

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

RECEIVED

September 24, 2018

OXY USA INC  
PO BOX 50250  
MIDLAND, TEXAS, 79710

NOV 26 2018

30-015-44947

DISTRICT II-ARTESIA O.C.D.

Re:

17, 24S, 29E, EDDY NM  
32.21831 104.01076

CLIENT: OXY USA INC  
WELL: Salt Ridge CC 20-17 Federal Com 23H  
FIELD: Corral Draw Bone Spring

RIG: HP636  
COUNTY: EDDY  
API NO: 30-015-44947  
JOB NO: 18MLD2970

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>  |
|-----------------------------------------|---------------------------------------------------------|-----------------------------|-----------------------------------|------------------------|
| T. Wetmore<br>FS                        | Salt Ridge CC 20-17<br>Federal Com 23H<br>Original Hole | 588.00 Ft to<br>16245.00 Ft | June 18, 2018 to<br>July 12, 2018 | TelePacer<br>SlimPulse |

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

J. Allen  
Field Service Manager

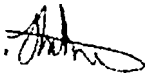
Oilfield Services, Central U.S. Land  
**Schlumberger Drilling and Measurements**  
Drilling Group  
Geo Market Area: South West Texas Basin  
7220 W I-H 20  
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# Schlumberger

Well Reference:  
17, 24S, 29E, EDDY NM  
32.21831 104.01076

I, T. Wetmore certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of June 18, 2018 through July 12, 2018, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 588.00 feet to a depth of 16245.00 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 INC for the Salt Ridge CC 20-17 Federal Com 23H Well (Original Hole) API No. 30-015-44947 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  
T. Wetmore  
FS



Subscribed and Sworn to before me this 24<sup>th</sup> day of September (month) 2018 (yr)

My Commission expires:

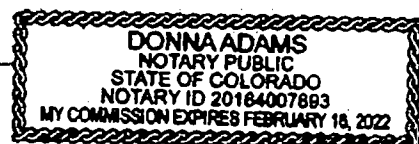
2-16-2022

Donna Adams

(signature)

Notary Public

Adams County Colorado  
(County State)



# Oxy Salt Ridge CC 20-17 Federal Com 23H Gyro+MWD(IFR1) 0-16,290'

## Survey Geodetic Report

(Def Survey)



Report Date: July 13, 2018 - 04:25 PM  
 Client: OXY  
 Field: NM Eddy County (NAD 83)  
 Structure / Slot: Oxy Salt Ridge CC 20-17 Federal Com 23H / Oxy Salt Ridge CC 20-17 Federal Com 23H  
 Well: Oxy Salt Ridge CC 20-17 Federal Com 23H  
 Borehole: Original Borehole  
 UWI / API#: Unknown / 30-015-44947  
 Survey Name: Oxy Salt Ridge CC 20-17 Federal Com 23H Gyro+MWD(IFR1) 0-16,290'  
 Survey Date: June 14, 2018  
 Tort / AHD / DDI / ERD Ratio: 260.544' / 8400.622 ft / 6.618 / 0.979  
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet  
 Location Lat / Long: N 32° 13' 5.94632", W 104° 0' 38.76570"  
 Location Grid N/E Y/X: N 443307 880 ftUS, E 641091.400 ftUS  
 CRS Grid Convergence Angle: 0.1720°  
 Grid Scale Factor: 0.99992049  
 Version / Patch: 2.10.740.0

