136.40          | 636770.88         | N 32 15 13.02 W 104     | 1 28 63                  |
|           | 2442.00    | 1.65        | 222.21           | 2441.94     | 4.33         | -4.52      | -2.67      | 0.54              | 456134.53          | 636769.45         | N 32 15 13.00 W 104     | 1 28 65                  |
|           | 2538.00    | 2.23        | 227.71           | 2537.88     | 6.44         | -6.80      | -4.98      | 0.63              | 456132.25          | 636767.14         | N 32 15 12.98 W 104     | 1 28 67                  |
|           | 2633.00    | 0.79        | 231.98           | 2632.85     | 7.96         | -8.45      | -6.86      | 1.52              | 456130.61          | 636765.26         | N 32 15 12.96 W 104     | 1 28 70                  |
|           | 2728.00    | 0.05        | 273.24           | 2727.84     | 8.32         | -8.85      | -7.42      | 0.79              | 456130.20          | 636764.70         | N 32 15 12.96 W 104     | 1 28 70                  |
|           | 2917.00    | 0.09        | 324.17           | 2916.84     | 8.19         | -8.72      | -7.59      | 0.04              | 456130.33          | 636764.54         | N 32 15 12.96 W 104     | 1 28 71                  |
|           | 3012.00    | 0.11        | 248.42           | 3011.84     | 8.15         | -8.69      | -7.71      | 0.13              | 456130.36          | 636764.41         | N 32 15 12.96 W 104     | 1 28 71                  |
|           | 3106.00    | 0.09        | 21.94            | 3105.84     | 8.11         | -8.66      | -7.77      | 0.20              | 456130.39          | 636764.35         | N 32 15 12.96 W 104     | 1 28 71                  |
|           | 3201.00    | 0.08        | 51.74            | 3200.84     | 8.01         | -8.55      | -7.69      | 0.05              | 456130.50          | 636764.43         | N 32 15 12.96 W 104     | 1 28 71                  |
|           | 3296.00    | 0.04        | 341.65           | 3295.84     | 7.94         | -8.48      | -7.65      | 0.08              | 456130.57          | 636764.47         | N 32 15 12.96 W 104     | 1 28 71                  |
|           | 3390.00    | 0.06        | 41.24            | 3389.84     | 7.87         | -8.41      | -7.63      | 0.06              | 456130.64          | 636764.49         | N 32 15 12.96 W 104     | 1 28 71                  |
|           | 3486.00    | 0.09        | 356.91           | 3485.84     | 7.76         | -8.30      | -7.60      | 0.07              | 456130.76          | 636764.52         | N 32 15 12.97 W 104     | 1 28 71                  |
|           | 3681.00    | 0.11        | 284.36           | 3680.84     | 7.55         | -8.10      | -7.79      | 0.06              | 456130.95          | 636764.33         | N 32 15 12.97 W 104     | 1 28 71                  |
|           | 3775.00    | 0.09        | 139.66           | 3774.84     | 7.58         | -8.13      | -7.83      | 0.20              | 456130.92          | 636764.29         | N 32 15 12.97 W 104     | 1 28 71                  |
|           | 3870.00    | 0.06        | 69.83            | 3869.84     | 7.63         | -8.17      | -7.73      | 0.09              | 456130.88          | 636764.39         | N 32 15 12.97 W 104     | 1 28 71                  |
|           | 3964.00    | 0.08        | 100.86           | 3963.84     | 7.63         | -8.17      | -7.62      | 0.04              | 456130.89          | 636764.50         | N 32 15 12.97 W 104     | 1 28 71                  |
|           | 4059.00    | 0.15        | 145.32           | 4058.84     | 7.75         | -8.28      | -7.49      | 0.11              | 456130.77          | 636764.64         | N 32 15 12.97 W 104     | 1 28 70                  |
|           | 4153.00    | 0.08        | 3.19             | 4152.84     | 7.79         | -8.32      | -7.41      | 0.23              | 456130.74          | 636764.71         | N 32 15 12.97 W 104     | 1 28 70                  |
|           | 4248.00    | 0.09        | 96.52            | 4247.84     | 7.74         | -8.26      | -7.33      | 0.13              | 456130.79          | 636764.79         | N 32 15 12.97 W 104     | 1 28 70                  |
|           | 4342.00    | 0.11        | 315.66           | 4341.84     | 7.68         | -8.20      | -7.32      | 0.20              | 456130.85          | 636764.80         | N 32 15 12.97 W 104     | 1 28 70                  |
|           | 4438.00    | 0.08        | 268.23           | 4437.84     | 7.61         | -8.14      | -7.45      | 0.08              | 456130.92          | 636764.67         | N 32 15 12.97 W 104     | 1 28 70                  |
|           | 4532.00    | 0.12        | 107.34           | 4531.84     | 7.64         | -8.17      | -7.43      | 0.21              | 456130.88          | 636764.69         | N 32 15 12.97 W 104     | 1 28 70                  |
|           | 4627.00    | 0.08        | 179.59           | 4626.84     | 7.75         | -8.26      | -7.33      | 0.13              | 456130.79          | 636764.79         | N 32 15 12.97 W 104     | 1 28 70                  |
|           | 4721.00    | 0.12        | 6.12             | 4720.84     | 7.71         | -8.23      | -7.32      | 0.21              | 456130.82          | 636764.80         | N 32 15 12.97 W 104     | 1 28 70                  |
|           | 4816.00    | 0.11        | 235.25           | 4815.84     | 7.66         | -8.18      | -7.38      | 0.22              | 456130.87          | 636764.74         | N 32 15 12.97 W 104     | 1 28 70                  |
