



**Nabors Drilling Solutions
Directional Drilling Report**

Field: Crockett Co, TX

Site: University Salt Draw 4101

Well: GH

Wellpath: OH

EP ENERGY 

**Nabors Drilling Solutions
515 W. Greens RD.
Houston, TX 77067
Ph: 281-874-0035
www.nabors.com**



EP Energy E&P Company, L.P.

Crockett Co, TX

University Salt Draw 4101

GH

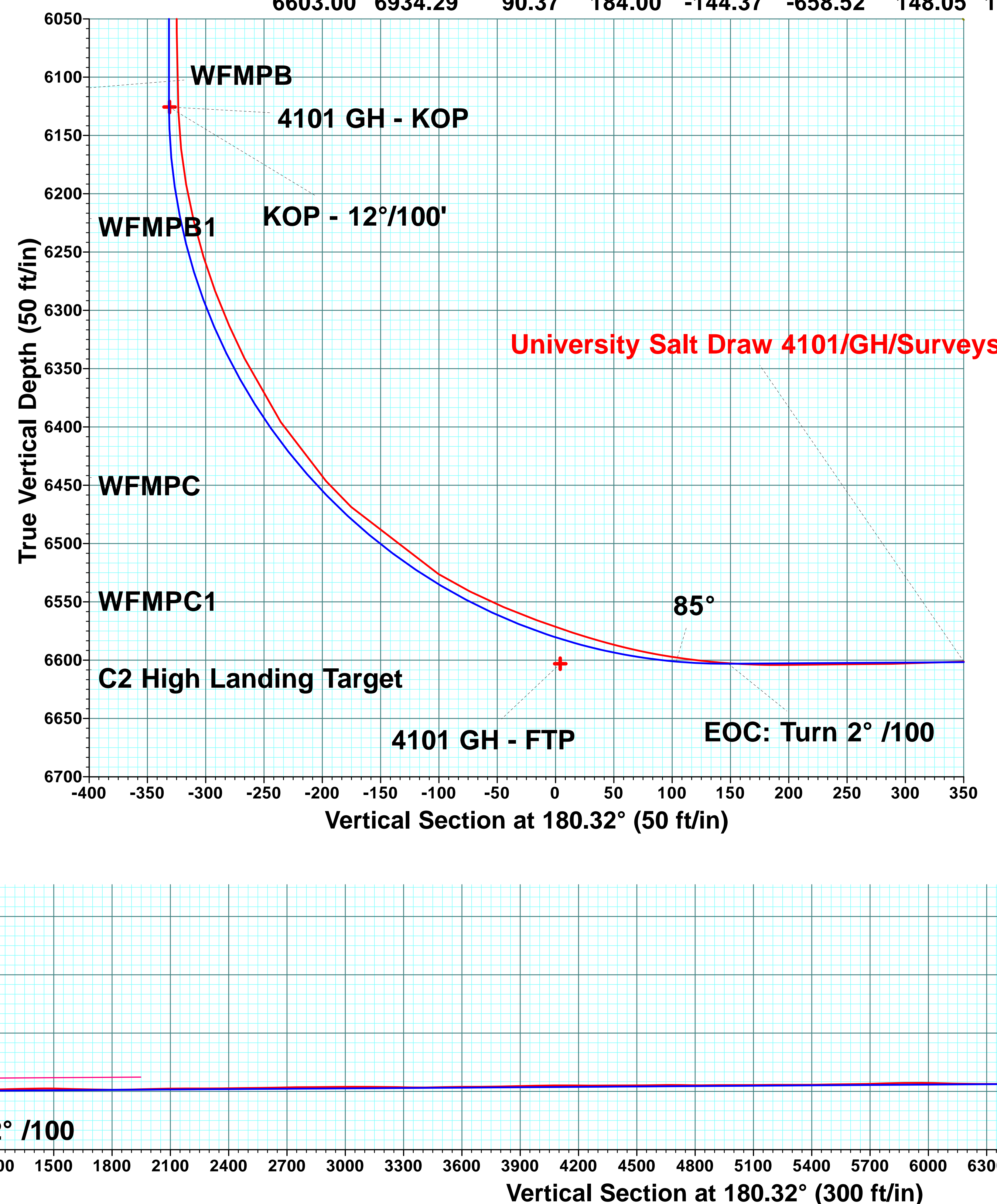
OH

Design: Surveys

Standard Survey Report

14 June, 2016





| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | EP Energy E&P Company, L.P. | Local Co-ordinate Reference: | Well GH |
| Project: | Crockett Co, TX | TVD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Site: | University Salt Draw 4101 | MD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Well: | GH | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Surveys | Database: | Ryan USA |

| | | | |
|--------------------|--------------------------------------|----------------------|----------------|
| Project | Crockett Co, TX, Crockett Co, TX | | |
| Map System: | US State Plane 1927 (Exact solution) | System Datum: | Mean Sea Level |
| Geo Datum: | NAD 1927 (NADCON CONUS) | | |
| Map Zone: | Texas Central 4203 | | |

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|------------------------------|---------------------------|--------------------------|--------------------|
| Site | University Salt Draw 4101 | | |
| Site Position: | | Northing: | 499,193.540 usft |
| From: | Map | Easting: | 1,754,274.080 usft |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13-3/16 " |
| | | Latitude: | 31° 2' 12.79212 N |
| | | Longitude: | 101° 7' 4.61783 W |
| | | Grid Convergence: | -0.40 ° |

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|-----------------------------|--------------|----------------------------|-------------------|
| Well | GH | | |
| Well Position | +N/-S | 0.00 ft | Northing: |
| | +E/-W | 0.00 ft | Easting: |
| Position Uncertainty | 0.00 ft | Wellhead Elevation: | 0.00 ft |
| | | Latitude: | 31° 2' 12.79542 N |
| | | Longitude: | 101° 7' 3.92814 W |
| | | Ground Level: | 2,624.00 ft |

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|------------------|-------------------|--------------------|----------------------------|
| Wellbore | OH | | |
| Magnetics | Model Name | Sample Date | Declination (°) |
| | HDGM | 5/20/2016 | 5.57 |
| | | | Dip Angle (°) |
| | | | 59.67 |
| | | | Field Strength (nT) |
| | | | 47,674 |

| | | | |
|--------------------------|------------------------------|----------------------|----------------------|
| Design | Surveys | | |
| Audit Notes: | | | |
| Version: | 1.0 | Phase: | ACTUAL |
| | | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) |
| | 0.00 | 0.00 | 0.00 |
| | | | Direction (°) |
| | | | 180.32 |

| | | | | |
|-----------------------|----------------|--------------------------|------------------|-----------------------|
| Survey Program | Date | 6/14/2016 | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description |
| 27.00 | 932.00 | Survey #1 (OH) | GYRO-NS | OWSG Gyrocompass Gyro |
| 1,057.00 | 17,295.00 | NDS MWD (OH) | MWD+HRGM | OWSG MWD + HRGM |

| | | | | | | | | | |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|------------------------------|-----------------------------|----------------------------|
| Survey | | | | | | | | | |
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27.00 | 0.00 | 0.00 | 27.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77.00 | 0.57 | 316.89 | 77.00 | 0.18 | -0.17 | -0.18 | 1.14 | 1.14 | 0.00 |
| 127.00 | 0.63 | 307.24 | 127.00 | 0.53 | -0.56 | -0.53 | 0.23 | 0.12 | -19.30 |
| 177.00 | 0.74 | 301.65 | 176.99 | 0.87 | -1.05 | -0.86 | 0.26 | 0.22 | -11.18 |
| 227.00 | 0.67 | 289.52 | 226.99 | 1.13 | -1.60 | -1.12 | 0.33 | -0.14 | -24.26 |
| 277.00 | 0.75 | 281.09 | 276.99 | 1.29 | -2.20 | -1.28 | 0.26 | 0.16 | -16.86 |
| 327.00 | 0.53 | 285.20 | 326.98 | 1.42 | -2.74 | -1.40 | 0.45 | -0.44 | 8.22 |
| 377.00 | 0.45 | 271.21 | 376.98 | 1.48 | -3.16 | -1.46 | 0.29 | -0.16 | -27.98 |
| 427.00 | 0.40 | 273.21 | 426.98 | 1.50 | -3.53 | -1.48 | 0.10 | -0.10 | 4.00 |

| | | | |
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| Site: | University Salt Draw 4101 | MD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Well: | GH | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Surveys | Database: | Ryan USA |

| Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 477.00 | 0.40 | 265.17 | 476.98 | 1.49 | -3.88 | -1.47 | 0.11 | 0.00 | -16.08 |
| 527.00 | 0.13 | 288.27 | 526.98 | 1.49 | -4.11 | -1.47 | 0.57 | -0.54 | 46.20 |
| 577.00 | 0.16 | 287.66 | 576.98 | 1.53 | -4.23 | -1.51 | 0.06 | 0.06 | -1.22 |
| 627.00 | 0.12 | 300.33 | 626.98 | 1.58 | -4.34 | -1.56 | 0.10 | -0.08 | 25.34 |
| 677.00 | 0.04 | 126.70 | 676.98 | 1.60 | -4.37 | -1.57 | 0.32 | -0.16 | -347.26 |
| 727.00 | 0.13 | 96.66 | 726.98 | 1.58 | -4.30 | -1.55 | 0.19 | 0.18 | -60.08 |
| 777.00 | 0.13 | 11.66 | 776.98 | 1.63 | -4.23 | -1.60 | 0.35 | 0.00 | -170.00 |
| 827.00 | 0.25 | 53.44 | 826.98 | 1.75 | -4.14 | -1.73 | 0.35 | 0.24 | 83.56 |
| 877.00 | 0.23 | 49.95 | 876.98 | 1.88 | -3.97 | -1.86 | 0.05 | -0.04 | -6.98 |
| 927.00 | 0.35 | 72.29 | 926.98 | 1.99 | -3.75 | -1.97 | 0.33 | 0.24 | 44.68 |
| 932.00 | 0.32 | 71.04 | 931.98 | 2.00 | -3.72 | -1.98 | 0.62 | -0.60 | -25.00 |
| 1,057.00 | 0.31 | 161.98 | 1,056.97 | 1.79 | -3.29 | -1.77 | 0.36 | -0.01 | 72.75 |
| 1,088.00 | 0.53 | 169.01 | 1,087.97 | 1.57 | -3.23 | -1.55 | 0.73 | 0.71 | 22.68 |
| 1,182.00 | 2.86 | 188.08 | 1,181.93 | -1.18 | -3.48 | 1.20 | 2.52 | 2.48 | 20.29 |
| 1,277.00 | 2.77 | 243.01 | 1,276.83 | -4.57 | -5.86 | 4.60 | 2.73 | -0.09 | 57.82 |
| 1,371.00 | 4.22 | 265.60 | 1,370.65 | -5.86 | -11.33 | 5.93 | 2.10 | 1.54 | 24.03 |
| 1,466.00 | 6.64 | 286.69 | 1,465.23 | -4.55 | -20.08 | 4.67 | 3.26 | 2.55 | 22.20 |
| 1,561.00 | 7.56 | 288.63 | 1,559.50 | -0.98 | -31.26 | 1.16 | 1.00 | 0.97 | 2.04 |
| 1,655.00 | 8.44 | 304.80 | 1,652.60 | 4.93 | -42.79 | -4.69 | 2.56 | 0.94 | 17.20 |
| 1,845.00 | 9.80 | 305.15 | 1,840.19 | 22.20 | -67.46 | -21.82 | 0.72 | 0.72 | 0.18 |
| 2,034.00 | 12.26 | 300.05 | 2,025.69 | 41.51 | -97.99 | -40.96 | 1.40 | 1.30 | -2.70 |
| 2,224.00 | 12.31 | 295.04 | 2,211.34 | 60.19 | -133.80 | -59.44 | 0.56 | 0.03 | -2.64 |
| 2,413.00 | 13.36 | 296.62 | 2,395.62 | 78.50 | -171.58 | -77.54 | 0.59 | 0.56 | 0.84 |
| 2,602.00 | 11.82 | 296.36 | 2,580.07 | 96.88 | -208.45 | -95.71 | 0.82 | -0.81 | -0.14 |
| 2,792.00 | 12.13 | 293.81 | 2,765.94 | 113.58 | -244.15 | -112.21 | 0.32 | 0.16 | -1.34 |
| 2,982.00 | 11.38 | 294.69 | 2,951.95 | 129.47 | -279.44 | -127.90 | 0.41 | -0.39 | 0.46 |
| 3,171.00 | 11.25 | 298.38 | 3,137.28 | 146.02 | -312.60 | -144.27 | 0.39 | -0.07 | 1.95 |
| 3,360.00 | 12.22 | 312.18 | 3,322.36 | 168.22 | -343.65 | -166.30 | 1.57 | 0.51 | 7.30 |
| 3,549.00 | 13.67 | 313.59 | 3,506.56 | 197.05 | -374.65 | -194.95 | 0.79 | 0.77 | 0.75 |
| 3,739.00 | 12.70 | 313.76 | 3,691.54 | 226.98 | -406.00 | -224.70 | 0.51 | -0.51 | 0.09 |
| 3,928.00 | 12.00 | 303.30 | 3,876.19 | 252.13 | -437.43 | -249.69 | 1.24 | -0.37 | -5.53 |
| 4,118.00 | 11.34 | 295.92 | 4,062.28 | 271.15 | -470.74 | -268.51 | 0.86 | -0.35 | -3.88 |
| 4,308.00 | 12.66 | 284.67 | 4,248.14 | 284.59 | -507.69 | -281.75 | 1.41 | 0.69 | -5.92 |
| 4,497.00 | 10.24 | 287.66 | 4,433.37 | 294.93 | -543.74 | -291.89 | 1.32 | -1.28 | 1.58 |
| 4,687.00 | 7.95 | 291.17 | 4,620.97 | 304.80 | -572.09 | -301.60 | 1.24 | -1.21 | 1.85 |
| 4,875.00 | 5.19 | 288.10 | 4,807.72 | 312.14 | -592.30 | -308.82 | 1.48 | -1.47 | -1.63 |
| 5,065.00 | 4.92 | 300.67 | 4,996.99 | 318.96 | -607.48 | -315.57 | 0.60 | -0.14 | 6.62 |
| 5,254.00 | 3.08 | 298.29 | 5,185.52 | 325.50 | -618.92 | -322.04 | 0.98 | -0.97 | -1.26 |
| 5,444.00 | 0.83 | 302.69 | 5,375.39 | 328.67 | -624.57 | -325.17 | 1.19 | -1.18 | 2.32 |
| 5,634.00 | 0.18 | 272.45 | 5,565.39 | 329.42 | -626.03 | -325.92 | 0.36 | -0.34 | -15.92 |
| 5,824.00 | 0.18 | 121.46 | 5,755.39 | 329.28 | -626.07 | -325.78 | 0.18 | 0.00 | -79.47 |
| 6,012.00 | 0.35 | 118.21 | 5,943.38 | 328.85 | -625.32 | -325.36 | 0.09 | 0.09 | -1.73 |
| 6,130.00 | 0.40 | 134.99 | 6,061.38 | 328.39 | -624.71 | -324.90 | 0.10 | 0.04 | 14.22 |

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| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Surveys | Database: | Ryan USA |

| Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 6,198.00 | 2.15 | 171.12 | 6,129.36 | 326.97 | -624.34 | -323.47 | 2.71 | 2.57 | 53.13 |
| 6,230.00 | 6.06 | 177.97 | 6,161.27 | 324.68 | -624.19 | -321.19 | 12.29 | 12.22 | 21.41 |
| 6,261.00 | 10.15 | 178.59 | 6,191.96 | 320.32 | -624.06 | -316.82 | 13.20 | 13.19 | 2.00 |
| 6,293.00 | 13.45 | 185.79 | 6,223.28 | 313.79 | -624.37 | -310.30 | 11.27 | 10.31 | 22.50 |
| 6,325.00 | 17.18 | 189.49 | 6,254.14 | 305.42 | -625.53 | -301.93 | 12.04 | 11.66 | 11.56 |
| 6,356.00 | 20.70 | 187.99 | 6,283.46 | 295.48 | -627.04 | -291.97 | 11.46 | 11.35 | -4.84 |
| 6,388.00 | 23.82 | 184.83 | 6,313.07 | 283.44 | -628.37 | -279.92 | 10.44 | 9.75 | -9.88 |
| 6,419.00 | 26.54 | 186.85 | 6,341.12 | 270.32 | -629.73 | -266.80 | 9.20 | 8.77 | 6.52 |
| 6,482.00 | 32.96 | 184.65 | 6,395.79 | 239.23 | -632.80 | -235.69 | 10.34 | 10.19 | -3.49 |
| 6,546.00 | 42.32 | 186.23 | 6,446.41 | 200.37 | -636.56 | -196.82 | 14.70 | 14.63 | 2.47 |
| 6,577.00 | 46.45 | 187.38 | 6,468.56 | 178.85 | -639.13 | -175.28 | 13.57 | 13.32 | 3.71 |
| 6,672.00 | 58.80 | 186.76 | 6,526.12 | 104.07 | -648.37 | -100.45 | 13.01 | 13.00 | -0.65 |
| 6,703.00 | 63.41 | 186.67 | 6,541.10 | 77.12 | -651.54 | -73.48 | 14.87 | 14.87 | -0.29 |
| 6,735.00 | 67.15 | 186.76 | 6,554.48 | 48.26 | -654.94 | -44.60 | 11.69 | 11.69 | 0.28 |
| 6,766.00 | 69.83 | 184.92 | 6,565.84 | 19.57 | -657.87 | -15.90 | 10.26 | 8.65 | -5.94 |
| 6,798.00 | 72.16 | 182.63 | 6,576.26 | -10.61 | -659.86 | 14.30 | 9.94 | 7.28 | -7.16 |
| 6,829.00 | 74.53 | 181.57 | 6,585.15 | -40.29 | -660.95 | 43.98 | 8.32 | 7.65 | -3.42 |
| 6,885.00 | 81.12 | 180.96 | 6,596.95 | -94.99 | -662.15 | 98.68 | 11.82 | 11.77 | -1.09 |
| 6,980.00 | 90.26 | 181.66 | 6,604.08 | -189.59 | -664.32 | 193.30 | 9.65 | 9.62 | 0.74 |
| 7,075.00 | 90.92 | 179.73 | 6,603.11 | -284.58 | -665.47 | 288.29 | 2.15 | 0.69 | -2.03 |
| 7,170.00 | 92.50 | 180.35 | 6,600.27 | -379.53 | -665.54 | 383.24 | 1.79 | 1.66 | 0.65 |
| 7,264.00 | 91.06 | 179.82 | 6,597.35 | -473.48 | -665.68 | 477.19 | 1.63 | -1.53 | -0.56 |
| 7,359.00 | 91.19 | 177.80 | 6,595.49 | -568.44 | -663.70 | 572.14 | 2.13 | 0.14 | -2.13 |
| 7,453.00 | 89.69 | 178.85 | 6,594.76 | -662.39 | -660.96 | 666.07 | 1.95 | -1.60 | 1.12 |
| 7,548.00 | 91.06 | 181.49 | 6,594.14 | -757.38 | -661.24 | 761.06 | 3.13 | 1.44 | 2.78 |
| 7,642.00 | 90.53 | 181.84 | 6,592.84 | -851.33 | -663.97 | 855.02 | 0.68 | -0.56 | 0.37 |
| 7,737.00 | 89.43 | 181.22 | 6,592.87 | -946.29 | -666.51 | 950.00 | 1.33 | -1.16 | -0.65 |
| 7,831.00 | 90.57 | 181.66 | 6,592.87 | -1,040.26 | -668.87 | 1,043.98 | 1.30 | 1.21 | 0.47 |
| 7,926.00 | 91.14 | 182.01 | 6,591.45 | -1,135.20 | -671.91 | 1,138.94 | 0.70 | 0.60 | 0.37 |
| 8,020.00 | 91.45 | 181.57 | 6,589.33 | -1,229.13 | -674.84 | 1,232.88 | 0.57 | 0.33 | -0.47 |
| 8,115.00 | 91.23 | 179.20 | 6,587.11 | -1,324.10 | -675.48 | 1,327.85 | 2.50 | -0.23 | -2.49 |
| 8,210.00 | 91.06 | 175.95 | 6,585.21 | -1,418.98 | -671.46 | 1,422.71 | 3.43 | -0.18 | -3.42 |
| 8,305.00 | 88.46 | 177.27 | 6,585.61 | -1,513.80 | -665.85 | 1,517.50 | 3.07 | -2.74 | 1.39 |
| 8,400.00 | 88.51 | 180.35 | 6,588.12 | -1,608.74 | -663.88 | 1,612.42 | 3.24 | 0.05 | 3.24 |
| 8,495.00 | 88.73 | 179.64 | 6,590.41 | -1,703.71 | -663.87 | 1,707.39 | 0.78 | 0.23 | -0.75 |
| 8,589.00 | 89.69 | 180.35 | 6,591.70 | -1,797.70 | -663.86 | 1,801.38 | 1.27 | 1.02 | 0.76 |
| 8,684.00 | 91.71 | 181.57 | 6,590.54 | -1,892.67 | -665.45 | 1,896.36 | 2.48 | 2.13 | 1.28 |
| 8,779.00 | 91.41 | 183.16 | 6,587.95 | -1,987.55 | -669.37 | 1,991.26 | 1.70 | -0.32 | 1.67 |
| 8,874.00 | 91.23 | 183.68 | 6,585.77 | -2,082.36 | -675.03 | 2,086.09 | 0.58 | -0.19 | 0.55 |
| 8,968.00 | 89.87 | 181.57 | 6,584.86 | -2,176.25 | -679.34 | 2,180.01 | 2.67 | -1.45 | -2.24 |
| 9,063.00 | 89.87 | 181.05 | 6,585.08 | -2,271.22 | -681.51 | 2,274.99 | 0.55 | 0.00 | -0.55 |
| 9,158.00 | 90.57 | 181.93 | 6,584.71 | -2,366.19 | -683.98 | 2,369.97 | 1.18 | 0.74 | 0.93 |
| 9,253.00 | 91.23 | 183.86 | 6,583.22 | -2,461.05 | -688.78 | 2,464.86 | 2.15 | 0.69 | 2.03 |

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| Site: | University Salt Draw 4101 | MD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
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| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Surveys | Database: | Ryan USA |

| Survey | | | | | | | | | |
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| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 9,347.00 | 90.35 | 184.21 | 6,581.93 | -2,554.81 | -695.39 | 2,558.65 | 1.01 | -0.94 | 0.37 |
| 9,442.00 | 91.45 | 181.14 | 6,580.43 | -2,649.68 | -699.82 | 2,653.54 | 3.43 | 1.16 | -3.23 |
| 9,537.00 | 90.83 | 176.65 | 6,578.54 | -2,744.62 | -697.99 | 2,748.47 | 4.77 | -0.65 | -4.73 |
| 9,632.00 | 89.69 | 178.24 | 6,578.11 | -2,839.52 | -693.76 | 2,843.35 | 2.06 | -1.20 | 1.67 |
| 9,727.00 | 91.45 | 180.96 | 6,577.17 | -2,934.50 | -693.09 | 2,938.32 | 3.41 | 1.85 | 2.86 |
| 9,822.00 | 89.60 | 181.66 | 6,576.30 | -3,029.46 | -695.27 | 3,033.30 | 2.08 | -1.95 | 0.74 |
| 9,916.00 | 89.91 | 181.93 | 6,576.70 | -3,123.42 | -698.21 | 3,127.27 | 0.44 | 0.33 | 0.29 |
| 10,010.00 | 89.34 | 179.38 | 6,577.31 | -3,217.40 | -699.29 | 3,221.26 | 2.78 | -0.61 | -2.71 |
| 10,105.00 | 88.29 | 180.17 | 6,579.28 | -3,312.38 | -698.91 | 3,316.23 | 1.38 | -1.11 | 0.83 |
| 10,199.00 | 90.75 | 181.31 | 6,580.07 | -3,406.36 | -700.13 | 3,410.21 | 2.88 | 2.62 | 1.21 |
| 10,294.00 | 91.71 | 182.10 | 6,578.03 | -3,501.29 | -702.95 | 3,505.16 | 1.31 | 1.01 | 0.83 |
| 10,389.00 | 89.96 | 180.78 | 6,576.64 | -3,596.24 | -705.34 | 3,600.13 | 2.31 | -1.84 | -1.39 |
| 10,483.00 | 90.40 | 179.99 | 6,576.35 | -3,690.24 | -705.97 | 3,694.13 | 0.96 | 0.47 | -0.84 |
| 10,578.00 | 91.27 | 178.76 | 6,574.96 | -3,785.22 | -704.93 | 3,789.10 | 1.59 | 0.92 | -1.29 |
| 10,673.00 | 91.01 | 177.45 | 6,573.07 | -3,880.15 | -701.79 | 3,884.01 | 1.41 | -0.27 | -1.38 |
| 10,768.00 | 91.63 | 179.29 | 6,570.88 | -3,975.08 | -699.09 | 3,978.92 | 2.04 | 0.65 | 1.94 |
| 10,863.00 | 90.13 | 178.94 | 6,569.42 | -4,070.06 | -697.62 | 4,073.89 | 1.62 | -1.58 | -0.37 |
| 10,957.00 | 89.87 | 176.65 | 6,569.42 | -4,163.98 | -694.01 | 4,167.79 | 2.45 | -0.28 | -2.44 |
| 11,052.00 | 89.65 | 178.68 | 6,569.82 | -4,258.90 | -690.14 | 4,262.68 | 2.15 | -0.23 | 2.14 |
| 11,147.00 | 90.57 | 177.45 | 6,569.64 | -4,353.84 | -686.93 | 4,357.61 | 1.62 | 0.97 | -1.29 |
| 11,242.00 | 89.65 | 182.37 | 6,569.46 | -4,448.81 | -686.78 | 4,452.57 | 5.27 | -0.97 | 5.18 |
| 11,336.00 | 91.32 | 183.77 | 6,568.66 | -4,542.66 | -691.82 | 4,546.46 | 2.32 | 1.78 | 1.49 |
| 11,431.00 | 90.53 | 185.88 | 6,567.13 | -4,637.31 | -699.80 | 4,641.15 | 2.37 | -0.83 | 2.22 |
| 11,526.00 | 88.81 | 182.01 | 6,567.68 | -4,732.06 | -706.34 | 4,735.93 | 4.46 | -1.81 | -4.07 |
| 11,621.00 | 89.82 | 183.16 | 6,568.81 | -4,826.95 | -710.62 | 4,830.85 | 1.61 | 1.06 | 1.21 |
| 11,715.00 | 91.19 | 184.56 | 6,567.98 | -4,920.73 | -716.95 | 4,924.66 | 2.08 | 1.46 | 1.49 |
| 11,810.00 | 89.47 | 181.31 | 6,567.44 | -5,015.59 | -721.81 | 5,019.54 | 3.87 | -1.81 | -3.42 |
| 11,905.00 | 90.75 | 182.54 | 6,567.25 | -5,110.53 | -725.00 | 5,114.50 | 1.87 | 1.35 | 1.29 |
| 12,000.00 | 90.35 | 179.12 | 6,566.34 | -5,205.50 | -726.38 | 5,209.48 | 3.62 | -0.42 | -3.60 |
| 12,095.00 | 89.69 | 175.69 | 6,566.31 | -5,300.39 | -722.08 | 5,304.34 | 3.68 | -0.69 | -3.61 |
| 12,189.00 | 90.79 | 179.82 | 6,565.91 | -5,394.30 | -718.40 | 5,398.23 | 4.55 | 1.17 | 4.39 |
| 12,284.00 | 91.23 | 178.76 | 6,564.24 | -5,489.27 | -717.22 | 5,493.19 | 1.21 | 0.46 | -1.12 |
| 12,379.00 | 90.13 | 179.73 | 6,563.11 | -5,584.26 | -715.97 | 5,588.17 | 1.54 | -1.16 | 1.02 |
| 12,473.00 | 91.27 | 181.05 | 6,561.96 | -5,678.24 | -716.61 | 5,682.16 | 1.86 | 1.21 | 1.40 |
| 12,568.00 | 92.55 | 182.01 | 6,558.80 | -5,773.15 | -719.14 | 5,777.08 | 1.68 | 1.35 | 1.01 |
| 12,663.00 | 90.26 | 179.38 | 6,556.47 | -5,868.10 | -720.30 | 5,872.04 | 3.67 | -2.41 | -2.77 |
| 12,758.00 | 90.04 | 176.57 | 6,556.22 | -5,963.03 | -716.94 | 5,966.95 | 2.97 | -0.23 | -2.96 |
| 12,853.00 | 87.98 | 176.83 | 6,557.86 | -6,057.86 | -711.47 | 6,061.74 | 2.19 | -2.17 | 0.27 |
| 12,947.00 | 89.08 | 179.38 | 6,560.27 | -6,151.77 | -708.36 | 6,155.63 | 2.95 | 1.17 | 2.71 |
| 13,042.00 | 89.39 | 179.12 | 6,561.54 | -6,246.75 | -707.12 | 6,250.60 | 0.43 | 0.33 | -0.27 |
| 13,137.00 | 89.91 | 178.24 | 6,562.12 | -6,341.72 | -704.93 | 6,345.56 | 1.08 | 0.55 | -0.93 |
| 13,231.00 | 88.15 | 181.40 | 6,563.71 | -6,435.69 | -704.64 | 6,439.53 | 3.85 | -1.87 | 3.36 |
| 13,326.00 | 89.25 | 182.01 | 6,565.87 | -6,530.62 | -707.46 | 6,534.47 | 1.32 | 1.16 | 0.64 |
| 13,421.00 | 91.23 | 181.40 | 6,565.47 | -6,625.58 | -710.29 | 6,629.44 | 2.18 | 2.08 | -0.64 |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | EP Energy E&P Company, L.P. | Local Co-ordinate Reference: | Well GH |
| Project: | Crockett Co, TX | TVD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Site: | University Salt Draw 4101 | MD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Well: | GH | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Surveys | Database: | Ryan USA |

| Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 13,516.00 | 89.87 | 178.76 | 6,564.56 | -6,720.56 | -710.42 | 6,724.42 | 3.13 | -1.43 | -2.78 |
| 13,610.00 | 88.33 | 178.41 | 6,566.03 | -6,814.52 | -708.10 | 6,818.37 | 1.68 | -1.64 | -0.37 |
| 13,705.00 | 92.02 | 180.35 | 6,565.74 | -6,909.49 | -707.07 | 6,913.33 | 4.39 | 3.88 | 2.04 |
| 13,800.00 | 92.50 | 179.20 | 6,562.00 | -7,004.41 | -706.70 | 7,008.25 | 1.31 | 0.51 | -1.21 |
| 13,895.00 | 91.76 | 180.35 | 6,558.47 | -7,099.34 | -706.33 | 7,103.18 | 1.44 | -0.78 | 1.21 |
| 13,989.00 | 92.07 | 179.91 | 6,555.32 | -7,193.29 | -706.54 | 7,197.13 | 0.57 | 0.33 | -0.47 |
| 14,084.00 | 90.48 | 176.21 | 6,553.21 | -7,288.19 | -703.33 | 7,292.01 | 4.24 | -1.67 | -3.89 |
| 14,179.00 | 89.39 | 178.76 | 6,553.32 | -7,383.09 | -699.16 | 7,386.88 | 2.92 | -1.15 | 2.68 |
| 14,274.00 | 90.13 | 182.19 | 6,553.72 | -7,478.07 | -699.94 | 7,481.87 | 3.69 | 0.78 | 3.61 |
| 14,369.00 | 90.97 | 181.66 | 6,552.80 | -7,573.02 | -703.14 | 7,576.82 | 1.05 | 0.88 | -0.56 |
| 14,462.00 | 91.71 | 181.49 | 6,550.63 | -7,665.95 | -705.69 | 7,669.78 | 0.82 | 0.80 | -0.18 |
| 14,557.00 | 91.85 | 180.43 | 6,547.68 | -7,760.89 | -707.28 | 7,764.72 | 1.12 | 0.15 | -1.12 |
| 14,652.00 | 92.20 | 179.20 | 6,544.32 | -7,855.83 | -706.98 | 7,859.66 | 1.35 | 0.37 | -1.29 |
| 14,746.00 | 90.35 | 180.78 | 6,542.23 | -7,949.80 | -706.96 | 7,953.63 | 2.59 | -1.97 | 1.68 |
| 14,841.00 | 89.47 | 182.98 | 6,542.38 | -8,044.74 | -710.08 | 8,048.58 | 2.49 | -0.93 | 2.32 |
| 14,936.00 | 90.35 | 181.22 | 6,542.53 | -8,139.67 | -713.56 | 8,143.53 | 2.07 | 0.93 | -1.85 |
| 15,031.00 | 88.77 | 182.63 | 6,543.26 | -8,234.61 | -716.75 | 8,238.49 | 2.23 | -1.66 | 1.48 |
| 15,126.00 | 89.74 | 183.16 | 6,544.49 | -8,329.48 | -721.55 | 8,333.38 | 1.16 | 1.02 | 0.56 |
| 15,220.00 | 90.26 | 182.37 | 6,544.49 | -8,423.37 | -726.08 | 8,427.30 | 1.01 | 0.55 | -0.84 |
| 15,315.00 | 91.41 | 182.81 | 6,543.11 | -8,518.26 | -730.37 | 8,522.21 | 1.30 | 1.21 | 0.46 |
| 15,410.00 | 90.83 | 180.61 | 6,541.25 | -8,613.20 | -733.21 | 8,617.16 | 2.39 | -0.61 | -2.32 |
| 15,504.00 | 90.04 | 177.62 | 6,540.54 | -8,707.17 | -731.75 | 8,711.12 | 3.29 | -0.84 | -3.18 |
| 15,599.00 | 88.59 | 179.29 | 6,541.67 | -8,802.12 | -729.19 | 8,806.06 | 2.33 | -1.53 | 1.76 |
| 15,694.00 | 89.12 | 179.29 | 6,543.57 | -8,897.10 | -728.02 | 8,901.02 | 0.56 | 0.56 | 0.00 |
| 15,789.00 | 89.21 | 177.62 | 6,544.96 | -8,992.05 | -725.45 | 8,995.96 | 1.76 | 0.09 | -1.76 |
| 15,883.00 | 89.12 | 180.61 | 6,546.33 | -9,086.02 | -724.00 | 9,089.92 | 3.18 | -0.10 | 3.18 |
| 15,977.00 | 89.69 | 181.84 | 6,547.30 | -9,179.99 | -726.01 | 9,183.90 | 1.44 | 0.61 | 1.31 |
| 16,072.00 | 90.44 | 181.66 | 6,547.20 | -9,274.94 | -728.91 | 9,278.87 | 0.81 | 0.79 | -0.19 |
| 16,167.00 | 91.14 | 181.93 | 6,545.89 | -9,369.89 | -731.89 | 9,373.83 | 0.79 | 0.74 | 0.28 |
| 16,261.00 | 91.80 | 182.28 | 6,543.47 | -9,463.79 | -735.34 | 9,467.75 | 0.79 | 0.70 | 0.37 |
| 16,356.00 | 92.46 | 181.75 | 6,539.94 | -9,558.67 | -738.68 | 9,562.64 | 0.89 | 0.69 | -0.56 |
| 16,450.00 | 89.87 | 181.05 | 6,538.03 | -9,652.61 | -740.97 | 9,656.60 | 2.85 | -2.76 | -0.74 |
| 16,545.00 | 91.54 | 183.60 | 6,536.86 | -9,747.51 | -744.83 | 9,751.52 | 3.21 | 1.76 | 2.68 |
| 16,639.00 | 90.00 | 180.96 | 6,535.60 | -9,841.42 | -748.57 | 9,845.45 | 3.25 | -1.64 | -2.81 |
| 16,733.00 | 90.88 | 179.91 | 6,534.88 | -9,935.41 | -749.28 | 9,939.44 | 1.46 | 0.94 | -1.12 |
| 16,828.00 | 90.09 | 178.59 | 6,534.07 | -10,030.40 | -748.04 | 10,034.42 | 1.62 | -0.83 | -1.39 |
| 16,922.00 | 90.18 | 177.45 | 6,533.85 | -10,124.34 | -744.79 | 10,128.34 | 1.22 | 0.10 | -1.21 |
| 17,017.00 | 89.91 | 176.21 | 6,533.78 | -10,219.19 | -739.54 | 10,223.16 | 1.34 | -0.28 | -1.31 |
| 17,111.00 | 90.75 | 175.34 | 6,533.24 | -10,312.93 | -732.61 | 10,316.86 | 1.29 | 0.89 | -0.93 |
| 17,206.00 | 90.70 | 173.49 | 6,532.03 | -10,407.47 | -723.37 | 10,411.35 | 1.95 | -0.05 | -1.95 |
| 17,244.00 | 90.18 | 172.87 | 6,531.74 | -10,445.20 | -718.85 | 10,449.05 | 2.13 | -1.37 | -1.63 |
| 17,295.00 | 90.18 | 172.87 | 6,531.58 | -10,495.81 | -712.52 | 10,499.62 | 0.00 | 0.00 | 0.00 |
| PTB | | | | | | | | | |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | EP Energy E&P Company, L.P. | Local Co-ordinate Reference: | Well GH |
| Project: | Crockett Co, TX | TVD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Site: | University Salt Draw 4101 | MD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Well: | GH | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Surveys | Database: | Ryan USA |

| Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| | | | | | | | | | |

| Design Annotations | | | | |
|---------------------|---------------------|-------------------|------------|---------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
| | | +N/-S (ft) | +E/-W (ft) | |
| 17,295.00 | 6,531.58 | -10,495.81 | -712.52 | PTB |

| | | |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|



EP Energy E&P Company, L.P.

Crockett Co, TX

University Salt Draw 4101

GH

OH

Design: Surveys

Completion Report

15 June, 2016



| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | EP Energy E&P Company, L.P. | Local Co-ordinate Reference: | Well GH |
| Project: | Crockett Co, TX | TVD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27')) |
| Site: | University Salt Draw 4101 | MD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27')) |
| Well: | GH | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Surveys | Database: | RyanUSA_Compass |

| | | | |
|--------------------|--------------------------------------|----------------------|----------------|
| Project | Crockett Co, TX, Crockett Co, TX | | |
| Map System: | US State Plane 1927 (Exact solution) | System Datum: | Mean Sea Level |
| Geo Datum: | NAD 1927 (NADCON CONUS) | | |
| Map Zone: | Texas Central 4203 | | |

| | | | |
|------------------------------|---------------------------|--------------------------|--------------------|
| Site | University Salt Draw 4101 | | |
| Site Position: | | Northing: | 499,193.540 usft |
| From: | Map | Easting: | 1,754,274.080 usft |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13-3/16 " |
| | | Latitude: | 31° 2' 12.79212 N |
| | | Longitude: | 101° 7' 4.61783 W |
| | | Grid Convergence: | -0.40 ° |

| Well | | GH | | | | |
|----------------------|-------|---------|---------------------|--------------------|---------------|-------------------|
| Well Position | +N/-S | 0.00 ft | Northing: | 499,193.450 usft | Latitude: | 31° 2' 12.79542 N |
| | +E/-W | 0.00 ft | Easting: | 1,754,334.080 usft | Longitude: | 101° 7' 3.92814 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | 0.00 ft | Ground Level: | 2,624.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM | 5/20/2016 | 5.57 | 59.67 | 47,674 |

| | | | | |
|--------------------------|------------------------------|-------------------|-------------------|---------------------------|
| Design | Surveys | | | |
| Audit Notes: | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 180.32 |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | EP Energy E&P Company, L.P. | Local Co-ordinate Reference: | Well GH |
| Project: | Crockett Co, TX | TVD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Site: | University Salt Draw 4101 | MD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Well: | GH | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Surveys | Database: | RyanUSA_Compass |

| Survey Program | | Date 6/14/2016 | | |
|----------------|-----------|-------------------|-----------|-----------------------|
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description |
| 27.00 | 932.00 | Survey #1 (OH) | GYRO-NS | OWSG Gyrocompass Gyro |
| 1,057.00 | 17,295.00 | NDS MWD (OH) | MWD+HRGM | OWSG MWD + HRGM |

| Survey | | | | | | | | | | |
|---------|----------|---------|----------|----------|----------|---------|---------------|-----------------------|---------------------|------|
| MD (ft) | Incl (°) | Azm (°) | TVD (ft) | N/S (ft) | E/W (ft) | VS (ft) | DLS (°/100ft) | Closure Distance (ft) | Closure Azimuth (°) | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 27.00 | 0.00 | 0.00 | 27.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 77.00 | 0.57 | 316.89 | 77.00 | 0.18 | -0.17 | -0.18 | 1.14 | 0.25 | 316.89 | |
| 127.00 | 0.63 | 307.24 | 127.00 | 0.53 | -0.56 | -0.53 | 0.23 | 0.77 | 313.46 | |
| 177.00 | 0.74 | 301.65 | 176.99 | 0.87 | -1.05 | -0.86 | 0.26 | 1.36 | 309.42 | |
| 227.00 | 0.67 | 289.52 | 226.99 | 1.13 | -1.60 | -1.12 | 0.33 | 1.96 | 305.24 | |
| 277.00 | 0.75 | 281.09 | 276.99 | 1.29 | -2.20 | -1.28 | 0.26 | 2.55 | 300.45 | |
| 327.00 | 0.53 | 285.20 | 326.98 | 1.42 | -2.74 | -1.40 | 0.45 | 3.09 | 297.31 | |
| 377.00 | 0.45 | 271.21 | 376.98 | 1.48 | -3.16 | -1.46 | 0.29 | 3.49 | 295.09 | |
| 427.00 | 0.40 | 273.21 | 426.98 | 1.50 | -3.53 | -1.48 | 0.10 | 3.84 | 292.93 | |
| 477.00 | 0.40 | 265.17 | 476.98 | 1.49 | -3.88 | -1.47 | 0.11 | 4.16 | 291.00 | |
| 527.00 | 0.13 | 288.27 | 526.98 | 1.49 | -4.11 | -1.47 | 0.57 | 4.37 | 289.97 | |
| 577.00 | 0.16 | 287.66 | 576.98 | 1.53 | -4.23 | -1.51 | 0.06 | 4.50 | 289.91 | |
| 627.00 | 0.12 | 300.33 | 626.98 | 1.58 | -4.34 | -1.56 | 0.10 | 4.62 | 290.00 | |
| 677.00 | 0.04 | 126.70 | 676.98 | 1.60 | -4.37 | -1.57 | 0.32 | 4.66 | 290.05 | |
| 727.00 | 0.13 | 96.66 | 726.98 | 1.58 | -4.30 | -1.55 | 0.19 | 4.58 | 290.15 | |
| 777.00 | 0.13 | 11.66 | 776.98 | 1.63 | -4.23 | -1.60 | 0.35 | 4.54 | 291.03 | |
| 827.00 | 0.25 | 53.44 | 826.98 | 1.75 | -4.14 | -1.73 | 0.35 | 4.49 | 292.92 | |
| 877.00 | 0.23 | 49.95 | 876.98 | 1.88 | -3.97 | -1.86 | 0.05 | 4.39 | 295.31 | |
| 927.00 | 0.35 | 72.29 | 926.98 | 1.99 | -3.75 | -1.97 | 0.33 | 4.24 | 297.95 | |
| 932.00 | 0.32 | 71.04 | 931.98 | 2.00 | -3.72 | -1.98 | 0.62 | 4.22 | 298.23 | |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | EP Energy E&P Company, L.P. | Local Co-ordinate Reference: | Well GH |
| Project: | Crockett Co, TX | TVD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Site: | University Salt Draw 4101 | MD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Well: | GH | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Surveys | Database: | RyanUSA_Compass |

| Survey | | | | | | | | | | |
|------------|-------------|------------|-------------|-------------|-------------|------------|------------------|--------------------------|------------------------|--|
| MD (ft) | Incl (°) | Azm (°) | TVD (ft) | N/S (ft) | E/W (ft) | VS (ft) | DLS (°/100ft) | Closure Distance (ft) | Closure Azimuth (°) | |
| 1,057.00 | 0.31 | 161.98 | 1,056.97 | 1.79 | -3.29 | -1.77 | 0.36 | 3.74 | 298.58 | |
| 1,088.00 | 0.53 | 169.01 | 1,087.97 | 1.57 | -3.23 | -1.55 | 0.73 | 3.59 | 295.89 | |
| 1,182.00 | 2.86 | 188.08 | 1,181.93 | -1.18 | -3.48 | 1.20 | 2.52 | 3.67 | 251.28 | |
| 1,277.00 | 2.77 | 243.01 | 1,276.83 | -4.57 | -5.86 | 4.60 | 2.73 | 7.43 | 232.06 | |
| 1,371.00 | 4.22 | 265.60 | 1,370.65 | -5.86 | -11.33 | 5.93 | 2.10 | 12.76 | 242.64 | |
| 1,466.00 | 6.64 | 286.69 | 1,465.23 | -4.55 | -20.08 | 4.67 | 3.26 | 20.59 | 257.22 | |
| 1,561.00 | 7.56 | 288.63 | 1,559.50 | -0.98 | -31.26 | 1.16 | 1.00 | 31.28 | 268.20 | |
| 1,655.00 | 8.44 | 304.80 | 1,652.60 | 4.93 | -42.79 | -4.69 | 2.56 | 43.07 | 276.58 | |
| 1,845.00 | 9.80 | 305.15 | 1,840.19 | 22.20 | -67.46 | -21.82 | 0.72 | 71.02 | 288.22 | |
| 2,034.00 | 12.26 | 300.05 | 2,025.69 | 41.51 | -97.99 | -40.96 | 1.40 | 106.42 | 292.96 | |
| 2,224.00 | 12.31 | 295.04 | 2,211.34 | 60.19 | -133.80 | -59.44 | 0.56 | 146.71 | 294.22 | |
| 2,413.00 | 13.36 | 296.62 | 2,395.62 | 78.50 | -171.58 | -77.54 | 0.59 | 188.68 | 294.58 | |
| 2,602.00 | 11.82 | 296.36 | 2,580.07 | 96.88 | -208.45 | -95.71 | 0.82 | 229.86 | 294.93 | |
| 2,792.00 | 12.13 | 293.81 | 2,765.94 | 113.58 | -244.15 | -112.21 | 0.32 | 269.27 | 294.95 | |
| 2,982.00 | 11.38 | 294.69 | 2,951.95 | 129.47 | -279.44 | -127.90 | 0.41 | 307.98 | 294.86 | |
| 3,171.00 | 11.25 | 298.38 | 3,137.28 | 146.02 | -312.60 | -144.27 | 0.39 | 345.03 | 295.04 | |
| 3,360.00 | 12.22 | 312.18 | 3,322.36 | 168.22 | -343.65 | -166.30 | 1.57 | 382.62 | 296.08 | |
| 3,549.00 | 13.67 | 313.59 | 3,506.56 | 197.05 | -374.65 | -194.95 | 0.79 | 423.31 | 297.74 | |
| 3,739.00 | 12.70 | 313.76 | 3,691.54 | 226.98 | -406.00 | -224.70 | 0.51 | 465.14 | 299.21 | |
| 3,928.00 | 12.00 | 303.30 | 3,876.19 | 252.13 | -437.43 | -249.69 | 1.24 | 504.89 | 299.96 | |
| 4,118.00 | 11.34 | 295.92 | 4,062.28 | 271.15 | -470.74 | -268.51 | 0.86 | 543.25 | 299.94 | |
| 4,308.00 | 12.66 | 284.67 | 4,248.14 | 284.59 | -507.69 | -281.75 | 1.41 | 582.01 | 299.27 | |
| 4,497.00 | 10.24 | 287.66 | 4,433.37 | 294.93 | -543.74 | -291.89 | 1.32 | 618.58 | 298.48 | |
| 4,687.00 | 7.95 | 291.17 | 4,620.97 | 304.80 | -572.09 | -301.60 | 1.24 | 648.22 | 298.05 | |
| 4,875.00 | 5.19 | 288.10 | 4,807.72 | 312.14 | -592.30 | -308.82 | 1.48 | 669.51 | 297.79 | |
| 5,065.00 | 4.92 | 300.67 | 4,996.99 | 318.96 | -607.48 | -315.57 | 0.60 | 686.12 | 297.70 | |
| 5,254.00 | 3.08 | 298.29 | 5,185.52 | 325.50 | -618.92 | -322.04 | 0.98 | 699.30 | 297.74 | |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | EP Energy E&P Company, L.P. | Local Co-ordinate Reference: | Well GH |
| Project: | Crockett Co, TX | TVD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Site: | University Salt Draw 4101 | MD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Well: | GH | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Surveys | Database: | RyanUSA_Compass |

| Survey | | | | | | | | | |
|------------|-------------|------------|-------------|-------------|-------------|------------|------------------|--------------------------|------------------------|
| MD (ft) | Incl (°) | Azm (°) | TVD (ft) | N/S (ft) | E/W (ft) | VS (ft) | DLS (°/100ft) | Closure Distance (ft) | Closure Azimuth (°) |
| 5,444.00 | 0.83 | 302.69 | 5,375.39 | 328.67 | -624.57 | -325.17 | 1.19 | 705.77 | 297.75 |
| 5,634.00 | 0.18 | 272.45 | 5,565.39 | 329.42 | -626.03 | -325.92 | 0.36 | 707.41 | 297.75 |
| 5,824.00 | 0.18 | 121.46 | 5,755.39 | 329.28 | -626.07 | -325.78 | 0.18 | 707.38 | 297.74 |
| 6,012.00 | 0.35 | 118.21 | 5,943.38 | 328.85 | -625.32 | -325.36 | 0.09 | 706.52 | 297.74 |
| 6,130.00 | 0.40 | 134.99 | 6,061.38 | 328.39 | -624.71 | -324.90 | 0.10 | 705.76 | 297.73 |
| 6,198.00 | 2.15 | 171.12 | 6,129.36 | 326.97 | -624.34 | -323.47 | 2.71 | 704.78 | 297.64 |
| 6,230.00 | 6.06 | 177.97 | 6,161.27 | 324.68 | -624.19 | -321.19 | 12.29 | 703.58 | 297.48 |
| 6,261.00 | 10.15 | 178.59 | 6,191.96 | 320.32 | -624.06 | -316.82 | 13.20 | 701.47 | 297.17 |
| 6,293.00 | 13.45 | 185.79 | 6,223.28 | 313.79 | -624.37 | -310.30 | 11.27 | 698.79 | 296.68 |
| 6,325.00 | 17.18 | 189.49 | 6,254.14 | 305.42 | -625.53 | -301.93 | 12.04 | 696.11 | 296.02 |
| 6,356.00 | 20.70 | 187.99 | 6,283.46 | 295.48 | -627.04 | -291.97 | 11.46 | 693.17 | 295.23 |
| 6,388.00 | 23.82 | 184.83 | 6,313.07 | 283.44 | -628.37 | -279.92 | 10.44 | 689.34 | 294.28 |
| 6,419.00 | 26.54 | 186.85 | 6,341.12 | 270.32 | -629.73 | -266.80 | 9.20 | 685.29 | 293.23 |
| 6,482.00 | 32.96 | 184.65 | 6,395.79 | 239.23 | -632.80 | -235.69 | 10.34 | 676.51 | 290.71 |
| 6,546.00 | 42.32 | 186.23 | 6,446.41 | 200.37 | -636.56 | -196.82 | 14.70 | 667.35 | 287.47 |
| 6,577.00 | 46.45 | 187.38 | 6,468.56 | 178.85 | -639.13 | -175.28 | 13.57 | 663.68 | 285.63 |
| 6,672.00 | 58.80 | 186.76 | 6,526.12 | 104.07 | -648.37 | -100.45 | 13.01 | 656.67 | 279.12 |
| 6,703.00 | 63.41 | 186.67 | 6,541.10 | 77.12 | -651.54 | -73.48 | 14.87 | 656.09 | 276.75 |
| 6,735.00 | 67.15 | 186.76 | 6,554.48 | 48.26 | -654.94 | -44.60 | 11.69 | 656.72 | 274.21 |
| 6,766.00 | 69.83 | 184.92 | 6,565.84 | 19.57 | -657.87 | -15.90 | 10.26 | 658.16 | 271.70 |
| 6,798.00 | 72.16 | 182.63 | 6,576.26 | -10.61 | -659.86 | 14.30 | 9.94 | 659.95 | 269.08 |
| 6,829.00 | 74.53 | 181.57 | 6,585.15 | -40.29 | -660.95 | 43.98 | 8.32 | 662.17 | 266.51 |
| 6,885.00 | 81.12 | 180.96 | 6,596.95 | -94.99 | -662.15 | 98.68 | 11.82 | 668.93 | 261.84 |
| 6,980.00 | 90.26 | 181.66 | 6,604.08 | -189.59 | -664.32 | 193.30 | 9.65 | 690.84 | 254.07 |
| 7,075.00 | 90.92 | 179.73 | 6,603.11 | -284.58 | -665.47 | 288.29 | 2.15 | 723.76 | 246.85 |
| 7,170.00 | 92.50 | 180.35 | 6,600.27 | -379.53 | -665.54 | 383.24 | 1.79 | 766.15 | 240.31 |
| 7,264.00 | 91.06 | 179.82 | 6,597.35 | -473.48 | -665.68 | 477.19 | 1.63 | 816.89 | 234.58 |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | EP Energy E&P Company, L.P. | Local Co-ordinate Reference: | Well GH |
| Project: | Crockett Co, TX | TVD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Site: | University Salt Draw 4101 | MD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Well: | GH | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Surveys | Database: | RyanUSA_Compass |

| Survey | | | | | | | | | | |
|------------|-------------|------------|-------------|-------------|-------------|------------|------------------|--------------------------|------------------------|--|
| MD (ft) | Incl (°) | Azm (°) | TVD (ft) | N/S (ft) | E/W (ft) | VS (ft) | DLS (°/100ft) | Closure Distance (ft) | Closure Azimuth (°) | |
| 7,359.00 | 91.19 | 177.80 | 6,595.49 | -568.44 | -663.70 | 572.14 | 2.13 | 873.86 | 229.42 | |
| 7,453.00 | 89.69 | 178.85 | 6,594.76 | -662.39 | -660.96 | 666.07 | 1.95 | 935.75 | 224.94 | |
| 7,548.00 | 91.06 | 181.49 | 6,594.14 | -757.38 | -661.24 | 761.06 | 3.13 | 1,005.41 | 221.12 | |
| 7,642.00 | 90.53 | 181.84 | 6,592.84 | -851.33 | -663.97 | 855.02 | 0.68 | 1,079.64 | 217.95 | |
| 7,737.00 | 89.43 | 181.22 | 6,592.87 | -946.29 | -666.51 | 950.00 | 1.33 | 1,157.45 | 215.16 | |
| 7,831.00 | 90.57 | 181.66 | 6,592.87 | -1,040.26 | -668.87 | 1,043.98 | 1.30 | 1,236.74 | 212.74 | |
| 7,926.00 | 91.14 | 182.01 | 6,591.45 | -1,135.20 | -671.91 | 1,138.94 | 0.70 | 1,319.14 | 210.62 | |
| 8,020.00 | 91.45 | 181.57 | 6,589.33 | -1,229.13 | -674.84 | 1,232.88 | 0.57 | 1,402.20 | 208.77 | |
| 8,115.00 | 91.23 | 179.20 | 6,587.11 | -1,324.10 | -675.48 | 1,327.85 | 2.50 | 1,486.44 | 207.03 | |
| 8,210.00 | 91.06 | 175.95 | 6,585.21 | -1,418.98 | -671.46 | 1,422.71 | 3.43 | 1,569.83 | 205.32 | |
| 8,305.00 | 88.46 | 177.27 | 6,585.61 | -1,513.80 | -665.85 | 1,517.50 | 3.07 | 1,653.77 | 203.74 | |
| 8,400.00 | 88.51 | 180.35 | 6,588.12 | -1,608.74 | -663.88 | 1,612.42 | 3.24 | 1,740.33 | 202.42 | |
| 8,495.00 | 88.73 | 179.64 | 6,590.41 | -1,703.71 | -663.87 | 1,707.39 | 0.78 | 1,828.48 | 201.29 | |
| 8,589.00 | 89.69 | 180.35 | 6,591.70 | -1,797.70 | -663.86 | 1,801.38 | 1.27 | 1,916.36 | 200.27 | |
| 8,684.00 | 91.71 | 181.57 | 6,590.54 | -1,892.67 | -665.45 | 1,896.36 | 2.48 | 2,006.25 | 199.37 | |
| 8,779.00 | 91.41 | 183.16 | 6,587.95 | -1,987.55 | -669.37 | 1,991.26 | 1.70 | 2,097.24 | 198.61 | |
| 8,874.00 | 91.23 | 183.68 | 6,585.77 | -2,082.36 | -675.03 | 2,086.09 | 0.58 | 2,189.04 | 197.96 | |
| 8,968.00 | 89.87 | 181.57 | 6,584.86 | -2,176.25 | -679.34 | 2,180.01 | 2.67 | 2,279.81 | 197.34 | |
| 9,063.00 | 89.87 | 181.05 | 6,585.08 | -2,271.22 | -681.51 | 2,274.99 | 0.55 | 2,371.27 | 196.70 | |
| 9,158.00 | 90.57 | 181.93 | 6,584.71 | -2,366.19 | -683.98 | 2,369.97 | 1.18 | 2,463.06 | 196.12 | |
| 9,253.00 | 91.23 | 183.86 | 6,583.22 | -2,461.05 | -688.78 | 2,464.86 | 2.15 | 2,555.62 | 195.64 | |
| 9,347.00 | 90.35 | 184.21 | 6,581.93 | -2,554.81 | -695.39 | 2,558.65 | 1.01 | 2,647.75 | 195.23 | |
| 9,442.00 | 91.45 | 181.14 | 6,580.43 | -2,649.68 | -699.82 | 2,653.54 | 3.43 | 2,740.54 | 194.79 | |
| 9,537.00 | 90.83 | 176.65 | 6,578.54 | -2,744.62 | -697.99 | 2,748.47 | 4.77 | 2,831.98 | 194.27 | |
| 9,632.00 | 89.69 | 178.24 | 6,578.11 | -2,839.52 | -693.76 | 2,843.35 | 2.06 | 2,923.04 | 193.73 | |
| 9,727.00 | 91.45 | 180.96 | 6,577.17 | -2,934.50 | -693.09 | 2,938.32 | 3.41 | 3,015.24 | 193.29 | |
| 9,822.00 | 89.60 | 181.66 | 6,576.30 | -3,029.46 | -695.27 | 3,033.30 | 2.08 | 3,108.22 | 192.93 | |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | EP Energy E&P Company, L.P. | Local Co-ordinate Reference: | Well GH |
| Project: | Crockett Co, TX | TVD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Site: | University Salt Draw 4101 | MD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Well: | GH | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Surveys | Database: | RyanUSA_Compass |

| Survey | | | | | | | | | |
|------------|-------------|------------|-------------|-------------|-------------|------------|------------------|--------------------------|------------------------|
| MD (ft) | Incl (°) | Azm (°) | TVD (ft) | N/S (ft) | E/W (ft) | VS (ft) | DLS (°/100ft) | Closure Distance (ft) | Closure Azimuth (°) |
| 9,916.00 | 89.91 | 181.93 | 6,576.70 | -3,123.42 | -698.21 | 3,127.27 | 0.44 | 3,200.50 | 192.60 |
| 10,010.00 | 89.34 | 179.38 | 6,577.31 | -3,217.40 | -699.29 | 3,221.25 | 2.78 | 3,292.52 | 192.26 |
| 10,105.00 | 88.29 | 180.17 | 6,579.28 | -3,312.38 | -698.91 | 3,316.23 | 1.38 | 3,385.31 | 191.91 |
| 10,199.00 | 90.75 | 181.31 | 6,580.07 | -3,406.36 | -700.13 | 3,410.21 | 2.88 | 3,477.56 | 191.61 |
| 10,294.00 | 91.71 | 182.10 | 6,578.03 | -3,501.29 | -702.95 | 3,505.16 | 1.31 | 3,571.16 | 191.35 |
| 10,389.00 | 89.96 | 180.78 | 6,576.64 | -3,596.24 | -705.34 | 3,600.13 | 2.31 | 3,664.76 | 191.10 |
| 10,483.00 | 90.40 | 179.99 | 6,576.35 | -3,690.24 | -705.97 | 3,694.13 | 0.96 | 3,757.16 | 190.83 |
| 10,578.00 | 91.27 | 178.76 | 6,574.96 | -3,785.22 | -704.93 | 3,789.10 | 1.59 | 3,850.30 | 190.55 |
| 10,673.00 | 91.01 | 177.45 | 6,573.07 | -3,880.15 | -701.79 | 3,884.01 | 1.41 | 3,943.11 | 190.25 |
| 10,768.00 | 91.63 | 179.29 | 6,570.88 | -3,975.08 | -699.09 | 3,978.92 | 2.04 | 4,036.09 | 189.97 |
| 10,863.00 | 90.13 | 178.94 | 6,569.42 | -4,070.06 | -697.62 | 4,073.89 | 1.62 | 4,129.41 | 189.73 |
| 10,957.00 | 89.87 | 176.65 | 6,569.42 | -4,163.98 | -694.01 | 4,167.79 | 2.45 | 4,221.42 | 189.46 |
| 11,052.00 | 89.65 | 178.68 | 6,569.82 | -4,258.90 | -690.14 | 4,262.68 | 2.15 | 4,314.45 | 189.20 |
| 11,147.00 | 90.57 | 177.45 | 6,569.64 | -4,353.84 | -686.93 | 4,357.61 | 1.62 | 4,407.70 | 188.97 |
| 11,242.00 | 89.65 | 182.37 | 6,569.46 | -4,448.81 | -686.78 | 4,452.57 | 5.27 | 4,501.51 | 188.78 |
| 11,336.00 | 91.32 | 183.77 | 6,568.66 | -4,542.66 | -691.82 | 4,546.46 | 2.32 | 4,595.04 | 188.66 |
| 11,431.00 | 90.53 | 185.88 | 6,567.13 | -4,637.31 | -699.80 | 4,641.15 | 2.37 | 4,689.81 | 188.58 |
| 11,526.00 | 88.81 | 182.01 | 6,567.68 | -4,732.06 | -706.34 | 4,735.93 | 4.46 | 4,784.49 | 188.49 |
| 11,621.00 | 89.82 | 183.16 | 6,568.81 | -4,826.95 | -710.62 | 4,830.85 | 1.61 | 4,878.98 | 188.37 |
| 11,715.00 | 91.19 | 184.56 | 6,567.98 | -4,920.73 | -716.95 | 4,924.66 | 2.08 | 4,972.69 | 188.29 |
| 11,810.00 | 89.47 | 181.31 | 6,567.44 | -5,015.59 | -721.81 | 5,019.54 | 3.87 | 5,067.26 | 188.19 |
| 11,905.00 | 90.75 | 182.54 | 6,567.25 | -5,110.53 | -725.00 | 5,114.50 | 1.87 | 5,161.70 | 188.07 |
| 12,000.00 | 90.35 | 179.12 | 6,566.34 | -5,205.50 | -726.38 | 5,209.48 | 3.62 | 5,255.94 | 187.94 |
| 12,095.00 | 89.69 | 175.69 | 6,566.31 | -5,300.39 | -722.08 | 5,304.34 | 3.68 | 5,349.35 | 187.76 |
| 12,189.00 | 90.79 | 179.82 | 6,565.91 | -5,394.30 | -718.40 | 5,398.23 | 4.55 | 5,441.92 | 187.59 |
| 12,284.00 | 91.23 | 178.76 | 6,564.24 | -5,489.27 | -717.22 | 5,493.19 | 1.21 | 5,535.93 | 187.44 |
| 12,379.00 | 90.13 | 179.73 | 6,563.11 | -5,584.26 | -715.97 | 5,588.17 | 1.54 | 5,629.97 | 187.31 |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | EP Energy E&P Company, L.P. | Local Co-ordinate Reference: | Well GH |
| Project: | Crockett Co, TX | TVD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Site: | University Salt Draw 4101 | MD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Well: | GH | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Surveys | Database: | RyanUSA_Compass |

| Survey | | | | | | | | | | |
|------------|-------------|------------|-------------|-------------|-------------|------------|------------------|--------------------------|------------------------|--|
| MD (ft) | Incl (°) | Azm (°) | TVD (ft) | N/S (ft) | E/W (ft) | VS (ft) | DLS (°/100ft) | Closure Distance (ft) | Closure Azimuth (°) | |
| 12,473.00 | 91.27 | 181.05 | 6,561.96 | -5,678.24 | -716.61 | 5,682.16 | 1.86 | 5,723.28 | 187.19 | |
| 12,568.00 | 92.55 | 182.01 | 6,558.80 | -5,773.15 | -719.14 | 5,777.08 | 1.68 | 5,817.77 | 187.10 | |
| 12,663.00 | 90.26 | 179.38 | 6,556.47 | -5,868.10 | -720.30 | 5,872.03 | 3.67 | 5,912.15 | 187.00 | |
| 12,758.00 | 90.04 | 176.57 | 6,556.22 | -5,963.03 | -716.94 | 5,966.95 | 2.97 | 6,005.98 | 186.86 | |
| 12,853.00 | 87.98 | 176.83 | 6,557.86 | -6,057.86 | -711.47 | 6,061.74 | 2.19 | 6,099.49 | 186.70 | |
| 12,947.00 | 89.08 | 179.38 | 6,560.27 | -6,151.77 | -708.36 | 6,155.63 | 2.95 | 6,192.42 | 186.57 | |
| 13,042.00 | 89.39 | 179.12 | 6,561.54 | -6,246.75 | -707.12 | 6,250.60 | 0.43 | 6,286.64 | 186.46 | |
| 13,137.00 | 89.91 | 178.24 | 6,562.12 | -6,341.72 | -704.93 | 6,345.56 | 1.08 | 6,380.78 | 186.34 | |
| 13,231.00 | 88.15 | 181.40 | 6,563.71 | -6,435.69 | -704.64 | 6,439.53 | 3.85 | 6,474.15 | 186.25 | |
| 13,326.00 | 89.25 | 182.01 | 6,565.87 | -6,530.62 | -707.46 | 6,534.47 | 1.32 | 6,568.83 | 186.18 | |
| 13,421.00 | 91.23 | 181.40 | 6,565.47 | -6,625.57 | -710.29 | 6,629.44 | 2.18 | 6,663.54 | 186.12 | |
| 13,516.00 | 89.87 | 178.76 | 6,564.56 | -6,720.56 | -710.42 | 6,724.42 | 3.13 | 6,758.00 | 186.03 | |
| 13,610.00 | 88.33 | 178.41 | 6,566.03 | -6,814.52 | -708.10 | 6,818.37 | 1.68 | 6,851.21 | 185.93 | |
| 13,705.00 | 92.02 | 180.35 | 6,565.74 | -6,909.49 | -707.07 | 6,913.33 | 4.39 | 6,945.57 | 185.84 | |
| 13,800.00 | 92.50 | 179.20 | 6,562.00 | -7,004.41 | -706.70 | 7,008.25 | 1.31 | 7,039.97 | 185.76 | |
| 13,895.00 | 91.76 | 180.35 | 6,558.47 | -7,099.34 | -706.33 | 7,103.18 | 1.44 | 7,134.39 | 185.68 | |
| 13,989.00 | 92.07 | 179.91 | 6,555.32 | -7,193.29 | -706.54 | 7,197.13 | 0.57 | 7,227.91 | 185.61 | |
| 14,084.00 | 90.48 | 176.21 | 6,553.21 | -7,288.19 | -703.33 | 7,292.01 | 4.24 | 7,322.05 | 185.51 | |
| 14,179.00 | 89.39 | 178.76 | 6,553.32 | -7,383.09 | -699.16 | 7,386.88 | 2.92 | 7,416.12 | 185.41 | |
| 14,274.00 | 90.13 | 182.19 | 6,553.72 | -7,478.07 | -699.94 | 7,481.87 | 3.69 | 7,510.76 | 185.35 | |
| 14,369.00 | 90.97 | 181.66 | 6,552.80 | -7,573.01 | -703.14 | 7,576.82 | 1.05 | 7,605.59 | 185.30 | |
| 14,462.00 | 91.71 | 181.49 | 6,550.63 | -7,665.95 | -705.69 | 7,669.78 | 0.82 | 7,698.37 | 185.26 | |
| 14,557.00 | 91.85 | 180.43 | 6,547.68 | -7,760.89 | -707.28 | 7,764.72 | 1.12 | 7,793.06 | 185.21 | |
| 14,652.00 | 92.20 | 179.20 | 6,544.32 | -7,855.83 | -706.98 | 7,859.66 | 1.35 | 7,887.58 | 185.14 | |
| 14,746.00 | 90.35 | 180.78 | 6,542.23 | -7,949.80 | -706.96 | 7,953.63 | 2.59 | 7,981.17 | 185.08 | |
| 14,841.00 | 89.47 | 182.98 | 6,542.38 | -8,044.74 | -710.08 | 8,048.58 | 2.49 | 8,076.02 | 185.04 | |
| 14,936.00 | 90.35 | 181.22 | 6,542.53 | -8,139.67 | -713.56 | 8,143.53 | 2.07 | 8,170.89 | 185.01 | |