Survey / DLS Computation: Minimum Curvature / Lubinski  
 Vertical Section Azimuth: 177.427° (Grid North)  
 Vertical Section Origin: 0 000 ft, 0.000 ft  
 TVD Reference Datum: RKB=26.5'  
 TVD Reference Elevation: 2960.400 ft above MSL  
 Seabed / Ground Elevation: 2933.900 ft above MSL  
 Magnetic Declination: 7.112°  
 Total Gravity Field Strength: 998.4689mgm (9.80665 Based)  
 Gravity Model: GARM  
 Total Magnetic Field Strength: 48002.286 nT  
 Magnetic Dip Angle: 59.999°  
 Declination Date: June 14, 2018  
 Magnetic Declination Model: HDGM 2018  
 North Reference: Grid North  
 Grid Convergence Used: 0.1720°  
 Total Corr Mag North->Grid North: 6.9404°  
 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>(°/100ft) | Northing<br>(ftUS) | Easting<br>(ftUS) | Latitude<br>(N/S ° ' '') | Longitude<br>(E/W ° ' '') |
|-----------|------------|-------------|------------------|-------------|--------------|------------|------------|------------------|--------------------|-------------------|--------------------------|---------------------------|
| RKB       | 0.00       | 0.00        | 0.00             | 0.00        | 0.00         | 0.00       | 0.00       | N/A              | 443307.88          | 641091.40         | N 32 13 5.95 W 104       | 0 38.77                   |
| SHL       | 26.50      | 0.00        | 0.00             | 26.50       | 0.00         | 0.00       | 0.00       | 0.00             | 443307.88          | 641091.40         | N 32 13 5.95 W 104       | 0 38.77                   |
|           | 112.50     | 0.27        | 154.04           | 112.50      | 0.19         | -0.18      | 0.09       | 0.31             | 443307.70          | 641091.49         | N 32 13 5.94 W 104       | 0 38.76                   |
|           | 173.50     | 0.27        | 83.24            | 173.50      | 0.31         | -0.29      | 0.29       | 0.51             | 443307.59          | 641091.69         | N 32 13 5.94 W 104       | 0 38.76                   |
|           | 235.50     | 0.42        | 92.59            | 235.50      | 0.32         | -0.29      | 0.67       | 0.26             | 443307.59          | 641092.07         | N 32 13 5.94 W 104       | 0 38.76                   |
|           | 289.50     | 0.09        | 78.52            | 289.50      | 0.33         | -0.29      | 0.91       | 0.62             | 443307.55          | 641092.31         | N 32 13 5.94 W 104       | 0 38.76                   |
|           | 352.50     | 0.19        | 61.01            | 352.50      | 0.27         | -0.23      | 1.05       | 0.17             | 443307.65          | 641092.45         | N 32 13 5.94 W 104       | 0 38.75                   |
|           | 415.50     | 0.16        | 54.28            | 415.50      | 0.18         | -0.13      | 1.21       | 0.06             | 443307.75          | 641092.61         | N 32 13 5.95 W 104       | 0 38.75                   |
|           | 478.50     | 0.19        | 66.61            | 478.50      | 0.09         | -0.03      | 1.38       | 0.08             | 443307.85          | 641092.78         | N 32 13 5.95 W 104       | 0 38.75                   |
| Last Gyro | 529.50     | 0.28        | 73.53            | 529.50      | 0.03         | 0.04       | 1.57       | 0.18             | 443307.92          | 641092.97         | N 32 13 5.95 W 104       | 0 38.75                   |
|           | 588.00     | 0.08        | 62.12            | 588.00      | -0.02        | 0.10       | 1.75       | 0.35             | 443307.98          | 641093.15         | N 32 13 5.95 W 104       | 0 38.75                   |
|           | 678.00     | 0.12        | 22.37            | 678.00      | -0.13        | 0.21       | 1.84       | 0.09             | 443308.09          | 641093.24         | N 32 13 5.95 W 104       | 0 38.74                   |
|           | 769.00     | 0.06        | 302.30           | 769.00      | -0.24        | 0.33       | 1.83       | 0.14             | 443308.21          | 641093.23         | N 32 13 5.95 W 104       | 0 38.74                   |
|           | 949.00     | 0.08        | 90.18            | 949.00      | -0.29        | 0.38       | 1.88       | 0.07             | 443308.26          | 641093.28         | N 32 13 5.95 W 104       | 0 38.74                   |
|           | 1040.00    | 0.08        | 145.71           | 1040.00     | -0.23        | 0.32       | 1.98       | 0.08             | 443308.20          | 641093.38         | N 32 13 5.95 W 104       | 0 38.74                   |
|           | 1222.00    | 0.06        | 265.80           | 1222.00     | -0.12        | 0.21       | 1.96       | 0.07             | 443308.09          | 641093.36         | N 32 13 5.95 W 104       | 0 38.74                   |
|           | 1318.00    | 0.06        | 342.34           | 1318.00     | -0.17        | 0.26       | 1.89       | 0.08             | 443308.14          | 641093.29         | N 32 13 5.95 W 104       | 0 38.74                   |
|           | 1412.00    | 0.06        | 268.47           | 1412.00     | -0.22        | 0.30       | 1.83       | 0.08             | 443308.18          | 641093.23         | N 32 13 5.95 W 104       | 0 38.74                   |
|           | 1507.00    | 0.08        | 285.47           | 1507.00     | -0.24        | 0.32       | 1.71       | 0.03             | 443308.20          | 641093.11         | N 32 13 5.95 W 104       | 0 38.75                   |
|           | 1602.00    | 0.06        | 187.74           | 1602.00     | -0.21        | 0.29       | 1.64       | 0.11             | 443308.17          | 641093.04         | N 32 13 5.95 W 104       | 0 38.75                   |
|           | 1697.00    | 0.08        | 354.96           | 1697.00     | -0.23        | 0.30       | 1.63       | 0.15             | 443308.18          | 641093.03         | N 32 13 5.95 W 104       | 0 38.75                   |
|           | 1792.00    | 0.11        | 35.57            | 1792.00     | -0.37        | 0.44       | 1.68       | 0.08             | 443308.32          | 641093.08         | N 32 13 5.95 W 104       | 0 38.75                   |
|           | 1982.00    | 0.13        | 356.96           | 1981.99     | -0.73        | 0.81       | 1.77       | 0.04             | 443308.69          | 641093.17         | N 32 13 5.95 W 104       | 0 38.75                   |
|           | 2077.00    | 0.06        | 335.42           | 2076.99     | -0.88        | 0.96       | 1.74       | 0.08             | 443308.84          | 641093.14         | N 32 13 5.96 W 104       | 0 38.75                   |
|           | 2171.00    | 0.06        | 342.28           | 2170.99     | -0.97        | 1.05       | 1.71       | 0.01             | 443308.93          | 641093.11         | N 32 13 5.96 W 104       | 0 38.75                   |
|           | 2361.00    | 0.06        | 112.28           | 2360.99     | -1.03        | 1.11       | 1.77       | 0.06             | 443308.99          | 641093.17         | N 32 13 5.96 W 104       | 0 38.75                   |
|           | 2456.00    | 0.08        | 56.55            | 2455.99     | -1.04        | 1.13       | 1.87       | 0.07             | 443309.01          | 641093.27         | N 32 13 5.96 W 104       | 0 38.74                   |
|           | 2551.00    | 0.00        | 228.39           | 2550.99     | -1.07        | 1.16       | 1.93       | 0.08             | 443309.04          | 641093.33         | N 32 13 5.96 W 104       | 0 38.74                   |
|           | 2640.00    | 0.05        | 14.36            | 2639.99     | -1.11        | 1.20       | 1.94       | 0.06             | 443309.08          | 641093.34         | N 32 13 5.96 W 104       | 0 38.74                   |
|           | 2735.00    | 0.05        | 231.76           | 2734.99     | -1.13        | 1.21       | 1.91       | 0.10             | 443309.09          | 641093.31         | N 32 13 5.96 W 104       | 0 38.74                   |
|           | 2830.00    | 0.05        | 300.62           | 2829.99     | -1.13        | 1.21       | 1.85       | 0.06             | 443309.09          | 641093.25         | N 32 13 5.96 W 104       | 0 38.74                   |
|           | 2925.00    | 0.03        | 206.44           | 2924.99     | -1.13        | 1.21       | 1.80       | 0.06             | 443309.09          | 641093.20         | N 32 13 5.96 W 104       | 0 38.74                   |
|           | 3020.00    | 0.05        | 45.87            | 3019.99     | -1.13        | 1.22       | 1.82       | 0.08             | 443309.10          | 641093.22         | N 32 13 5.96 W 104       | 0 38.74                   |
