

PROPOSED DEEPENING AND COMPLETION PROCEDURE

PERRY R. BASS

Big Eddy Unit #32

(Drilled by Pennzoil United, Inc., as Big Eddy Unit #32, to a depth of 11,578'; P&A 7-16-70).

LOCATION: 660' FSL, 660' FWL, Sec. 15, T-21-S, R-28-E; Eddy County, New Mexico.

ELEVATION: 3265' GL.

PROPOSED TOTAL DEPTH: 12,500'. (Max. anticipated).

DRILLING METHOD: Rotary tools.

CASING PROGRAM:

13 3/8" ODCSA 497', 48#/ft., in 17 1/2" hole; cemented with 550 sacks class H; circulated. (Set by Pennzoil)

9 5/8" ODCSA 2524'; in 12 1/4" hole; 36#/ft.; cemented with 1925 sacks Litewater, plus 100 sacks class H; t/cement 375'. (Set by Pennzoil).

5 1/2" OD N-80, 17#/ft. casing will be set by Bass, at TD, 12,500'; to be cemented with approximately 1310 sacks of API class H cement containing 1% of CFR-2, and 3# Kcl per sack.

PROCEDURE:

1. Move in and rigged up McVay Drilling Co. rig #8.
2. Nipple up BOP's on 9 5/8" ODC, with drilling head and accessory equipment.
3. Drill out cement plugs, using 8 3/4" bit, with 10.0 PPG brine water, to TD of present hole, 11,578'. Plugs are as follows:
45 sacks, 11500-11373'; 45 sacks 10930-10803'; 45 sacks 9640-9513; 45 sacks 7600-7473'; 45 sacks 6100-5973'; 45 sacks 4100-3973'; 45 sacks 2575-2448'; 10 sacks surface.
4. Circulate hole clean with 10.0 PPG brine; mud up with Dris type mud. Reduce water loss to 5 cc to 8 cc.
5. Drill thru' Morrow sands, maintaining water loss, as above.
6. Set 5 1/2" OD, N-80, 17# and 20#/ft. casing at TD of 12,500' with approximately 1310 sacks of API class H cement containing 1% of CFR-2, and 3# Kcl, per sack. Cement is to be mixed at 15.8 PPG; and is to be preceded by 1000 gallons SAM-4.
7. A well service unit is to be moved in and rigged up to complete the well.

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