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|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Company: | EP Energy E&P Company, L.P. | Local Co-ordinate Reference: | Well GH |
| Project: | Crockett Co, TX | TVD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Site: | University Salt Draw 4101 | MD Reference: | KB @ 2651.00ft (Nabors 888 (KB=27")) |
| Well: | GH | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | Surveys | Database: | RyanUSA_Compass |

| Survey | | | | | | | | | | |
|------------|-------------|------------|-------------|-------------|-------------|------------|------------------|--------------------------|------------------------|--|
| MD (ft) | Incl (°) | Azm (°) | TVD (ft) | N/S (ft) | E/W (ft) | VS (ft) | DLS (°/100ft) | Closure Distance (ft) | Closure Azimuth (°) | |
| 15,031.00 | 88.77 | 182.63 | 6,543.26 | -8,234.61 | -716.75 | 8,238.49 | 2.23 | 8,265.75 | 184.97 | |
| 15,126.00 | 89.74 | 183.16 | 6,544.49 | -8,329.48 | -721.55 | 8,333.38 | 1.16 | 8,360.68 | 184.95 | |
| 15,220.00 | 90.26 | 182.37 | 6,544.49 | -8,423.37 | -726.08 | 8,427.30 | 1.01 | 8,454.61 | 184.93 | |
| 15,315.00 | 91.41 | 182.81 | 6,543.11 | -8,518.26 | -730.37 | 8,522.21 | 1.30 | 8,549.52 | 184.90 | |
| 15,410.00 | 90.83 | 180.61 | 6,541.25 | -8,613.20 | -733.21 | 8,617.16 | 2.39 | 8,644.35 | 184.87 | |
| 15,504.00 | 90.04 | 177.62 | 6,540.54 | -8,707.17 | -731.75 | 8,711.12 | 3.29 | 8,737.86 | 184.80 | |
| 15,599.00 | 88.59 | 179.29 | 6,541.67 | -8,802.12 | -729.19 | 8,806.06 | 2.33 | 8,832.28 | 184.74 | |
| 15,694.00 | 89.12 | 179.29 | 6,543.57 | -8,897.10 | -728.02 | 8,901.02 | 0.56 | 8,926.83 | 184.68 | |
| 15,789.00 | 89.21 | 177.62 | 6,544.96 | -8,992.05 | -725.45 | 8,995.96 | 1.76 | 9,021.26 | 184.61 | |
| 15,883.00 | 89.12 | 180.61 | 6,546.33 | -9,086.02 | -724.00 | 9,089.92 | 3.18 | 9,114.82 | 184.56 | |
| 15,977.00 | 89.69 | 181.84 | 6,547.30 | -9,179.99 | -726.01 | 9,183.90 | 1.44 | 9,208.65 | 184.52 | |
| 16,072.00 | 90.44 | 181.66 | 6,547.19 | -9,274.94 | -728.91 | 9,278.87 | 0.81 | 9,303.54 | 184.49 | |
| 16,167.00 | 91.14 | 181.93 | 6,545.89 | -9,369.89 | -731.89 | 9,373.83 | 0.79 | 9,398.43 | 184.47 | |
| 16,261.00 | 91.80 | 182.28 | 6,543.47 | -9,463.79 | -735.34 | 9,467.75 | 0.79 | 9,492.32 | 184.44 | |
| 16,356.00 | 92.46 | 181.75 | 6,539.94 | -9,558.67 | -738.68 | 9,562.64 | 0.89 | 9,587.17 | 184.42 | |
| 16,450.00 | 89.87 | 181.05 | 6,538.03 | -9,652.61 | -740.97 | 9,656.60 | 2.85 | 9,681.01 | 184.39 | |
| 16,545.00 | 91.54 | 183.60 | 6,536.86 | -9,747.51 | -744.83 | 9,751.52 | 3.21 | 9,775.93 | 184.37 | |
| 16,639.00 | 90.00 | 180.96 | 6,535.60 | -9,841.42 | -748.57 | 9,845.45 | 3.25 | 9,869.85 | 184.35 | |
| 16,733.00 | 90.88 | 179.91 | 6,534.88 | -9,935.41 | -749.28 | 9,939.44 | 1.46 | 9,963.63 | 184.31 | |
| 16,828.00 | 90.09 | 178.59 | 6,534.07 | -10,030.40 | -748.04 | 10,034.42 | 1.62 | 10,058.25 | 184.27 | |
| 16,922.00 | 90.18 | 177.45 | 6,533.85 | -10,124.34 | -744.79 | 10,128.34 | 1.22 | 10,151.70 | 184.21 | |
| 17,017.00 | 89.91 | 176.21 | 6,533.78 | -10,219.19 | -739.54 | 10,223.16 | 1.34 | 10,245.92 | 184.14 | |
| 17,111.00 | 90.75 | 175.34 | 6,533.24 | -10,312.93 | -732.61 | 10,316.86 | 1.29 | 10,338.92 | 184.06 | |
| 17,206.00 | 90.70 | 173.49 | 6,532.03 | -10,407.47 | -723.37 | 10,411.35 | 1.95 | 10,432.58 | 183.98 | |
| 17,244.00 | 90.18 | 172.87 | 6,531.74 | -10,445.20 | -718.85 | 10,449.05 | 2.13 | 10,469.91 | 183.94 | |
| 17,295.00 | 90.18 | 172.87 | 6,531.58 | -10,495.81 | -712.52 | 10,499.62 | 0.00 | 10,519.96 | 183.88 | |
| PTB | | | | | | | | | | |

Company: EP Energy E&P Company, L.P.
Project: Crockett Co, TX
Site: University Salt Draw 4101
Well: GH
Wellbore: OH
Design: Surveys

Local Co-ordinate Reference: Well GH
TVD Reference: KB @ 2651.00ft (Nabors 888 (KB=27'))
MD Reference: KB @ 2651.00ft (Nabors 888 (KB=27'))
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: RyanUSA_Compass

Design Annotations

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
|---------------------------|---------------------------|-------------------|---------------|---------|
| | | +N/-S (ft) | +E/-W (ft) | |
| 17,295.00 | 6,531.58 | -10,495.81 | -712.52 | PTB |

Checked By: _____ Approved By: _____ Date: _____



NABORS

SLIDE & ROTATING REPORT

Customer:
Field:
County, State:

EP Energy
University Lands
CROCKETT, TX

Rig Name & No.: Nabors 888
Well Name & No.: University Salt Draw 4101 GH
Job #: 9665

| MODE | DEPTH FROM | DEPTH TO | FEET MADE | SURVEY DEPTH | INC | AZI | DLS | BUILD RATE | MOTOR OUTPUT | SLIDE SEEN | SLIDE AHEAD | DLN | SIDE / ROTATE (Based on Formula) | MTF / GTF | WOB (1K lbs) | RPM | PUMP GPM | PUMP PRESSURE |
|--------|------------|----------|-----------|--------------|--------|---------|--------|------------|--------------|------------|-------------|--------|----------------------------------|-----------|--------------|-------|----------|---------------|
| Rotate | 1,035 | 1,108 | 73 | 1,057 | 0.31° | 161.98° | | | | | | | | | 8.00 | 60.00 | 399.00 | 650.00 |
| Slide | 1,108 | 1,123 | 15 | | | | | | | | | | | 180 Mtf | 15.00 | | 450.00 | 800.00 |
| Rotate | 1,123 | 1,139 | 16 | 1,088 | 0.53° | 161.01° | | | | | | | | | 15.00 | 60.00 | 450.00 | 800.00 |
| Rotate | 1,139 | 1,233 | 94 | 1,182 | 2.86° | 188.08° | | | | | | | | | 15.00 | 60.00 | 600.00 | 1425.00 |
| Slide | 1,233 | 1,248 | 15 | | | | | | | | | | | 299 Mtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 1,248 | 1,328 | 80 | 1,277 | 2.77° | 188.08° | | | | | | | | | 20.00 | 60.00 | 600.00 | 1425.00 |
| Slide | 1,328 | 1,340 | 12 | | | | | | | | | | | 285 Mtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 1,340 | 1,422 | 82 | 1,371 | 4.22° | 265.60° | | | | | | | | | 20.00 | 60.00 | 600.00 | 1425.00 |
| Slide | 1,422 | 1,434 | 12 | | | | | | | | | | | 345 Mtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 1,434 | 1,517 | 83 | 1,466 | 6.64° | 286.69° | | | | | | | | | 20.00 | 60.00 | 600.00 | 1425.00 |
| Slide | 1,517 | 1,527 | 10 | | | | | | | | | | | 65 R Gtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 1,527 | 1,612 | 85 | 1,561 | 7.56° | 288.63° | | | | | | | | | 20.00 | 60.00 | 600.00 | 1425.00 |
| Slide | 1,612 | 1,624 | 12 | | | | | | | | | | | 65 R Gtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 1,624 | 1,706 | 82 | 1,655 | 8.44° | 304.80° | | | | | | | | | 20.00 | 60.00 | 600.00 | 1425.00 |
| Slide | 1,706 | 1,718 | 12 | | | | | | | | | | | 0 HS Gtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 1,718 | 1,896 | 178 | 1,845 | 9.80° | 305.15° | | | | | | | | | 20.00 | 60.00 | 600.00 | 1425.00 |
| Slide | 1,896 | 1,908 | 12 | | | | | | | | | | | 340 Gtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 1,908 | 2,085 | 177 | 2,034 | 12.26° | 300.05° | | | | | | | | | 20.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 2,085 | 2,275 | 190 | 2,224 | 12.31° | 295.04° | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Rotate | 2,275 | 2,370 | 95 | 2,319 | 12.31° | 295.04° | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Slide | 2,370 | 2,385 | 15 | | | | | | | | | | | 35 R Gtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 2,385 | 2,464 | 79 | 2,413 | 13.36° | 296.62° | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Rotate | 2,464 | 2,653 | 189 | 2,602 | 11.82° | 296.36° | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Slide | 2,653 | 2,665 | 12 | 2,614 | | | | | | | | | | 20 R Gtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 2,665 | 2,843 | 178 | 2,792 | 12.13° | 293.81° | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Slide | 2,843 | 2,855 | 12 | | | | | | | | | | | 50 R Gtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 2,855 | 3,033 | 178 | 2,982 | 11.38° | 294.69° | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Slide | 3,033 | 3,048 | 15 | | | | | | | | | | | 45 R Gtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 3,048 | 3,222 | 174 | 3,171 | 11.25° | 298.38° | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Slide | 3,222 | 3,234 | 12 | | | | | | | | | | | 45 R Gtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 3,234 | 3,317 | 83 | | | | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Slide | 3,317 | 3,329 | 12 | | | | | | | | | | | 45 R Gtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 3,329 | 3,411 | 82 | 3,360 | 12.22° | 312.18° | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Slide | 3,411 | 3,431 | 20 | | | | | | | | | | | 0 HS Gtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 3,431 | 3,506 | 75 | | | | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Slide | 3,506 | 3,521 | 15 | | | | | | | | | | | 0 HS Gtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 3,521 | 3,600 | 79 | 3,549 | 13.67° | 313.59° | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Rotate | 3,600 | 3,790 | 190 | 3,739 | 12.70° | 313.76° | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Rotate | 3,790 | 3,885 | 95 | | | | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Slide | 3,885 | 3,905 | 20 | | | | | | | | | | | 30 R Gtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 3,905 | 3,979 | 74 | 3,928 | 12.00° | 303.30° | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Rotate | 3,979 | 4,074 | 95 | | | | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Slide | 4,074 | 4,099 | 25 | | | | | | | | | | | HS Gtf | 12.00 | 60.00 | 600.00 | 1425.00 |
| Rotate | 4,099 | 4,169 | 70 | 4,118 | 11.34° | 295.92° | | | | | | | | | 30.00 | 50.00 | 600.00 | 1425.00 |
| Rotate | 4,169 | 4,264 | 95 | | | | | | | | | | | | 20.00 | 40.00 | 600.00 | 2600.00 |
| Slide | 4,264 | 4,294 | 30 | | | | | | | | | | | 30L | 12.00 | 60.00 | 600.00 | 2000.00 |
| Rotate | 4,294 | 4,359 | 65 | 4,308 | 12.66° | 284.67° | | | | | | | | | 20.00 | 40.00 | 600.00 | 2600.00 |
| Rotate | 4,359 | 4,453 | 94 | | | | | | | | | | | | 20.00 | 40.00 | 600.00 | 2600.00 |
| Slide | 4,453 | 4,463 | 10 | | | | | | | | | | | 90R | 12.00 | 60.00 | 600.00 | 2000.00 |
| Rotate | 4,463 | 4,548 | 85 | 4,497 | 10.24° | 287.66° | | | | | | | | | 20.00 | 40.00 | 420.00 | 1700.00 |
| Slide | 4,548 | 4,558 | 10 | | | | | | | | | | | 90R | 12.00 | | 600.00 | 2400.00 |
| Rotate | 4,558 | 4,738 | 180 | 4,687 | 7.97° | 291.17° | | | | | | | | | 20.00 | 40.00 | 420.00 | 1700.00 |
| Rotate | 4,738 | 4,926 | 188 | 4,875 | 5.19° | 288.10° | | | | | | | | | 20.00 | 40.00 | 420.00 | 1700.00 |
| Slide | 4,926 | 4,946 | 20 | | | | | | | | | | | 45R | 16.00 | | 600.00 | 2400.00 |
| Rotate | 4,946 | 5,116 | 170 | 5,065 | 4.92° | 300.67° | | | | | | | | | 20.00 | 40.00 | 420.00 | 1700.00 |
| Rotate | 5,116 | 5,305 | 189 | 5,254 | 3.08° | 208.29° | | | | | | | | | 20.00 | 40.00 | 420.00 | 1700.00 |
| Rotate | 5,305 | 5,400 | 95 | | | | | | | | | | | | 20.00 | 40.00 | 420.00 | 1700.00 |
| Slide | 5,400 | 5,415 | 15 | | | | | | | | | | | 117M | 20.00 | | 526.00 | 2250.00 |
| Rotate | 5,415 | 5,495 | 80 | 5,444 | 0.83° | 302.69° | | | | | | | | | 20.00 | 40.00 | 526.00 | 2400.00 |
| Rotate | 5,495 | 5,685 | 190 | 5,634 | 0.18° | 272.45° | | | | | | | | | 25.00 | 50.00 | 582.00 | 2750.00 |
| Rotate | 5,685 | 5,875 | 190 | 5,824 | 0.18° | 121.46° | | | | | | | | | 25.00 | 60.00 | 580.00 | 2800.00 |
| Rotate | 5,875 | 6,063 | 188 | 6,012 | 0.35° | 118.21° | | | | | | | | | 25.00 | 60.00 | 580.00 | 2800.00 |
| Rotate | 6,063 | 6,181 | 118 | 6,130 | 0.40° | 134.99° | | | | | | | | | 25.00 | 60.00 | 580.00 | 2800.00 |
| Rotate | 6,181 | 6,194 | 13 | | | | | | | | | | | | 20.00 | 20.00 | 600.00 | 2320.00 |
| Slide | 6,194 | 6,220 | 26 | | | | | | | | | | | 184 Mtf | 25.00 | 0.00 | 600.00 | 2320.00 |
| Rotate | 6,220 | 6,226 | 6 | | | | | | | | | | | | 20.00 | 20.00 | 600.00 | 2320.00 |
| Slide | 6,226 | 6,251 | 25 | 6,198 | 2.15° | 171.12° | 2.71° | | | 4.00 | 27.00 | | | 184 Mtf | 25.00 | 0.00 | 600.00 | 2320.00 |
| Rotate | 6,251 | 6,257 | 6 | | | | | | | | | | | | 20.00 | 20.00 | 600.00 | 2320.00 |
| Slide | 6,257 | 6,283 | 26 | 6,230 | 6.06° | 177.97° | 12.20° | 12.20° | 15.00° | 26.00 | 47.00 | 11.40° | | 184 Mtf | 25.00 | 0.00 | 600.00 | 2320.00 |
| Rotate | 6,283 | 6,289 | 6 | | | | | | | | | | | | 20.00 | 20.00 | 600.00 | 2320.00 |
| Slide | 6,289 | 6,314 | 25 | 6,261 | 10.15° | 178.59° | 13.20° | 13.10° | 16.30° | 25.00 | 47.00 | 11.10° | | 20 R Gtf | 35.00 | 0.00 | 600.00 | 2320.00 |
| Rotate | 6,314 | 6,322 | 8 | | | | | | | | | | | | 20.00 | 20.00 | 600.00 | 2320.00 |
| Slide | 6,322 | 6,346 | 24 | 6,293 | 13.45° | 185.79° | 11.27° | 10.31° | 13.80° | 26.00 | 45.00 | 11.50° | | 0 HS Gtf | 35.00 | 0.00 | 600.00 | 2320.00 |
| Rotate | 6,346 | 6,349 | 3 | | | | | | | | | | | | 20.00 | 20.00 | 600.00 | 2320.00 |
| Slide | 6,349 | 6,378 | 29 | 6,325 | 17.18° | 189.49° | 12.04° | 11.60° | 16.00° | 24.00 | 50.00 | 11.07° | | 20 L Gtf | 35.00 | 0.00 | 600.00 | 2320.00 |
| Rotate | 6,378 | 6,386 | 8 | | | | | | | | | | | | 20.00 | 20.00 | 600.00 | 2320.00 |



NABORS

SLIDE & ROTATING REPORT

Customer:
Field:
County, State:

EP Energy
University Lands
CROCKETT, TX

Rig Name & No.:
Well Name & No.:
Job #:

Nabors 888
University Salt Draw 4101 GH
9665

| MODE | DEPTH FROM | DEPTH TO | FEET MADE | SURVEY DEPTH | INC | AZI | DLS | BUILD RATE | MOTOR OUTPUT | SLIDE SEEN | SLIDE AHEAD | DLN | SIDE / ROTATE (Based on Formula) | MTF / GTF | WOB (1K lbs) | RPM | PUMP GPM | PUMP PRESSURE |
|--------|------------|----------|-----------|--------------|--------|---------|--------|------------|--------------|------------|-------------|--------|----------------------------------|-----------|--------------|-------|----------|---------------|
| Slide | 6,386 | 6,409 | 23 | 6,356 | 20.70° | 187.99° | 11.46° | 11.35° | 12.60° | 28.00 | 45.00 | 12.10° | | 20 L Gtf | 35.00 | 0.00 | 600.00 | 2320.00 |
| Slide | 6,409 | 6,441 | 32 | 6,388 | 23.82° | 184.83° | 10.40° | 9.75° | 13.80° | 24.00 | 53.00 | 11.40° | | 0 HS Gtf | 35.00 | 0.00 | 600.00 | 2320.00 |
| Rotate | 6,441 | 6,444 | 3 | | | | | | | | | | | | 20.00 | 20.00 | 600.00 | 2320.00 |
| Slide | 6,444 | 6,472 | 28 | 6,419 | 26.54° | 186.85° | 9.20° | 8.70° | 9.20° | 31.00 | 50.00 | 12.80° | | 0 HS Gtf | 35.00 | 0.00 | 600.00 | 2320.00 |
| Slide | 6,472 | 6,535 | 63 | 6,482 | 32.96° | 184.65° | 10.30° | 10.10° | 10.30° | 60.00 | 53.00 | 13.20° | | 0 HS Gtf | 35.00 | 0.00 | 435.00 | 1460.00 |
| Slide | 6,535 | 6,599 | 64 | 6,546 | 42.32° | 186.23° | 14.70° | 14.62° | 14.70° | 64.00 | 53.00 | 11.10° | | 0 HS Gtf | 35.00 | 0.00 | 435.00 | 1460.00 |
| Rotate | 6,599 | 6,604 | 5 | | | | | | | | | | | | 20.00 | 20.00 | 600.00 | 2320.00 |
| Slide | 6,604 | 6,630 | 26 | 6,577 | 46.45° | 187.38° | 13.50° | 13.30° | 13.50° | 31.00 | 48.00 | 11.50° | | 0 HS Gtf | 35.00 | 0.00 | 435.00 | 1460.00 |
| Slide | 6,630 | 6,725 | 95 | 6,672 | 58.80° | 186.76° | 13.00° | 13.00° | 13.70° | 90.00 | 53.00 | 9.40° | | 30L | 65.00 | 0.00 | 435.00 | 1800.00 |
| Rotate | 6,725 | 6,735 | 10 | | | | | | | | | | | | 35.00 | 20.00 | 435.00 | 1750.00 |
| Slide | 6,735 | 6,756 | 21 | 6,703 | 63.41° | 186.67° | 14.80° | 14.80° | 14.80° | 31.00 | 43.00 | 8.60° | | 30L | 65.00 | 0.00 | 435.00 | 1800.00 |
| Rotate | 6,756 | 6,764 | 8 | | | | | | | | | | | | 35.00 | 20.00 | 435.00 | 1750.00 |
| Slide | 6,764 | 6,788 | 24 | 6,735 | 67.15° | 186.76° | 11.60° | 11.60° | 17.00° | 22.00 | 45.00 | 6.40° | | 30L | 65.00 | 0.00 | 435.00 | 1800.00 |
| Rotate | 6,788 | 6,804 | 16 | | | | | | | | | | | | 35.00 | 20.00 | 435.00 | 1750.00 |
| Slide | 6,804 | 6,819 | 15 | 6,766 | 69.83° | 184.92° | 10.20° | 8.60° | 13.80° | 23.00 | 37.00 | 9.20° | | 30L | 65.00 | 0.00 | 435.00 | 1800.00 |
| Rotate | 6,819 | 6,829 | 10 | | | | | | | | | | | | 35.00 | 20.00 | 435.00 | 1750.00 |
| Slide | 6,829 | 6,851 | 22 | 6,798 | 72.16° | 182.63° | 9.90° | 7.28° | 14.40° | 22.00 | 37.00 | 10.80° | | HS | 65.00 | 0.00 | 435.00 | 1800.00 |
| Rotate | 6,851 | 6,859 | 8 | | | | | | | | | | | | 35.00 | 20.00 | 435.00 | 1750.00 |
| Slide | 6,859 | 6,882 | 23 | 6,829 | 74.53° | 181.57° | 8.30° | 7.60° | 17.10° | 15.00 | 45.00 | 7.70° | THE END 82.2 PTB | HS | 65.00 | 0.00 | 435.00 | 1800.00 |
| Slide | 6,882 | 6,936 | 54 | 6,885 | 81.12° | 180.96° | 11.82° | 11.70° | 13.70° | 45.00 | 51.00 | | | HS | 35.00 | 0.00 | 600.00 | 2960.00 |
| Slide | 6,936 | 6,956 | 20 | | | | | | | | | | | HS | 35.00 | 0.00 | 600.00 | 2960.00 |
| Rotate | 6,956 | 7,031 | 75 | 6,980 | 90.26° | 181.66° | 2.65° | | | 71.00 | 0.00 | | | | 30.00 | 60.00 | 600.00 | 2960.00 |
| Rotate | 7,031 | 7,126 | 95 | 7,075 | 90.92° | 179.73° | 2.15° | | | | | | | | 30.00 | 60.00 | 600.00 | 2960.00 |
| Rotate | 7,126 | 7,221 | 95 | 7,170 | 92.50° | 180.35° | 1.79° | | | | | | | | 30.00 | 65.00 | 600.00 | 2960.00 |
| Slide | 7,221 | 7,231 | 10 | | | | | | | | | | | 180 Gtf | 35.00 | 0.00 | 600.00 | 2960.00 |
| Rotate | 7,231 | 7,315 | 84 | 7,264 | 91.06° | 179.82° | 1.63° | | | | | | | | 30.00 | 65.00 | 600.00 | 2960.00 |
| Rotate | 7,315 | 7,410 | 95 | 7,359 | 91.19° | 177.80° | 2.13° | | | | | | | | 30.00 | 65.00 | 600.00 | 2960.00 |
| Slide | 7,410 | 7,430 | 20 | | | | | | | | | | | 130 R Gtf | 35.00 | 0.00 | 600.00 | 2960.00 |
| Rotate | 7,430 | 7,504 | 74 | 7,453 | 89.69° | 178.85° | 2.91° | | | | | | | | 30.00 | 65.00 | 600.00 | 2960.00 |
| Slide | 7,504 | 7,518 | 14 | | | | | | | | | | | 90 R Gtf | 35.00 | 0.00 | 600.00 | 2960.00 |
| Rotate | 7,518 | 7,599 | 81 | 7,548 | 91.06° | 181.49° | 3.13° | | | | | | | | 30.00 | 65.00 | 600.00 | 2960.00 |
| Rotate | 7,599 | 7,693 | 94 | 7,642 | 90.53° | 181.84° | 0.68° | | | | | | | | 30.00 | 65.00 | 600.00 | 2960.00 |
| Rotate | 7,693 | 7,788 | 95 | 7,737 | 89.43° | 181.22° | 1.33° | | | | | | | | 30.00 | 65.00 | 600.00 | 2960.00 |
| Rotate | 7,788 | 7,882 | 94 | 7,831 | 90.57° | 181.66° | 1.30° | | | | | | | | 30.00 | 65.00 | 600.00 | 2960.00 |
| Rotate | 7,882 | 7,977 | 95 | 7,926 | 91.14° | 182.01° | 0.70° | | | | | | | | 30.00 | 65.00 | 600.00 | 2960.00 |
| Rotate | 7,977 | 8,071 | 94 | 8,020 | 91.45° | 181.57° | 0.57° | | | | | | | | 30.00 | 65.00 | 600.00 | 3550.00 |
| Rotate | 8,071 | 8,166 | 95 | 8,115 | 91.23° | 179.20° | 2.50° | | | | | | | | 30.00 | 65.00 | 600.00 | 3550.00 |
| Rotate | 8,166 | 8,261 | 95 | 8,210 | 91.06° | 175.95° | 3.43° | | | | | | | | 30.00 | 65.00 | 600.00 | 3550.00 |
| Slide | 8,261 | 8,286 | 25 | | | | | | | | | | | 120 R Gtf | 35.00 | 0.00 | 600.00 | 3550.00 |
| Rotate | 8,286 | 8,356 | 70 | 8,305 | 88.46° | 177.27° | 3.08° | | | | | | | | 30.00 | 65.00 | 600.00 | 3550.00 |
| Slide | 8,356 | 8,381 | 25 | | | | | | | | | | | 90 R Gtf | 35.00 | 0.00 | 600.00 | 3550.00 |
| Rotate | 8,381 | 8,451 | 70 | 8,400 | 88.51° | 180.35° | 3.24° | | | | | | | | 30.00 | 65.00 | 600.00 | 3550.00 |
| Rotate | 8,451 | 8,546 | 95 | 8,495 | 88.73° | 179.64° | 0.78° | | | | | | | | 30.00 | 65.00 | 600.00 | 3550.00 |
| Rotate | 8,546 | 8,640 | 94 | 8,589 | 89.69° | 180.35° | 1.27° | | | | | | | | 30.00 | 65.00 | 600.00 | 3550.00 |
| Rotate | 8,640 | 8,735 | 95 | 8,684 | 91.71° | 181.57° | 2.48° | | | | | | | | 30.00 | 65.00 | 600.00 | 3550.00 |
| Rotate | 8,735 | 8,830 | 95 | 8,779 | 91.41° | 183.16° | 1.70° | | | | | | | | 30.00 | 65.00 | 600.00 | 3550.00 |
| Slide | 8,830 | 8,842 | 12 | | | | | | | | | | | 140 L Gtf | 35.00 | 0.00 | 600.00 | 3550.00 |
| Rotate | 8,842 | 8,925 | 83 | 8,874 | 91.23° | 183.68° | 0.58° | | | | | | | | 30.00 | 65.00 | 600.00 | 3550.00 |
| Slide | 8,925 | 8,945 | 20 | | | | | | | | | | | 140 L Gtf | 35.00 | 0.00 | 600.00 | 3550.00 |
| Rotate | 8,945 | 9,019 | 74 | 8,968 | 89.87° | 181.57° | | | | | | | | | 30.00 | 65.00 | 600.00 | 3550.00 |
| Rotate | 9,019 | 9,114 | 95 | 9,063 | 89.87° | 181.05° | 0.55° | | | | | | | | 30.00 | 65.00 | 600.00 | 3550.00 |
| Rotate | 9,114 | 9,209 | 95 | 9,158 | 90.57° | 181.93° | 1.18° | | | | | | | | 30.00 | 65.00 | 600.00 | 3550.00 |
| Rotate | 9,209 | 9,304 | 95 | 9,253 | 91.23° | 183.86° | 2.15° | | | | | | | | 30.00 | 65.00 | 600.00 | 3550.00 |
| Slide | 9,304 | 9,324 | 20 | | | | | | | | | | | 130 L Gtf | 35.00 | 0.00 | 600.00 | 3775.00 |
| Rotate | 9,324 | 9,398 | 74 | 9,347 | 90.35° | 184.21° | 1.01° | | | | | | | | 30.00 | 65.00 | 600.00 | 3775.00 |
| Slide | 9,398 | 9,423 | 25 | | | | | | | | | | | 120 L Gtf | 35.00 | 0.00 | 600.00 | 3775.00 |
| Rotate | 9,423 | 9,493 | 70 | 9,442 | 91.45° | 181.14° | 1.10° | | | | | | | | 30.00 | 65.00 | 600.00 | 3775.00 |
| Slide | 9,493 | 9,513 | 20 | | | | | | | | | | | 150L | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 9,513 | 9,588 | 75 | 9,537 | 90.83° | 176.65° | 4.77° | | | | | | | | 30.00 | 65.00 | 600.00 | 3775.00 |
| Slide | 9,588 | 9,618 | 30 | | | | | | | | | | | 100R | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 9,618 | 9,683 | 65 | 9,632 | 89.69° | 178.24° | 2.06° | | | | | | | | 30.00 | 65.00 | 600.00 | 3775.00 |
| Rotate | 9,683 | 9,778 | 95 | 9,727 | 91.45° | 180.96° | 3.41° | | | | | | | | 30.00 | 65.00 | 600.00 | 3775.00 |
| Slide | 9,778 | 9,788 | 10 | | | | | | | | | | | 180.00° | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 9,788 | 9,873 | 85 | 9,822 | 89.60° | 181.66° | 2.00° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |
| Rotate | 9,873 | 9,967 | 94 | 9,916 | 89.91° | 181.93° | 0.44° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |
| Rotate | 9,967 | 10,061 | 94 | 10,010 | 89.34° | 179.38° | 2.78° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |
| Rotate | 10,061 | 10,156 | 95 | 10,105 | 88.29° | 180.17° | 1.30° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |
| Slide | 10,156 | 10,166 | 10 | | | | | | | | | | | HS | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 10,166 | 10,250 | 84 | 10,199 | 90.75° | 181.31° | 2.88° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |
| Rotate | 10,250 | 10,345 | 95 | 10,294 | 91.71° | 182.10° | 1.30° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |
| Slide | 10,345 | 10,355 | 10 | | | | | | | | | | | 160L | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 10,355 | 10,440 | 85 | 10,389 | 89.96° | 180.78° | 2.30° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |
| Rotate | 10,440 | 10,534 | 94 | 10,483 | 90.40° | 179.99° | 0.96° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |
| Rotate | 10,534 | 10,629 | 95 | 10,578 | 91.27° | 178.76° | 1.50° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |
| Rotate | 10,629 | 10,724 | 95 | 10,673 | 91.01° | 172.45° | 1.30° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |



NABORS

SLIDE & ROTATING REPORT

Customer:
Field:
County, State:

EP Energy
University Lands
CROCKETT, TX

Rig Name & No.: Nabors 888
Well Name & No.: University Salt Draw 4101 GH
Job #: 9665

| MODE | DEPTH FROM | DEPTH TO | FEET MADE | SURVEY DEPTH | INC | AZI | DLS | BUILD RATE | MOTOR OUTPUT | SLIDE SEEN | SLIDE AHEAD | DLN | SIDE / ROTATE (Based on Formula) | MTF / GTF | WOB (1K lbs) | RPM | PUMP GPM | PUMP PRESSURE |
|--------|------------|----------|-----------|--------------|--------|---------|-------|------------|--------------|------------|-------------|-----|----------------------------------|-----------|--------------|-------|----------|---------------|
| Slide | 10,724 | 10,734 | 10 | | | | | | | | | | | 120R | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 10,734 | 10,819 | 85 | 10,768 | 91.63° | 179.29° | 2.00° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |
| Slide | 10,819 | 10,829 | 10 | | | | | | | | | | | 180.00° | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 10,829 | 10,914 | 85 | 10,863 | 90.13° | 178.94° | 1.60° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |
| Slide | 10,914 | 10,920 | 6 | | | | | | | | | | | 180.00° | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 10,920 | 11,008 | 88 | 10,957 | 89.87° | 176.65° | 2.40° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |
| Slide | 11,008 | 11,028 | 20 | | | | | | | | | | | 90R | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 11,028 | 11,103 | 75 | 11,052 | 89.65° | 178.68° | 2.10° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |
| Rotate | 11,103 | 11,198 | 95 | 11,147 | 90.57° | 177.45° | 1.60° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |
| Slide | 11,198 | 11,228 | 30 | | | | | | | | | | | 120R | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 11,228 | 11,293 | 65 | 11,242 | 89.65° | 182.37° | 5.20° | | | | | | | | 30.00 | 65.00 | 600.00 | 4100.00 |
| Rotate | 11,293 | 11,387 | 94 | 11,336 | 91.32° | 183.77° | 2.30° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Slide | 11,387 | 11,397 | 10 | | | | | | | | | | | 180.00° | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 11,397 | 11,482 | 85 | 11,431 | 90.53° | 185.88° | 2.30° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Slide | 11,482 | 11,507 | 25 | | | | | | | | | | | 90L | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 11,507 | 11,577 | 70 | 11,526 | 88.81° | 182.01° | 4.40° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Rotate | 11,577 | 11,672 | 95 | 11,621 | 89.82° | 183.16° | 1.60° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Rotate | 11,672 | 11,766 | 94 | 11,715 | 91.19° | 184.56° | 2.08° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Slide | 11,766 | 11,796 | 30 | | | | | | | | | | | 120 L | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 11,796 | 11,861 | 65 | 11,810 | 89.47° | 181.31° | 3.87° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Rotate | 11,861 | 11,956 | 95 | 11,905 | 90.75° | 182.54° | 1.87° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Slide | 11,956 | 11,981 | 25 | | | | | | | | | | | 110 L | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 11,981 | 12,051 | 70 | 12,000 | 90.35° | 179.12° | 3.60° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Rotate | 12,051 | 12,146 | 95 | 12,095 | 89.69° | 175.69° | 3.60° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Slide | 12,146 | 12,161 | 15 | | | | | | | | | | | 110 R | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 12,161 | 12,240 | 79 | 12,189 | 90.79° | 179.82° | 4.50° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Rotate | 12,240 | 12,335 | 95 | 12,284 | 91.23° | 178.76° | 1.21° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Slide | 12,335 | 12,347 | 12 | | | | | | | | | | | 135 R | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 12,347 | 12,430 | 83 | 12,379 | 90.13° | 179.73° | 1.54° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Rotate | 12,430 | 12,524 | 94 | 12,473 | 91.27° | 181.05° | 1.86° | | | | | | | | 30.00 | 65.00 | 573.00 | 4400.00 |
| Rotate | 12,524 | 12,619 | 95 | 12,568 | 92.55° | 182.01° | 1.68° | | | | | | | | 30.00 | 65.00 | 573.00 | 4400.00 |
| Slide | 12,619 | 12,644 | 25 | | | | | | | | | | | 140 L Gtf | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 12,644 | 12,714 | 70 | 12,663 | 90.26° | 179.35° | 3.75° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Rotate | 12,714 | 12,809 | 95 | 12,758 | 90.04° | 176.57° | 2.86° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Slide | 12,809 | 12,829 | 20 | | | | | | | | | | | 120 R Gtf | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 12,829 | 12,904 | 75 | 12,853 | 87.98° | 176.83° | 2.19° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Slide | 12,904 | 12,924 | 20 | | | | | | | | | | | 80 R Gtf | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 12,924 | 12,999 | 75 | 12,948 | 89.08° | 179.38° | 2.95° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Rotate | 12,999 | 13,093 | 94 | 13,042 | 89.39° | 179.12° | 0.43° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Rotate | 13,093 | 13,188 | 95 | 13,137 | 89.91° | 178.24° | 1.08° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Slide | 13,188 | 13,213 | 25 | | | | | | | | | | | 90 R Gtf | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 13,213 | 13,282 | 69 | 13,231 | 88.15° | 181.40° | 3.85° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Rotate | 13,282 | 13,377 | 95 | 13,326 | 89.25° | 182.01° | 1.32° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Rotate | 13,377 | 13,472 | 95 | 13,421 | 91.23° | 181.40° | 2.18° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Rotate | 13,472 | 13,567 | 95 | 13,516 | 89.87° | 178.76° | 3.13° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Slide | 13,567 | 13,587 | 20 | | | | | | | | | | | 0 HS Gtf | 35.00 | 0.00 | 600.00 | 3850.00 |
| Rotate | 13,587 | 13,661 | 74 | 13,610 | 88.33° | 178.41° | 1.60° | | | | | | | | 30.00 | 65.00 | 570.00 | 4400.00 |
| Slide | 13,661 | 13,681 | 20 | | | | | | | | | | | 0 HS Gtf | 35.00 | 0.00 | 417.00 | 2300.00 |
| Rotate | 13,681 | 13,756 | 75 | 13,705 | 92.02° | 180.35° | 4.39° | | | | | | | | 30.00 | 65.00 | 417.00 | 2300.00 |
| Rotate | 13,756 | 13,851 | 95 | 13,800 | 92.50° | 179.20° | 1.31° | | | | | | | | 30.00 | 65.00 | 570.00 | 3625.00 |
| Slide | 13,851 | 13,866 | 15 | | | | | | | | | | | 110 R Gtf | 35.00 | 0.00 | 417.00 | 2300.00 |
| Rotate | 13,866 | 13,946 | 80 | 13,895 | 91.76° | 180.35° | 1.44° | | | | | | | | 30.00 | 65.00 | 570.00 | 3625.00 |
| Rotate | 13,946 | 14,040 | 94 | 13,989 | 92.07° | 179.91° | 0.57° | | | | | | | | 30.00 | 65.00 | 570.00 | 3625.00 |
| Slide | 14,040 | 14,060 | 20 | | | | | | | | | | | 120 R Gtf | 35.00 | 0.00 | 417.00 | 2300.00 |
| Rotate | 14,060 | 14,135 | 75 | 14,084 | 90.48° | 176.21° | 4.24° | | | | | | | | 30.00 | 65.00 | 570.00 | 3625.00 |
| Slide | 14,135 | 14,165 | 30 | | | | | | | | | | | 90 R Gtf | 35.00 | 0.00 | 540.00 | 3625.00 |
| Rotate | 14,165 | 14,230 | 65 | 14,179 | 89.39° | 178.76° | 2.94° | | | | | | | | 30.00 | 65.00 | 570.00 | 3640.00 |
| Slide | 14,230 | 14,255 | 25 | | | | | | | | | | | 90 R Gtf | 35.00 | 0.00 | 540.00 | 3640.00 |
| Rotate | 14,255 | 14,325 | 70 | 14,274 | 90.13° | 182.19° | 3.70° | | | | | | | | 30.00 | 65.00 | 570.00 | 3640.00 |
| Rotate | 14,325 | 14,420 | 95 | 14,369 | 90.97° | 181.66° | 1.05° | | | | | | | | 30.00 | 65.00 | 570.00 | 3640.00 |
| Rotate | 14,420 | 14,513 | 93 | 14,462 | 91.71° | 181.49° | 0.82° | | | | | | | | 30.00 | 65.00 | 570.00 | 3640.00 |
| Rotate | 14,513 | 14,608 | 95 | 14,557 | 91.85° | 180.43° | 1.12° | | | | | | | | 30.00 | 65.00 | 570.00 | 3640.00 |
| Rotate | 14,608 | 14,703 | 95 | 14,652 | 92.20° | 179.20° | 1.35° | | | | | | | | 30.00 | 65.00 | 570.00 | 3640.00 |
| Slide | 14,703 | 14,728 | 25 | | | | | | | | | | | 135 R Gtf | 35.00 | 0.00 | 540.00 | 3640.00 |
| Rotate | 14,728 | 14,797 | 69 | 14,746 | 90.35° | 180.78° | 2.59° | | | | | | | | 30.00 | 65.00 | 570.00 | 3640.00 |
| Slide | 14,797 | 14,812 | 15 | | | | | | | | | | | 120 R Gtf | 35.00 | 0.00 | 540.00 | 3640.00 |
| Rotate | 14,812 | 14,892 | 80 | 14,841 | 89.47° | 182.98° | 1.62° | | | | | | | | 30.00 | 65.00 | 570.00 | 3640.00 |
| Rotate | 14,892 | 14,987 | 95 | 14,936 | 90.35° | 181.22° | 2.07° | | | | | | | | 30.00 | 65.00 | 570.00 | 3640.00 |
| Slide | 14,987 | 15,002 | 15 | | | | | | | | | | | 180 Gtf | 35.00 | 0.00 | 540.00 | 3640.00 |
| Rotate | 15,002 | 15,082 | 80 | 15,031 | 88.77° | 182.63° | 2.73° | | | | | | | | 30.00 | 65.00 | 570.00 | 3640.00 |
| Rotate | 15,082 | 15,177 | 95 | 15,126 | 89.74° | 183.16° | 1.16° | | | | | | | | 30.00 | 65.00 | 396.00 | 2250.00 |
| Rotate | 15,177 | 15,271 | 94 | 15,220 | 90.26° | 182.37° | 1.01° | | | | | | | | 30.00 | 65.00 | 396.00 | 2250.00 |
| Rotate | 15,271 | 15,366 | 95 | 15,315 | 91.41° | 182.81° | 1.30° | | | | | | | | 30.00 | 65.00 | 396.00 | 2250.00 |
| Rotate | 15,366 | 15,461 | 95 | 15,410 | 90.83° | 180.61° | 2.39° | | | | | | | | 30.00 | 65.00 | 396.00 | 2250.00 |
| Rotate | 15,461 | 15,555 | 94 | 15,504 | 90.04° | 177.62° | 3.29° | | | | | | | | 30.00 | 65.00 | 396.00 | 2250.00 |



Customer:
Field:
County, St:

EP Energy
University Lands
ROCKETT, TX

Nabors 888

University Salt Draw 4101 GH

9665

[illegible]

Date: 9-Jun-16



NABORS

Job # 9665

| | |
|----------------|-------------------------|
| Oil Company: | EP Energy |
| Field: | University Lands |
| County, State: | CROCKETT, TX |
| AFE or PO #: | 163634 |

| | |
|-----------------------|------------------------------|
| Customer: | EP Energy |
| Well Name & No.: | University Salt Draw 4101 GH |
| Block or Section: | Barnhart |
| Rig Contractor & No.: | Nabors 888 |

| | | | | | | | | | |
|--------------|---|------------------|-------|-----------------|------|---------------|---|------------------|--------|
| 00:00 Depth: | 0 | Footage Today: | 0 | Drig Hrs Today: | 0.00 | ROP Today: | - | Last Casing Set: | 9 5/8" |
| 24:00 Depth: | 0 | Current Run Ftg: | -1035 | Run Drig Hrs: | 0.00 | Run Avg. ROP: | - | Depth: | 1035 |

[illegible]

Report #: 2
Date: 10-Jun-16



NABORS

Job #: 9665

DAILY DRILLING REPORT

Oil Company: EP Energy
Field: University Lands
County, State: CROCKETT, TX
AFE or PO #: 163634

Customer: EP Energy
Well Name & No.: University Salt Draw 4101 GH
Block or Section: Barnhart
Rig Contractor & No.: Nabors 888

00:00 Depth: 1035 Footage Today: 1350 Drlg Hrs Today: 3.30 ROP Today: 409.09 Last Casing Set: 9 5/8"
24:00 Depth: 2385 Current Run Ftg: 1350 Run Drlg Hrs: 3.30 Run Avg. ROP: 409.09 Depth: 1035

| PUMP Data Total Gals/Min = 603 | | | | MUD DATA | | Previous | Current | MOTOR DATA | | CURRENT |
|--------------------------------|-------|-------|------|----------|---------|------------|---------|---------------|--------------------|-------------|
| Pump | 1 | 2 | 0 | Mud Type | obm | BHA # | 1 | BHA # | Run No. | 1 |
| Liner (in) | 5 1/2 | 5 1/2 | | Sample | IN | | | MOTOR | Size (in.) | 6 3/4 |
| % | 97.5 | 97.5 | | Time | 3:00 | | | Pony Collar | Type | 7/8 5.0 FBH |
| Vol (gals) | 3.51 | 3.51 | 0.00 | Wt. | 9 | | | EM Tool | Serial No. | RY700032 |
| SPM | 86 | 86 | | VIS | 49 | | | NMDC | Tool Deflection | 1.75 FBH |
| DRILLING PARAMETERS | | | | PV | 12 | | | X-O | Avg. Diff. Press. | |
| ST. WT. ROT 1000's: | 45 | | | YP | 10 | | | 3) 6 1/2 DC'S | Daily Drill Hrs. | 3.30 |
| P/U WT. 1000's: | 45 | | | WL | N/A | | | X-O | Daily Circ. Hrs. | 1.80 |
| S/O WT. 1000's: | 45 | | | CL | 66000 | | | | Daily Total Hrs. | 5.10 |
| WOB 1000's: | | | | Gels | 9_11_12 | | | | Acc. Drill Hrs. | 3.30 |
| ROTARY RPM: | 60 | | | % Oil | 74.6 | | | | Acc. Circ. Hrs. | 1.80 |
| MOTOR RPM: | 168 | | | % Solids | 6.6 | | | | Depth In | 1035 |
| TOTAL Bit RPM | 228 | | | % Sand | N/A | | | | Depth Out | |
| ROT TQ. OFF BTM: | 1000 | | | PH | N/A | | | | LIH Hrs. | 7:40 |
| ROT TQ. ON BTM: | | | | Temp F | | | | | Acc. LIH Hrs. | 7.67 |
| Current Mag Dec: | | | | MWD F | | BHA WT | | | Acc. Hrs Cir/Drilg | 5.10 |
| Pulse Height | | | | GPM | 399 | BELOW JARS | | | Total K Revs | 45.14 |
| "G" Totals | | | | PSI | 660 | | | | Jar # HRS | |

| BIT DATA | | | | | | | | | | | | | | DULL CONDITION | | | | | |
|----------|-----------|----------|-------|------------|----------------|----------|--------------|-----------|-----------|----|----|----|-----|----------------|-------|----|------|--|--|
| Bit No. | Size (in) | Mfg. | Type | Serial No. | Nozzles or TFA | Depth In | Cum. Footage | Cum. Hrs. | Depth Out | IR | OR | DC | LOC | B/S | G/16" | OC | RPLD | | |
| 1 | 8.75 | SECURITY | MM56D | 12678533 | 5X22 | 1035 | | | | | | | | | | | | | |

| From | To | Hrs. | Start Depth | End Depth | CL | Code | Time Breakdown | | Current Operations | | | |
|-------|-------|------|-------------|-----------|-----|------|----------------------------------|--|-----------------------|--------|-------------|--------|
| 0:00 | 5:00 | 5:00 | | | | S | STBY | | Standby | | | |
| 5:00 | 6:00 | 1:00 | | | | 6.G | PICK UP TOOLS | | PICK UP TOOLS | | | |
| 6:00 | 7:25 | 1:25 | | | | 6.A | TIH | | DRILL OUT SHOE | | | |
| 7:25 | 7:45 | 0:20 | | | | 3.A | DRILL FLOAT EQ | | DRILL TANGENT SECTION | | | |
| 7:45 | 8:00 | 0:15 | 1035 | 1108 | 73 | 2.A | Rotate Wob 5 Diff 280 | | | | | |
| 8:00 | 8:10 | 0:10 | | | | 10 | Svy @ 1057' | | | | | |
| 8:10 | 8:15 | 0:05 | 1108 | 1123 | 15 | 2.B | Slide @ 180 Mtf Wob 6 Diff 250 | | | | | |
| 8:15 | 8:20 | 0:05 | 1123 | 1139 | 16 | 2.A | Rotate Wob 5 Diff 280 | | | | | |
| 8:20 | 8:25 | 0:05 | | | | 10 | Svy @ 1088' | | | | | |
| 8:25 | 8:35 | 0:10 | 1139 | 1233 | 94 | 2.A | Rotate Wob 5 Diff 280 | | | | | |
| 8:35 | 8:45 | 0:10 | | | | 10 | Svy @ 1182' | | | | | |
| 8:45 | 8:50 | 0:05 | 1233 | 1248 | 15 | 2.B | Slide @ 299 Mtf Wob 15 Diff 350 | | | | | |
| 8:50 | 9:00 | 0:10 | 1248 | 1328 | 80 | 2.A | Rotate Wob 5 Diff 280 | | | | | |
| 9:00 | 9:05 | 0:05 | | | | 10 | Svy @ 1277' | | | | | |
| 9:05 | 9:10 | 0:05 | 1328 | 1340 | 12 | 2.B | Slide @ 285 Mtf Wob 15 Diff 350 | | | | | |
| 9:10 | 9:15 | 0:05 | 1340 | 1422 | 82 | 2.A | Rotate Wob 5 Diff 280 | | | | | |
| 9:15 | 9:25 | 0:10 | | | | 10 | Svy @ 1371' | | | | | |
| 9:25 | 9:30 | 0:05 | 1422 | 1434 | 12 | 2.B | Slide @ 330 Mtf Wob 15 Diff 350 | | | | | |
| 9:30 | 9:40 | 0:10 | 1434 | 1517 | 83 | 2.A | Rotate Wob 5 Diff 280 | | | | | |
| 9:40 | 9:45 | 0:05 | | | | 10 | Svy @ 1466' | | | | | |
| 9:45 | 9:50 | 0:05 | 1517 | 1527 | 10 | 2.B | Slide @ 65 Gtf Wob 15 Diff 350 | | | | | |
| 9:50 | 10:00 | 0:10 | 1527 | 1612 | 85 | 2.A | Rotate Wob 5 Diff 280 | | | | | |
| 10:00 | 10:05 | 0:05 | | | | 10 | Svy @ 1561 | | | | | |
| 10:05 | 10:10 | 0:05 | 1612 | 1624 | 12 | 2.B | Slide @ 65 Gtf Wob 15 Diff 350 | | | | | |
| 10:10 | 10:20 | 0:10 | 1624 | 1706 | 82 | 2.A | Rotate Wob 5 Diff 280 | | | | | |
| 10:20 | 10:25 | 0:05 | | | | 10 | Svy @ 1655' | | | | | |
| 10:25 | 10:35 | 0:10 | | | | O | Downlink EM Tool | | | | | |
| 10:35 | 10:40 | 0:05 | 1706 | 1718 | 12 | 2.B | Slide @ 0 HS Gtf Wob 15 Diff 350 | | | | | |
| 10:40 | 11:00 | 0:20 | 1718 | 1896 | 178 | 2.A | Rotate Wob 5 Diff 280 | | | | | |
| 11:00 | 11:10 | 0:10 | | | | 10 | Svy @ 1845' | | | | | |
| 11:10 | 11:15 | 0:05 | 1896 | 1908 | 12 | 2.B | Slide @ 340 Gtf Wob 15 Diff 350 | | | | | |
| 11:15 | 11:40 | 0:25 | 1908 | 2085 | 177 | 2.A | Rotate Wob 5 Diff 280 | | | | | |
| 11:40 | 11:55 | 0:15 | | | | 10 | Svy @ 2034' | | | | | |
| 11:55 | 12:15 | 0:20 | 2085 | 2275 | 190 | 2.A | Rotate Wob 5 Diff 280 | | | | | |
| 12:15 | 12:25 | 0:10 | | | | 10 | Svy @ 2224' | | | | | |
| 12:25 | 12:35 | 0:10 | 2275 | 2370 | 95 | 2.A | Rotate Wob 5 Diff 280 | | | | | |
| 12:35 | 12:40 | 0:05 | 2370 | 2385 | 15 | 2.B | Slide @ 35 R Gtf Wob 15 Diff 350 | | | | | |
| | | | | | | | | | 24 Hour Breakdown | | | |
| | | | | | | | | | Ftg Rot. | 1235 | Time Rot. | 2.50 |
| | | | | | | | | | Ftg Orient | 115 | Time Orient | 0.80 |
| | | | | | | | | | Rot. ROP | 494.00 | Orient ROP | 143.75 |

Report #: 2A
Date: 10-Jun-16



NABORS

Job #: 9665

DAILY DRILLING REPORT

Oil Company: EP Energy
Field: University Lands
County, State: CROCKETT, TX
AFE or PO #: 163634

Customer: EP Energy
Well Name & No.: University Salt Draw 4101 GH
Block or Section: Barnhart
Rig Contractor & No.: Nabors 888

00:00 Depth: 2385 Footage Today: 1974 Drlg Hrs Today: 5.00 ROP Today: 394.80 Last Casing Set: 9 5/8"
24:00 Depth: 4359 Current Run Ftg: 3324 Run Drlg Hrs: 8.30 Run Avg. ROP: 400.48 Depth: 1035

| PUMP Data Total Gals/Min = 603 | | | | MUD DATA | | Previous | Current | MOTOR DATA | | CURRENT |
|--------------------------------|-------|-------|------|----------|---------|------------|---------|---------------|--------------------|-------------|
| Pump | 1 | 2 | 0 | Mud Type | obm | BHA # | 1 | BHA # | Run No. | 1 |
| Liner (in) | 5 1/2 | 5 1/2 | | Sample | IN | | | MOTOR | Size (in.) | 6 3/4 |
| % | 97.5 | 97.5 | | Time | 3:00 | | | Pony Collar | Type | 7/8 5.0 FBH |
| Vol (gals) | 3.51 | 3.51 | 0.00 | Wt. | 9 | | | EM Tool | Serial No. | RY700032 |
| SPM | 86 | 86 | | VIS | 49 | | | NMDC | Tool Deflection | 1.75 FBH |
| DRILLING PARAMETERS | | | | PV | 12 | | | X-O | Avg. Diff. Press. | |
| ST. WT. ROT 1000's: | 75 | | | YP | 10 | | | 3) 6 1/2 DC'S | Daily Drill Hrs. | 5.00 |
| P/U WT. 1000's: | 75 | | | WL | N/A | | | X-O | Daily Circ. Hrs. | 1.70 |
| S/O WT. 1000's: | 75 | | | CL | 66000 | | | | Daily Total Hrs. | 6.70 |
| WOB 1000's: | 30 | | | Gels | 9_11_12 | | | | Acc. Drill Hrs. | 8.30 |
| ROTARY RPM: | 50 | | | % Oil | 74.6 | | | | Acc. Circ. Hrs. | 3.50 |
| MOTOR RPM: | 168 | | | % Solids | 6.6 | | | | Depth In | 1035 |
| TOTAL Bit RPM | 218 | | | % Sand | N/A | | | | Depth Out | |
| ROT TQ. OFF BTM: | 1000 | | | PH | N/A | | | | LIH Hrs. | 6:40 |
| ROT TQ. ON BTM: | 4 | | | Temp F | | | | | Acc. LIH Hrs. | 14.33 |
| Current Mag Dec: | | | | MWD F | | BHA WT | | | Acc. Hrs Cir/Drilg | 11.80 |
| Pulse Height | | | | GPM | 600 | BELOW JARS | | | Total K Revs | 108.56 |
| "G" Totals | | | | PSI | 1425 | | | | Jar # HRS | |

| BIT DATA | | | | | | | | | | | | | | DULL CONDITION | | | | | |
|----------|-----------|----------|-------|------------|----------------|----------|--------------|-----------|-----------|----|----|----|-----|----------------|-------|----|------|--|--|
| Bit No. | Size (in) | Mfg. | Type | Serial No. | Nozzles or TFA | Depth In | Cum. Footage | Cum. Hrs. | Depth Out | IR | OR | DC | LOC | B/S | G/16" | OC | RPLD | | |
| 1 | 8.75 | SECURITY | MM56D | 12678533 | 5X22 | 1035 | | | | | | | | | | | | | |

| From | To | Hrs. | Start Depth | End Depth | CL | Code | Time Breakdown | Current Operations | | | |
|-------|-------|------|-------------|-----------|-----|------|----------------------------------|--------------------------------|--------|---------------|--------|
| 12:40 | 12:50 | 0:10 | 2385 | 2464 | 79 | 2.A | Rotate Wob 5 Diff 280 | Standby | | | |
| 12:50 | 13:00 | 0:10 | | | | 10 | Svy @ 2413' | PICK UP TOOLS | | | |
| 13:00 | 13:25 | 0:25 | 2464 | 2653 | 189 | 2.A | Rotate Wob 5 Diff 280 | DRILL OUT SHOE | | | |
| 13:25 | 13:35 | 0:10 | | | | 10 | Svy @ 2602' | DRILL TANGENT SECTION | | | |
| 13:35 | 13:40 | 0:05 | 2653 | 2665 | 12 | 2.B | Slide @ 20 R Gtf Wob 15 Diff 350 | | | | |
| 13:40 | 14:00 | 0:20 | 2665 | 2843 | 178 | 2.A | Rotate Wob 5 Diff 280 | | | | |
| 14:00 | 14:15 | 0:15 | | | | 10 | Svy @ 2792' | | | | |
| 14:15 | 14:20 | 0:05 | 2843 | 2855 | 12 | 2.B | Slide @ 50 R Gtf Wob 15 Diff 350 | | | | |
| 14:20 | 14:40 | 0:20 | 2855 | 3033 | 178 | 2.A | Rotate Wob 5 Diff 280 | | | | |
| 14:40 | 14:50 | 0:10 | | | | 10 | Svy @ 2982' | | | | |
| 14:50 | 15:00 | 0:10 | 3033 | 3048 | 15 | 2.B | Slide @ 45 R Gtf Wob 15 Diff 350 | Estimated Daily Charges | | | |
| 15:00 | 15:10 | 0:10 | 3048 | 3222 | 174 | 2.A | Rotate Wob 5 Diff 280 | Description | | Cost | |
| 15:10 | 15:20 | 0:10 | | | | 10 | Svy @ 3,171' | | | | |
| 15:20 | 15:30 | 0:10 | 3222 | 3234 | 12 | 2.B | Slide @ 45 R Gtf Wob 15 Diff 350 | | | | |
| 15:30 | 15:45 | 0:15 | 3234 | 3317 | 83 | 2.A | Rotate Wob 5 Diff 280 | | | | |
| 15:45 | 15:55 | 0:10 | 3317 | 3329 | 12 | 2.B | Slide @ 45 R Gtf Wob 15 Diff 350 | | | | |
| 15:55 | 16:00 | 0:05 | 3329 | 3411 | 82 | 2.A | Rotate Wob 5 Diff 280 | | | | |
| 16:00 | 16:10 | 0:10 | | | | 10 | Svy @ 3,360' | | | | |
| 16:10 | 16:15 | 0:05 | 3411 | 3431 | 20 | 2.B | Slide @ 0 HS Gtf Wob 15 Diff 350 | | | | |
| 16:15 | 16:25 | 0:10 | 3431 | 3506 | 75 | 2.A | Rotate Wob 5 Diff 280 | | | | |
| 16:25 | 16:35 | 0:10 | 3506 | 3521 | 15 | 2.B | Slide @ 0 HS Gtf Wob 15 Diff 350 | | | | |
| 16:35 | 16:45 | 0:10 | 3521 | 3600 | 79 | 2.A | Rotate Wob 5 Diff 280 | | | | |
| 16:45 | 16:50 | 0:05 | | | | 10 | Svy @ 3,549' | Estimated Daily Cost (USD) | | \$ - | |
| 16:50 | 17:15 | 0:25 | 3600 | 3790 | 190 | 2.A | Rotate Wob 5 Diff 280 | Accumulated Cost (USD) | | \$ - | |
| 17:15 | 17:25 | 0:10 | | | | 10 | Svy @ 3,739' | Company Representative (s) | | | |
| 17:25 | 17:40 | 0:15 | 3790 | 3885 | 95 | 2.A | Rotate Wob 5 Diff 280 | Joe Wilkerson | | Jacob | |
| 17:40 | 17:45 | 0:05 | 3885 | 3905 | 20 | 2.B | Slide @ 30 L Gtf Wob 15 Diff 350 | Westom White | | | |
| 17:45 | 17:50 | 0:05 | 3905 | 3979 | 74 | 2.A | Rotate Wob 5 Diff 280 | Directional Representative (s) | | | |
| 17:50 | 18:00 | 0:10 | | | | 10 | Svy @ 3,928' | Paul Mizell | | Robert Harper | |
| 18:00 | 18:15 | 0:15 | 3979 | 4074 | 95 | 2.A | Rotate Wob 30 Diff 600 | | | | |
| 18:15 | 18:21 | 0:06 | 4074 | 4099 | 25 | 2.B | Slide @ 30 L Gtf Wob 15 Diff 350 | MWD Representative (s) | | | |
| 18:21 | 18:30 | 0:09 | 4099 | 4169 | 70 | 2.A | Rotate Wob 5 Diff 280 | Mike Johns | | | |
| 18:30 | 18:35 | 0:05 | | | | 10 | Svy @ 4,118' | | | | |
| 18:35 | 18:47 | 0:12 | 4169 | 4264 | 95 | 2.A | Rotate Wob 25 Diff 600 | 24 Hour Breakdown | | | |
| 18:47 | 19:05 | 0:18 | 4264 | 4294 | 30 | 2.B | Slide @ 30 L Gtf Wob 20 Diff 350 | Ftg Rot. | 1801 | Time Rot. | 3.60 |
| 19:05 | 19:15 | 0:10 | 4294 | 4359 | 65 | 2.A | Rotate Wob 20 Diff 300 | Ftg Orient | 173 | Time Orient | 1.40 |
| 19:15 | 19:20 | 0:05 | | | | 10 | C/S 4308 | Rot. ROP | 500.28 | Orient ROP | 123.57 |