|           | 3114.00    | 0.05        | 163.54           | 3113.99     | -1.12        | 1.20       | 1.86       | 0.09             | 443309.08          | 641093.26         | N 32 13 5.96 W 104       | 0 38.74                   |
|           | 3209.00    | 0.05        | 260.01           | 3208.99     | -1.07        | 1.16       | 1.83       | 0.08             | 443309.04          | 641093.23         | N 32 13 5.96 W 104       | 0 38.74                   |
|           | 3304.00    | 0.05        | 22.84            | 3303.99     | -1.11        | 1.19       | 1.81       | 0.09             | 443309.07          | 641093.21         | N 32 13 5.96 W 104       | 0 38.74                   |
|           | 3399.00    | 0.05        | 284.63           | 3398.99     | -1.16        | 1.24       | 1.78       | 0.08             | 443309.12          | 641093.18         | N 32 13 5.96 W 104       | 0 38.74                   |
|           | 3494.00    | 0.05        | 135.61           | 3493.99     | -1.14        | 1.22       | 1.77       | 0.10             | 443309.10          | 641093.17         | N 32 13 5.96 W 104       | 0 38.75                   |
|           | 3684.00    | 0.03        | 228.63           | 3683.99     | -1.04        | 1.13       | 1.79       | 0.03             | 443309.01          | 641093.19         | N 32 13 5.96 W 104       | 0 38.74                   |
|           | 3874.00    | 0.10        | 228.85           | 3873.99     | -0.91        | 0.98       | 1.63       | 0.04             | 443308.86          | 641093.03         | N 32 13 5.96 W 104       | 0 38.75                   |
|           | 3969.00    | 0.05        | 238.41           | 3968.99     | -0.84        | 0.91       | 1.53       | 0.05             | 443308.79          | 641092.93         | N 32 13 5.96 W 104       | 0 38.75                   |
|           | 4158.00    | 1.08        | 174.46           | 4157.98     | 0.98         | -0.91      | 1.63       | 0.56             | 443306.97          | 641093.03         | N 32 13 5.94 W 104       | 0 38.75                   |
|           | 4348.00    | 3.63        | 167.35           | 4347.81     | 8.69         | -8.56      | 3.12       | 1.35             | 443299.32          | 641094.52         | N 32 13 5.86 W 104       | 0 38.73                   |
|           | 4538.00    | 5.85        | 162.70           | 4537.15     | 23.98        | -23.68     | 7.32       | 1.18             | 443284.21          | 641098.72         | N 32 13 5.71 W 104       | 0 38.68                   |
|           | 4633.00    | 6.79        | 154.65           | 4631.57     | 33.84        | -33.37     | 11.16      | 1.36             | 443274.51          | 641102.56         | N 32 13 5.62 W 104       | 0 38.64                   |
|           | 4823.00    | 6.95        | 144.89           | 4820.21     | 53.89        | -52.93     | 22.59      | 0.62             | 443254.96          | 641113.98         | N 32 13 5.42 W 104       | 0 38.50                   |
|           | 4918.00    | 6.76        | 141.47           | 4914.53     | 63.26        | -62.00     | 29.37      | 0.47             | 443245.88          | 641120.77         | N 32 13 5.33 W 104       | 0 38.43                   |
|           | 5108.00    | 6.74        | 135.08           | 5103.22     | 80.55        | -78.65     | 44.21      | 0.40             | 443229.24          | 641135.61         | N 32 13 5.17 W 104       | 0 38.25                   |
|           | 5297.00    | 6.37        | 126.42           | 5290.99     | 95.35        | -92.73     | 60.48      | 0.56             | 443215.16          | 641151.88         | N 32 13 5.03 W 104       | 0 38.06                   |
|           | 5486.00    | 6.90        | 113.84           | 5478.73     | 107.00       | -103.54    | 79.30      | 0.82             | 443204.35          | 641170.70         | N 32 13 4.92 W 104       | 0 37.85                   |
|           | 5676.00    | 6.82        | 105.49           | 5667.38     | 115.57       | -111.17    | 100.62     | 0.53             | 443196.72          | 641192.01         | N 32 13 4.84 W 104       | 0 37.60                   |
|           | 5866.00    | 6.87        | 107.07           | 5856.02     | 122.89       | -117.52    | 122.35     | 0.10             | 443190.37          | 641213.74         | N 32 13 4.78 W 104       | 0 37.35                   |
|           | 5961.00    | 6.64        | 113.10           | 5950.36     | 127.18       | -121.34    | 132.83     | 0.78             | 443186.55          | 641224.22         | N 32 13 4.74 W 104       | 0 37.22                   |
|           | 6151.00    | 6.75        | 125.94           | 6139.08     | 138.89       | -132.20    | 151.98     | 0.79             | 443175.69          | 641243.37         | N 32 13 4.63 W 104       | 0 37.00                   |
|           | 6246.00    | 6.43        | 133.35           | 6233.45     | 146.19       | -139.13    | 160.37     | 0.96             | 443168.76          | 641251.76         | N 32 13 4.56 W 104       | 0 36.90                   |
|           | 6340.00    | 6.63        | 140.20           | 6328.84     | 154.29       | -146.91    | 167.67     | 0.86             | 443160.98          | 641259.06         | N 32 13 4.49 W 104       | 0 36.82                   |
|           | 6435.00    | 6.44        | 149.63           | 6421.23     | 163.37       | -155.72    | 173.87     | 1.15             | 443152.17          | 641265.26         | N 32 13 4.40 W 104       | 0 36.75                   |
|           | 6530.00    | 6.51        | 158.48           | 6515.63     | 173.18       | -165.33    | 178.54     | 1.05             | 443142.56          | 641269.93         | N 32 13 4.31 W 104       | 0 36.69                   |
|           | 6719.00    | 6.94        | 163.50           | 6703.33     | 194.40       | -186.25    | 185.72     | 0.39             | 443121.65          | 641277.10         | N 32 13 4.10 W 104       | 0 36.61                   |
|           | 6814.00    | 6.37        | 156.18           | 6797.69     | 204.88       | -196.57    | 189.47     | 1.07             | 443111.33          | 641280.86         | N 32 13 4.00 W 104       | 0 36.57                   |
|           | 7004.00    | 4.22        | 156.60           | 6986.87     | 221.24       | -212.63    | 196.51     | 1.13             | 443095.27          | 641287.89         | N 32 13 3.84 W 104       | 0 36.49                   |
|           | 7099.00    | 5.64        | 156.09           | 7081.51     | 228.85       | -220.11    | 199.79     | 1.50             | 443087.79          | 641291.17         | N 32 13 3.76 W 104       | 0 36.45                   |
|           | 7193.00    | 5.70        | 157.46           | 7175.05     | 237.54       | -228.64    | 203.45     | 0.16             | 443079.26          | 641294.83         | N 32 13 3.68 W 104       | 0 36.41                   |
|           | 7289.00    | 3.21        | 164.54           | 7270.75     | 244.64       | -235.64    | 205.99     | 2.65             | 443072.26          | 641297.38         | N 32 13 3.61 W 104       | 0 36.38                   |
|           | 7383.00    | 3.72        | 164.65           | 7364.58     | 250.18       | -241.11    | 207.50     | 0.54             | 443066.79          | 641298.89         | N 32 13 3.55 W 104       | 0 36.36                   |
|           | 7478.00    | 4.44        | 153.44           | 7459.34     | 256.55       | -247.37    | 209.96     | 1.13             | 443060.53          | 641301.35         | N 32 13 3.49 W 104       | 0 36.33                   |
|           | 7573.00    | 5.55        | 138.75           | 7553.88     | 263.50       | -254.12    | 214.64     | 1.77             | 443053.78          | 641306.02         | N 32 13 3.43 W 104       | 0 36.28                   |
|           | 7668.00    | 5.47        | 125.55           | 7648.55     | 269.88       | -260.20    | 221.35     | 1.33             | 443047.70          | 641312.73         | N 32 13 3.36 W 104       | 0 36.20                   |
|           | 7858.00    | 6.22        | 69.52            | 7837.70     | 272.31       | -261.87    | 238.37     | 2.91             | 443046.03          | 641329.75         | N 32 13 3.35 W 104       | 0 36.00                   |
|           | 7910.00    | 6.05        | 56.95            | 7889.41     | 270.05       | -259.39    | 243.31     | 2.60             | 443048.51          | 641334.69         | N 32 13 3.37 W 104       | 0 35.94                   |