|           | 4910.00    | 0.08        | 139.11           | 4909.84     | 7.76         | -8.28      | -7.42      | 0.15              | 456130.77          | 636764.71         | N 32 15 12.97 W 104     | 1 28 70                  |
|           | 5011.00    | 0.09        | 48.29            | 5010.84     | 7.77         | -8.28      | -7.31      | 0.12              | 456130.77          | 636764.81         | N 32 15 12.97 W 104     | 1 28 70                  |
|           | 5105.00    | 0.12        | 296.11           | 5104.84     | 7.67         | -8.19      | -7.34      | 0.19              | 456130.86          | 636764.78         | N 32 15 12.97 W 104     | 1 28 70                  |
|           | 5200.00    | 0.04        | 314.93           | 5199.84     | 7.60         | -8.13      | -7.46      | 0.09              | 456130.93          | 636764.66         | N 32 15 12.97 W 104     | 1 28 70                  |
|           | 5294.00    | 0.25        | 265.19           | 5293.84     | 7.58         | -8.12      | -7.68      | 0.24              | 456130.93          | 636764.44         | N 32 15 12.97 W 104     | 1 28 71                  |
|           | 5390.00    | 0.50        | 53.02            | 5389.84     | 7.35         | -7.88      | -7.56      | 0.75              | 456131.17          | 636764.56         | N 32 15 12.97 W 104     | 1 28 70                  |
|           | 5484.00    | 1.09        | 46.27            | 5483.83     | 6.56         | -7.02      | -6.58      | 0.63              | 456132.03          | 636765.54         | N 32 15 12.98 W 104     | 1 28 69                  |
|           | 5579.00    | 1.84        | 42.40            | 5578.80     | 4.92         | -5.27      | -4.90      | 0.80              | 456133.78          | 636767.22         | N 32 15 13.00 W 104     | 1 28 67                  |
|           | 5673.00    | 2.55        | 47.76            | 5672.73     | 2.58         | -2.75      | -2.34      | 0.79              | 456136.30          | 636769.78         | N 32 15 13.02 W 104     | 1 28 64                  |
|           | 5767.00    | 3.41        | 45.32            | 5766.60     | -0.54        | 0.62       | 1.20       | 0.92              | 456139.67          | 636773.32         | N 32 15 13.05 W 104     | 1 28 60                  |
|           | 5862.00    | 4.49        | 49.27            | 5861.37     | -4.61        | 5.04       | 6.03       | 1.17              | 456144.09          | 636778.15         | N 32 15 13.10 W 104     | 1 28 55                  |
|           | 6050.00    | 5.59        | 65.53            | 6048.65     | -12.25       | 13.63      | 19.94      | 0.95              | 456152.68          | 636792.06         | N 32 15 13.18 W 104     | 1 28 38                  |
|           | 6145.00    | 6.60        | 68.66            | 6143.12     | -15.51       | 17.53      | 29.23      | 1.12              | 456156.58          | 636801.35         | N 32 15 13.22 W 104     | 1 28 28                  |
|           | 6239.00    | 7.17        | 74.49            | 6236.44     | -18.31       | 21.07      | 39.92      | 0.96              | 456160.12          | 636812.04         | N 32 15 13.26 W 104     | 1 28 15                  |
|           | 6335.00    | 8.31        | 77.86            | 6331.56     | -20.51       | 24.13      | 52.47      | 1.28              | 456163.18          | 636824.59         | N 32 15 13.29 W 104     | 1 28 00                  |
|           | 6429.00    | 8.75        | 77.76            | 6424.52     | -22.52       | 27.07      | 66.10      | 0.47              | 456166.12          | 636838.22         | N 32 15 13.31 W 104     | 1 27 85                  |
|           | 6524.00    | 8.92        | 76.00            | 6518.40     | -24.86       | 30.39      | 80.31      | 0.34              | 456169.44          | 636852.42         | N 32 15 13.35 W 104     | 1 27 68                  |
|           | 6618.00    | 9.36        | 74.97            | 6611.20     | -27.62       | 34.13      | 94.76      | 0.50              | 456173.18          | 636866.88         | N 32 15 13.38 W 104     | 1 27 51                  |
|           | 6807.00    | 10.15       | 70.19            | 6797.47     | -35.15       | 43.76      | 125.28     | 0.60              | 456182.81          | 636897.39         | N 32 15 13.48 W 104     | 1 27 16                  |
|           | 6901.00    | 10.61       | 69.95            | 6889.93     | -39.83       | 49.54      | 141.20     | 0.49              | 456188.58          | 636913.31         | N 32 15 13.53 W 104     | 1 26 37                  |
|           | 6995.00    | 10.31       | 66.80            | 6982.37     | -45.02       | 55.82      | 157.06     | 0.69              | 456194.86          | 636929.17         | N 32 15 13.60 W 104     | 1 26 79                  |
|           | 7090.00    | 10.45       | 65.34            | 7075.82     | -50.89       | 62.76      | 172.70     | 0.31              | 456201.81          | 636944.81         | N 32 15 13.66 W 104     | 1 26 50                  |
|           | 7280.00    | 9.93        | 69.27            | 7262.82     | -61.74       | 75.75      | 203.68     | 0.46              | 456214.79          | 636975.79         | N 32 15 13.79 W 104     | 1 26 24                  |
|           | 7374.00    | 10.26       | 71.09            | 7355.37     | -66.26       | 81.33      | 219.18     | 0.49              | 456220.37          | 636991.29         | N 32 15 13.85 W 104     | 1 26 06                  |
|           | 7468.00    | 10.38       | 71.84            | 7447.84     | -70.52       | 86.68      | 235.15     | 0.19              | 456225.73          | 637007.25         | N 32                    |                          |