Date: 10-Jun-16



NABORS

9665

| | |
|----------------|-------------------------|
| Oil Company: | EP Energy |
| Field: | University Lands |
| County, State: | CROCKETT, TX |
| AFE or PO #: | 163634 |

| | |
|-----------------------|------------------------------|
| Customer: | EP Energy |
| Well Name & No.: | University Salt Draw 4101 GH |
| Block or Section: | Barnhart |
| Rig Contractor & No.: | Nabors 888 |

| | |
|--------------|------|
| 00:00 Depth: | 4359 |
| 24:00 Depth: | 5305 |

| | |
|------------------|------|
| Footage Today: | 946 |
| Current Run Ftg: | 4270 |

| | |
|-----------------|-------|
| Drlg Hrs Today: | 4.30 |
| Run Drlg Hrs: | 12.60 |

| | |
|---------------|--------|
| ROP Today: | 220.00 |
| Run Avg. ROP: | 338.89 |

Last Casing Set: 9 5/8"
Depth: 1035

[illegible][illegible]

Date: 11-Jun-16



NABORS

Job # 9665

| | |
|----------------|-------------------------|
| Oil Company: | EP Energy |
| Field: | University Lands |
| County, State: | CROCKETT, TX |
| AFE or PO #: | 163634 |

| | |
|-----------------------|------------------------------|
| Customer: | EP Energy |
| Well Name & No.: | University Salt Draw 4101 GH |
| Block or Section: | Barnhart |
| Rig Contractor & No.: | Nabors 888 |

| | |
|--------------|------|
| 00:00 Depth: | 5305 |
| 24:00 Depth: | 6181 |

| | |
|------------------|------|
| Footage Today: | 876 |
| Current Run Ftg: | 5146 |

| | |
|-----------------|-------|
| Drlg Hrs Today: | 3.60 |
| Run Drlg Hrs: | 16.20 |

| | |
|---------------|--------|
| ROP Today: | 243.33 |
| Run Avg. ROP: | 317.65 |

Last Casing Set: 9 5/8"
Depth: 1035

| PUMP Data Total Gals/Min = | | | | | 582 | | MUD DATA | | Previous | | Current | | MOTOR DATA | | CURRENT | |
|----------------------------|-------|-------|------|---|----------|---------|------------|--|----------|-------|---------------|-------|--------------------|-------------|---------|--|
| Pump | | 1 | 2 | 0 | Mud Type | obm | | | 0 | BHA # | 1 | BHA # | | | | |
| Liner (in) | 5 1/2 | 5 1/2 | | | Sample | IN | | | | | BIT | | Run No. | 1 | | |
| % | 97.5 | 97.5 | | | Time | 3:00 | | | | | MOTOR | | Size (in.) | 6 3/4 | | |
| Vol (gps) | 3.51 | 3.51 | 0.00 | | Wt. | 9 | | | | | Pony Collar | | Type | 7/8 5.0 FBH | | |
| SPM | 83 | 83 | | | VIS | 49 | | | | | EM Tool | | Serial No. | RY700032 | | |
| DRILLING PARAMETERS | | | | | PV | 12 | | | | | NMDC | | Tool Deflection | 1.75 FBH | | |
| ST. WT. ROT 1000's: | | 75 | | | YP | 10 | | | | | X-O | | Avg. Diff. Press. | 800 | | |
| P/U WT. 1000's: | | 75 | | | WL | N/A | | | | | 3) 6 1/2 DC'S | | Daily Drill Hrs. | 3.60 | | |
| S/O WT. 1000's: | | 75 | | | CL | 66000 | | | | | X-0 | | Daily Circ. Hrs. | 0.90 | | |
| WOB 1000's: | | 30 | | | Gels | 9 11 12 | | | | | | | Daily Total Hrs: | 4.50 | | |
| ROTARY RPM: | | 50 | | | % Oil | 74.6 | | | | | | | Acc. Drill Hrs. | 16.20 | | |
| MOTOR RPM: | | 168 | | | % Solids | 6.6 | | | | | | | Acc. Circ. Hrs. | 4.70 | | |
| TOTAL Bit RPM | | 218 | | | % Sand | N/A | | | | | | | Depth In | 1035 | | |
| ROT TQ. OFF BTM: | | 1500 | | | PH | N/A | | | | | | | Depth Out | 6181 | | |
| ROT TQ. ON BTM: | | 9800 | | | Temp F | n/a | | | | | | | LIH Hrs. | | | |
| Current Mag Dec: | | | | | MWD F | 143 | BHA WT | | | | | | Acc. Hrs Cir/Drilg | 20.90 | | |
| Pulse Hight | | | | | GPM | 580 | BELOW JARS | | | | | | Total K Revs | 211.90 | | |
| "G" Totals | | | | | PSI | 2800 | | | | | | | Jar # HRS | | | |

| BIT DATA | | | | | | | | | | | | | | | | | |
|----------|-----------|----------|-------|------------|----------------|----------|--------------|-----------|-----------|----------------|----|----|-----|-----|-------|----|------|
| Bit No. | Size (in) | Mfg. | Type | Serial No. | Nozzles or TFA | Depth In | Cum. Footage | Cum. Hrs. | Depth Out | DULL CONDITION | | | | | | | |
| | | | | | | | | | | IR | OR | DC | LOC | B/S | G/16" | OC | RPLD |
| 1 | 8.75 | SECURITY | MM56D | 12678533 | 5X22 | 1035 | 5146 | 16.2 | 6181 | 0 | 1 | | | | N/A | | td |
| | | | | | | | | | | | | | | | | | |

[illegible]

Report #: 3A
Date: 11-Jun-16



NABORS

Job #: 9665

DAILY DRILLING REPORT

Oil Company: EP Energy
Field: University Lands
County, State: CROCKETT, TX
AFE or PO #: 163634

Customer: EP Energy
Well Name & No.: University Salt Draw 4101 GH
Block or Section: Barnhart
Rig Contractor & No.: Nabors 888

00:00 Depth: 6181 Footage Today: 554 Drlg Hrs Today: 6.30 ROP Today: 87.94 Last Casing Set: 9 5/8"
24:00 Depth: 6735 Current Run Ftg: 554 Run Drlg Hrs: 6.30 Run Avg. ROP: 87.94 Depth: 1035

| PUMP Data Total Gals/Min = 582 | | | | MUD DATA | | Previous | Current | MOTOR DATA | | CURRENT |
|--------------------------------|-------|-------|------|----------|---------|---------------|-------------|--------------------|-----------|---------|
| Pump | 1 | 2 | 0 | Mud Type | obm | BIT | BIT | Run No. | 2 | |
| Liner (in) | 5 1/2 | 5 1/2 | | Sample | IN | MOTOR | MOTOR | Size (in.) | 6 3/4 | |
| % | 97.5 | 97.5 | | Time | 3:00 | Pony Collar | Pony Collar | Type | 4/5 7.0 | |
| Vol (gps) | 3.51 | 3.51 | 0.00 | Wt. | 9 | EM Tool | EM Tool | Serial No. | RY 650606 | |
| SPM | 83 | 83 | | VIS | 49 | NMDC | Flex NMDC | Tool Deflection | 2.25 FBH | |
| DRILLING PARAMETERS | | | | PV | 12 | X-O | | Avg. Diff. Press. | | |
| ST. WT. ROT 1000's: | | 75 | | YP | 10 | 3) 6 1/2 DC'S | | Daily Drill Hrs. | 6.30 | |
| P/U WT. 1000's: | | 75 | | WL | N/A | X-O | | Daily Circ. Hrs. | 1.90 | |
| S/O WT. 1000's: | | 75 | | CL | 66000 | | | Daily Total Hrs. | 8.20 | |
| WOB 1000's: | | 30 | | Gels | 9_11_12 | | | Acc. Drill Hrs. | 6.30 | |
| ROTARY RPM: | | 50 | | % Oil | 74.6 | | | Acc. Circ. Hrs. | 1.90 | |
| MOTOR RPM: | | 168 | | % Solids | 6.6 | | | Depth In | 6181 | |
| TOTAL Bit RPM | | 218 | | % Sand | N/A | | | Depth Out | | |
| ROT TQ. OFF BTM: | | 1500 | | PH | N/A | | | LIH Hrs. | 12:10 | |
| ROT TQ. ON BTM: | | 9800 | | Temp F | n/a | | | Acc. LIH Hrs. | 12.17 | |
| Current Mag Dec: | | | | MWD F | 143 | BHA WT | | Acc. Hrs Cir/Drilg | 8.20 | |
| Pulse Hight | | | | GPM | 600 | BELOW JARS | | Total K Revs | 82.40 | |
| "G" Totals | | | | PSI | 2320 | | | Jar # HRS | | |

| BIT DATA | | | | | | | | | | | | | | DULL CONDITION | | | | | |
|----------|-----------|-------|--------|------------|----------------|----------|--------------|-----------|-----------|----|----|----|-----|----------------|-------|----|------|--|--|
| Bit No. | Size (in) | Mfg. | Type | Serial No. | Nozzles or TFA | Depth In | Cum. Footage | Cum. Hrs. | Depth Out | IR | OR | DC | LOC | B/S | G/16" | OC | RPLD | | |
| 2 | 8 3/4 | Baker | VG 20M | 5258026 | 3 x 18's | 6181 | | | | | | | | | | | | | |

| From | To | Hrs. | Start Depth | End Depth | CL | Code | Time Breakdown | Current Operations | | | |
|-------|-------|------|-------------|-----------|----|------|------------------------|--------------------------------|---------------|-------------|-------|
| 8:00 | 8:30 | 0:30 | | | | 6.G | P/U Curve Assembly | | | | |
| 8:30 | 12:00 | 3:30 | | | | 6.A | TIH | | | | |
| 12:00 | 12:15 | 0:15 | 6181 | 6194 | 13 | 2.A | Rotate Wob 25 Diff 340 | | | | |
| 12:15 | 12:30 | 0:15 | 6194 | 6220 | 26 | 2.B | SLIDE 184 MTF | DRILL TANGENT SECTION | | | |
| 12:30 | 12:35 | 0:05 | 6220 | 6226 | 6 | 2.A | Rotate Wob 25 Diff 340 | TO KOP 6181' MD | | | |
| 12:35 | 12:50 | 0:15 | 6226 | 6251 | 25 | 2.B | SLIDE 184 MTF | pooh for curve assy | | | |
| 12:50 | 12:50 | 0:00 | 6251 | 6251 | 0 | KOP | C/S 6,198 | | | | |
| 12:50 | 13:05 | 0:15 | 6251 | 6257 | 6 | 2.A | Rotate Wob 25 Diff 340 | | | | |
| 13:05 | 13:20 | 0:15 | 6257 | 6283 | 26 | 2.B | SLIDE 18 | | | | |
| 13:20 | 13:30 | 0:10 | | | | 10 | Svy 6,230 | | | | |
| 13:30 | 13:35 | 0:05 | 6283 | 6289 | 6 | 2.A | Rotate Wob 25 Diff 340 | Estimated Daily Charges | | | |
| 13:35 | 13:50 | 0:15 | 6289 | 6314 | 25 | 2.B | SLIDE 20 R Gtf | Description | Cost | | |
| 13:50 | 14:00 | 0:10 | | | | 10 | Svy 6,261 | | | | |
| 14:00 | 14:05 | 0:05 | 6314 | 6322 | 8 | 2.A | Rotate Wob 25 Diff 340 | | | | |
| 14:05 | 14:20 | 0:15 | 6322 | 6346 | 24 | 2.B | SLIDE HS Gtf | | | | |
| 14:20 | 14:30 | 0:10 | | | | 10 | Svy 6,293 | | | | |
| 14:30 | 14:35 | 0:05 | 6346 | 6349 | 3 | 2.A | Rotate Wob 25 Diff 340 | | | | |
| 14:35 | 14:50 | 0:15 | 6349 | 6378 | 29 | 2.B | SLIDE 20 L Gtf | | | | |
| 14:50 | 15:00 | 0:10 | | | | 10 | Svy 6,325 | | | | |
| 15:00 | 15:05 | 0:05 | 6378 | 6386 | 8 | 2.A | Rotate Wob 25 Diff 340 | | | | |
| 15:05 | 15:20 | 0:15 | 6386 | 6409 | 23 | 2.B | SLIDE 20 L Gtf | | | | |
| 15:20 | 15:30 | 0:10 | | | | 10 | Svy 6,356 | | | | |
| 15:30 | 15:40 | 0:10 | 6409 | 6441 | 32 | 2.B | SLIDE 0 HS Gtf | Estimated Daily Cost (USD) | \$ | - | |
| 15:40 | 15:50 | 0:10 | | | | 10 | Svy 6,388 | Accumulated Cost (USD) | \$ | - | |
| 15:50 | 15:55 | 0:05 | 6441 | 6444 | 3 | 2.A | Rotate Wob 25 Diff 340 | Company Representative (s) | | | |
| 15:55 | 16:10 | 0:15 | 6444 | 6472 | 28 | 2.B | SLIDE 0 HS Gtf | Joe Wilkerson | Jacob | | |
| 16:10 | 16:20 | 0:10 | | | | 10 | Svy 6,419 | Westom White | | | |
| 16:20 | 17:00 | 0:40 | 6472 | 6535 | 63 | 2.B | SLIDE 0 HS Gtf GPM 435 | Directional Representative (s) | | | |
| 17:00 | 17:10 | 0:10 | | | | 10 | Svy 6,482 | Paul Mizell | Robert Harper | | |
| 17:10 | 17:45 | 0:35 | 6535 | 6599 | 64 | 2.B | SLIDE 0 HS Gtf GPM 435 | | | | |
| 17:45 | 18:00 | 0:15 | | | | 10 | Svy 6,546 | MWD Representative (s) | | | |
| 18:00 | 18:05 | 0:05 | 6599 | 6604 | 5 | 2.A | Rotate Wob 25 Diff 340 | Mike Johns | | | |
| 18:05 | 18:22 | 0:17 | 6604 | 6630 | 26 | 2.B | SLIDE 0 HS Gtf GPM 435 | | | | |
| 18:22 | 18:32 | 0:10 | | | | 10 | Svy 6,577 | 24 Hour Breakdown | | | |
| 18:32 | 19:44 | 1:12 | 6630 | 6725 | 95 | 2.B | SLIDE 30L Gtf GPM 435 | Ftg Rot. | 68 | Time Rot. | 1.40 |
| 19:44 | 19:54 | 0:10 | | | | 10 | C/S 6672 | Ftg Orient | 486 | Time Orient | 4.90 |
| 19:54 | 20:10 | 0:16 | 6725 | 6735 | 10 | 2.A | Rotate Wob 40 Diff 340 | Rot. ROP | 48.57 | Orient ROP | 99.18 |



NABORS

Job # 9665

DAILY DRILLING REPORT

| | |
|----------------|-------------------------|
| Oil Company: | EP Energy |
| Field: | University Lands |
| County, State: | CROCKETT, TX |
| AFE or PO #: | 163634 |

| | |
|-----------------------|------------------------------|
| Customer: | EP Energy |
| Well Name & No.: | University Salt Draw 4101 GH |
| Block or Section: | Barnhart |
| Rig Contractor & No.: | Nabors 888 |

| | | | | | | | | | |
|--------------|------|------------------|-----|-----------------|------|---------------|-------|------------------|--------|
| 00:00 Depth: | 6735 | Footage Today: | 147 | Drig Hrs Today: | 2.70 | ROP Today: | 54.44 | Last Casing Set: | 9 5/8" |
| 24:00 Depth: | 6882 | Current Run Ftg: | 701 | Run Drig Hrs: | 9.00 | Run Avg. ROP: | 77.89 | Depth: | 1035 |

| | | | | | | Previous | | Current | | | |
|----------------------------|-------|-------|------|----------|---------|---------------|-------|-------------|-------|--------------------|-----------|
| PUMP Data Total Gals/Min = | | | 582 | MUD DATA | | 1 | BHA # | 2 | BHA # | MOTOR DATA | CURRENT |
| Pump | 1 | 2 | 0 | Mud Type | obm | BIT | | BIT | | Run No. | 2 |
| Liner (in) | 5 1/2 | 5 1/2 | | Sample | IN | MOTOR | | MOTOR | | Size (in.) | 6 3/4 |
| % | 97.5 | 97.5 | | Time | 3:00 | Pony Collar | | Pony Collar | | Type | 4/5 7.0 |
| Vol (gps) | 3.51 | 3.51 | 0.00 | Wt. | 9 | EM Tool | | EM Tool | | Serial No. | RY 650606 |
| SPM | 83 | 83 | | VIS | 49 | NMDC | | Flex NMDC | | Tool Deflection | 2.25 FBH |
| DRILLING PARAMETERS | | | | PV | 12 | X-O | | | | Avg. Diff. Press. | 450 |
| ST. WT. ROT 1000's: | | 75 | | YP | 10 | 3) 6 1/2 DC'S | | | | Daily Drill Hrs. | 2.70 |
| P/U WT. 1000's: | | 75 | | WL | N/A | X-O | | | | Daily Circ. Hrs. | 1.10 |
| S/O WT. 1000's: | | 75 | | CL | 66000 | | | | | Daily Total Hrs: | 3.80 |
| WOB 1000's: | | 30 | | Gels | 9 11 12 | | | | | Acc. Drill Hrs. | 9.00 |
| ROTARY RPM: | | 50 | | % Oil | 74.6 | | | | | Acc. Circ. Hrs. | 3.00 |
| MOTOR RPM: | | 168 | | % Solids | 6.6 | | | | | Depth In | 6181 |
| TOTAL Bit RPM | | 218 | | % Sand | N/A | | | | | Depth Out | 6882 |
| ROT TQ. OFF BTM: | | 1500 | | PH | N/A | | | | | LIH Hrs. | 3:49 |
| ROT TQ. ON BTM: | | 9800 | | Temp F | n/a | | | | | Acc. LIH Hrs. | 15.98 |
| Current Mag Dec: | | | | MWD F | 143 | BHA WT | | | | Acc. Hrs Cir/Drilg | 12.00 |
| Pulse Hight | | | | GPM | 600 | BELOW JARS | | | | Total K Revs | 117.72 |
| "G" Totals | | | | PSI | 2320 | | | | | Jar # HRS | |

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4

12-Jun-16



NABORS

9665

DAILY DRILLING REPORT

EP Energy

EP Energy

0

0

0.00

—

9 5/8"

| PUMP Data Total Gals/Min = | | | | | | 582 | | MUD DATA | | Previous | | Current | | | |
|----------------------------|-------|-------|------|----------|----------|---------|---------------|-------------|-------|-------------|--------------------|-------------------|--------|-----------|--|
| | | | | | | | | 1 | BHA # | 2 | BHA # | MOTOR DATA | | CURRENT | |
| Pump | 1 | 2 | 0 | Mud Type | obm | | | BIT | | BIT | | Run No. | | 2 | |
| Liner (in) | 5 1/2 | 5 1/2 | | Sample | IN | | | MOTOR | | MOTOR | | Size (in.) | | 6 3/4 | |
| % | 97.5 | 97.5 | | Time | 3:00 | | | Pony Collar | | Pony Collar | | Type | | 4/5 7.0 | |
| Vol (gps) | 3.51 | 3.51 | 0.00 | Wt. | 9 | | | EM Tool | | EM Tool | | Serial No. | | RY 650606 | |
| SPM | 83 | 83 | | VIS | 49 | | | NMDC | | Flex NMDC | | Tool Deflection | | 2.25 FBH | |
| DRILLING PARAMETERS | | | | | | PV | | 12 | | X-O | | Avg. Diff. Press. | | 450 | |
| ST. WT. ROT 1000's: | | 75 | | | YP | 10 | 3) 6 1/2 DC'S | | | | Daily Drill Hrs. | | 0.00 | | |
| P/U WT. 1000's: | | 75 | | | WL | N/A | X-0 | | | | Daily Circ. Hrs. | | 0.50 | | |
| S/O WT. 1000's: | | 75 | | | CL | 66000 | | | | | Daily Total Hrs: | | 0.50 | | |
| WOB 1000's: | | 30 | | | Gels | 9_11_12 | | | | | Acc. Drill Hrs. | | 9.00 | | |
| ROTARY RPM: | | 50 | | | % Oil | 74.6 | | | | | Acc. Circ. Hrs. | | 3.50 | | |
| MOTOR RPM: | | 168 | | | % Solids | 6.6 | | | | | Depth In | | 6181 | | |
| TOTAL Bit RPM | | 218 | | | % Sand | N/A | | | | | Depth Out | | 6882 | | |
| ROT TQ. OFF BTM: | | 1500 | | | PH | N/A | | | | | LIH Hrs. | | 4:15 | | |
| ROT TQ. ON BTM: | | 9800 | | | Temp F | n/a | | | | | Acc. LIH Hrs. | | 20.23 | | |
| Current Mag Dec: | | | | | MWD F | 143 | BHA WT | | | | Acc. Hrs Cir/Drilg | | 12.50 | | |
| Pulse Hight | | | | | GPM | 600 | BELOW JARS | | | | Total K Revs | | 117.72 | | |
| "G" Totals | | | | | PSI | 2320 | | | | | Jar # HRS | | | | |

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Report #: 4A
Date: 12-Jun-16



NABORS

Job #: 9665

DAILY DRILLING REPORT

Oil Company: EP Energy
Field: University Lands
County, State: CROCKETT, TX
AFE or PO #: 163634

Customer: EP Energy
Well Name & No.: University Salt Draw 4101 GH
Block or Section: Barnhart
Rig Contractor & No.: Nabors 888

00:00 Depth: 6882 Footage Today: 1404 Drlg Hrs Today: 3.20 ROP Today: 438.75 Last Casing Set: 9 5/8"
24:00 Depth: 8286 Current Run Ftg: 1404 Run Drlg Hrs: 3.20 Run Avg. ROP: 438.75 Depth: 1035

| PUMP Data Total Gals/Min = 582 | | | | MUD DATA | | Previous | Current | MOTOR DATA | | CURRENT |
|--------------------------------|-------|-------|------|----------|---------|----------|---------|------------|-------|---------|
| Pump | 1 | 2 | 0 | Mud Type | obm | 2 | BHA # | 3 | BHA # | |
| Liner (in) | 5 1/2 | 5 1/2 | | Sample | IN | | | | | |
| % | 97.5 | 97.5 | | Time | 3:00 | | | | | |
| Vol (gps) | 3.51 | 3.51 | 0.00 | Wt. | 9 | | | | | |
| SPM | 83 | 83 | | VIS | 49 | | | | | |
| DRILLING PARAMETERS | | | | PV | 12 | | | | | |
| ST. WT. ROT 1000's: | | 75 | | YP | 10 | | | | | |
| P/U WT. 1000's: | | 75 | | WL | N/A | | | | | |
| S/O WT. 1000's: | | 75 | | CL | 66000 | | | | | |
| WOB 1000's: | | 30 | | Gels | 9_11_12 | | | | | |
| ROTARY RPM: | | 50 | | % Oil | 74.6 | | | | | |
| MOTOR RPM: | | 168 | | % Solids | 6.6 | | | | | |
| TOTAL Bit RPM | | 218 | | % Sand | N/A | | | | | |
| ROT TQ. OFF BTM: | | 1500 | | PH | N/A | | | | | |
| ROT TQ. ON BTM: | | 9800 | | Temp F | n/a | | | | | |
| Current Mag Dec: | | | | MWD F | 143 | | | | | |
| Pulse Hight | | | | GPM | 600 | | | | | |
| "G" Totals | | | | PSI | 2960 | | | | | |

| BIT DATA | | | | | | | | | | | | | | DULL CONDITION | | | | | |
|----------|-----------|-------|--------|------------|----------------|----------|--------------|-----------|-----------|----|----|----|-----|----------------|-------|----|------|--|--|
| Bit No. | Size (in) | Mfg. | Type | Serial No. | Nozzles or TFA | Depth In | Cum. Footage | Cum. Hrs. | Depth Out | IR | OR | DC | LOC | B/S | G/16" | OC | RPLD | | |
| 2 | 8 3/4 | Baker | VG 20M | 5258026 | 3 x 18's | 6181 | 701 | 8.8 | 6882 | 0 | 0 | CT | N | E | 0 | CT | TD | | |
| 3 | 8.5 | Baker | T606X | 7151763 | 6X18's | 6882 | | | | | | | | | | | | | |

| From | To | Hrs. | Start Depth | End Depth | CL | Code | Time Breakdown | Current Operations | | | |
|-------|-------|------|-------------|-----------|----|------|------------------------|---|--------|---------------|--------|
| 4:15 | 5:00 | 0:45 | | | | 6.G | PICK UP TOOLS | PICK UP LATERAL ASSY | | | |
| 5:00 | 9:05 | 4:05 | | | | 6.A | TIH | | | | |
| 9:05 | 9:15 | 0:10 | 6882 | 6936 | 54 | 2.B | SLIDE HS GPM 600 | @ MD 6,882 New Target 90.14 / V-Sec 2500 / TVD 6591 | | | |
| 9:15 | 9:25 | 0:10 | | | | 10 | C/S 6,885 | @ MD 7,599 New Target 90.10 / V-Sec 3500 / TVD 6590 | | | |
| 9:25 | 9:35 | 0:10 | 6936 | 6956 | 20 | 2.B | SLIDE HS GPM 600 | | | | |
| 9:35 | 9:45 | 0:10 | 6956 | 7031 | 75 | 2.A | Rotate Wob 30 Diff 650 | | | | |
| 9:45 | 9:45 | 0:00 | 7031 | 7031 | 0 | EOC | C/S 6,980 | | | | |
| 9:45 | 10:00 | 0:15 | 7031 | 7126 | 95 | 2.A | Rotate Wob 30 Diff 650 | | | | |
| 10:00 | 10:10 | 0:10 | | | | 10 | C/S 7,075 | | | | |
| 10:10 | 10:20 | 0:10 | 7126 | 7221 | 95 | 2.A | Rotate Wob 30 Diff 650 | | | | |
| 10:20 | 10:30 | 0:10 | | | | 10 | C/S 7,170 | Estimated Daily Charges | | | |
| 10:30 | 10:35 | 0:05 | 7221 | 7231 | 10 | 2.B | SLIDE 180 Gtf | Description | | Cost | |
| 10:35 | 10:45 | 0:10 | 7231 | 7315 | 84 | 2.A | Rotate Wob 30 Diff 650 | | | | |
| 10:45 | 10:50 | 0:05 | | | | 10 | C/S 7,264 | | | | |
| 10:50 | 11:00 | 0:10 | 7315 | 7410 | 95 | 2.A | Rotate Wob 30 Diff 650 | | | | |
| 11:00 | 11:05 | 0:05 | | | | 10 | C/S 7,359 | | | | |
| 11:05 | 11:10 | 0:05 | 7410 | 7430 | 20 | 2.B | SLIDE 130 R Gtf | | | | |
| 11:10 | 11:20 | 0:10 | 7430 | 7504 | 74 | 2.A | Rotate Wob 30 Diff 650 | | | | |
| 11:20 | 11:25 | 0:05 | | | | 10 | C/S 7,422 | | | | |
| 11:25 | 11:30 | 0:05 | 7504 | 7518 | 14 | 2.B | SLIDE 90 R Gtf | | | | |
| 11:30 | 11:40 | 0:10 | 7518 | 7599 | 81 | 2.A | Rotate Wob 30 Diff 650 | | | | |
| 11:40 | 11:45 | 0:05 | | | | 10 | C/S 7,422 | | | | |
| 11:45 | 12:00 | 0:15 | 7599 | 7693 | 94 | 2.A | Rotate Wob 30 Diff 650 | Estimated Daily Cost (USD) | | \$ - | |
| 12:00 | 12:10 | 0:10 | | | | 10 | C/S 7,642 | Accumulated Cost (USD) | | \$ - | |
| 12:10 | 12:20 | 0:10 | 7693 | 7788 | 95 | 2.A | Rotate Wob 30 Diff 650 | Company Representative (s) | | | |
| 12:20 | 12:25 | 0:05 | | | | 10 | C/S 7,737 | Joe Wilkerson | | Jacob | |
| 12:25 | 12:35 | 0:10 | 7788 | 7882 | 94 | 2.A | Rotate Wob 30 Diff 650 | Westom White | | | |
| 12:35 | 12:40 | 0:05 | | | | 10 | C/S 7,831 | Directional Representative (s) | | | |
| 12:40 | 12:50 | 0:10 | 7882 | 7977 | 95 | 2.A | Rotate Wob 30 Diff 650 | Paul Mizell | | Robert Harper | |
| 12:50 | 13:00 | 0:10 | | | | 10 | C/S 7,926 | | | | |
| 13:00 | 13:10 | 0:10 | 7977 | 8071 | 94 | 2.A | Rotate Wob 30 Diff 650 | MWD Representative (s) | | | |
| 13:10 | 13:15 | 0:05 | | | | 10 | C/S 8,020 | Mike Johns | | | |
| 13:15 | 13:30 | 0:15 | 8071 | 8166 | 95 | 2.A | Rotate Wob 30 Diff 650 | | | | |
| 13:30 | 13:35 | 0:05 | | | | 10 | C/S 8,115 | 24 Hour Breakdown | | | |
| 13:35 | 13:40 | 0:05 | 8166 | 8261 | 95 | 2.A | Rotate Wob 30 Diff 650 | Ftg Rot. | 1261 | Time Rot. | 2.50 |
| 13:40 | 13:55 | 0:15 | | | | 10 | C/S 8,210 | Ftg Orient | 143 | Time Orient | 0.70 |
| 13:55 | 14:00 | 0:05 | 8261 | 8286 | 25 | 2.B | SLIDE 120 R Gtf | Rot. ROP | 504.40 | Orient ROP | 204.29 |

Report #: 4B
Date: 12-Jun-16



NABORS

Job #: 9665

DAILY DRILLING REPORT

Oil Company: EP Energy
Field: University Lands
County, State: CROCKETT, TX
AFE or PO #: 163634

Customer: EP Energy
Well Name & No.: University Salt Draw 4101 GH
Block or Section: Barnhart
Rig Contractor & No.: Nabors 888