...Original Borehole/Oxy Salt Ridge CC 20-17 Federal Com 23H Gyro+MWD(IFR1) 0-16.290'

| 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>(ft) | Easting<br>(ft) | Latitude<br>(N/S ° ° °) | Longitude<br>(E/W ° ° °) |
|----------|------------|-------------|------------------|-------------|--------------|------------|------------|-------------------|------------------|-----------------|-------------------------|--------------------------|
|          | 8084.00    | 13.62       | 95.22            | 8060.88     | 268.17       | -256.24    | 271.46     | 5.53              | 443051.66        | 641362.84       | N 32 13 3.40 W 104      | 0 35.61                  |
|          | 8179.00    | 28.93       | 122.08           | 8149.33     | 282.87       | -269.57    | 302.32     | 18.72             | 443038.33        | 641393.70       | N 32 13 3.27 W 104      | 0 35.26                  |
|          | 8274.00    | 37.32       | 147.65           | 8229.20     | 321.19       | -306.35    | 337.43     | 16.99             | 443001.56        | 641428.80       | N 32 13 2.90 W 104      | 0 34.85                  |
|          | 8369.00    | 44.76       | 173.81           | 8301.34     | 380.08       | -364.44    | 356.62     | 19.56             | 442943.47        | 641447.99       | N 32 13 2.33 W 104      | 0 34.63                  |
|          | 8464.00    | 48.27       | 183.94           | 8366.80     | 448.79       | -433.17    | 357.79     | 8.57              | 442874.75        | 641449.16       | N 32 13 1.65 W 104      | 0 34.62                  |
|          | 8559.00    | 46.92       | 180.04           | 8430.87     | 518.69       | -503.25    | 355.33     | 3.35              | 442804.67        | 641446.70       | N 32 13 0.96 W 104      | 0 34.65                  |
|          | 8654.00    | 57.78       | 182.93           | 8488.82     | 593.58       | -578.31    | 353.24     | 11.68             | 442729.62        | 641444.61       | N 32 13 0.21 W 104      | 0 34.67                  |
|          | 8749.00    | 70.07       | 185.29           | 8530.50     | 678.15       | -663.24    | 347.05     | 13.13             | 442644.69        | 641438.42       | N 32 12 59.37 W 104     | 0 34.75                  |
|          | 8844.00    | 76.40       | 181.30           | 8557.90     | 768.58       | -753.99    | 341.88     | 7.78              | 442553.95        | 641433.25       | N 32 12 58.48 W 104     | 0 34.81                  |
|          | 8938.00    | 85.78       | 175.08           | 8572.46     | 861.28       | -846.66    | 344.87     | 11.93             | 442461.29        | 641436.24       | N 32 12 57.56 W 104     | 0 34.78                  |
|          | 9011.00    | 92.35       | 173.14           | 8573.65     | 934.11       | -919.22    | 352.36     | 9.38              | 442388.74        | 641443.73       | N 32 12 56.84 W 104     | 0 34.70                  |
|          | 9050.00    | 93.48       | 172.02           | 8571.67     | 972.92       | -957.84    | 357.38     | 4.08              | 442350.12        | 641448.76       | N 32 12 56.46 W 104     | 0 34.64                  |
|          | 9145.00    | 91.48       | 173.06           | 8567.56     | 1067.48      | -1051.94   | 369.71     | 2.37              | 442256.02        | 641461.08       | N 32 12 55.53 W 104     | 0 34.50                  |
|          | 9240.00    | 88.21       | 174.55           | 8567.81     | 1162.27      | -1146.37   | 379.96     | 3.78              | 442161.60        | 641471.33       | N 32 12 54.59 W 104     | 0 34.38                  |
|          | 9335.00    | 88.52       | 178.68           | 8570.53     | 1257.20      | -1241.15   | 385.56     | 4.36              | 442066.84        | 641477.93       | N 32 12 53.65 W 104     | 0 34.32                  |
|          | 9430.00    | 88.73       | 177.69           | 8572.81     | 1352.17      | -1336.07   | 388.57     | 1.06              | 441971.92        | 641479.94       | N 32 12 52.71 W 104     | 0 34.29                  |
|          | 9525.00    | 88.76       | 178.20           | 8574.89     | 1447.14      | -1430.98   | 391.98     | 0.54              | 441877.01        | 641483.34       | N 32 12 51.77 W 104     | 0 34.25                  |
|          | 9620.00    | 88.80       | 179.64           | 8576.91     | 1542.08      | -1525.94   | 393.77     | 1.52              | 441782.06        | 641485.13       | N 32 12 50.84 W 104     | 0 34.24                  |
|          | 9715.00    | 88.94       | 179.43           | 8578.78     | 1637.00      | -1620.92   | 394.54     | 0.27              | 441687.09        | 641485.90       | N 32 12 49.90 W 104     | 0 34.23                  |
|          | 9810.00    | 89.04       | 180.20           | 8580.46     | 1731.90      | -1715.91   | 394.84     | 0.82              | 441592.11        | 641486.21       | N 32 12 48.96 W 104     | 0 34.23                  |
|          | 9904.00    | 89.59       | 179.00           | 8581.58     | 1825.82      | -1809.90   | 395.50     | 1.40              | 441498.13        | 641486.87       | N 32 12 48.03 W 104     | 0 34.23                  |
|          | 9999.00    | 89.62       | 178.92           | 8582.24     | 1920.79      | -1904.88   | 397.22     | 0.09              | 441403.16        | 641488.59       | N 32 12 47.09 W 104     | 0 34.21                  |
|          | 10093.00   | 89.93       | 181.20           | 8582.60     | 2014.68      | -1998.87   | 397.13     | 2.45              | 441309.17        | 641488.49       | N 32 12 46.16 W 104     | 0 34.21                  |
|          | 10188.00   | 89.80       | 180.00           | 8582.83     | 2109.53      | -2093.86   | 396.13     | 1.27              | 441214.19        | 641487.50       | N 32 12 45.22 W 104     | 0 34.23                  |