| Comments              | MD<br>(ft) | Incl<br>(°) | Azim Grid<br>(°) | TVD<br>(ft) | VSEC<br>(ft) | NS<br>(ft) | EW<br>(ft) | DLS<br>(°/100ft) | Northing<br>(ftUS) | Easting<br>(ftUS) | Latitude<br>(N/S ° ' '') | Longitude<br>(E/W ° ' '') |
|-----------------------|------------|-------------|------------------|-------------|--------------|------------|------------|------------------|--------------------|-------------------|--------------------------|---------------------------|
|                       | 7944.00    | 10.90       | 76.20            | 7916.01     | -91.51       | 113.28     | 316.82     | 1.27             | 456252.32          | 637068.91         | N 32 15 14.16 W 104      | 124.92                    |
|                       | 8038.00    | 11.15       | 77.07            | 8008.28     | -94.46       | 117.44     | 334.31     | 0.32             | 456256.48          | 637106.40         | N 32 15 14.20 W 104      | 124.72                    |
|                       | 8132.00    | 11.43       | 72.43            | 8100.46     | -98.09       | 122.28     | 352.05     | 1.01             | 456261.32          | 637124.14         | N 32 15 14.32 W 104      | 124.31                    |
|                       | 8227.00    | 11.02       | 62.35            | 8193.65     | -103.98      | 129.34     | 369.06     | 2.11             | 456268.38          | 637141.15         | N 32 15 14.40 W 104      | 124.13                    |
|                       | 8321.00    | 11.01       | 63.47            | 8285.92     | -111.05      | 137.52     | 385.05     | 0.23             | 456276.55          | 637157.14         | N 32 15 14.47 W 104      | 123.94                    |
|                       | 8416.00    | 10.39       | 63.82            | 8379.27     | -117.79      | 145.35     | 400.86     | 0.66             | 456284.39          | 637172.94         | N 32 15 14.54 W 104      | 123.76                    |
|                       | 8510.00    | 10.34       | 66.57            | 8471.73     | -123.83      | 152.44     | 416.20     | 0.53             | 456291.48          | 637188.29         | N 32 15 14.61 W 104      | 123.58                    |
|                       | 8604.00    | 10.63       | 67.00            | 8564.16     | -129.49      | 159.18     | 431.93     | 0.32             | 456298.22          | 637204.01         | N 32 15 14.67 W 104      | 123.39                    |
|                       | 8698.00    | 10.68       | 69.53            | 8656.54     | -134.81      | 165.62     | 448.07     | 0.50             | 456304.65          | 637220.15         | N 32 15 14.73 W 104      | 123.21                    |
|                       | 8793.00    | 9.34        | 78.99            | 8750.10     | -138.28      | 170.17     | 463.88     | 2.23             | 456309.20          | 637235.96         | N 32 15 14.72 W 104      | 123.04                    |
|                       | 8887.00    | 8.65        | 88.76            | 8842.95     | -138.89      | 171.78     | 478.44     | 1.78             | 456310.81          | 637250.52         | N 32 15 14.73 W 104      | 122.87                    |
|                       | 8981.00    | 9.00        | 104.99           | 8935.85     | -136.19      | 170.03     | 492.61     | 2.67             | 456309.07          | 637264.69         | N 32 15 14.72 W 104      | 122.71                    |
|                       | 9075.00    | 8.96        | 116.19           | 9029.70     | -130.07      | 164.84     | 506.43     | 1.84             | 456303.88          | 637278.50         | N 32 15 14.66 W 104      | 122.57                    |
|                       | 9170.00    | 8.76        | 120.38           | 9122.57     | -122.37      | 157.99     | 519.17     | 0.72             | 456297.03          | 637291.25         | N 32 15 14.60 W 104      | 122.42                    |
|                       | 9265.00    | 9.18        | 126.02           | 9216.41     | -113.44      | 149.88     | 531.54     | 1.03             | 456288.91          | 637303.62         | N 32 15 14.52 W 104      | 122.27                    |
|                       | 9297.00    | 9.09        | 128.77           | 9248.01     | -110.09      | 146.79     | 535.58     | 1.39             | 456285.83          | 637307.65         | N 32 15 14.49 W 104      | 122.12                    |
|                       | 9362.00    | 11.47       | 131.15           | 9311.96     | -102.03      | 139.32     | 544.45     | 3.72             | 456278.36          | 637316.52         | N 32 15 14.41 W 104      | 122.27                    |
| 100' FNL Crossing     | 9429.46    | 20.93       | 132.52           | 9376.67     | -86.52       | 126.73     | 558.41     | 14.04            | 456265.77          | 637330.49         | N 32 15 14.29 W 104      | 122.11                    |
|                       | 9457.00    | 24.80       | 132.79           | 9402.04     | -80.75       | 119.48     | 566.28     | 14.04            | 456258.52          | 637338.35         | N 32 15 14.21 W 104      | 122.02                    |
|                       | 9552.00    | 32.30       | 142.93           | 9485.48     | -44.94       | 85.63      | 596.26     | 9.37             | 456224.67          | 637368.33         | N 32 15 13.88 W 104      | 121.67                    |
|                       | 9647.00    | 37.99       | 169.92           | 9563.60     | 5.72         | 36.25      | 616.82     | 17.28            | 456175.30          | 637388.89         | N 32 15 13.39 W 104      | 121.43                    |
|                       | 9741.00    | 45.57       | 176.67           | 9633.68     | 68.16        | -25.86     | 623.85     | 9.37             | 456113.19          | 637395.91         | N 32 15 12.77 W 104      | 121.35                    |
|                       | 9836.00    | 48.58       | 170.50           | 9698.40     | 137.58       | -94.90     | 631.70     | 5.71             | 456044.15          | 637403.77         | N 32 15 12.09 W 104      | 121.26                    |
|                       | 9930.00    | 55.49       | 170.51           | 9756.19     | 211.29       | -167.95    | 643.92     | 7.35             | 455971.11          | 637415.98         | N 32 15 11.37 W 104      | 121.12                    |
| Wolfcamp Intersection | 9933.19    | 55.64       | 170.70           | 9758.00     | 213.91       | -170.55    | 644.35     | 6.80             | 455968.51          | 637416.41         | N 32 15 11.34 W 104      | 121.12                    |