00:00 Depth: 8286 Footage Today: 1302 Drlg Hrs Today: 3.20 ROP Today: 406.88 Last Casing Set: 9 5/8"
24:00 Depth: 9588 Current Run Ftg: 2706 Run Drlg Hrs: 6.40 Run Avg. ROP: 422.81 Depth: 1035

| PUMP Data Total Gals/Min = | | | | | 582 | | MUD DATA | | Previous | | Current | | MOTOR DATA | | CURRENT | | | |
|----------------------------|--|-------|-------|------|----------|------|----------|-------------|------------|-------------|---------|-----------------|--------------------|--|---------|----------|-------|--|
| Pump | | 1 | 2 | 0 | Mud Type | obm | | 2 | BHA # | 3 | BHA # | | | | | | | |
| Liner (in) | | 5 1/2 | 5 1/2 | | Sample | IN | | MOTOR | | MOTOR | | Run No. | | | | 3 | | |
| % | | 97.5 | 97.5 | | Time | 3:00 | | Pony Collar | | Pony Collar | | Type | | | | 7/8 5 | | |
| Vol (gps) | | 3.51 | 3.51 | 0.00 | Wt. | 9 | | EM Tool | | EM Tool | | Serial No. | | | | RY675081 | | |
| SPM | | 83 | 83 | | VIS | 49 | | FLEX | | NMDC | | Tool Deflection | | | | 1.75 FBH | | |
| DRILLING PARAMETERS | | | | | PV | | 12 | | | | | | Avg. Diff. Press. | | | | | |
| ST. WT. ROT 1000's: | | 75 | | | YP | | 10 | | | | | | Daily Drill Hrs. | | | | 3.20 | |
| P/U WT. 1000's: | | 75 | | | WL | | N/A | | | | | | Daily Circ. Hrs. | | | | 1.50 | |
| S/O WT. 1000's: | | 75 | | | CL | | 66000 | | | | | | Daily Total Hrs: | | | | 4.70 | |
| WOB 1000's: | | 30 | | | Gels | | 9_11_12 | | | | | | Acc. Drill Hrs. | | | | 6.40 | |
| ROTARY RPM: | | 50 | | | % Oil | | 74.6 | | | | | | Acc. Circ. Hrs. | | | | 3.30 | |
| MOTOR RPM: | | 168 | | | % Solids | | 6.6 | | | | | | Depth In | | | | 6882 | |
| TOTAL Bit RPM | | 218 | | | % Sand | | N/A | | | | | | Depth Out | | | | | |
| ROT TQ. OFF BTM: | | 1500 | | | PH | | N/A | | | | | | LIH Hrs. | | | | 5.35 | |
| ROT TQ. ON BTM: | | 9800 | | | Temp F | | n/a | | | | | | Acc. LIH Hrs. | | | | 15.33 | |
| Current Mag Dec: | | | | | MWD F | | 143 | | BHA WT | | | | Acc. Hrs Cir/Drilg | | | | 9.70 | |
| Pulse Hight | | | | | GPM | | 600 | | BELOW JARS | | | | Total K Revs | | | | 83.71 | |
| "G" Totals | | | | | PSI | | 3550 | | | | | | Jar # HRS | | | | | |

| BIT DATA | | | | | | | | | | | | | | DULL CONDITION | | | | | |
|----------|-----------|-------|--------|------------|----------------|----------|--------------|-----------|-----------|----|----|----|-----|----------------|-------|----|------|--|--|
| Bit No. | Size (in) | Mfg. | Type | Serial No. | Nozzles or TFA | Depth In | Cum. Footage | Cum. Hrs. | Depth Out | IR | OR | DC | LOC | B/S | G/16" | OC | RPLD | | |
| 2 | 8 3/4 | Baker | VG 20M | 5258026 | 3 x 18's | 6181 | 701 | 8.8 | 6882 | 0 | 0 | CT | N | E | 0 | CT | TD | | |
| 3 | 8.5 | Baker | T606X | 7151763 | 6X18's | 6882 | | | | | | | | | | | | | |

| From | To | Hrs. | Start Depth | End Depth | CL | Code | Time Breakdown | Current Operations |
|-------|-------|------|-------------|-----------|----|------|------------------------|---|
| 14:00 | 14:10 | 0:10 | 8286 | 8356 | 70 | 2.A | Rotate Wob 30 Diff 650 | PICK UP LATERAL ASSY |
| 14:10 | 14:15 | 0:05 | | | | 10 | C/S 8,305 | |
| 14:15 | 14:20 | 0:05 | 8356 | 8381 | 25 | 2.B | SLIDE 90 R Gtf | @ MD 6,882 New Target 90.14 / V-Sec 2500 / TVD 6591 |
| 14:20 | 14:30 | 0:10 | 8381 | 8451 | 70 | 2.A | Rotate Wob 30 Diff 650 | @ MD 7,599 New Target 90.10 / V-Sec 3500 / TVD 6590 |
| 14:30 | 14:35 | 0:05 | | | | 10 | C/S 8,400 | @ MD 8,735 New Target 90.30 / V-Sec 4500 / TVD 6577 |
| 14:35 | 14:45 | 0:10 | 8451 | 8546 | 95 | 2.A | Rotate Wob 30 Diff 650 | |
| 14:45 | 14:50 | 0:05 | | | | 10 | C/S 8,495 | |
| 14:50 | 15:00 | 0:10 | 8546 | 8640 | 94 | 2.A | Rotate Wob 30 Diff 650 | |
| 15:00 | 15:05 | 0:05 | | | | 10 | C/S 8,640 | |
| 15:05 | 15:20 | 0:15 | 8640 | 8735 | 95 | 2.A | Rotate Wob 30 Diff 650 | |
| 15:20 | 15:25 | 0:05 | | | | 10 | C/S 8,684 | Estimated Daily Charges |
| 15:25 | 15:35 | 0:10 | 8735 | 8830 | 95 | 2.A | Rotate Wob 30 Diff 650 | Description Cost |
| 15:35 | 15:45 | 0:10 | | | | 10 | C/S 8,779 | |
| 15:45 | 15:50 | 0:05 | 8830 | 8842 | 12 | 2.B | SLIDE 140 L Gtf | |
| 15:50 | 16:00 | 0:10 | 8842 | 8925 | 83 | 2.A | Rotate Wob 30 Diff 650 | |
| 16:00 | 16:05 | 0:05 | | | | 10 | C/S 8,874 | |
| 16:05 | 16:10 | 0:05 | 8925 | 8945 | 20 | 2.B | SLIDE 140 L Gtf | |
| 16:10 | 16:20 | 0:10 | 8945 | 9019 | 74 | 2.A | Rotate Wob 30 Diff 650 | |
| 16:20 | 16:25 | 0:05 | | | | 10 | C/S 8,968 | |
| 16:25 | 16:35 | 0:10 | 9019 | 9114 | 95 | 2.A | Rotate Wob 30 Diff 650 | |
| 16:35 | 16:40 | 0:05 | | | | 10 | C/S 9,063 | |
| 16:40 | 16:55 | 0:15 | 9114 | 9209 | 95 | 2.A | Rotate Wob 30 Diff 650 | |
| 16:55 | 17:00 | 0:05 | | | | 10 | C/S 9,158 | Estimated Daily Cost (USD) \$ - |
| 17:00 | 17:10 | 0:10 | 9209 | 9304 | 95 | 2.A | Rotate Wob 30 Diff 650 | Accumulated Cost (USD) \$ - |
| 17:10 | 17:15 | 0:05 | | | | 10 | C/S 9,252 | Company Representative (s) |
| 17:15 | 17:20 | 0:05 | 9304 | 9324 | 20 | 2.B | SLIDE 130 L Gtf | Joe Wilkerson Jacob |
| 17:20 | 17:25 | 0:05 | 9324 | 9360 | 36 | 2.A | Rotate Wob 30 Diff 650 | Westom White |
| 17:25 | 17:35 | 0:10 | | | | 7 | Rig Service | Directional Representative (s) |
| 17:35 | 17:40 | 0:05 | 9360 | 9398 | 38 | 2.A | Rotate Wob 30 Diff 650 | Paul Mizell Robert Harper |
| 17:40 | 17:55 | 0:15 | | | | 10 | C/S 9,347 | |
| 17:55 | 18:00 | 0:05 | 9398 | 9423 | 25 | 2.B | SLIDE 110 L Gtf | MWD Representative (s) |
| 18:00 | 18:05 | 0:05 | 9423 | 9443 | 20 | 2.A | Rotate Wob 30 Diff 650 | Mike Johns |
| 18:05 | 18:47 | 0:42 | | | | 8 | Work on transducer | |
| 18:47 | 18:56 | 0:09 | 9443 | 9493 | 50 | 2.A | Rotate Wob 30 Diff 650 | 24 Hour Breakdown |
| 18:56 | 19:10 | 0:14 | | | | 10 | C/S 9,442 | Ftg Rot. 1180 Time Rot. 2.70 |
| 19:10 | 19:20 | 0:10 | 9493 | 9513 | 20 | 2.B | SLIDE 150 L Gtf | Ftg Orient 122 Time Orient 0.60 |
| 19:20 | 19:35 | 0:15 | 9513 | 9588 | 75 | 2.A | Rotate Wob 30 Diff 650 | Rot. ROP 437.04 Orient ROP 203.33 |

4C

12-Jun-16



NABORS

9665

DAILY DRILLING REPORT

EP Energy

University Lands

CROCKETT, TX

163634

EP Energy

University Salt Draw 4101 GH

Barnhart

Nabors 888

9588

10345

757

3463

2.30

8.70

329.13

398.05

9 5/8"

1035

| PUMP Data Total Gals/Min = | | | | | | 603 | | MUD DATA | | Previous | | Current | | MOTOR DATA | | CURRENT | |
|----------------------------|-------|-------|-------|--------|----------|-------------|-----|-------------|-----|-------------------|---------|--------------------|---|------------|--|---------|--|
| Pump | | 1 | 2 | 0 | Mud Type | obm | BIT | | BIT | | Run No. | | 3 | | | | |
| Liner (in) | 5 1/2 | 5 1/2 | | Sample | IN | MOTOR | | MOTOR | | Size (in.) | | 6 3/4 | | | | | |
| % | 97.5 | 97.5 | | Time | 3:00 | Pony Collar | | Pony Collar | | Type | | 7/8 5 | | | | | |
| Vol (gps) | 3.51 | 3.51 | 0.00 | Wt. | 9 | EM Tool | | EM Tool | | Serial No. | | RY675081 | | | | | |
| SPM | 86 | 86 | | VIS | 49 | FLEX | | NMDC | | Tool Deflection | | 1.75 FBH | | | | | |
| DRILLING PARAMETERS | | | | | | PV | | 12 | | Avg. Diff. Press. | | | | | | | |
| ST. WT. ROT 1000's: | | | 180 | | | YP | | 10 | | Daily Drill Hrs. | | 2.30 | | | | | |
| P/U WT. 1000's: | | | 280 | | | WL | | N/A | | Daily Circ. Hrs. | | 1.90 | | | | | |
| S/O WT. 1000's: | | | 100 | | | CL | | 66000 | | Daily Total Hrs: | | 4.20 | | | | | |
| WOB 1000's: | | | 30 | | | Gels | | 9_11_12 | | Acc. Drill Hrs. | | 8.70 | | | | | |
| ROTARY RPM: | | | 65 | | | % Oil | | 74.6 | | Acc. Circ. Hrs. | | 5.20 | | | | | |
| MOTOR RPM: | | | 168 | | | % Solids | | 6.6 | | Depth In | | 6882 | | | | | |
| TOTAL Bit RPM | | | 233 | | | % Sand | | N/A | | Depth Out | | | | | | | |
| ROT TQ. OFF BTM: | | | 4000 | | | PH | | N/A | | LIH Hrs. | | 4:24 | | | | | |
| ROT TQ. ON BTM: | | | 17000 | | | Temp F | | n/a | | Acc. LIH Hrs. | | 19.73 | | | | | |
| Current Mag Dec: | | | | | | MWD F | | 143 | | BHA WT | | Acc. Hrs Cir/Drilg | | 13.90 | | | |
| Pulse Hight | | | | | | GPM | | 600 | | BELOW JARS | | Total K Revs | | 121.63 | | | |
| "G" Totals | | | | | | PSI | | 3550 | | | | Jar # HRS | | | | | |

[illegible]

| From | To | Hrs. | Start Depth | End Depth | CL | Code | Time Breakdown | Current Operations | | | | | | | |
|-------|-------|------|-------------|-----------|----|------|-------------------------|---|--|--------|---------------|-------------|--|--------|--|
| 19:35 | 20:00 | 0:25 | | | | 10 | C/S 9537 | PICK UP LATERAL ASSY | | | | | | | |
| 20:00 | 20:20 | 0:20 | 9588 | 9618 | 30 | 2.B | SLIDE 100R Gtf | | | | | | | | |
| 20:20 | 20:30 | 0:10 | 9618 | 9683 | 65 | 2.A | Rotate Wob 30 Diff 650 | @ MD 6,882 New Target 90.14 / V-Sec 2500 / TVD 6591 | | | | | | | |
| 20:30 | 21:05 | 0:35 | | | | 10 | C/S 9537 C/O TRANSDUCER | @ MD 7,599 New Target 90.10 / V-Sec 3500 / TVD 6590 | | | | | | | |
| 21:05 | 21:15 | 0:10 | 9683 | 9778 | 95 | 2.A | Rotate Wob 30 Diff 650 | @ MD 8,735 New Target 90.30 / V-Sec 4500 / TVD 6577 | | | | | | | |
| 21:15 | 21:25 | 0:10 | | | | 10 | C/S 9727 | @ MD 9683 New Target 90.34 / V-Sec 5500 / TVD 6563 | | | | | | | |
| 21:25 | 21:28 | 0:03 | 9778 | 9788 | 10 | 2.B | SLIDE 180 | | | | | | | | |
| 21:28 | 21:40 | 0:12 | 9788 | 9873 | 85 | 2.A | Rotate Wob 30 Diff 650 | | | | | | | | |
| 21:40 | 21:50 | 0:10 | | | | 10 | C/S 9822 | | | | | | | | |
| 21:50 | 22:05 | 0:15 | 9873 | 9967 | 94 | 2.A | Rotate Wob 30 Diff 650 | | | | | | | | |
| 22:05 | 22:10 | 0:05 | | | | 10 | C/S 9916 | Estimated Daily Charges | | | | | | | |
| 22:10 | 22:25 | 0:15 | 9967 | 10061 | 94 | 2.A | Rotate Wob 30 Diff 650 | Description | | | Cost | | | | |
| 22:25 | 22:30 | 0:05 | | | | 10 | C/S 10010 | | | | | | | | |
| 22:30 | 22:47 | 0:17 | 10061 | 10156 | 95 | 2.A | Rotate Wob 30 Diff 650 | | | | | | | | |
| 22:47 | 22:55 | 0:08 | | | | 10 | C/S 10105 | | | | | | | | |
| 22:55 | 23:00 | 0:05 | 10156 | 10166 | 10 | 2.B | SLIDE HS | | | | | | | | |
| 23:00 | 23:05 | 0:05 | 10166 | 10200 | 34 | 2.A | Rotate Wob 30 Diff 750 | | | | | | | | |
| 23:05 | 23:20 | 0:15 | | | | 8 | WORK ON PUMPS | | | | | | | | |
| 23:20 | 23:33 | 0:13 | 10200 | 10250 | 50 | 2.A | Rotate Wob 30 Diff 750 | | | | | | | | |
| 23:33 | 23:38 | 0:05 | | | | 10 | C/S 10199 | | | | | | | | |
| 23:38 | 23:50 | 0:12 | 10250 | 10345 | 95 | 2.A | Rotate Wob 30 Diff 750 | | | | | | | | |
| 23:50 | 23:59 | 0:09 | | | | 10 | C/S 10294 | | | | | | | | |
| | | | | | | | | Estimated Daily Cost (USD) | | | \$ - | | | | |
| | | | | | | | | Accumulated Cost (USD) | | | \$ - | | | | |
| | | | | | | | | Company Representative (s) | | | | | | | |
| | | | | | | | | Joe Wilkerson | | | Jacob | | | | |
| | | | | | | | | Westom White | | | | | | | |
| | | | | | | | | Directional Representative (s) | | | | | | | |
| | | | | | | | | Paul Mizell | | | Robert Harper | | | | |
| | | | | | | | | MWD Representative (s) | | | | | | | |
| | | | | | | | | Mike Johns | | | | | | | |
| | | | | | | | | 24 Hour Breakdown | | | | | | | |
| | | | | | | | | Ftg Rot. | | 707 | | Time Rot. | | 1.80 | |
| | | | | | | | | Ftg Orient | | 50 | | Time Orient | | 0.50 | |
| | | | | | | | | Rot. ROP | | 392.78 | | Orient ROP | | 100.00 | |

Report #: 5
Date: 13-Jun-16



NABORS

Job #: 9665

DAILY DRILLING REPORT

Oil Company: EP Energy
Field: University Lands
County, State: CROCKETT, TX
AFE or PO #: 163634

Customer: EP Energy
Well Name & No.: University Salt Draw 4101 GH
Block or Section: Barnhart
Rig Contractor & No.: Nabors 888

00:00 Depth: 10345 Footage Today: 1421 Drlg Hrs Today: 5.10 ROP Today: 278.63 Last Casing Set: 9 5/8"
24:00 Depth: 11766 Current Run Ftg: 4884 Run Drlg Hrs: 13.80 Run Avg. ROP: 353.91 Depth: 1035

| PUMP Data Total Gals/Min = 568 | | | | MUD DATA | | Previous | Current | MOTOR DATA | | CURRENT |
|--------------------------------|-------|-------|------|----------|---------|----------|---------|------------|-------|---------|
| Pump | 1 | 2 | 0 | Mud Type | obm | 2 | BHA # | 3 | BHA # | |
| Liner (in) | 5 1/2 | 5 1/2 | | Sample | IN | | | | | |
| % | 97.5 | 97.5 | | Time | 3:00 | | | | | |
| Vol (gps) | 3.51 | 3.51 | 0.00 | Wt. | 9 | | | | | |
| SPM | 81 | 81 | | VIS | 49 | | | | | |
| DRILLING PARAMETERS | | | | PV | 12 | | | | | |
| ST. WT. ROT 1000's: | 180 | | | YP | 10 | | | | | |
| P/U WT. 1000's: | 280 | | | WL | N/A | | | | | |
| S/O WT. 1000's: | 100 | | | CL | 66000 | | | | | |
| WOB 1000's: | 30 | | | Gels | 9_11_12 | | | | | |
| ROTARY RPM: | 65 | | | % Oil | 74.6 | | | | | |
| MOTOR RPM: | 168 | | | % Solids | 6.6 | | | | | |
| TOTAL Bit RPM | 233 | | | % Sand | N/A | | | | | |
| ROT TQ. OFF BTM: | 7000 | | | PH | N/A | | | | | |
| ROT TQ. ON BTM: | 20000 | | | Temp F | n/a | | | | | |
| Current Mag Dec: | | | | MWD F | 143 | | | | | |
| Pulse Height | | | | GPM | 600 | | | | | |
| "G" Totals | | | | PSI | 3550 | | | | | |

| BIT DATA | | | | | | | | | | | | | | DULL CONDITION | | | | | |
|----------|-----------|-------|--------|------------|----------------|----------|--------------|-----------|-----------|----|----|----|-----|----------------|-------|----|------|--|--|
| Bit No. | Size (in) | Mfg. | Type | Serial No. | Nozzles or TFA | Depth In | Cum. Footage | Cum. Hrs. | Depth Out | IR | OR | DC | LOC | B/S | G/16" | OC | RPLD | | |
| 2 | 8 3/4 | Baker | VG 20M | 5258026 | 3 x 18's | 6181 | 701 | 8.8 | 6882 | 0 | 0 | CT | N | E | 0 | CT | TD | | |
| 3 | 8.5 | Baker | T606X | 7151763 | 6X18's | 6882 | | | | | | | | | | | | | |

| From | To | Hrs. | Start Depth | End Depth | CL | Code | Time Breakdown | Current Operations | | | |
|------|------|------|-------------|-----------|----|------|------------------------|--------------------------------|--------|---------------|-------|
| 0:00 | 0:10 | 0:10 | 10345 | 10355 | 10 | 2.B | SLIDE 160L | | | | |
| 0:10 | 0:25 | 0:15 | 10355 | 10440 | 85 | 2.A | Rotate Wob 30 Diff 750 | DRILL LATERAL | | | |
| 0:25 | 0:30 | 0:05 | | | | 10 | C/S 10389 | | | | |
| 0:30 | 0:42 | 0:12 | 10440 | 10534 | 94 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 0:42 | 0:47 | 0:05 | | | | 10 | C/S 10483 | | | | |
| 0:47 | 1:02 | 0:15 | 10534 | 10629 | 95 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 1:02 | 1:07 | 0:05 | | | | 10 | C/S 10578 | | | | |
| 1:07 | 1:26 | 0:19 | 10629 | 10724 | 95 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 1:26 | 1:31 | 0:05 | | | | 10 | C/S 10673 | | | | |
| 1:31 | 1:41 | 0:10 | 10724 | 10739 | 15 | 2.B | SLIDE 120R | | | | |
| 1:41 | 1:58 | 0:17 | 10739 | 10819 | 80 | 2.A | Rotate Wob 30 Diff 750 | Estimated Daily Charges | | | |
| 1:58 | 2:03 | 0:05 | | | | 10 | C/S 10768 | Description | | Cost | |
| 2:03 | 2:09 | 0:06 | 10819 | 10829 | 10 | 2.B | SLIDE 180 | | | | |
| 2:09 | 2:22 | 0:13 | 10829 | 10914 | 85 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 2:22 | 2:27 | 0:05 | | | | 10 | C/S 10863 | | | | |
| 2:27 | 2:33 | 0:06 | 10914 | 10920 | 6 | 2.B | SLIDE 180 | | | | |
| 2:33 | 2:45 | 0:12 | 10920 | 11008 | 88 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 2:45 | 2:50 | 0:05 | | | | 10 | C/S 10957 | | | | |
| 2:50 | 3:03 | 0:13 | 11008 | 11028 | 20 | 2.B | SLIDE 90R | | | | |
| 3:03 | 3:16 | 0:13 | 11028 | 11103 | 75 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 3:16 | 3:21 | 0:05 | | | | 10 | C/S 11052 | | | | |
| 3:21 | 3:35 | 0:14 | 11103 | 11198 | 95 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 3:35 | 3:40 | 0:05 | | | | 10 | C/S 11147 | Estimated Daily Cost (USD) | | \$ - | |
| 3:40 | 3:57 | 0:17 | 11198 | 11228 | 30 | 2.B | SLIDE 120R | Accumulated Cost (USD) | | \$ - | |
| 3:57 | 4:09 | 0:12 | 11228 | 11293 | 65 | 2.A | Rotate Wob 30 Diff 750 | Company Representative (s) | | | |
| 4:09 | 4:14 | 0:05 | | | | 10 | C/S 11242 | Joe Wilkerson | | Jacob | |
| 4:14 | 4:30 | 0:16 | 11293 | 11387 | 94 | 2.A | Rotate Wob 30 Diff 750 | Westom White | | | |
| 4:30 | 4:35 | 0:05 | | | | 10 | C/S 11336 | Directional Representative (s) | | | |
| 4:35 | 4:45 | 0:10 | 11387 | 11397 | 10 | 2.B | SLIDE 180 | Paul Mizell | | Robert Harper | |
| 4:45 | 5:03 | 0:18 | 11397 | 11482 | 85 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 5:03 | 5:08 | 0:05 | | | | 10 | C/S 11431 | MWD Representative (s) | | | |
| 5:08 | 5:22 | 0:14 | 11482 | 11507 | 25 | 2.B | SLIDE 90L | Mike Johns | | | |
| 5:22 | 5:35 | 0:13 | 11507 | 11577 | 70 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 5:35 | 5:40 | 0:05 | | | | 10 | C/S 11526 | 24 Hour Breakdown | | | |
| 5:40 | 5:54 | 0:14 | 11577 | 11672 | 95 | 2.A | Rotate Wob 30 Diff 750 | Ftg Rot. | 1295 | Time Rot. | 3.60 |
| 5:54 | 5:59 | 0:05 | | | | 10 | C/S 11621 | Ftg Orient | 126 | Time Orient | 1.40 |
| 5:59 | 6:14 | 0:15 | 11672 | 11766 | 94 | 2.A | Rotate Wob 30 Diff 750 | Rot. ROP | 359.72 | Orient ROP | 90.00 |

Report #: 5A
Date: 13-Jun-16



NABORS

Job #: 9665

DAILY DRILLING REPORT

Oil Company: EP Energy
Field: University Lands
County, State: CROCKETT, TX
AFE or PO #: 163634

Customer: EP Energy
Well Name & No.: University Salt Draw 4101 GH
Block or Section: Barnhart
Rig Contractor & No.: Nabors 888

00:00 Depth: 11766 Footage Today: 1422 Drlg Hrs Today: 4.20 ROP Today: 338.57 Last Casing Set: 9 5/8"
24:00 Depth: 13188 Current Run Ftg: 6306 Run Drlg Hrs: 18.00 Run Avg. ROP: 350.33 Depth: 1035

| PUMP Data Total Gals/Min = 568 | | | | MUD DATA | | Previous | Current | MOTOR DATA | | CURRENT |
|--------------------------------|-------|-------|------|----------|---------|----------|---------|------------|-------|---------|
| Pump | 1 | 2 | 0 | Mud Type | obm | 2 | BHA # | 3 | BHA # | |
| Liner (in) | 5 1/2 | 5 1/2 | | Sample | IN | | | | | |
| % | 97.5 | 97.5 | | Time | 3:00 | | | | | |
| Vol (gps) | 3.51 | 3.51 | 0.00 | Wt. | 9 | | | | | |
| SPM | 81 | 81 | | VIS | 49 | | | | | |
| DRILLING PARAMETERS | | | | PV | 12 | | | | | |
| ST. WT. ROT 1000's: | 180 | | | YP | 10 | | | | | |
| P/U WT. 1000's: | 280 | | | WL | N/A | | | | | |
| S/O WT. 1000's: | 100 | | | CL | 66000 | | | | | |
| WOB 1000's: | 30 | | | Gels | 9_11_12 | | | | | |
| ROTARY RPM: | 65 | | | % Oil | 74.6 | | | | | |
| MOTOR RPM: | 168 | | | % Solids | 6.6 | | | | | |
| TOTAL Bit RPM | 233 | | | % Sand | N/A | | | | | |
| ROT TQ. OFF BTM: | 7800 | | | PH | N/A | | | | | |
| ROT TQ. ON BTM: | 22000 | | | Temp F | n/a | | | | | |
| Current Mag Dec: | | | | MWD F | 143 | | | | | |
| Pulse Height | | | | GPM | 600 | | | | | |
| "G" Totals | | | | PSI | 3550 | | | | | |

| BIT DATA | | | | | | | | | | | | | | DULL CONDITION | | | | | |
|----------|-----------|-------|--------|------------|----------------|----------|--------------|-----------|-----------|----|----|----|-----|----------------|-------|----|------|--|--|
| Bit No. | Size (in) | Mfg. | Type | Serial No. | Nozzles or TFA | Depth In | Cum. Footage | Cum. Hrs. | Depth Out | IR | OR | DC | LOC | B/S | G/16" | OC | RPLD | | |
| 2 | 8 3/4 | Baker | VG 20M | 5258026 | 3 x 18's | 6181 | 701 | 8.8 | 6882 | 0 | 0 | CT | N | E | 0 | CT | TD | | |
| 3 | 8.5 | Baker | T606X | 7151763 | 6X18's | 6882 | | | | | | | | | | | | | |

| From | To | Hrs. | Start Depth | End Depth | CL | Code | Time Breakdown | | Current Operations | | | |
|-------|-------|------|-------------|-----------|----|------|------------------------|--|--------------------------------|--------|---------------|--------|
| 6:15 | 6:25 | 0:10 | | | | 10 | C/S 11715 | | | | | |
| 6:25 | 6:30 | 0:05 | 11766 | 11796 | 30 | 2.B | SLIDE 120 L | | DRILL LATERAL | | | |
| 6:30 | 6:40 | 0:10 | 11796 | 11861 | 65 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 6:40 | 6:45 | 0:05 | | | | 10 | C/S 11810 | | | | | |
| 6:45 | 6:55 | 0:10 | 11861 | 11956 | 95 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 6:55 | 7:00 | 0:05 | | | | 10 | C/S 11905 | | | | | |
| 7:00 | 7:05 | 0:05 | 11956 | 11981 | 25 | 2.B | SLIDE 110 L | | | | | |
| 7:05 | 7:15 | 0:10 | 11981 | 12051 | 70 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 7:15 | 7:20 | 0:05 | | | | 10 | C/S 12000 | | | | | |
| 7:20 | 7:30 | 0:10 | 12051 | 12146 | 95 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 7:30 | 7:40 | 0:10 | | | | 10 | C/S 12095 | | Estimated Daily Charges | | | |
| 7:40 | 7:45 | 0:05 | 12146 | 12161 | 15 | 2.B | SLIDE 110 R | | Description | | Cost | |
| 7:45 | 8:00 | 0:15 | 12161 | 12240 | 79 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 8:00 | 8:05 | 0:05 | | | | 10 | C/S 12189 | | | | | |
| 8:05 | 8:20 | 0:15 | 12240 | 12335 | 95 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 8:20 | 8:25 | 0:05 | | | | 10 | C/S 12284 | | | | | |
| 8:25 | 8:30 | 0:05 | 12335 | 12347 | 12 | 2.B | SLIDE 135 R | | | | | |
| 8:30 | 8:40 | 0:10 | 12347 | 12430 | 83 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 8:40 | 8:50 | 0:10 | | | | 10 | C/S 12379 | | | | | |
| 8:50 | 9:10 | 0:20 | 12430 | 12524 | 94 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 9:10 | 9:20 | 0:10 | | | | 10 | C/S 12473 | | | | | |
| 9:20 | 9:30 | 0:10 | 12524 | 12619 | 95 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 9:30 | 9:40 | 0:10 | | | | 10 | C/S 12568 | | Estimated Daily Cost (USD) | | \$ - | |
| 9:40 | 9:55 | 0:15 | 12619 | 12644 | 25 | 2.B | SLIDE 140 L | | Accumulated Cost (USD) | | \$ - | |
| 9:55 | 10:10 | 0:15 | 12644 | 12714 | 70 | 2.A | Rotate Wob 30 Diff 750 | | Company Representative (s) | | | |
| 10:10 | 10:15 | 0:05 | | | | 10 | C/S 12663 | | Joe Wilkerson | | Jacob | |
| 10:15 | 10:30 | 0:15 | 12714 | 12809 | 95 | 2.A | Rotate Wob 30 Diff 750 | | Westom White | | | |
| 10:30 | 10:40 | 0:10 | | | | 10 | C/S 12758 | | Directional Representative (s) | | | |
| 10:40 | 10:55 | 0:15 | 12809 | 12829 | 20 | 2.B | SLIDE 120 R | | Paul Mizell | | Robert Harper | |
| 10:55 | 11:10 | 0:15 | 12829 | 12904 | 75 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 11:10 | 11:15 | 0:05 | | | | 10 | C/S 12853 | | MWD Representative (s) | | | |
| 11:15 | 11:25 | 0:10 | 12904 | 12924 | 20 | 2.B | SLIDE 80 R | | Mike Johns | | | |
| 11:25 | 11:35 | 0:10 | 12924 | 12999 | 75 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 11:35 | 11:45 | 0:10 | | | | 10 | C/S 12947 | | 24 Hour Breakdown | | | |
| 11:45 | 12:00 | 0:15 | 12999 | 13093 | 94 | 2.A | Rotate Wob 30 Diff 750 | | Ftg Rot. | 1275 | Time Rot. | 3.20 |
| 12:00 | 12:10 | 0:10 | | | | 10 | C/S 13042 | | Ftg Orient | 147 | Time Orient | 1.00 |
| 12:10 | 12:20 | 0:10 | 13093 | 13188 | 95 | 2.A | Rotate Wob 30 Diff 750 | | Rot. ROP | 398.44 | Orient ROP | 147.00 |

Report #: 5B
Date: 13-Jun-16



NABORS

Job #: 9665

DAILY DRILLING REPORT

Oil Company: EP Energy
Field: University Lands
County, State: CROCKETT, TX
AFE or PO #: 163634

Customer: EP Energy
Well Name & No.: University Salt Draw 4101 GH
Block or Section: Barnhart
Rig Contractor & No.: Nabors 888