|          | 10283.00   | 89.62       | 179.24           | 8583.31     | 2204.46      | -2188.86   | 396.76     | 0.82              | 441119.20        | 641488.13       | N 32 12 44.28 W 104     | 0 34.22                  |
|          | 10378.00   | 90.45       | 179.58           | 8583.25     | 2299.41      | -2283.85   | 397.74     | 0.94              | 441024.21        | 641489.11       | N 32 12 43.34 W 104     | 0 34.22                  |
|          | 10472.00   | 90.28       | 179.21           | 8582.65     | 2393.35      | -2377.85   | 398.73     | 0.43              | 440930.23        | 641490.10       | N 32 12 42.41 W 104     | 0 34.21                  |
|          | 10567.00   | 90.83       | 179.30           | 8580.81     | 2583.24      | -2567.82   | 401.20     | 0.29              | 440740.27        | 641492.57       | N 32 12 40.53 W 104     | 0 34.19                  |
|          | 10662.00   | 90.14       | 180.27           | 8580.01     | 2678.16      | -2662.81   | 401.56     | 1.25              | 440645.28        | 641492.93       | N 32 12 39.59 W 104     | 0 34.19                  |
|          | 10757.00   | 90.73       | 180.30           | 8579.29     | 2773.03      | -2757.81   | 401.09     | 0.62              | 440550.30        | 641492.45       | N 32 12 38.65 W 104     | 0 34.19                  |
|          | 10852.00   | 89.62       | 181.72           | 8578.94     | 2884.81      | -2869.79   | 399.11     | 1.61              | 440438.33        | 641490.48       | N 32 12 37.54 W 104     | 0 34.22                  |
|          | 11143.00   | 90.34       | 182.37           | 8579.01     | 3063.23      | -3048.67   | 392.72     | 0.54              | 440259.46        | 641484.09       | N 32 12 35.77 W 104     | 0 34.30                  |
|          | 11238.00   | 89.93       | 183.16           | 8578.78     | 3157.81      | -3143.56   | 388.14     | 0.94              | 440164.58        | 641479.51       | N 32 12 34.83 W 104     | 0 34.36                  |
|          | 11333.00   | 90.03       | 183.27           | 8578.82     | 3252.33      | -3238.41   | 382.81     | 0.16              | 440069.73        | 641474.18       | N 32 12 33.89 W 104     | 0 34.42                  |
|          | 11428.00   | 89.76       | 184.41           | 8578.99     | 3346.73      | -3333.19   | 376.45     | 1.23              | 439974.96        | 641467.82       | N 32 12 32.95 W 104     | 0 34.50                  |
|          | 11523.00   | 89.97       | 185.50           | 8579.21     | 3440.91      | -3427.84   | 368.25     | 1.17              | 439880.32        | 641459.62       | N 32 12 32.02 W 104     | 0 34.60                  |
|          | 11618.00   | 89.97       | 179.93           | 8579.26     | 3535.47      | -3522.69   | 363.75     | 5.86              | 439785.47        | 641455.12       | N 32 12 31.08 W 104     | 0 34.66                  |
|          | 11713.00   | 90.21       | 180.78           | 8579.11     | 3630.35      | -3617.69   | 363.16     | 0.93              | 439690.48        | 641454.53       | N 32 12 30.14 W 104     | 0 34.67                  |
|          | 11808.00   | 90.27       | 180.53           | 8578.72     | 3725.19      | -3712.68   | 362.07     | 0.27              | 439595.50        | 641453.44       | N 32 12 29.20 W 104     | 0 34.68                  |
|          | 11903.00   | 90.17       | 177.99           | 8578.35     | 3820.14      | -3807.67   | 363.30     | 2.68              | 439500.52        | 641454.67       | N 32 12 28.26 W 104     | 0 34.67                  |
|          | 11998.00   | 90.34       | 175.74           | 8577.93     | 3915.13      | -3902.52   | 368.49     | 2.38              | 439405.68        | 641459.86       | N 32 12 27.32 W 104     | 0 34.61                  |
|          | 12093.00   | 90.69       | 175.47           | 8577.08     | 4010.07      | -3997.23   | 375.77     | 0.47              | 439310.97        | 641467.14       | N 32 12 26.38 W 104     | 0 34.53                  |
|          | 12188.00   | 90.69       | 174.84           | 8575.93     | 4104.99      | -4091.89   | 383.80     | 0.66              | 439216.33        | 641475.17       | N 32 12 25.45 W 104     | 0 34.44                  |
|          | 12283.00   | 90.31       | 177.09           | 8575.10     | 4199.95      | -4186.64   | 390.48     | 2.40              | 439121.58        | 641481.85       | N 32 12 24.51 W 104     | 0 34.37                  |
|          | 12378.00   | 90.48       | 176.67           | 8574.45     | 4294.94      | -4281.50   | 395.65     | 0.48              | 439026.73        | 641487.02       | N 32 12 23.57 W 104     | 0 34.31                  |
|          | 12472.00   | 90.14       | 177.56           | 8573.94     | 4388.94      | -4375.38   | 400.38     | 1.01              | 438932.86        | 641491.75       | N 32 12 22.64 W 104     | 0 34.26                  |
|          | 12567.00   | 89.97       | 180.27           | 8573.85     | 4483.90      | -4470.35   | 402.18     | 2.86              | 438837.89        | 641493.55       | N 32 12 21.70 W 104     | 0 34.24                  |
|          | 12662.00   | 90.03       | 180.88           | 8573.85     | 4578.76      | -4565.35   | 401.23     | 0.65              | 438742.91        | 641492.60       | N 32 12 20.76 W 104     | 0 34.26                  |
|          | 12757.00   | 89.52       | 182.28           | 8574.22     | 4673.50      | -4660.31   | 398.61     | 1.57              | 438647.95        | 641489.98       | N 32 12 19.82 W 104     | 0 34.29                  |
|          | 12852.00   | 89.90       | 182.25           | 8574.70     | 4768.16      | -4755.23   | 394.85     | 0.40              | 438553.04        | 641486.22       | N 32 12 18.88 W 104     | 0 34.34                  |
|          | 12947.00   | 90.07       | 180.11           | 8574.73     | 4862.95      | -4850.21   | 392.90     | 2.26              | 438458.07        | 641484.27       | N 32 12 17.94 W 104     | 0 34.36                  |