|                       | 10025.00   | 60.13       | 175.82           | 9806.82     | 291.52       | -247.72    | 653.38     | 6.80             | 455891.35          | 637425.45         | N 32 15 10.58 W 104      | 121.02                    |
|                       | 10120.00   | 59.84       | 179.02           | 9854.35     | 373.74       | -329.88    | 657.09     | 2.93             | 455809.19          | 637429.15         | N 32 15 9.76 W 104       | 120.98                    |
|                       | 10215.00   | 66.59       | 181.94           | 9897.14     | 458.24       | -414.63    | 656.31     | 7.62             | 455724.46          | 637428.38         | N 32 15 8.93 W 104       | 120.99                    |
|                       | 10309.00   | 81.59       | 181.35           | 9922.84     | 547.96       | -504.73    | 653.74     | 15.97            | 455634.36          | 637425.81         | N 32 15 8.03 W 104       | 121.02                    |
|                       | 10404.00   | 87.09       | 179.60           | 9932.20     | 642.18       | -599.22    | 652.97     | 6.07             | 455539.88          | 637425.03         | N 32 15 7.10 W 104       | 121.03                    |
|                       | 10437.00   | 86.45       | 178.10           | 9934.06     | 675.09       | -632.16    | 653.63     | 4.94             | 455506.94          | 637425.69         | N 32 15 6.77 W 104       | 121.03                    |
|                       | 10532.00   | 90.55       | 176.52           | 9936.55     | 770.01       | -727.00    | 658.09     | 4.62             | 455412.11          | 637430.15         | N 32 15 5.84 W 104       | 120.98                    |
|                       | 10627.00   | 91.34       | 177.50           | 9934.98     | 864.99       | -821.86    | 663.04     | 1.32             | 455317.26          | 637435.11         | N 32 15 4.90 W 104       | 120.92                    |
|                       | 10816.00   | 92.54       | 177.06           | 9928.58     | 1053.83      | -1010.53   | 672.00     | 0.68             | 455128.60          | 637444.07         | N 32 15 3.03 W 104       | 120.83                    |
|                       | 10911.00   | 93.09       | 177.74           | 9923.92     | 1148.69      | -1105.32   | 676.31     | 0.92             | 455033.82          | 637448.37         | N 32 15 2.09 W 104       | 120.78                    |
|                       | 11006.00   | 92.54       | 178.82           | 9919.25     | 1243.47      | -1200.18   | 678.33     | 2.26             | 454938.97          | 637450.39         | N 32 15 1.15 W 104       | 120.76                    |
|                       | 11100.00   | 91.72       | 180.44           | 9915.76     | 1337.17      | -1294.11   | 678.11     | 1.09             | 454845.04          | 637450.18         | N 32 15 0.22 W 104       | 120.76                    |
|                       | 11195.00   | 91.77       | 180.36           | 9913.36     | 1431.88      | -1389.08   | 677.45     | 0.59             | 454750.09          | 637449.52         | N 32 14 59.28 W 104      | 120.77                    |
|                       | 11289.00   | 90.65       | 180.67           | 9911.87     | 1525.59      | -1483.06   | 676.61     | 0.64             | 454656.11          | 637448.67         | N 32 14 58.35 W 104      | 120.79                    |
|                       | 11384.00   | 90.20       | 180.62           | 9911.03     | 1620.28      | -1578.05   | 675.54     | 0.48             | 454561.13          | 637447.60         | N 32 14 57.41 W 104      | 120.80                    |
|                       | 11479.00   | 89.96       | 180.87           | 9911.03     | 1714.97      | -1673.05   | 674.30     | 0.36             | 454466.14          | 637446.37         | N 32 14 56.47 W 104      | 120.82                    |
|                       | 11573.00   | 90.99       | 182.20           | 9910.25     | 1808.54      | -1767.01   | 671.78     | 1.79             | 454372.19          | 637443.85         | N 32 14 55.54 W 104      | 120.85                    |
|                       | 11668.00   | 90.10       | 180.71           | 9909.35     | 1903.12      | -1861.97   | 669.37     | 1.83             | 454277.24          | 637441.44         | N 32 14 54.60 W 104      | 120.88                    |
|                       | 11762.00   | 90.00       | 181.17           | 9909.27     | 1996.79      | -1955.95   | 667.83     | 0.50             | 454183.26          | 637439.90         | N 32 14 53.67 W 104      | 120.91                    |
|                       | 11857.00   | 89.96       | 181.25           | 9909.30     | 2091.41      | -2050.93   | 665.82     | 0.09             | 454088.29          | 637437.89         | N 32 14 52.73 W 104      | 120.93                    |
|                       | 11952.00   | 90.17       | 180.53           | 9909.19     | 2186.08      | -2145.92   | 664.35     | 0.79             | 453993.31          | 637436.41         | N 32 14 51.79 W 104      | 120.95                    |
|                       | 12047.00   | 90.07       | 180.93           | 9908.99     | 2280.77      | -2240.91   | 663.14     | 0.43             | 453898.32          | 637435.20         | N 32 14 50.85 W 104      | 120.97                    |
|                       | 12141.00   | 90.13       | 180.64           | 9908.83     | 2374.46      | -2334.90   | 661.85     | 0.32             | 453804.34          | 637433.92         | N 32 14 49.92 W 104      | 120.99                    |
|                       | 12236.00   | 90.17       | 181.12           | 9908.58     | 2469.13      | -2429.89   | 660.39     | 0.51             | 453709.36          | 637432.46         | N 32 14 48.99 W 104      | 121.01                    |
|                       | 12331.00   | 89.96       | 180.13           | 9908.47     | 2563.83      | -2524.89   | 659.36     | 1.07             | 453614.37          | 637431.42         | N 32 14 48.05 W 104      | 121.02                    |
|                       | 12426.00   | 89.96       | 179.02           | 9908.54     | 2658.65      | -2619.88   | 660.06     | 1.17             | 453519.39          | 637432.13         | N 32 14 47.11 W 104      | 121.02                    |