00:00 Depth: 13188 Footage Today: 1420 Drlg Hrs Today: 5.80 ROP Today: 244.83 Last Casing Set: 9 5/8"
24:00 Depth: 14608 Current Run Ftg: 7726 Run Drlg Hrs: 23.80 Run Avg. ROP: 324.62 Depth: 1035

| PUMP Data Total Gals/Min = 540 | | | | MUD DATA | | Previous | Current | MOTOR DATA | | CURRENT |
|--------------------------------|-------|-------|------|----------|---------|----------|---------|------------|-------|---------|
| Pump | 1 | 2 | 0 | Mud Type | obm | 2 | BHA # | 3 | BHA # | |
| Liner (in) | 5 1/2 | 5 1/2 | | Sample | IN | | | | | |
| % | 97.5 | 97.5 | | Time | 3:00 | | | | | |
| Vol (gps) | 3.51 | 3.51 | 0.00 | Wt. | 9 | | | | | |
| SPM | 77 | 77 | | VIS | 49 | | | | | |
| DRILLING PARAMETERS | | | | PV | 12 | | | | | |
| ST. WT. ROT 1000's: | 180 | | | YP | 10 | | | | | |
| P/U WT. 1000's: | 280 | | | WL | N/A | | | | | |
| S/O WT. 1000's: | 100 | | | CL | 66000 | | | | | |
| WOB 1000's: | 30 | | | Gels | 9_11_12 | | | | | |
| ROTARY RPM: | 65 | | | % Oil | 74.6 | | | | | |
| MOTOR RPM: | 168 | | | % Solids | 6.6 | | | | | |
| TOTAL Bit RPM | 233 | | | % Sand | N/A | | | | | |
| ROT TQ. OFF BTM: | 7800 | | | PH | N/A | | | | | |
| ROT TQ. ON BTM: | 22000 | | | Temp F | n/a | | | | | |
| Current Mag Dec: | | | | MWD F | 143 | | | | | |
| Pulse Height | | | | GPM | 600 | | | | | |
| "G" Totals | | | | PSI | 3550 | | | | | |

| BIT DATA | | | | | | | | | | | | | | DULL CONDITION | | | | | |
|----------|-----------|-------|--------|------------|----------------|----------|--------------|-----------|-----------|----|----|----|-----|----------------|-------|----|------|--|--|
| Bit No. | Size (in) | Mfg. | Type | Serial No. | Nozzles or TFA | Depth In | Cum. Footage | Cum. Hrs. | Depth Out | IR | OR | DC | LOC | B/S | G/16" | OC | RPLD | | |
| 2 | 8 3/4 | Baker | VG 20M | 5258026 | 3 x 18's | 6181 | 701 | 8.8 | 6882 | 0 | 0 | CT | N | E | 0 | CT | TD | | |
| 3 | 8.5 | Baker | T606X | 7151763 | 6X18's | 6882 | | | | | | | | | | | | | |

| From | To | Hrs. | Start Depth | End Depth | CL | Code | Time Breakdown | | Current Operations | | | |
|-------|-------|------|-------------|-----------|----|------|------------------------|--|---|--------|---------------|-------|
| 12:20 | 12:30 | 0:10 | | | | 10 | C/S 13137 | | | | | |
| 12:30 | 12:40 | 0:10 | 13188 | 13213 | 25 | 2.B | SLIDE 90 R | | DRILL LATERAL | | | |
| 12:40 | 12:50 | 0:10 | 13213 | 13282 | 69 | 2.A | Rotate Wob 30 Diff 750 | | @ MD 13188 New Target 90.35 / V-Sec 9500 / TVD 6540 | | | |
| 12:50 | 13:00 | 0:10 | | | | 10 | C/S 13231 | | | | | |
| 13:00 | 13:10 | 0:10 | 13282 | 13377 | 95 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 13:10 | 13:20 | 0:10 | | | | 10 | C/S 13326 | | | | | |
| 13:20 | 13:40 | 0:20 | 13377 | 13472 | 95 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 13:40 | 13:50 | 0:10 | | | | 10 | C/S 133421 | | | | | |
| 13:50 | 14:10 | 0:20 | 13472 | 13567 | 95 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 14:10 | 14:20 | 0:10 | | | | 10 | C/S 13516 | | | | | |
| 14:20 | 14:45 | 0:25 | 13567 | 13587 | 20 | 2.B | SLIDE 60 R | | Estimated Daily Charges | | | |
| 14:45 | 15:00 | 0:15 | 13587 | 13661 | 74 | 2.A | Rotate Wob 30 Diff 750 | | Description | | Cost | |
| 15:00 | 15:10 | 0:10 | | | | 10 | C/S 13610 | | | | | |
| 15:10 | 15:30 | 0:20 | 13661 | 13681 | 20 | 2.B | SLIDE 0 HS | | | | | |
| 15:30 | 15:40 | 0:10 | 13681 | 13756 | 75 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 15:40 | 15:50 | 0:10 | | | | 10 | C/S 13705 | | | | | |
| 15:50 | 16:10 | 0:20 | 13756 | 13851 | 95 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 16:10 | 16:20 | 0:10 | | | | 10 | C/S 13800 | | | | | |
| 16:20 | 16:30 | 0:10 | 13851 | 13866 | 15 | 2.B | SLIDE 110 R | | | | | |
| 16:30 | 16:40 | 0:10 | 13866 | 13946 | 80 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 16:40 | 16:50 | 0:10 | | | | 10 | C/S 13895 | | | | | |
| 16:50 | 17:00 | 0:10 | 13946 | 14040 | 94 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 17:00 | 17:15 | 0:15 | | | | 10 | C/S 13898 | | Estimated Daily Cost (USD) | | \$ - | |
| 17:15 | 17:30 | 0:15 | 14040 | 14060 | 20 | 2.B | SLIDE 120 R | | Accumulated Cost (USD) | | \$ - | |
| 17:30 | 17:45 | 0:15 | 14060 | 14135 | 75 | 2.A | Rotate Wob 30 Diff 750 | | Company Representative (s) | | | |
| 17:45 | 17:55 | 0:10 | | | | 10 | C/S 13898 | | Joe Wilkerson | | Jacob | |
| 17:55 | 18:25 | 0:30 | 14135 | 14165 | 30 | 2.B | SLIDE 90 R | | Westom White | | | |
| 18:25 | 18:40 | 0:15 | 14165 | 14230 | 65 | 2.A | Rotate Wob 30 Diff 750 | | Directional Representative (s) | | | |
| 18:40 | 18:50 | 0:10 | | | | 10 | C/S 14179 | | Paul Mizell | | Robert Harper | |
| 18:50 | 19:05 | 0:15 | 14230 | 14255 | 25 | 2.B | SLIDE 90 R | | | | | |
| 19:05 | 19:25 | 0:20 | 14255 | 14325 | 70 | 2.A | Rotate Wob 30 Diff 750 | | MWD Representative (s) | | | |
| 19:25 | 19:35 | 0:10 | | | | 10 | C/S 14274 | | Mike Johns | | | |
| 19:35 | 19:45 | 0:10 | 14325 | 14420 | 95 | 2.A | Rotate Wob 30 Diff 750 | | | | | |
| 19:45 | 19:55 | 0:10 | | | | 10 | C/S 14369 | | 24 Hour Breakdown | | | |
| 19:55 | 20:10 | 0:15 | 14420 | 14513 | 93 | 2.A | Rotate Wob 30 Diff 750 | | Ftg Rot. | 1265 | Time Rot. | 3.70 |
| 20:10 | 20:20 | 0:10 | | | | 10 | C/S 14462 | | Ftg Orient | 155 | Time Orient | 2.10 |
| 20:20 | 20:40 | 0:20 | 14513 | 14608 | 95 | 2.A | Rotate Wob 30 Diff 750 | | Rot. ROP | 341.89 | Orient ROP | 73.81 |

Date: 13-Jun-16



NABORS

Job # 9665

| | |
|----------------|-------------------------|
| Oil Company: | EP Energy |
| Field: | University Lands |
| County, State: | CROCKETT, TX |
| AFE or PO #: | 163634 |

| | |
|-----------------------|------------------------------|
| Customer: | EP Energy |
| Well Name & No.: | University Salt Draw 4101 GH |
| Block or Section: | Barnhart |
| Rig Contractor & No.: | Nabors 888 |

| | |
|--------------|-------|
| 00:00 Depth: | 14608 |
| 24:00 Depth: | 15177 |

| | |
|------------------|------|
| Footage Today: | 569 |
| Current Run Ftg: | 8295 |

| | |
|-----------------|-------|
| Drlg Hrs Today: | 2.20 |
| Run Drlg Hrs: | 26.00 |

| | |
|---------------|--------|
| ROP Today: | 258.64 |
| Run Avg. ROP: | 319.04 |

Last Casing Set: 9 5/8"
Depth: 1035

| PUMP Data Total Gals/Min = | | | | | | 540 | | MUD DATA | | Previous | | Current | | | |
|----------------------------|-------|-------|------|----------|---------|-------------|-------|-------------|-------|--------------------|--|----------|--|--|--|
| | | | | | | 2 | BHA # | 3 | BHA # | MOTOR DATA | | CURRENT | | | |
| Pump | 1 | 2 | 0 | Mud Type | obm | BIT | | BIT | | Run No. | | 3 | | | |
| Liner (in) | 5 1/2 | 5 1/2 | | Sample | IN | MOTOR | | MOTOR | | Size (in.) | | 6 3/4 | | | |
| % | 97.5 | 97.5 | | Time | 3:00 | Pony Collar | | Pony Collar | | Type | | 7/8 5 | | | |
| Vol (gps) | 3.51 | 3.51 | 0.00 | Wt. | 9 | EM Tool | | EM Tool | | Serial No. | | RY675081 | | | |
| SPM | 77 | 77 | | VIS | 49 | FLEX | | NMDC | | Tool Deflection | | 1.75 FBH | | | |
| DRILLING PARAMETERS | | | | PV | 12 | | | | | Avg. Diff. Press. | | | | | |
| ST. WT. ROT 1000's: | | 180 | | YP | 10 | | | | | Daily Drill Hrs. | | 2.20 | | | |
| P/U WT. 1000's: | | 280 | | WL | N/A | | | | | Daily Circ. Hrs. | | 1.20 | | | |
| S/O WT. 1000's: | | 100 | | CL | 66000 | | | | | Daily Total Hrs: | | 3.40 | | | |
| WOB 1000's: | | 30 | | Gels | 9 11 12 | | | | | Acc. Drill Hrs. | | 26.00 | | | |
| ROTARY RPM: | | 65 | | % Oil | 74.6 | | | | | Acc. Circ. Hrs. | | 12.10 | | | |
| MOTOR RPM: | | 168 | | % Solids | 6.6 | | | | | Depth In | | 6882 | | | |
| TOTAL Bit RPM | | 233 | | % Sand | N/A | | | | | Depth Out | | | | | |
| ROT TQ. OFF BTM: | | 7800 | | PH | N/A | | | | | LIH Hrs. | | 3:19 | | | |
| ROT TQ. ON BTM: | | 22000 | | Temp F | n/a | | | | | Acc. LIH Hrs. | | 43.70 | | | |
| Current Mag Dec: | | | | MWD F | 143 | BHA WT | | | | Acc. Hrs Cir/Drilg | | 38.10 | | | |
| Pulse Hight | | | | GPM | 600 | BELOW JARS | | | | Total K Revs | | 363.48 | | | |
| "G" Totals | | | | PSI | 3550 | | | | | Jar # HRS | | | | | |

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Report #: 6

Date: 14-Jun-16



NABORS

Job #: 9665

DAILY DRILLING REPORT

Oil Company: **EP Energy**
 Field: **University Lands**
 County, State: **CROCKETT, TX**
 AFE or PO #: **163634**

Customer: **EP Energy**
 Well Name & No.: **University Salt Draw 4101 GH**
 Block or Section: **Barnhart**
 Rig Contractor & No.: **Nabors 888**

00:00 Depth: 15177
 24:00 Depth: 16690

Footage Today: 1513
 Current Run Ftg: 9808

Drig Hrs Today: 8.50
 Run Drig Hrs: 34.50

ROP Today: 178.00
 Run Avg. ROP: 284.29

Last Casing Set: 9 5/8"
 Depth: 1035

| PUMP Data Total Gals/Min = 525 | | | | MUD DATA | | Previous | Current | MOTOR DATA | CURRENT |
|--------------------------------|-------|-------|------|----------|---------|----------|---------|------------|---------|
| Pump | 1 | 2 | 0 | Mud Type | obm | 2 | BHA # | 3 | BHA # |
| Liner (in) | 5 1/2 | 5 1/2 | | Sample | IN | | | | |
| % | 100 | 100 | | Time | 3:00 | | | | |
| Vol (gals) | 3.60 | 3.60 | 0.00 | Wt. | 9 | | | | |
| SPM | 73 | 73 | | VIS | 49 | | | | |
| DRILLING PARAMETERS | | | | PV | 12 | | | | |
| ST. WT. ROT 1000's: | 170 | | | YP | 10 | | | | |
| P/U WT. 1000's: | 305 | | | WL | N/A | | | | |
| S/O WT. 1000's: | 100 | | | CL | 66000 | | | | |
| WOB 1000's: | 30 | | | Gels | 9_11_12 | | | | |
| ROTARY RPM: | 60 | | | % Oil | 74.6 | | | | |
| MOTOR RPM: | 110 | | | % Solids | 6.6 | | | | |
| TOTAL Bit RPM | 170 | | | % Sand | N/A | | | | |
| ROT TQ. OFF BTM: | 16000 | | | PH | N/A | | | | |
| ROT TQ. ON BTM: | 24000 | | | Temp F | n/a | | | | |
| Current Mag Dec: | | | | MWD F | 143 | | | | |
| Pulse Height | | | | GPM | 600 | | | | |
| "G" Totals | | | | PSI | 3550 | | | | |

| BIT DATA | | | | | | | | | | | | | | DULL CONDITION | | | | | |
|----------|-----------|-------|--------|------------|----------------|----------|--------------|-----------|-----------|----|----|----|-----|----------------|-------|----|------|--|--|
| Bit No. | Size (in) | Mfg. | Type | Serial No. | Nozzles or TFA | Depth In | Cum. Footage | Cum. Hrs. | Depth Out | IR | OR | DC | LOC | B/S | G/16" | OC | RPLD | | |
| 2 | 8 3/4 | Baker | VG 20M | 5258026 | 3 x 18's | 6181 | 701 | 8.8 | 6882 | 0 | 0 | CT | N | E | 0 | CT | TD | | |
| 3 | 8.5 | Baker | T606X | 7151763 | 6X18's | 6882 | | | | | | | | | | | | | |

| From | To | Hrs. | Start Depth | End Depth | CL | Code | Time Breakdown | Current Operations | | | |
|-------|-------|------|-------------|-----------|----|------|---|--|--------|-------------|-------|
| 0:00 | 0:15 | 0:15 | 15177 | 15271 | 94 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 0:15 | 0:25 | 0:10 | | | | 10 | C/S 15220 | DRILL LATERAL | | | |
| 0:25 | 0:40 | 0:15 | 15271 | 15366 | 95 | 2.A | Rotate Wob 30 Diff 750 | @ MD 14420 New Target 90.30 / V-Sec 10500 / TVD 6536 | | | |
| 0:40 | 0:50 | 0:10 | | | | 10 | C/S 15315 | Down to 1 pump @ 23:30 | | | |
| 0:50 | 1:00 | 0:10 | 15366 | 15461 | 95 | 2.A | Rotate Wob 30 Diff 750 | ATTEMPTING TO SLIDE ON ONE PUMP @ 1:45 | | | |
| 1:00 | 1:10 | 0:10 | | | | 10 | C/S 15410 | Work pipe to try and clean hole. | | | |
| 1:10 | 1:35 | 0:25 | 15461 | 15555 | 94 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 1:35 | 1:45 | 0:10 | | | | 10 | C/S 15504 | | | | |
| 1:45 | 2:30 | 0:45 | 15555 | 15575 | 20 | 2.B | SLIDE 110 R / one pump | | | | |
| 2:30 | 3:00 | 0:30 | 15575 | 15650 | 75 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 3:00 | 3:10 | 0:10 | | | | 10 | C/S 15599 | Estimated Daily Charges | | | |
| 3:10 | 3:35 | 0:25 | 15650 | 15745 | 95 | 2.A | Rotate Wob 30 Diff 750 | Description | | Cost | |
| 3:35 | 3:45 | 0:10 | | | | 10 | C/S 15694 | | | | |
| 3:45 | 4:05 | 0:20 | 15745 | 15840 | 95 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 4:05 | 4:15 | 0:10 | | | | 10 | C/S 15789 | | | | |
| 4:15 | 4:45 | 0:30 | 15840 | 15845 | 5 | 2.B | Attempt to slide. LH torque to high and turning of Rock It system | | | | |
| 4:45 | 5:00 | 0:15 | 15845 | 15855 | 10 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 5:00 | 7:00 | 2:00 | | | | 5.A | Work pipe to clean hole | | | | |
| 7:00 | 7:50 | 0:50 | 15855 | 15881 | 26 | 2.B | SLIDE 110 R / one pump | | | | |
| 7:50 | 8:15 | 0:25 | 15881 | 15934 | 53 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 8:15 | 8:20 | 0:05 | | | | 10 | C/S 15883 | | | | |
| 8:20 | 8:55 | 0:35 | 15934 | 16028 | 94 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 8:55 | 9:00 | 0:05 | | | | 10 | C/S 15977 | Estimated Daily Cost (USD) | | \$ - | |
| 9:00 | 9:37 | 0:37 | 16028 | 16123 | 95 | 2.A | Rotate Wob 30 Diff 750 | Accumulated Cost (USD) | | \$ - | |
| 9:37 | 9:42 | 0:05 | | | | 10 | C/S 16072 | Company Representative (s) | | | |
| 9:42 | 10:10 | 0:28 | 16123 | 16218 | 95 | 2.A | Rotate Wob 30 Diff 750 | Joe Wilkerson | | Jacob | |
| 10:10 | 10:15 | 0:05 | | | | 10 | C/S 16167 | Westom White | | | |
| 10:15 | 10:40 | 0:25 | 16218 | 16312 | 94 | 2.A | Rotate Wob 30 Diff 750 | Directional Representative (s) | | | |
| 10:40 | 10:45 | 0:05 | | | | 10 | C/S 16261 | Paul Mizell | | Jason Yow | |
| 10:45 | 11:02 | 0:17 | 16312 | 16407 | 95 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 11:02 | 11:07 | 0:05 | | | | 10 | C/S 16356 | MWD Representative (s) | | | |
| 11:07 | 11:20 | 0:13 | 16407 | 16415 | 8 | 2.B | SLIDE 150R | Mike Johns | | | |
| 11:20 | 11:40 | 0:20 | 16415 | 16501 | 86 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 11:40 | 11:45 | 0:05 | | | | 10 | C/S 16450 | 24 Hour Breakdown | | | |
| 11:45 | 12:00 | 0:15 | 16501 | 16596 | 95 | 2.A | Rotate Wob 30 Diff 750 | Ftg Rot. | 1454 | Time Rot. | 6.20 |
| 12:00 | 12:05 | 0:05 | | | | 10 | C/S 16545 | Ftg Orient | 59 | Time Orient | 2.30 |
| 12:05 | 12:19 | 0:14 | 16596 | 16690 | 94 | 2.A | Rotate Wob 30 Diff 750 | Rot. ROP | 234.52 | Orient ROP | 25.65 |



NABORS

Job # 9665

DAILY DRILLING REPORT

| | |
|----------------|-------------------------|
| Oil Company: | EP Energy |
| Field: | University Lands |
| County, State: | CROCKETT, TX |
| AFE or PO #: | 163634 |

| | |
|-----------------------|------------------------------|
| Customer: | EP Energy |
| Well Name & No.: | University Salt Draw 4101 GH |
| Block or Section: | Barnhart |
| Rig Contractor & No.: | Nabors 888 |

| | | | | | | | | | |
|--------------|-------|------------------|-------|-----------------|-------|---------------|--------|------------------|--------|
| 00:00 Depth: | 16690 | Footage Today: | 605 | Drig Hrs Today: | 2.30 | ROP Today: | 263.04 | Last Casing Set: | 9 5/8" |
| 24:00 Depth: | 17295 | Current Run Ftg: | 10413 | Run Drig Hrs: | 36.80 | Run Avg. ROP: | 282.96 | Depth: | 1035 |

| | | | | | | Previous | | Current | | | |
|----------------------------|-------|-------|------|----------|---------|-------------|-------|-------------|-------|--------------------|----------|
| PUMP Data Total Gals/Min = | | | 525 | MUD DATA | | 2 | BHA # | 3 | BHA # | MOTOR DATA | CURRENT |
| Pump | 1 | 2 | 0 | Mud Type | obm | BIT | | BIT | | Run No. | 3 |
| Liner (in) | 5 1/2 | 5 1/2 | | Sample | IN | MOTOR | | MOTOR | | Size (in.) | 6 3/4 |
| % | 100 | 100 | | Time | 3:00 | Pony Collar | | Pony Collar | | Type | 7/8 5 |
| Vol (gps) | 3.60 | 3.60 | 0.00 | Wt. | 9 | EM Tool | | EM Tool | | Serial No. | RY675081 |
| SPM | 73 | 73 | | VIS | 49 | FLEX | | NMDC | | Tool Deflection | 1.75 FBH |
| DRILLING PARAMETERS | | | | PV | 12 | | | | | Avg. Diff. Press. | |
| ST. WT. ROT 1000's: | | 170 | | YP | 10 | | | | | Daily Drill Hrs. | 2.30 |
| P/U WT. 1000's: | | 305 | | WL | N/A | | | | | Daily Circ. Hrs. | 7.60 |
| S/O WT. 1000's: | | 100 | | CL | 66000 | | | | | Daily Total Hrs: | 9.90 |
| WOB 1000's: | | 30 | | Gels | 9 11 12 | | | | | Acc. Drill Hrs. | 36.80 |
| ROTARY RPM: | | 60 | | % Oil | 74.6 | | | | | Acc. Circ. Hrs. | 23.50 |
| MOTOR RPM: | | 110 | | % Solids | 6.6 | | | | | Depth In | 6882 |
| TOTAL Bit RPM | | 170 | | % Sand | N/A | | | | | Depth Out | 17295 |
| ROT TQ. OFF BTM: | | 16000 | | PH | N/A | | | | | LIH Hrs. | 23:59 |
| ROT TQ. ON BTM: | | 24000 | | Temp F | n/a | | | | | Acc. LIH Hrs. | 80.00 |
| Current Mag Dec: | | | | MWD F | 143 | BHA WT | | | | Acc. Hrs Cir/Drilg | 60.30 |
| Pulse Hight | | | | GPM | 600 | BELOW JARS | | | | Total K Revs | 375.36 |
| "G" Totals | | | | PSI | 3550 | | | | | Jar # HRS | |

| BIT DATA | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|--------|------------|----------------|----------|--------------|-----------|-----------|----------------|----|----|-----|-----|-------|----|------|
| Bit No. | Size (in) | Mfg. | Type | Serial No. | Nozzles or TFA | Depth In | Cum. Footage | Cum. Hrs. | Depth Out | DULL CONDITION | | | | | | | |
| | | | | | | | | | | IR | OR | DC | LOC | B/S | G/16" | OC | RPLD |
| 2 | 8 3/4 | Baker | VG 20M | 5258026 | 3 x 18's | 6181 | 701 | 8.8 | 6882 | 0 | 0 | CT | N | E | 0 | CT | TD |
| 3 | 8.5 | Baker | T606X | 7151763 | 6X18's | 6882 | 10413 | | 17295 | | | | | | | | |

| From | To | Hrs. | Start Depth | End Depth | CL | Code | Time Breakdown | Current Operations | | | |
|-------|-------|------|-------------|-----------|----|------|------------------------------|--|--------|-------------|------|
| 12:19 | 12:24 | 0:05 | | | | 10 | C/S 16639 | | | | |
| 12:24 | 12:45 | 0:21 | 16690 | 16784 | 94 | 2.A | Rotate Wob 30 Diff 750 | DRILL LATERAL | | | |
| 12:45 | 12:50 | 0:05 | | | | 10 | C/S 16733 | @ MD 14420 New Target 90.30 / V-Sec 10500 / TVD 6536 | | | |
| 12:50 | 13:12 | 0:22 | 16784 | 16879 | 95 | 2.A | Rotate Wob 30 Diff 750 | Down to 1 pump @ 23:30 | | | |
| 13:12 | 13:17 | 0:05 | | | | 10 | C/S 16828 | ATTEMPTING TO SLIDE ON ONE PUMP @ 1:45 | | | |
| 13:17 | 13:35 | 0:18 | 16879 | 16973 | 94 | 2.A | Rotate Wob 30 Diff 750 | Work pipe to try and clean hole. | | | |
| 13:35 | 13:40 | 0:05 | | | | 10 | C/S 16922 | When pulling out of hole pipe got hung up. | | | |
| 13:40 | 14:06 | 0:26 | 16973 | 17068 | 95 | 2.A | Rotate Wob 30 Diff 750 | Pipe came free and began circulating and working | | | |
| 14:06 | 14:11 | 0:05 | | | | 10 | C/S 17017 | pipe to clean hole. | | | |
| 14:11 | 14:33 | 0:22 | 17068 | 17162 | 94 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 14:33 | 14:38 | 0:05 | | | | 10 | C/S 17111 | Estimated Daily Charges | | | |
| 14:38 | 14:57 | 0:19 | 17162 | 17257 | 95 | 2.A | Rotate Wob 30 Diff 750 | Description | | Cost | |
| 14:57 | 15:02 | 0:05 | | | | 10 | C/S | | | | |
| 15:02 | 15:12 | 0:10 | 17257 | 17295 | 38 | 2.A | Rotate Wob 30 Diff 750 | | | | |
| 15:12 | 15:14 | 0:02 | | | | 10 | SVY@17244 | | | | |
| 15:14 | 22:00 | 6:46 | | | | 5.A | Circulate and Condition Hole | | | | |
| 22:00 | 23:45 | 1:45 | | | | 6.A | POOH | | | | |
| 23:45 | 23:59 | 0:14 | | | | 5.A | Circulate and Work Pipe | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | Estimated Daily Cost (USD) | | \$ - | |
| | | | | | | | | Accumulated Cost (USD) | | \$ - | |
| | | | | | | | | Company Representative (s) | | | |
| | | | | | | | | Joe Wilkerson | | Jacob | |
| | | | | | | | | Westom White | | | |
| | | | | | | | | Directional Representative (s) | | | |
| | | | | | | | | Paul Mizell | | Jason Yow | |
| | | | | | | | | MWD Representative (s) | | | |
| | | | | | | | | Mike Johns | | | |
| | | | | | | | | 24 Hour Breakdown | | | |
| | | | | | | | | Ftg Rot. | 605 | Time Rot. | 2.30 |
| | | | | | | | | Ftg Orient | 0 | Time Orient | 0.00 |
| | | | | | | | | Rot ROP | 263.04 | Orient ROP | - |

Date: 15-Jun-16



NABORS

Job # 9665

| | |
|----------------|-------------------------|
| Oil Company: | EP Energy |
| Field: | University Lands |
| County, State: | CROCKETT, TX |
| AFE or PO #: | 163634 |

| | |
|-----------------------|------------------------------|
| Customer: | EP Energy |
| Well Name & No.: | University Salt Draw 4101 GH |
| Block or Section: | Barnhart |
| Rig Contractor & No.: | Nabors 888 |

| | | | | | | | | | |
|--------------|---|------------------|-------|-----------------|-------|---------------|---------|------------------|--------|
| 00:00 Depth: | 0 | Footage Today: | 0 | Drig Hrs Today: | 0.00 | ROP Today: | - | Last Casing Set: | 9 5/8" |
| 24:00 Depth: | 0 | Current Run Ftg: | -6882 | Run Drig Hrs: | 36.80 | Run Avg. ROP: | -187.01 | Depth: | 1035 |

| PUMP Data Total Gals/Min = | | | | | | 525 | | MUD DATA | | Previous | | Current | | | | | |
|----------------------------|-------|-------|------|----------|------|-------------|--|-------------|--|-----------------|-------|----------|-------|--------------------|--|---------|--|
| | | | | | | | | | | 2 | BHA # | 3 | BHA # | MOTOR DATA | | CURRENT | |
| Pump | 1 | 2 | 0 | Mud Type | obm | BIT | | BIT | | Run No. | | 3 | | | | | |
| Liner (in) | 5 1/2 | 5 1/2 | | Sample | IN | MOTOR | | MOTOR | | Size (in.) | | 6 3/4 | | | | | |
| % | 100 | 100 | | Time | 3:00 | Pony Collar | | Pony Collar | | Type | | 7/8 5 | | | | | |
| Vol (gps) | 3.60 | 3.60 | 0.00 | Wt. | 9 | EM Tool | | EM Tool | | Serial No. | | RY675081 | | | | | |
| SPM | 73 | 73 | | VIS | 49 | FLEX | | NMDC | | Tool Deflection | | 1.75 FBH | | | | | |
| DRILLING PARAMETERS | | | | | | PV | | 12 | | | | | | Avg. Diff. Press. | | | |
| ST. WT. ROT 1000's: | | 170 | | YP | | 10 | | | | | | | | Daily Drill Hrs. | | 0.00 | |
| P/U WT. 1000's: | | 305 | | WL | | N/A | | | | | | | | Daily Circ. Hrs. | | 3.30 | |
| S/O WT. 1000's: | | 100 | | CL | | 66000 | | | | | | | | Daily Total Hrs: | | 3.30 | |
| WOB 1000's: | | 30 | | Gels | | 9 11 12 | | | | | | | | Acc. Drill Hrs. | | 36.80 | |
| ROTARY RPM: | | 60 | | % Oil | | 74.6 | | | | | | | | Acc. Circ. Hrs. | | 26.80 | |
| MOTOR RPM: | | 110 | | % Solids | | 6.6 | | | | | | | | Depth In | | 6882 | |
| TOTAL Bit RPM | | 170 | | % Sand | | N/A | | | | | | | | Depth Out | | 17295 | |
| ROT TQ. OFF BTM: | | 16000 | | PH | | N/A | | | | | | | | LIH Hrs. | | 23:59 | |
| ROT TQ. ON BTM: | | 24000 | | Temp F | | n/a | | | | | | | | Acc. LIH Hrs. | | 103.98 | |
| Current Mag Dec: | | | | MWD F | | 143 | | BHA WT | | | | | | Acc. Hrs Cir/Drilg | | 63.60 | |
| Pulse Hight | | | | GPM | | 600 | | BELOW JARS | | | | | | Total K Revs | | 375.36 | |
| "G" Totals | | | | PSI | | 3550 | | | | | | | | Jar # HRS | | | |

| BIT DATA | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|--------|------------|----------------|----------|--------------|-----------|-----------|----------------|----|----|-----|-----|-------|----|------|
| Bit No. | Size (in) | Mfg. | Type | Serial No. | Nozzles or TFA | Depth In | Cum. Footage | Cum. Hrs. | Depth Out | DULL CONDITION | | | | | | | |
| | | | | | | | | | | IR | OR | DC | LOC | B/S | G/16" | QC | RPLD |
| 2 | 8 3/4 | Baker | VG 20M | 5258026 | 3 x 18's | 6181 | 701 | 8.8 | 6882 | 0 | 0 | CT | N | E | 0 | CT | TD |
| 3 | 8.5 | Baker | T606X | 7151763 | 6X18's | 6882 | 10413 | | 17295 | | | | | | | | |

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NABORS

Motor Run Report #1

| General Information: | | In the Event of an Incident: | |
|---------------------------------|------------------------------|------------------------------|----------|
| Job #: | 9665 | Date of Incident: | |
| Customer: | EP Energy | Date Notified Office: | |
| Location: | CROCKETT, TX | Person Notified: | |
| Lease: | Barnhart | | |
| Well Name & Number: | University Salt Draw 4101 GH | | |
| Rig Name & Number: | Nabors 888 | Incident Comments: | |
| Directional Driller ('s): | Harper/Mizell | | |
| Motor Information: | | | |
| Motor Serial #: | RY675093 | | |
| Motor Size (OD): | 6 3/4 | | |
| Motor Company: | Ryan | | |
| Motor Stabilizer Size: | N/A | | |
| Degree Bent Housing: | 1.75 FBH | | |
| Rotor / Stator Conf.: | 7/8 5.0 | | |
| Depth In: | 1035 | Bit Information: | |
| Depth Out: | 6181 | Bit Size: | 8 3/4 |
| Footage: | 5146 | Bit Type: | MM56D |
| Drilg Hours: | 16.2 | Bit Manufacture: | SECURITY |
| Circulating Hours: | 4.7 | Serial #: | 12678533 |
| Total Hours: | 20.9 | Jets / TFA: | 5X22 |
| Hours Below Rotary Table (LIH): | 26.55 | Mud Information End of Run: | |
| Motor Yield: | 12's | Mud Type: | OBM |
| Start of Run: Date | | Mud Weight: | 9 |
| June 10, 2016 | | Viscosity: | 52 |
| GPM'S: | 600 | Plastic Vis: | 14 |
| Standpipe Press / Off Bottom: | 1425 | Yield Point: | 13 |
| Standpipe Press / On Bottom: | 1760 | Sand %: | Trc |
| Weight on Bit Avg : | 20 | Solids %: | 6.6 |
| End Of Run: Date | | LCM (yes or no): | No |
| June 11, 2016 | | % LCM per/BBL: | N/A |
| GPM'S: | 580 | Static Temp: | |
| Standpipe Press / Off Bottom: | 2200 | Circulating Temp: | 143 |
| Standpipe Press / On Bottom: | 2700 | OBM Aniline Point: | |
| Weight on Bit Avg : | 25 | | |

Comments

Motor Performed well had no issues drilling , Upon inspection of BHA found 1 jet Plugged with rubber no down time and no other issues with this assembly.



NABORS

Motor Run Report #2

| General Information: | | In the Event of an Incident: | |
|---------------------------------|------------------------------|------------------------------|---------|
| Job #: | 9665 | Date of Incident: | |
| Customer: | EP Energy | Date Notified Office: | |
| Location: | CROCKETT, TX | Person Notified: | |
| Lease: | Barnhart | | |
| Well Name & Number: | University Salt Draw 4101 GH | | |
| Rig Name & Number: | Nabors 888 | Incident Comments: | |
| Directional Driller ('s): | Harper/Mizell | | |
| Motor Information: | | | |
| Motor Serial #: | RY650606 | | |
| Motor Size (OD): | 6 3/4 | | |
| Motor Company: | Ryan | | |
| Motor Stabilizer Size: | N/A | | |
| Degree Bent Housing: | 2.25 FBH | | |
| Rotor / Stator Conf.: | 4/5 7.0 | | |
| Depth In: | 6181 | Bit Information: | |
| Depth Out: | 6882 | Bit Size: | 8 3/4 |
| Footage: | 701 | Bit Type: | VG 20M |
| Drilg Hours: | 8.8 | Bit Manufacture: | Baker |
| Circulating Hours: | 3.7 | Serial #: | 5258026 |
| Total Hours: | 12.5 | Jets / TFA: | 3 X 18 |
| Hours Below Rotary Table (LIH): | 20.23 | Mud Information End of Run: | |
| Motor Yield: | 14 | Mud Type: | OBM |
| Start of Run: Date | | Mud Weight: | 9 |
| June 11, 2016 | | Viscosity: | 52 |
| GPM'S: | 435 | Plastic Vis: | 14 |
| Standpipe Press / Off Bottom: | 1400 | Yield Point: | 13 |
| Standpipe Press / On Bottom: | 1700 | Sand %: | Trc |
| Weight on Bit Avg : | 65 | Solids %: | 6.6 |
| End Of Run: Date | | LCM (yes or no): | No |
| June 12, 2016 | | % LCM per/BBL: | N/A |
| GPM'S: | 435 | Static Temp: | |
| Standpipe Press / Off Bottom: | 1400 | Circulating Temp: | 136 |
| Standpipe Press / On Bottom: | 1700 | OBM Aniline Point: | |
| Weight on Bit Avg : | 65 | | |

Comments

Motor performed well, drained good on surface with no slack in it.