|          | 13042.00   | 90.93       | 179.05           | 8573.90     | 4957.88      | -4945.20   | 393.59     | 1.44              | 438363.09        | 641484.96       | N 32 12 17.00 W 104     | 0 34.36                  |
|          | 13136.00   | 90.21       | 178.44           | 8572.96     | 5051.85      | -5039.17   | 395.65     | 1.00              | 438269.12        | 641487.02       | N 32 12 16.07 W 104     | 0 34.34                  |
|          | 13231.00   | 90.14       | 179.64           | 8572.67     | 5146.81      | -5134.15   | 397.25     | 1.27              | 438174.15        | 641488.61       | N 32 12 15.13 W 104     | 0 34.32                  |
|          | 13326.00   | 90.27       | 178.85           | 8572.33     | 5241.76      | -5229.14   | 398.50     | 0.84              | 438079.16        | 641489.86       | N 32 12 14.19 W 104     | 0 34.31                  |
|          | 13421.00   | 90.48       | 180.37           | 8571.71     | 5336.69      | -5324.14   | 399.14     | 1.62              | 437984.18        | 641490.51       | N 32 12 13.25 W 104     | 0 34.31                  |
|          | 13516.00   | 90.07       | 179.67           | 8571.25     | 5431.59      | -5419.13   | 399.11     | 0.85              | 437889.19        | 641490.48       | N 32 12 12.31 W 104     | 0 34.31                  |
|          | 13611.00   | 89.66       | 181.97           | 8571.48     | 5526.41      | -5514.12   | 397.75     | 2.46              | 437794.21        | 641489.12       | N 32 12 11.37 W 104     | 0 34.33                  |
|          | 13706.00   | 90.07       | 184.07           | 8571.70     | 5620.96      | -5608.98   | 392.75     | 2.25              | 437699.36        | 641484.11       | N 32 12 10.43 W 104     | 0 34.39                  |
|          | 13801.00   | 89.97       | 183.62           | 8571.67     | 5715.36      | -5703.77   | 386.38     | 0.49              | 437604.58        | 641477.74       | N 32 12 9.50 W 104      | 0 34.47                  |
|          | 13896.00   | 90.07       | 182.80           | 8571.64     | 5809.88      | -5798.62   | 381.06     | 0.87              | 437509.74        | 641472.43       | N 32 12 8.56 W 104      | 0 34.53                  |
|          | 13991.00   | 90.21       | 180.41           | 8571.40     | 5904.62      | -5893.57   | 378.40     | 2.52              | 437414.79        | 641469.76       | N 32 12 7.62 W 104      | 0 34.57                  |
|          | 14086.00   | 90.34       | 179.01           | 8570.95     | 5999.54      | -5988.57   | 378.88     | 1.48              | 437319.80        | 641470.25       | N 32 12 6.68 W 104      | 0 34.57                  |
|          | 14181.00   | 90.34       | 177.84           | 8570.38     | 6094.52      | -6083.53   | 381.49     | 1.23              | 437224.85        | 641472.86       | N 32 12 5.74 W 104      | 0 34.54                  |
|          | 14276.00   | 91.20       | 180.41           | 8569.11     | 6189.46      | -6178.50   | 382.94     | 2.85              | 437129.88        | 641474.31       | N 32 12 4.80 W 104      | 0 34.52                  |
|          | 14371.00   | 90.79       | 180.11           | 8567.46     | 6284.33      | -6273.48   | 382.51     | 0.53              | 437034.91        | 641473.88       | N 32 12 3.86 W 104      | 0 34.53                  |
|          | 14466.00   | 90.55       | 180.31           | 8566.35     | 6379.21      | -6368.48   | 382.16     | 0.33              | 436939.92        | 641473.53       | N 32 12 2.92 W 104      | 0 34.54                  |
|          | 14561.00   | 91.10       | 180.71           | 8564.98     | 6474.06      | -6463.46   | 381.31     | 0.72              | 436844.94        | 641472.68       | N 32 12 1.98 W 104      | 0 34.55                  |
|          | 14656.00   | 91.10       | 179.49           | 8563.15     | 6568.94      | -6558.44   | 381.15     | 1.28              | 436749.97        | 641472.52       | N 32 12 1.04 W 104      | 0 34.56                  |
|          | 14751.00   | 90.76       | 180.53           | 8561.61     | 6663.83      | -6653.43   | 381.13     | 1.15              | 436654.94        | 641472.50       | N 32 12 0.10 W 104      | 0 34.56                  |
|          | 14846.00   | 91.24       | 181.08           | 8559.95     | 6758.65      | -6748.40   | 379.80     | 0.77              | 436560.03        | 641471.17       | N 32 11 59.16 W 104     | 0 34.58                  |
|          | 14941.00   | 91.10       | 180.98           | 8558.01     | 6853.44      | -6843.37   | 378.09     | 0.18              | 436465.07        | 641469.46       | N 32 11 58.22 W 104     | 0 34.60                  |
|          | 15036.00   | 90.55       | 180.60           | 8556.65     | 6948.27      | -6938.35   | 376.78     | 0.70              | 436370.10        | 641468.15       | N 32 11 57.28 W 104     | 0 34.62                  |
|          | 15131.00   | 91.00       | 181.95           | 8555.36     | 7043.04      | -7033.32   | 374.67     | 1.50              | 436275.14        | 641468.04       | N 32 11 56.34 W 104     | 0 34.65                  |
|          | 15226.00   | 91.24       | 181.87           | 8553.51     | 7137.74      | -7128.24   | 371.50     | 0.27              | 436180.22        | 641462.87       | N 32 11 55.40 W 104     | 0 34.69                  |
|          | 15321.00   | 90.38       | 182.53           | 8552.16     | 7232.40      | -7223.16   | 367.85     | 1.14              | 436085.31        | 641459.22       | N 32 11 54.46 W 104     | 0 34.74                  |
|          | 15416.00   | 90.83       | 1                |             |              |            |            |                   |                  |                 |                         |                          |