|                       | 12520.00   | 91.06       | 179.08           | 9907.70     | 2752.53      | -2713.86   | 661.62     | 1.17             | 453425.41          | 637433.68         | N 32 14 46.18 W 104      | 121.00                    |
|                       | 12611.00   | 91.76       | 178.52           | 9903.74     | 2843.30      | -2874.78   | 664.99     | 0.56             | 453264.51          | 637437.05         | N 32 14 44.58 W 104      | 120.97                    |
|                       | 12775.00   | 91.52       | 178.63           | 9901.05     | 3007.17      | -2968.71   | 667.33     | 0.28             | 453170.59          | 637439.39         | N 32 14 43.65 W 104      | 120.95                    |
|                       | 12870.00   | 91.00       | 178.42           | 9898.96     | 3102.02      | -3063.67   | 668.94     | 1.00             | 453075.63          | 637441.01         | N 32 14 42.71 W 104      | 120.93                    |
|                       | 12965.00   | 90.83       | 179.23           | 9897.44     | 3196.86      | -3158.65   | 670.06     | 0.27             | 452980.66          | 637442.13         | N 32 14 41.77 W 104      | 120.92                    |
|                       | 13060.00   | 90.48       | 180.38           | 9896.36     | 3291.66      | -3253.64   | 670.38     | 1.27             | 452885.67          | 637442.45         | N 32 14 40.83 W 104      | 120.92                    |
|                       | 13155.00   | 90.42       | 179.95           | 9895.61     | 3386.42      | -3348.64   | 670.11     | 0.46             | 452790.69          | 637442.18         | N 32 14 39.89 W 104      | 120.93                    |
|                       | 13249.00   | 89.90       | 180.31           | 9895.35     | 3480.18      | -3442.64   | 669.90     | 0.67             | 452696.69          | 637441.96         | N 32 14 38.96 W 104      | 120.93                    |
|                       | 13344.00   | 90.18       | 179.15           | 9895.28     | 3574.99      | -3537.64   | 670.34     | 1.26             | 452601.70          | 637442.41         | N 32 14 38.02 W 104      | 120.93                    |
|                       | 13439.00   | 90.28       | 178.74           | 9894.90     | 3669.87      | -3632.62   | 672.09     | 0.44             | 452506.73          | 637444.16         | N 32 14 37.08 W 104      | 120.91                    |
|                       | 13534.00   | 90.00       | 179.04           | 9894.67     | 3764.76      | -3727.60   | 673.93     | 0.43             | 452411.76          | 637446.00         | N 32 14 36.14 W 104      | 120.89                    |
|                       | 13628.00   | 91.38       | 180.10           | 9893.54     | 3858.58      | -3821.59   | 674.64     | 1.85             | 452317.78          | 637446.70         | N 32 14 35.21 W 104      | 120.89                    |
|                       | 13723.00   | 90.04       | 179.57           | 9892.36     | 3953.37      | -3916.58   | 674.91     | 1.52             | 452222.79          | 637446.98         | N 32 14 34.27 W 104      | 120.89                    |
|                       | 13818.00   | 90.35       | 179.33           | 9892.04     | 4048.21      | -4011.57   | 675.83     | 0.41             | 452127.81          | 637447.89         | N 32 14 33.33 W 104      | 120.88                    |
|                       | 13913.00   | 90.28       | 179.39           | 9891.51     | 4143.05      | -4106.57   | 676.89     | 0.10             | 452032.82          | 637448.95         | N 32 14 32.39 W 104      | 120.87                    |
|                       | 14008.00   | 89.83       | 179.92           | 9891.42     | 4237.87      | -4201.56   | 677.46     | 0.73             | 451937.83          | 637449.52         | N 32 14 31.45 W 104      | 120.87                    |
|                       | 14102.00   | 89.28       | 179.69           | 9892.15     | 4331.67      | -4295.56   | 677.78     | 0.63             | 451843.84          | 637449.84         | N 32 14 30.52 W 104      | 120.87                    |
|                       | 14197.00   | 89.45       | 179.68           | 9893.21     | 4426.48      | -4390.55   | 677.30     | 0.18             | 451748.86          | 637450.36         | N 32 14 29.58 W 104      | 120.87                    |
|                       | 14292.00   | 89.80       | 179.47           | 9893.83     | 4521.30      | -4485.55   | 679.01     | 0.43             | 451653.87          | 637451.07         | N 32 14 28.64 W 104      | 120.86                    |
|                       | 14387.00   | 89.97       | 180.14           | 9894.02     | 4616.10      | -4580.55   | 679.33     | 0.73             | 451558.88          | 637451.39         | N 32 14 27.70 W 104      | 120.86                    |
|                       | 14482.00   | 89.80       | 178.94           | 9894.21     | 4710.93      | -4675.54   | 680.09     | 1.28             | 451463.89          | 637452.16         | N 32 14 26.76 W 104      | 120.85                    |
|                       | 14576.00   | 89.73       | 179.38           | 9894.60     | 4804.80      | -4769.53   | 681.47     | 0.47             | 451369.91          | 637453.53         | N 32 14 25.83 W 104      | 120.84                    |
|                       | 14671.00   | 89.52       | 180.08           | 9895.22     | 4899.60      | -4864.53   | 682.92     | 0.77             | 451274.92          | 637453.98         | N 32 14 24.89 W 104      | 120.84                    |
|                       | 14766.00   | 89.25       | 179.65           | 9896.24     | 4994.39      | -4959.52   | 682.14     | 0.53             | 451179.94          | 637454.20         | N 32 14 23.95 W 104      | 120.84                    |
|                       | 14860.00   | 89.45       | 180.43           | 9897.30     | 5088.17      | -5053.51   | 682.08     | 0.86             | 451085.95          | 637454.14         | N 32 14 23.02 W 104      | 120.84                    |
|                       | 14955.00   | 90.86       | 180.99           | 9897.05     | 5182.86      | -5148.50   | 680.90     | 1.60             | 450990.97          | 637452.96         | N 32 14 22.08 W 104      | 120.86                    |
| </                    |            |             |                  |             |              |            |            |                  |                    |                   |                          |                           |

