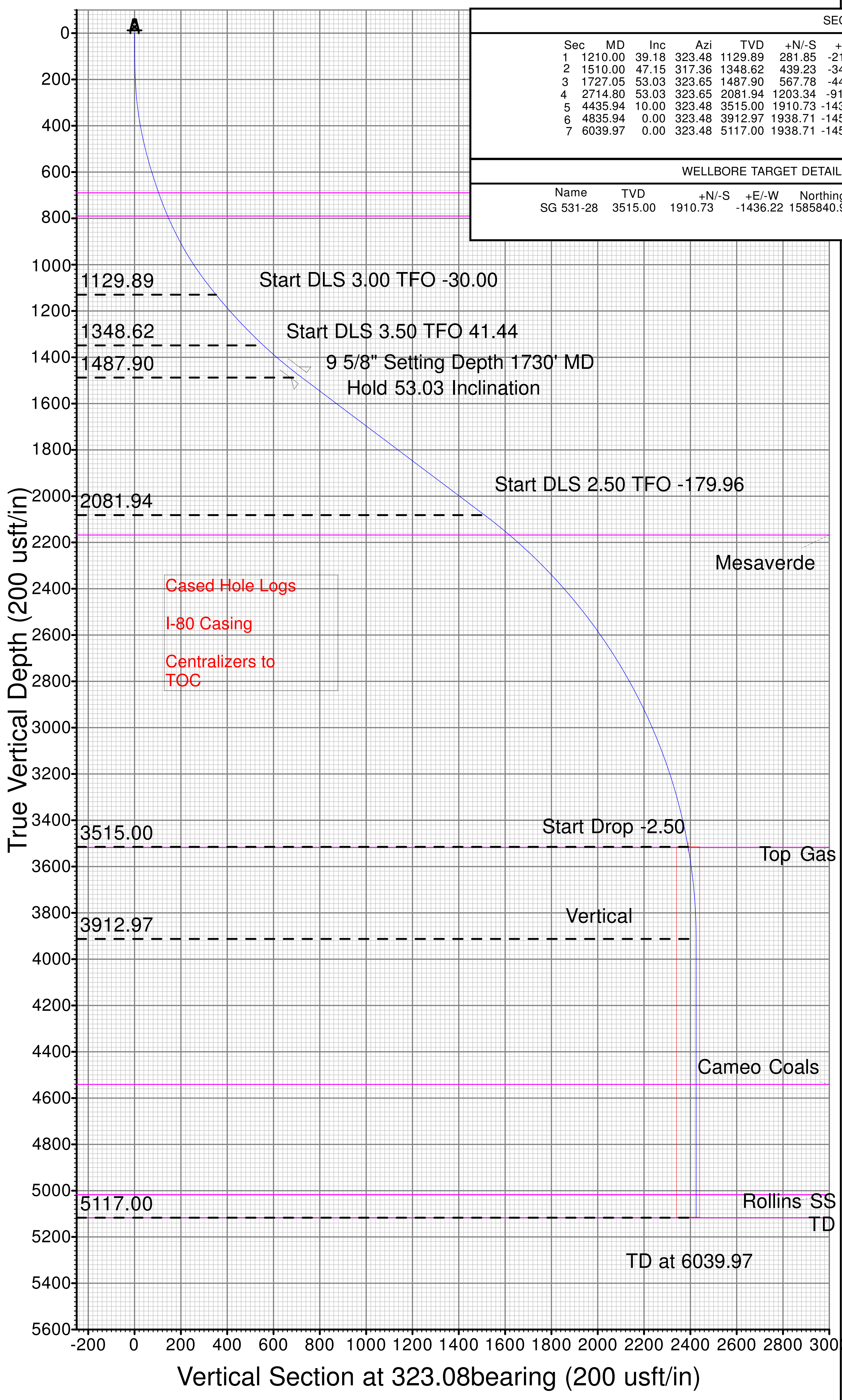




Well Name: SG 531-28
 Surface Location: SG 43-28 Pad
 North American Datum 1983, US State Plane 1983, Colorado Central Zone
 Ground Elevation: 5119.00
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.00 0.00 1583889.92 2263430.29 39.40752 -108.10717 A11
 H&P 318