| 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 ° ' ") |
|----------|------------|-------------|------------------|-------------|--------------|------------|------------|--------------------------|--------------------|-------------------|--------------------------------------------------------------------------------------------|--------------------------|
|          |            | 1           | 0.000            | 26.500      | 1/98.425     | 30.000     | 30.000     | NAL_NSG+MSHOT-Depth Only |                    |                   | Original Borehole / Oxy Salt Ridge<br>CC 20-17 Federal Com 23H<br>Gyro+MWD(IFR1) 0-16,290' |                          |
|          |            | 1           | 26.500           | 26.500      | Act Stns     | 30.000     | 30.000     | NAL_NSG+MSHOT-Depth Only |                    |                   | Original Borehole / Oxy Salt Ridge<br>CC 20-17 Federal Com 23H<br>Gyro+MWD(IFR1) 0-16,290' |                          |
|          |            | 1           | 26.500           | 529.500     | Act Stns     | 30.000     | 30.000     | NAL_NSG+MSHOT            |                    |                   | Original Borehole / Oxy Salt Ridge<br>CC 20-17 Federal Com 23H                             |                          |
|          |            | 1           | 529.500          | 16290.000   | Act Stns     | 30.000     | 30.000     | NAL_MWD_IFR1+MS          |                    |                   | Original Borehole / Oxy Salt Ridge<br>CC 20-17 Federal Com 23H                             |                          |