| Comments     | MD<br>(ft) | Incl<br>(°) | Azim Grid<br>(°) | TVD<br>(ft) | VSEC<br>(ft) | NS<br>(ft) | EW<br>(ft) | DLS<br>("/100ft) | Northing<br>(ftUS) | Easting<br>(ftUS) | Latitude<br>(N/S ° ' ") | Longitude<br>(E/W ° ' ") |
|--------------|------------|-------------|------------------|-------------|--------------|------------|------------|------------------|--------------------|-------------------|-------------------------|--------------------------|
|              | 18078.00   | 90.77       | 182.24           | 9898.07     | 8297.91      | -8270.93   | 678.38     | 0.81             | 447868.80          | 637450.44         | N 32 13 51.19           | W 104 1 21.00            |
|              | 18173.00   | 90.01       | 181.49           | 9897.42     | 8392.42      | -8365.88   | 675.29     | 1.12             | 447773.86          | 637447.35         | N 32 13 50.25           | W 104 1 21.04            |
|              | 18268.00   | 89.98       | 181.18           | 9897.43     | 8487.03      | -8460.85   | 673.07     | 0.33             | 447678.90          | 637445.14         | N 32 13 49.31           | W 104 1 21.06            |
|              | 18362.00   | 89.56       | 181.06           | 9897.81     | 8580.67      | -8554.83   | 671.24     | 0.46             | 447584.92          | 637443.30         | N 32 13 48.38           | W 104 1 21.09            |
|              | 18457.00   | 89.98       | 180.18           | 9898.19     | 8675.37      | -8649.83   | 670.21     | 1.03             | 447489.94          | 637442.27         | N 32 13 47.44           | W 104 1 21.10            |
|              | 18552.00   | 89.80       | 179.66           | 9898.37     | 8770.16      | -8744.82   | 670.34     | 0.58             | 447394.95          | 637442.41         | N 32 13 46.50           | W 104 1 21.11            |
|              | 18647.00   | 90.08       | 179.25           | 9898.47     | 8865.00      | -8839.82   | 671.24     | 0.52             | 447299.96          | 637443.31         | N 32 13 45.56           | W 104 1 21.08            |
|              | 18741.00   | 90.46       | 178.45           | 9898.03     | 8958.89      | -8933.80   | 673.13     | 0.94             | 447205.99          | 637445.20         | N 32 13 44.63           | W 104 1 21.05            |
|              | 18836.00   | 90.53       | 177.68           | 9897.21     | 9053.83      | -9028.74   | 676.34     | 0.81             | 447111.05          | 637448.40         | N 32 13 43.69           | W 104 1 21.05            |
|              | 18931.00   | 90.18       | 176.53           | 9896.62     | 9148.81      | -9123.62   | 681.14     | 1.27             | 447016.19          | 637453.20         | N 32 13 42.75           | W 104 1 20.99            |
|              | 19025.00   | 89.98       | 177.81           | 9896.49     | 9242.79      | -9217.50   | 685.78     | 1.38             | 446922.31          | 637457.84         | N 32 13 41.82           | W 104 1 20.94            |
|              | 19120.00   | 89.56       | 178.73           | 9896.87     | 9337.72      | -9312.45   | 688.65     | 1.06             | 446827.36          | 637460.71         | N 32 13 40.88           | W 104 1 20.91            |
|              | 19214.00   | 90.18       | 178.83           | 9897.08     | 9431.62      | -9406.43   | 690.65     | 0.67             | 446733.39          | 637462.71         | N 32 13 39.95           | W 104 1 20.89            |
|              | 19309.00   | 91.56       | 178.92           | 9895.64     | 9526.49      | -9501.40   | 692.51     | 1.46             | 446638.43          | 637464.58         | N 32 13 39.01           | W 104 1 20.87            |
|              | 19404.00   | 90.77       | 179.62           | 9893.71     | 9621.33      | -9596.37   | 693.72     | 1.11             | 446543.47          | 637465.79         | N 32 13 38.07           | W 104 1 20.86            |
|              | 19498.00   | 89.80       | 179.37           | 9893.24     | 9715.16      | -9690.37   | 694.55     | 1.07             | 446449.48          | 637466.61         | N 32 13 37.14           | W 104 1 20.86            |
|              | 19593.00   | 90.46       | 180.23           | 9893.03     | 9809.96      | -9785.36   | 694.88     | 1.14             | 446354.49          | 637466.95         | N 32 13 36.20           | W 104 1 20.85            |
|              | 19688.00   | 89.84       | 180.77           | 9892.78     | 9904.68      | -9880.36   | 694.05     | 0.87             | 446259.51          | 637466.12         | N 32 13 35.26           | W 104 1 20.87            |
|              | 19783.00   | 89.70       | 181.21           | 9893.16     | 9999.34      | -9975.34   | 692.41     | 0.49             | 446164.53          | 637464.47         | N 32 13 34.32           | W 104 1 20.89            |
|              | 19877.00   | 89.12       | 181.26           | 9894.13     | 10092.95     | -10069.32  | 690.39     | 0.62             | 446070.56          | 637462.45         | N 32 13 33.39           | W 104 1 20.92            |
| 340' FSL     | 19882.91   | 89.12       | 181.22           | 9894.22     | 10098.84     | -10075.22  | 690.26     | 0.54             | 446064.66          | 637462.32         | N 32 13 33.33           | W 104 1 20.92            |
| Crossing     |            |             |                  |             |              |            |            |                  |                    |                   |                         |                          |
| Last Survey  | 19938.00   | 89.15       | 180.87           | 9895.05     | 10153.72     | -10130.30  | 689.25     | 0.54             | 446009.59          | 637461.32         | N 32 13 32.79           | W 104 1 20.93            |
| Proj. to Bit | 19983.00   | 89.15       | 180.87           | 9895.72     | 10198.56     | -10175.29  | 688.57     | 0.00             | 445964.60          | 637460.63         | N 32 13 32.34           | W 104 1 20.94            |