| SECTION DETAILS | | | | | | | | | | |
|-----------------|---------|-------|--------|---------|---------|----------|------|---------|---------|--------------------------------|
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSec | Target |
| 1 | 1210.00 | 39.18 | 323.48 | 1129.89 | 261.85 | -210.63 | 0.00 | 0.00 | 351.85 | |
| 2 | 1510.00 | 47.15 | 317.36 | 1348.62 | 439.23 | -341.78 | 3.00 | -30.00 | 556.47 | |
| 3 | 1727.05 | 53.03 | 323.65 | 1487.90 | 567.78 | -447.23 | 3.50 | 41.44 | 722.58 | |
| 4 | 2714.80 | 53.03 | 323.65 | 2081.94 | 1203.34 | -915.01 | 0.00 | 0.00 | 1511.69 | |
| 5 | 4435.94 | 10.00 | 323.48 | 3515.00 | 1910.73 | -1436.22 | 2.50 | -179.96 | 2390.32 | Top Gas (50' Radius) SG 531-28 |
| 6 | 4835.94 | 0.00 | 323.48 | 3912.97 | 1938.71 | -1456.94 | 2.50 | 180.00 | 2425.14 | |
| 7 | 6039.97 | 0.00 | 323.48 | 5117.00 | 1938.71 | -1456.94 | 0.00 | 323.48 | 2425.14 | |

| WELLSBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG) | | | | | | |
|--|---------|---------|----------|------------|------------|----------|
| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude |
| SG 531-28 | 3515.00 | 1910.73 | -1436.22 | 1585840.98 | 2262049.56 | 39.41277 |

| SLOTS | | | | |
|---------------|--------|----------|------------|------------|
| Slot Name/N-S | +E/-W | Northing | Easting | |
| 43-28 | -52.37 | -12.62 | 1583837.94 | 2263416.18 |
| A1 | -58.24 | 47.21 | 1583830.35 | 2263475.81 |
| A10 | -5.83 | 4.72 | 1583883.96 | 2263434.84 |
| A11 | 0.00 | 0.00 | 1583889.92 | 2263430.29 |
| A2 | -52.42 | 42.49 | 1583836.30 | 2263471.26 |
| A3 | -47.02 | 37.67 | 1583841.84 | 2263466.60 |
| A4 | -41.23 | 32.91 | 1583847.76 | 2263462.00 |
| A5 | -34.95 | 28.33 | 1583854.17 | 2263457.60 |
| A6 | -29.13 | 23.61 | 1583860.13 | 2263453.05 |
| A7 | -23.30 | 18.89 | 1583866.09 | 2263448.50 |
| A8 | -17.90 | 14.05 | 1583871.63 | 2263444.82 |
| A9 | -12.07 | 9.33 | 1583877.59 | 2263439.27 |
| B1 | -51.95 | 54.98 | 1583836.42 | 2263483.75 |
| B10 | 0.47 | 12.48 | 1583890.03 | 2263442.78 |
| B11 | 6.30 | 7.76 | 1583895.99 | 2263438.23 |
| B2 | -46.13 | 50.26 | 1583842.37 | 2263479.20 |
| B3 | -40.22 | 45.47 | 1583848.41 | 2263474.58 |
| B4 | -34.15 | 40.76 | 1583854.61 | 2263470.05 |
| B5 | -28.66 | 36.09 | 1583860.24 | 2263465.54 |
| B6 | -23.02 | 31.34 | 1583866.01 | 2263460.95 |
| B7 | -17.00 | 26.65 | 1583872.16 | 2263456.44 |
| B8 | -10.88 | 21.92 | 1583878.41 | 2263451.89 |
| B9 | -5.83 | 17.21 | 1583883.60 | 2263447.32 |

Project: SG 28-07S-096W
 Site: SG 43-28 Pad
 Well: SG 531-28
 Wellbore: Wellbore #1
 Plan: Design #4 ST 2Nov14 DM (SG 531-28/Wellbore #1)
 Ground Level: 5119.00
 KB @ 5143.00usft (H&P 318)

