### District Drilling Engineer Daily Report

#### Western

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#### Spudding

- **11-03-88**
  - **Location:** 528.83'N & 546.93'E
  - **Ground Elev:** 604.925'
  - **MIRU Plan to spud late pm 11/3/88.**

- **11-04-88**
  - **TD:** 164' (124')
  - **MW:** 8.6
  - **VSI:** 54
  - **RIH:** 136'
  - **Spud Q 2300 hrs IL/3/88.**
  - **Dril-d to 59'.**
  - **Unplug conductor & flowline. Dril ding to 136'. Returns noticed in cellar around rathole. Mix & pumped LCM pill. POOH to stab. RIH to 136'. Unplug flowline. Dril ting to 157'. Flowline plugged w/ clay. CO same. Dril ding to FD.**

- **3-1/4**
  - **TD:** 1381' (1217')
  - **MW:** 9.5
  - **VSI:** 44
  - **RIH:** (7' @ 437')
  - **Drill 9-7/8' hole e/ 164' to 223'. Approx 25% returns. CC mud. Add LCM. Drill 9-7/8' e/ 223'-315'. POOH. Allow LCM to soak. TIH to 315'. Drill f/ 315'-350' w/ 75% returns. Drill f/ 350'-400' w/ 90% returns. WT to bit. CC mud f/ 7' csg. Survey @ 437' (0930). POOH. RU & ran 10 jts 7" K-55 LTC csg. Shoe @ 437'. Mix and pump 220 ax Cl "G" cmt + 2% CaCl2 + 1/4 #/sx flocale @ 13.8 ppg. Full returns w/ 10 bbls cmt to surface. Bumped plug w/ 500 psi over. Floats did not hold. Shut in w/ 200 psi. CIP @ 0119 hrs 11/5/88. Cut off cond & 7' csg. Weld on 7" x 7-1/16" 3M SOW. Test weld to 1500 psi. NU BOPE. Test to 1000 psi (DOGMI witness). MU 6-1/4' bit & BHA. Drill out FC @ 390' & cmt t/ 417'. Test csg to 1000 psi. Drill shoe @ 437'. Drill 6-1/4' hole e/ 437'-700'. CBU. POOH f/ new bit (plugged jet). Drill e/ 700'-973'. CBU. Survey @ 973' (60'). POOH f/ BHA. Change to 60' pendulum assy. TIH. Drill e/ 973'-1381'. WT @ 1163'-853' & 1287'-1100'.

- **4-1/4**
  - **TD:** 1537' (156')
  - **MW:** 9.6
  - **VSI:** 46
  - **RIH:**
  - **Drill 6-1/4' hole e/ 1381'-1537'. WT to 1200'. Surveys @ 1021' 4045' S84W, 1458' 40 S48W, 1520' 40 S49W. Wait on directional man. PU MM and NU BHA.

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### Numbering Rules

For spudding and subsequent drilling, see Procedure Manual, Section 10, Drilling, Page 24 and 81.