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 \*\*\* 3-D 95.000% Confidence 2.7955 sigma  
Survey Program:

| Description | Part | MD From<br>(ft) | MD To<br>(ft) | EOU Freq<br>(ft) | Hole Size | Casing Diameter<br>(in) | Survey Tool Type         | Borehole / Survey                                                               |
|-------------|------|-----------------|---------------|------------------|-----------|-------------------------|--------------------------|---------------------------------------------------------------------------------|
|             | 1    | 0.000           | 26.500        | 1/98.425         | 30.000    | 30.000                  | NAL_NSG+MSHOT-Depth Only | Original Borehole / Oxy Height CC<br>6-7 Federal Com 34H Gyro +<br>MWD 0-19983' |
|             | 1    | 26.500          | 26.500        | Act Stns         | 30.000    | 30.000                  | NAL_NSG+MSHOT-Depth Only | Original Borehole / Oxy Height CC<br>6-7 Federal Com 34H Gyro +<br>MWD 0-19983' |
|             | 1    | 26.500          | 434.500       | Act Stns         | 30.000    | 30.000                  | NAL_NSG+MSHOT            | Original Borehole / Oxy Height CC<br>6-7 Federal Com 34H Gyro +                 |
|             | 1    | 434.500         | 19983.000     | Act Stns         | 30.000    | 30.000                  | NAL_MWD_IFR1+MS          | Original Borehole / Oxy Height CC<br>6-7 Federal Com 34H Gyro +                 |