NABORS

Motor Run Report #3

| General Information: | | In the Event of an Incident: | |
|---------------------------------|------------------------------|------------------------------|---------|
| Job #: | 9665 | Date of Incident: | |
| Customer: | EP Energy | Date Notified Office: | |
| Location: | CROCKETT, TX | Person Notified: | |
| Lease: | Barnhart | | |
| Well Name & Number: | University Salt Draw 4101 GH | | |
| Rig Name & Number: | Nabors 888 | Incident Comments: | |
| Directional Driller ('s): | Harper/Mizell | | |
| Motor Information: | | | |
| Motor Serial #: | RY675081 | | |
| Motor Size (OD): | 6 3/4 | | |
| Motor Company: | Ryan | | |
| Motor Stabilizer Size: | N/A | | |
| Degree Bent Housing: | 1.75 FBH | | |
| Rotor / Stator Conf.: | 7/8 5.0 | | |
| Depth In: | 6882 | Bit Information: | |
| Depth Out: | 17295 | Bit Size: | 8 1/2 |
| Footage: | 10413 | Bit Type: | T606X |
| Drilg Hours: | 36.7 | Bit Manufacture: | Baker |
| Circulating Hours: | | Serial #: | 7151763 |
| Total Hours: | 36.7 | Jets / TFA: | 6 X 18 |
| Hours Below Rotary Table (LIH): | | Mud Information End of Run: | |
| Motor Yield: | 12's | Mud Type: | OBM |
| Start of Run: Date | | Mud Weight: | 9 |
| June 12, 2016 | | Viscosity: | 52 |
| GPM'S: | 600 | Plastic Vis: | 14 |
| Standpipe Press / Off Bottom: | 3200 | Yield Point: | 13 |
| Standpipe Press / On Bottom: | 4100 | Sand %: | Trc |
| Weight on Bit Avg : | 30 | Solids %: | 6.6 |
| End Of Run: Date | | LCM (yes or no): | No |
| June 15, 2016 | | % LCM per/BBL: | N/A |
| GPM'S: | 530 | Static Temp: | |
| Standpipe Press / Off Bottom: | 3800 | Circulating Temp: | 136 |
| Standpipe Press / On Bottom: | 4500 | OBM Aniline Point: | |
| Weight on Bit Avg : | 35 | | |

Comments

EP Energy E&P Company, L.P.

University Salt Draw 4101GH

Nabors 888

Drilling Time Only

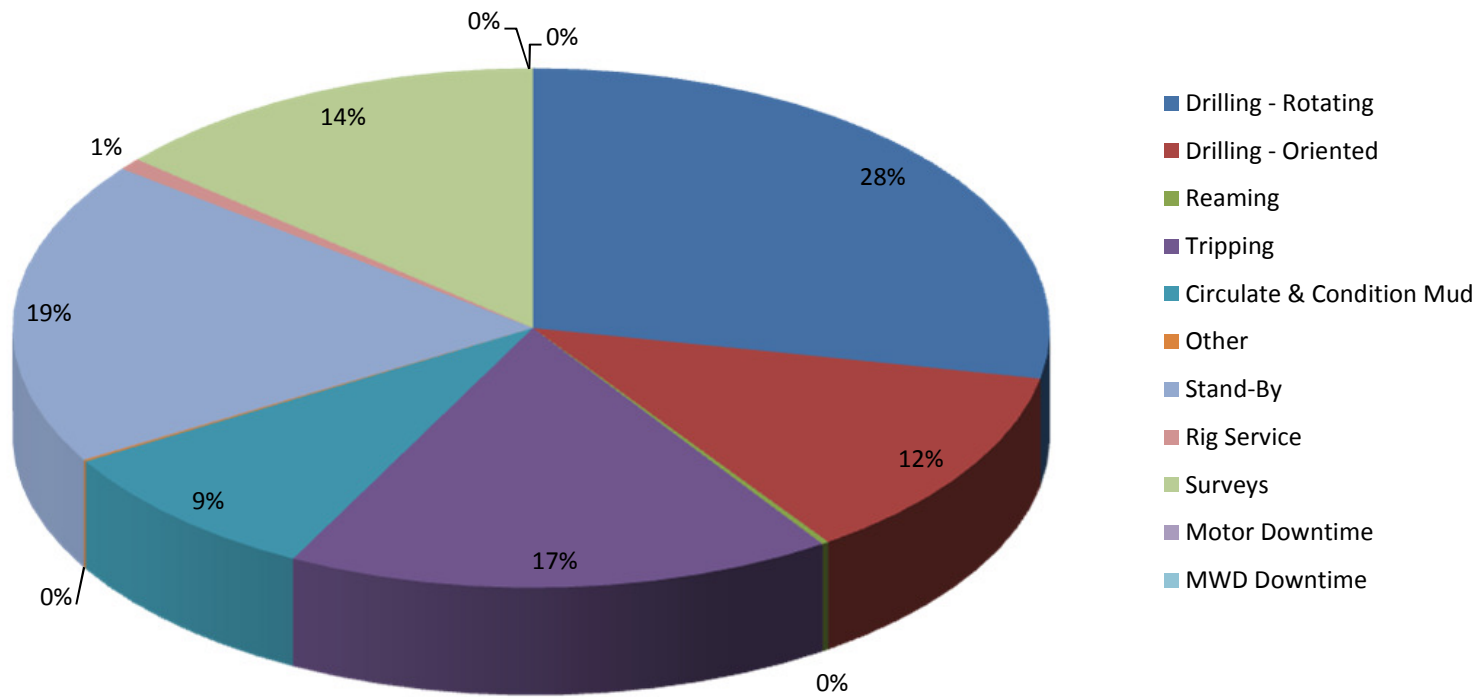
| | Rotating Ftg | Rotating Hrs | Rotating ROP | Rotating % | Slide Ftg | Slide Hrs | Slide ROP | Slide % | Total Ftg | Total Hrs | Avg ROP |
|----------------------|--------------|--------------|--------------|------------|-----------|-----------|-----------|---------|-----------|-----------|---------|
| Vertical Hole | 4822.00 | 13.85 | 348.16 | 92.45% | 394.00 | 3.11 | 126.69 | 7.55% | 5216.00 | 16.96 | 307.55 |
| Curve | 166.00 | 2.06 | 80.58 | 21.28% | 614.00 | 6.59 | 93.17 | 78.72% | 780.00 | 8.65 | 90.17 |
| Lateral | 9481.00 | 27.19 | 348.69 | 92.37% | 783.00 | 9.00 | 87.00 | 7.63% | 10264.00 | 36.19 | 283.61 |

Start Depth: 1035

| Date | Day | Depth | KOP / EOC | Ftg. Today | Ftg. Oriented | Ftg. Rotating | Drilling - Rotating | Drilling - Oriented | Reaming | Tripping | Circulate & Condition Mud | Other | Stand-By | Rig Service | Surveys | Motor Downtime | MWD Downtime | Run Casing, Testing BOP | Fishing | Total Hours |
|-----------|-----|-------|--------------------------|------------|---------------|---------------|---------------------|---------------------|---------|----------|---------------------------|-------|----------|-------------|---------|----------------|--------------|-------------------------|---------|-------------|
| 6/9/2016 | 1 | 1035 | KOP @ 6251 EOC @ 7031 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.00 |
| 6/10/2016 | 2 | 5305 | | 4270 | 328 | 3942 | 10.00 | 2.57 | 0.33 | 2.42 | 0.00 | 0.17 | 5.00 | 0.00 | 3.50 | 0.00 | 0.00 | 0.00 | 0.00 | 24.00 |
| 6/11/2016 | 3 | 6882 | | 1577 | 606 | 971 | 5.73 | 6.83 | 0.00 | 7.50 | 0.73 | 0.00 | 0.00 | 0.00 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 | 24.00 |
| 6/12/2016 | 4 | 10345 | | 3463 | 315 | 3148 | 6.97 | 1.72 | 0.00 | 8.58 | 0.50 | 0.00 | 0.00 | 1.12 | 5.10 | 0.00 | 0.00 | 0.00 | 0.00 | 24.00 |
| 6/13/2016 | 5 | 15177 | | 4832 | 483 | 4349 | 11.80 | 5.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.82 | 0.00 | 0.00 | 0.00 | 0.00 | 24.00 |
| 6/14/2016 | 6 | 17295 | | 2118 | 59 | 2059 | 8.48 | 2.30 | 0.00 | 1.75 | 9.00 | 0.00 | 0.00 | 0.00 | 2.45 | 0.00 | 0.00 | 0.00 | 0.00 | 24.00 |
| 6/15/2016 | 7 | 17295 | | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 5.75 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.00 |
| | | | | | 16260 | 1791 | 14469 | 42.98 | 18.77 | 0.33 | 26.00 | 13.48 | 0.17 | 28.98 | 1.12 | 21.05 | 0.00 | 0.00 | 0.00 | 0.00 |

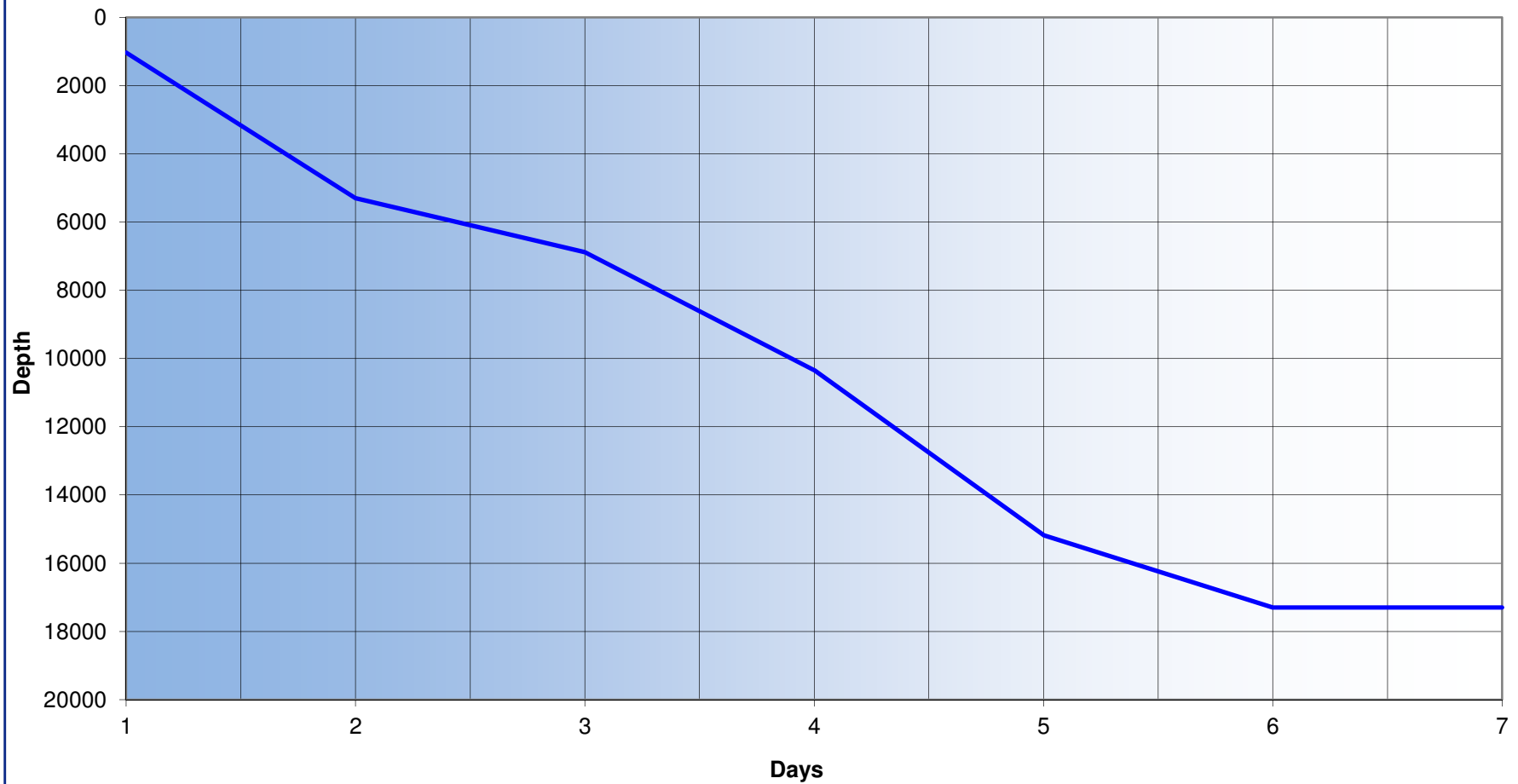
EP Energy
University Salt Draw 4101 GH

TIME BREAKDOWN



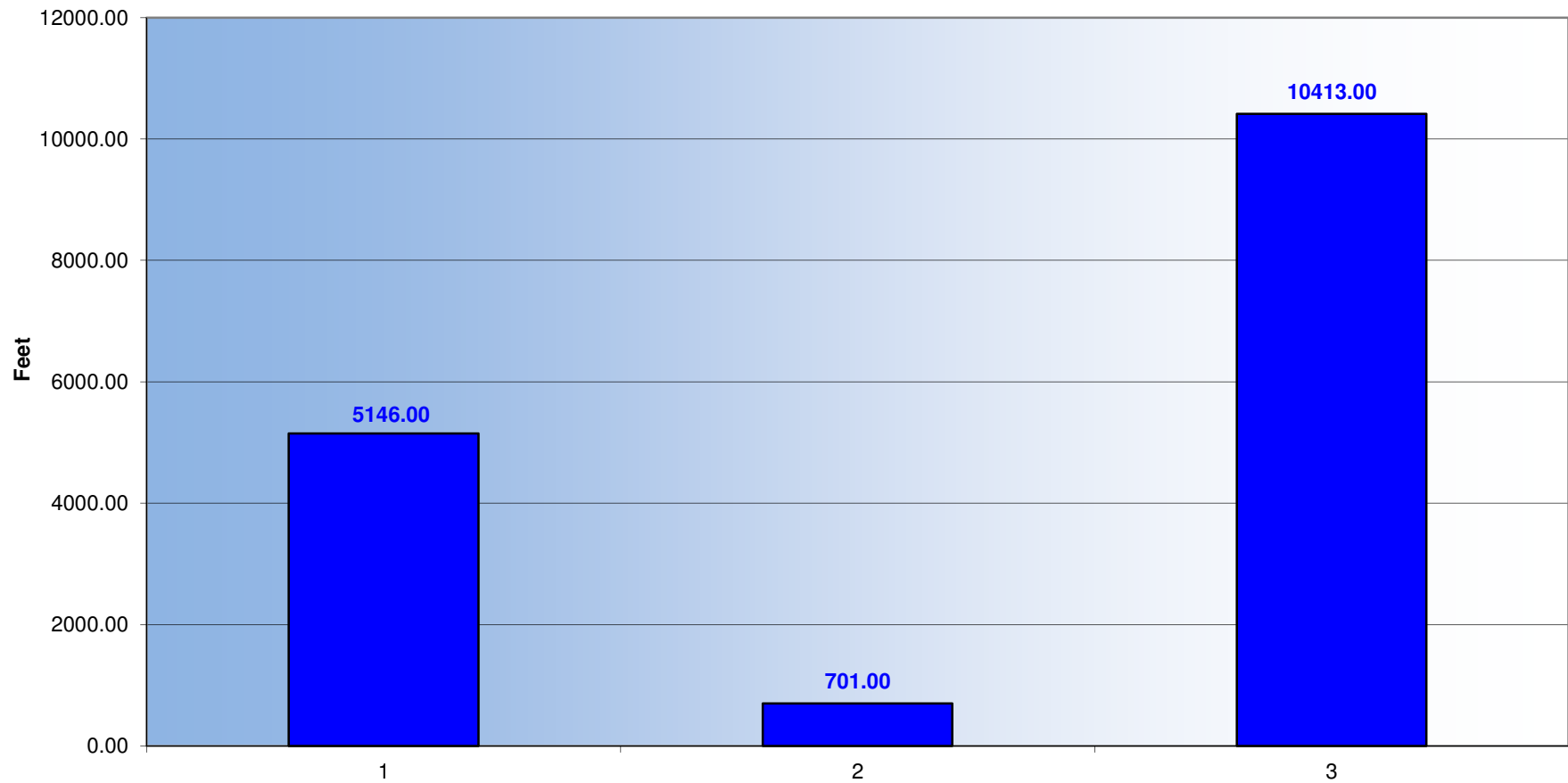
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Days vs. Depth



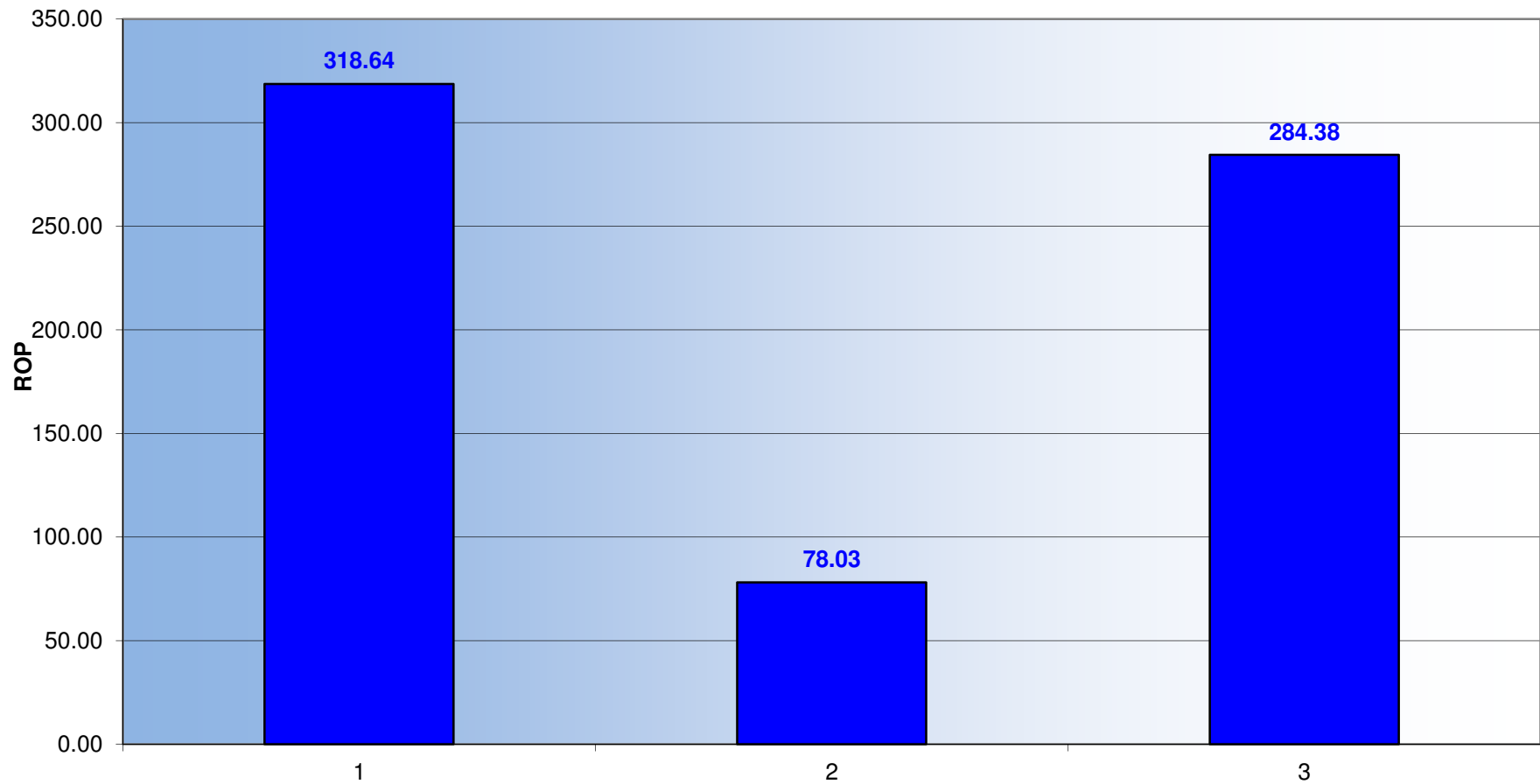
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Footage Per BHA



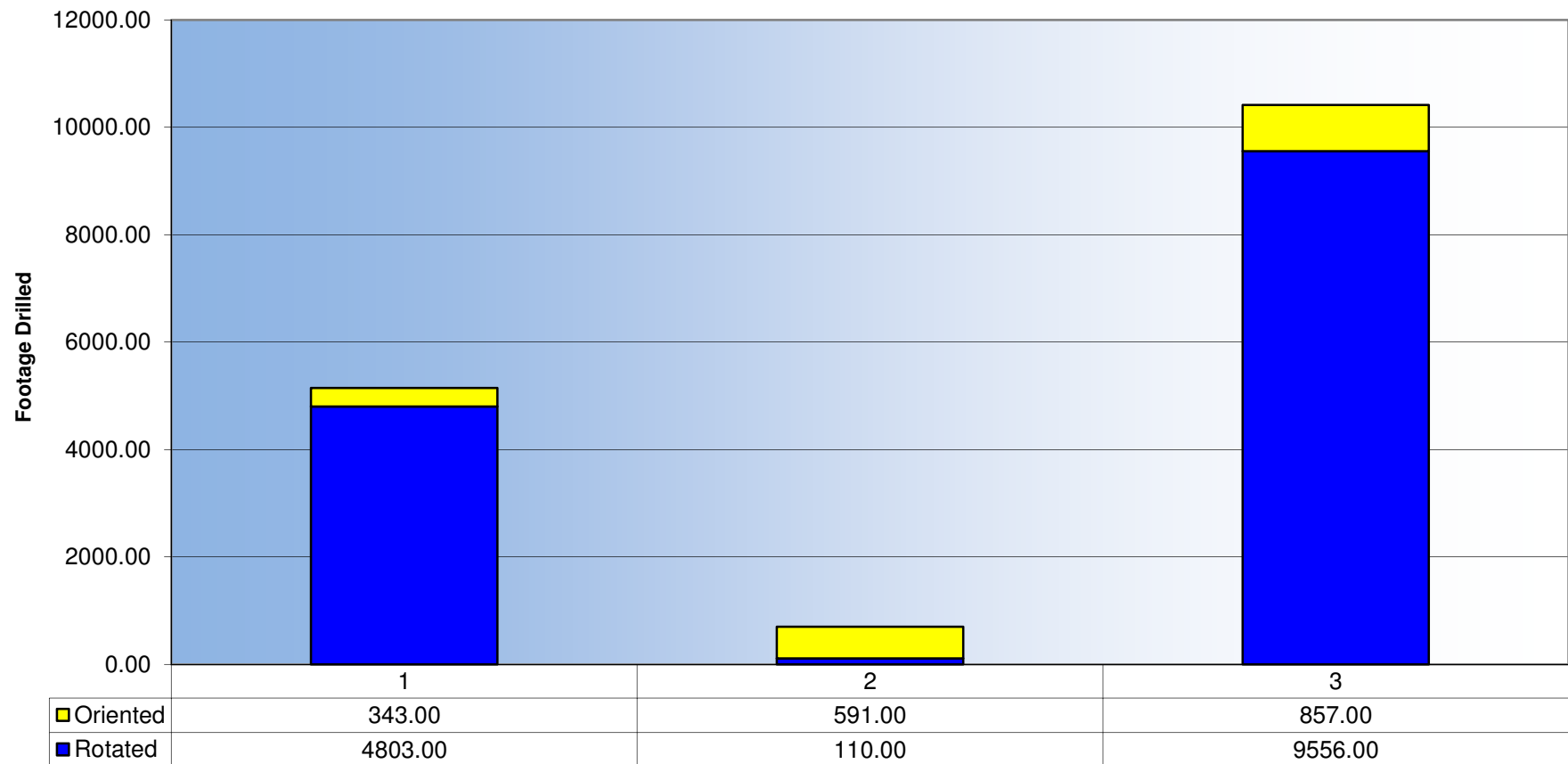
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Average Rate of Penetration Per BHA



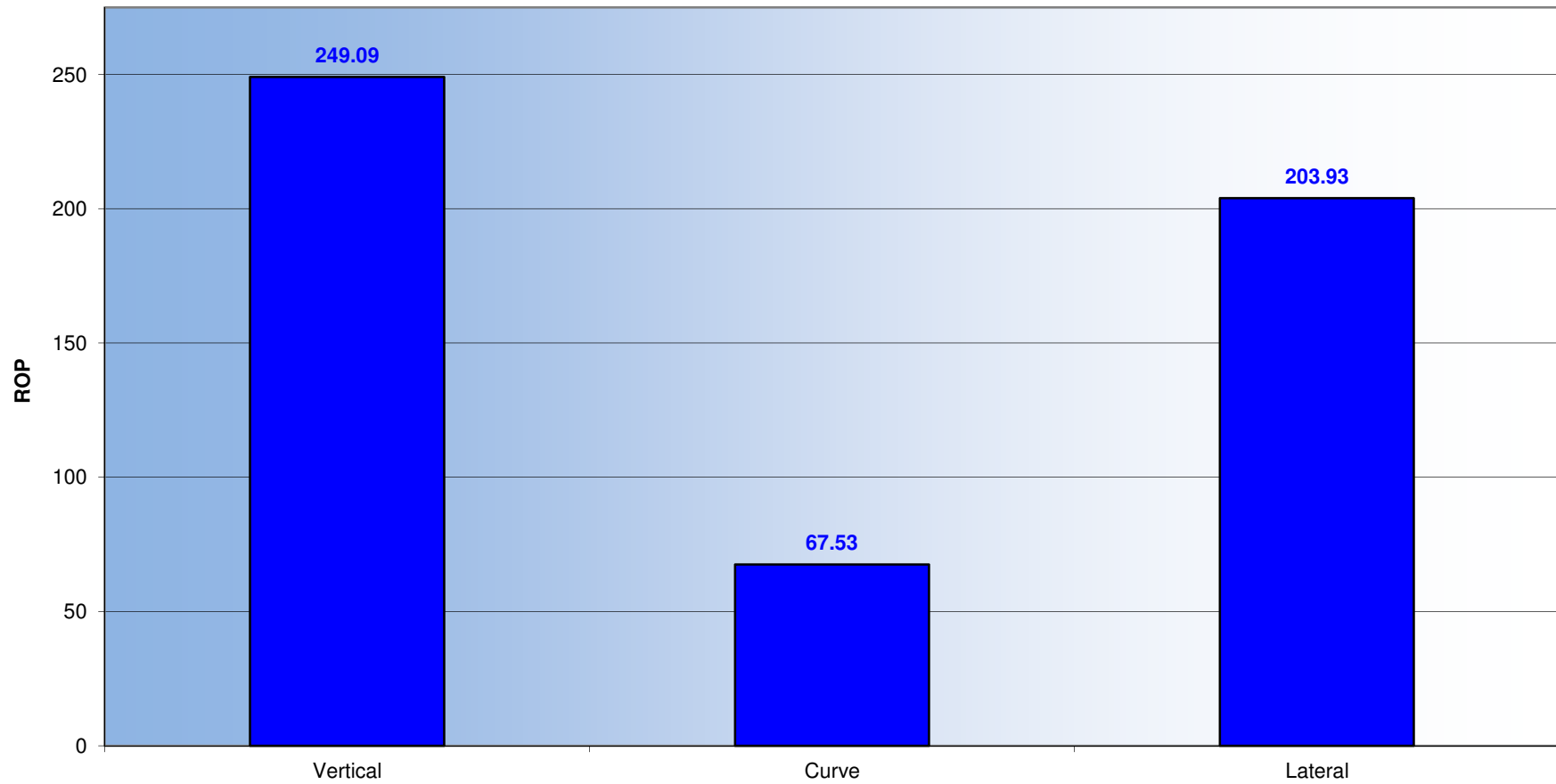
EP Energy
University Salt Draw 4101 GH

Oriented vs. Rotated



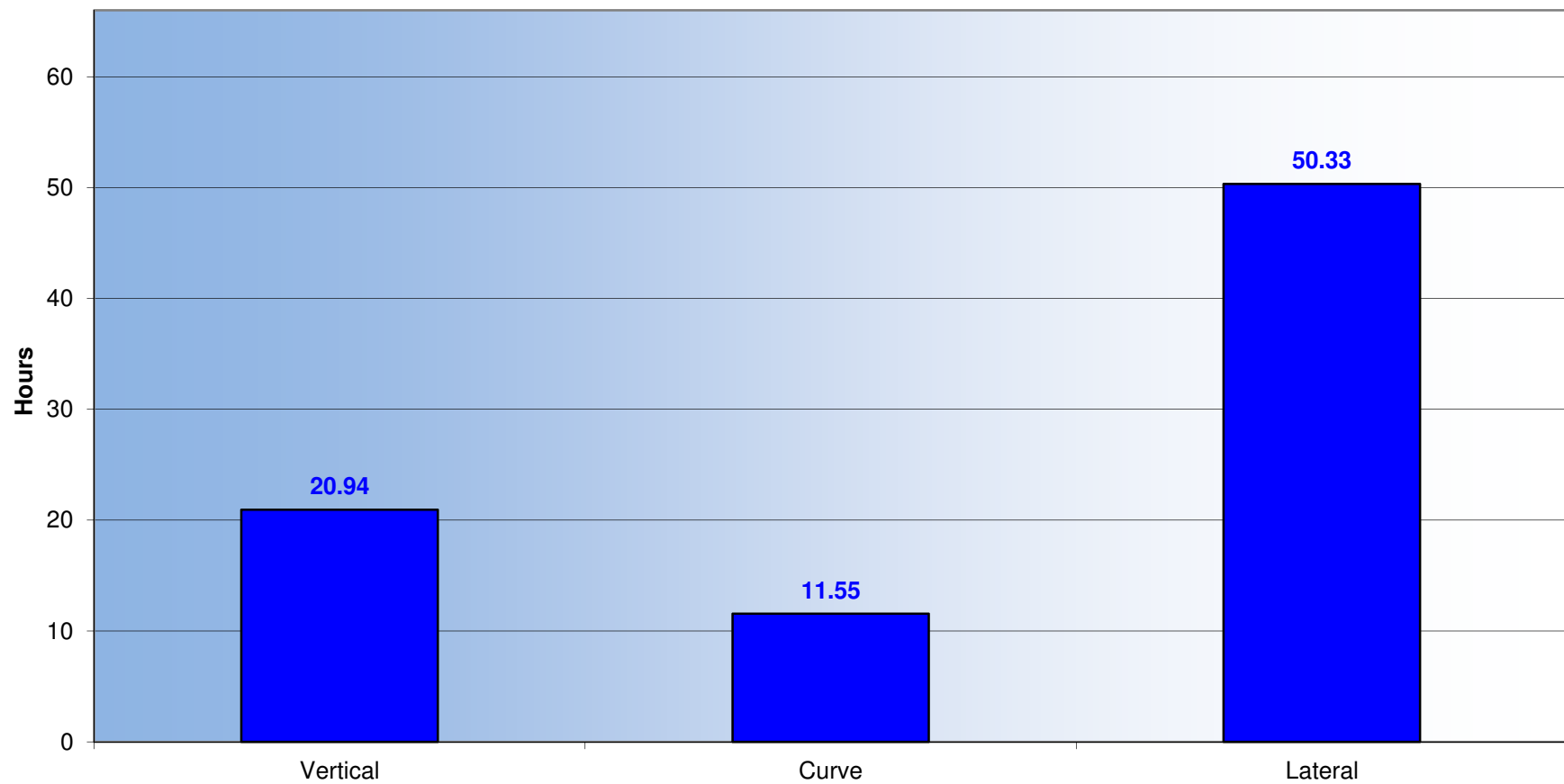
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Vertical, Curve, and Lateral Average ROP



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University Salt Draw 4101 GH

Vertical, Curve, and Lateral Hours



EP Energy
University Salt Draw 4101 GH

Vertical, Curve, and Lateral Average Footage Per Day