Schlumberger

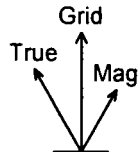
OXY



| Borehole:         | Well:                                   | Field:                  | Structure:                              |
|-------------------|-----------------------------------------|-------------------------|-----------------------------------------|
| Original Borehole | Oxy Salt Ridge CC 20-17 Federal Com 23H | NM Eddy County (NAD 83) | Oxy Salt Ridge CC 20-17 Federal Com 23H |

| Gravity & Magnetic Parameters           | Surface Location                                    | Miscellaneous                                                  |
|-----------------------------------------|-----------------------------------------------------|----------------------------------------------------------------|
| Model: HOGM 2018                        | NAD83 New Mexico State Plane, Eastern Zone, US Feet | Oxy Salt Ridge CC 20-17 Federal Com 23H Rev4 APS 31May18       |
| Date: 14-Jun-2018                       | Lat: N 32 11 5.95                                   | Station: 20-17 Federal Com 23H Rev4 APS 31May18                |
| MagDec: 7.112°                          | North: 443307.827m                                  | Plan: Oxy Salt Ridge CC 20-17 Federal Com 23H Rev4 APS 31May18 |
| PG: 4802.28m                            | East: 641991.475m                                   |                                                                |
| Gravity PG: 998.48mgals (9.80665 Based) | Scale Fact: 0.29992049                              |                                                                |



Grid North  
Tot Corr (M->G 6.940°)  
Mag Dec (7.112°)  
Grid Conv (0.172°)