...Original Borehole\Oxy Height CC 6-7 Federal Com 34H Gyro + MWD 0-19983'

State of New Mexico  
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham  
Governor

Sarah Cottrell Propst  
Cabinet Secretary

Todd E. Leahy, JD, PhD  
Deputy Cabinet Secretary

Gabriel Wade, Acting Director  
Oil Conservation Division



January 14, 2019

Ms. Leslie Reeves  
[LESLIE.REEVES@oxy.com](mailto:LESLIE.REEVES@oxy.com)

NON-STANDARD LOCATION

Administrative Order NSL-7796

Oxy USA, Inc. [OGRID 16696]  
Height CC 6 7 Federal Com Well No. 034H  
API No. 30-015-45562

**Proposed Location**

|                  | <u>Footages</u>    | <u>Unit/Lot</u> | <u>Sec.</u> | <u>Twsp</u> | <u>Range</u> | <u>County</u> |
|------------------|--------------------|-----------------|-------------|-------------|--------------|---------------|
| Surface          | 230 FNL & 2390 FWL | C/3             | 6           | 24S         | 29E          | Eddy          |
| First Take Point | 100 FNL & 2260 FEL | B/2             | 6           | 24S         | 29E          | Eddy          |
| Last Take Point  | 330 FSL & 2260 FEL | O/O             | 7           | 24S         | 29E          | Eddy          |
| Terminus         | 20 FSL & 2260 FEL  | O/O             | 7           | 24S         | 29E          | Eddy          |

**Proposed Horizontal Gas Units**

| <u>Description</u>                 | <u>Acres</u> | <u>Pool</u>                 | <u>Pool Code</u> |
|------------------------------------|--------------|-----------------------------|------------------|
| E2 of Section 6<br>E2 of Section 7 | 639.88       | Purple Sage; Wolfcamp (GAS) | 98220            |

This NSL application was initially protested on December 28, 2018. The protest was resolved between the parties.

Reference is made to your application received on December 13, 2018.

You have requested to complete this horizontal well as a gas well described above in the referenced pool or formation. This well is governed by special rules for the Purple Sage; Wolfcamp (Gas) Pool of and provides for 320-acre units, with wells located at least 330 feet from a unit outer boundary.

This well's completed interval is as close as 100 feet to the northern edge of the horizontal spacing unit. Encroachment will impact the following tracts.

Section 31 23S 29E, encroachment to the entire section

The Division understands you have given notice of this application to all operators or owners who are "affected persons," as defined in Paragraph (8) Subsection A of 19.15.2.7 NMAC, in all adjoining units towards which the proposed location encroaches

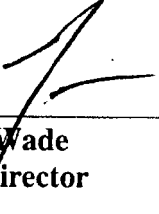
Division understands you seek this unorthodox location as an efficient spacing of your horizontal wells, thereby preventing waste within the Wolfcamp formation underlying the E2 of Section 6 and E2 of Section 7.

Your application has been filed under Subsection 6 of Paragraph of Section (C) of 19.15.16.15 NMAC, 19.15.15.13 NMAC and Paragraph (2) of Subsection A of 19.15.4.12 NMAC.

Per Subsection B of 19.15.15.13 NMAC, Division approves this unorthodox location.

The above approvals are subject to your following all other applicable Division rules.

Jurisdiction of this case is retained for the entry of further orders as Division deems necessary.



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**Gabriel Wade**  
**Acting Director**

GW/lrl

cc: Oil Conservation Division – Artesia District Office  
Bureau of Land Management – Carlsbad Field Office