

LOCATION 1980' FWL & 660' FSL Section 28, T19S, R37E, Lea County, New Mexico
 DEPTH: 4050' (GL Elev. 3568.7')
 CONTRACTOR: Cactus Drilling Co.
 DEAL: GWDC has a 64.476% W.I.

12-28-79 Building roads & locations.

12-29-79 Finished road & location.

12-30-79 " " digging working pits.

12-31-79 Down f/Sunday.

1-1-80 Lined Pits, filled pits w/4 loads water.

1-2-80 No Report.

1-3-80 Day 1. Depth 76'. Drlg. Redbeds. Bit #1, 12 $\frac{1}{4}$ ", HTC, OWV; Depth in @ 0'. WOB all @ 120 RPM. PP 200# @ 280 SPM. Spent $\frac{1}{2}$ ' drlg, 3' WO mud, 4 $\frac{1}{2}$ ' mix mud. Spud 12 $\frac{1}{4}$ " hole @ 10:00 PM, 1-2-80. Mixed 100 sks gel + 15 sks paper + 12 Lime + 4 hulls. Lost circulation @ 73', got returns w/LCM & drld 3' lost returns again. Prog. 76'. Cum. cost \$7,719.73.

1-4-80 Day 2. Depth 414'. NU BOP. Redbeds. MW 8.7, Vis 34. Dev $\frac{1}{4}$ ° @ 414'. Bit #1, 12 $\frac{1}{4}$ ", HTC, OWV; Depth in @ 0 out @ 414'. WOB all @ 120 RPM. PP 400# @ 280 SPM. Spent 4 $\frac{1}{4}$ ' drlg, $\frac{1}{4}$ ' totco, 3/4' trip, $\frac{1}{2}$ ' RR, $\frac{1}{2}$ ' circulating, 2' running csg, 1' cementing, 14-3/4' WOC & NU. SLM & no correction. Ran 9 jts, 8-5/8", 24#, ST&C csg, 402.14' set @ 413.64 KBM. Cemented 250 sks Class C + 4% CaCl₂. PD @ 3:15 PM, 1-3-80. Circ 44 sks cement. Prog. 338'. Cum. cost \$14,027.72.

1-5-80 Day 3. Depth 1650'. Drlg. Anhy & Salt. MW 10.1, pH 8.5. Dev 3/4° @ 916'; 1° @ 1400'. Bit #2, 7-7/8", HTC, OSC-16J; Depth in @ 414'. WOB 25,000# @ 120 RPM. PP 1400# @ 62 SPM. Spent 15' drlg, $\frac{1}{2}$ ' totco, 1' trip, 2' RR, 3 $\frac{1}{2}$ ' NU, 1' drill plug & cement, $\frac{1}{2}$ ' test pipe & blinds, $\frac{1}{2}$ ' test pipe rams. Top plug @ 344', 70' fill. Tested pipe & blind rams to 1000# f/30" - held OK. Prog. 1236'. Cum. cost \$29,643.12.

1-6-80 Day 4. Depth 2752'. Tripping. Anhy & Shale. MW 10, pH 8. Dev 1 $\frac{1}{2}$ ° @ 1875'; 1 $\frac{1}{2}$ ° @ 2743'; 1-3/4° @ 2741'; 1-3/4° @ 2752'. Bit #2, 7-7/8", HTC, OSC1GJ; Depth in @ 414' out @ 2243'. Bit #3, 7-7/8", HTC, OSC1GJ; Depth in @ 2243' out @ 2752'. WOB 35-40,000# @ 100-120 RPM. PP 1400# @ 62 SPM. Spent 12' drlg, 1 $\frac{1}{4}$ ' totco, 10 $\frac{1}{4}$ ' trip, $\frac{1}{2}$ ' working pipe free @ 2752'. Pipe stuck @ 275 2', worked free. Prog. 1102'. Cum. cost \$47,860.51.

1-7-80 Day 5. Depth 3120'. Drlg. Anhy. MW 10.1. Dev 1-3/4° @ 3019'. Bit #4, 7-7/8", HTC, J-44; Depth in @ 2752'. WOB 35,000# @ 50 RPM. PP 1400# @ 62 SPM. Spent 19' drlg, $\frac{1}{2}$ ' totco, 3' trip, 1 $\frac{1}{2}$ ' RR. Prog. 368'. Cum. cost \$52,740.71.

1-8-80 Day 6. Depth 3400'. Drlg. Anhy & Lime. MW 10, Vis 36, WL 4, pH 7.5, FC 1/32. Dev 1 $\frac{1}{2}$ ° @ 3358'. Bit #4, 7-7/8", HTC, J-44; Depth in @ 2752'. WOB 35,000# @ 50 RPM. PP 1200# @ 62 SPM. Spent 23 $\frac{1}{4}$ ' drlg, $\frac{1}{2}$ ' totco, $\frac{1}{4}$ ' Rig service. Prog. 280'. Cum. cost \$59,069.85.

OIL CONSERVATION DIV.

FEB 19 '80

RECEIVED