

(4487A)

864-78

DRILL HISTORY
McCoy 26-8a

- 8/17/83 Filled water reservoir in Edwards Ck. Valley, and prepared drill location with backhoe.
- 8/18/83 Regan BOPE delivered by John Phillips Co. at 8 a.m. Longyear crew arrived at 10 a.m. and moved rig over hole. Crew brought no timbers, water truck, cutting torch or welder so rig could not be set up.
- 8/19/83 Dug cellar and pits. Cribbed in cellar, set up drill rig, installed BOPE (total height 56"). Attempted to pressure up BOP but fluids were pumped into formation at base of casing. Visual check showed no leakage at surface or around wellhead. No night shift.
- 8/20/83 Finished setting up, RIH 9 a.m., mix muds, circulate, begin drilling at 1:15 p.m. Drilled 1002-1008 with no returns, unable to pull core tube and mud pump pressuring up to 700 psi. POH, core barrel jammed with fine silt. RIH, drilled 1008-1014, stuck core tube briefly, then coring ahead with no problems and minor returns. Cored from 1002 to 1080 for a total daily footage of 78'. Mud temp. in 17°C and 20°C out, weight 8.8 and vis of 40.
- 8/21/83 Cored from 1080 to 1174' for a daily total of 96'. Lost circulation completely at 1160', continue drilling to 1174' with penetration 12/14' hr. POH to change bits and grease rods.
- 8/22/83 Change bit, grease rods, RIH. On bottom at 10:30 a.m. Coring with no returns from 1174' to 1206' for a daily total of 32'. When the chuck flange broke, pull rods off bottom, shut down and waiting on parts.
- 8/23/83 Waiting on parts, then repaired chuck and resumed drilling in late afternoon. Cored from 1206' to 1271' without returns for a daily total of 65'. Mud temp in 18°C, weight 9.3 and viscosity 42.
- 8/24/83 Cored from 1271' to 1379' for a daily total of 108'. Drilling ahead without returns and very low pump pressure indicating fluid loss near bottom of hole. Penetration rate of 10' per hour; also POH for bit change.
- 8/25/83 Cored from 1379' to 1486' for a daily footage of 107'. Penetration rate is approximately 12'/hr. ROH to change bit and lube rods. Water truck on site has 1,000 gal. capacity and running 24 hours, a larger truck is due at project anytime.

- 8/31/83 Cored from 1882' to 1902'. POH for bit change, RIH, cored 20 feet, driller overfilled core barrel and could not pull barrel. Crew made wet pull, removed tube and RIH.
- 9/01/83 Cored from 1902' to 1967' for a daily total of 65'. Day shift tripped pipe for mismatch. Chuck started going out during night shift, will repair on 9-2. Expenditures to day include purchase of 1200' of HW casing. Additional 1200' of HW casing shipped to site from AMAX Elko storage yard. Elko casing is surplus from Kirwin project. Mud temp in 18°C, no returns, weight 8.6, vis. 40.
- 9/02/83 Cored from 1967' to 2024' for a daily total 57'. Rig was shut down at 9 a.m. to repair chuck, then drilling ahead by 10 a.m. Swing shift broke wireline cable, and pulled 200' of rods to retrieve cable and tube. Morning tower sanded in tube, broke wireline cable and started tripping out rods (both swing and night shifts careless).
- 9/03/83 Cored from 2024' to 2055' for a total of 31'. Day shift finished putting rods in hole. Water in hole building up some drilling pressure. Seems to be between 300-400' of water in hole. Outside gauge of impregnated bit mucshroomed. Swing shift tripped out of hole. Graveyard shift tripped into hole and drilled two feet. 1200' of HW casing arrived at 4 p.m. Mud temp in 18°C, no returns, weight 8.5, vis. 39.
- 9/04/83 Cored from 2053' to 2094' for a total footage of 41'. Day shift tripped out of hole and then tripped back in hole. Dirty sub tank caused gravel to stick in tube. Also, no core spring in tube (evidence of problems with night shift). Day shift cleaned sump and adjusted tube. Swing shift mixed new mud and started to core at 4:30 p.m. Mud temp in 18°C, no returns, weight 8.7, vis. 41.
- 9/05/83 Stopped hole at 2094', rock fractured but considerably more competent than previous 50'. Bits being ruined trying to drill through core getting to bottom of hole. Day shift broke out HW rods in 10 foot sections. Swing and night shifts worked together setting NW casing. Casing went in easy. NW cut off on bottom (no casing shoe). Deviation survey ran at 2065' with 8.5° angle to 65°SE.

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9/06/83 Rig released. Handling of BOPE and geolograph to Reno by Longyear Hauling leftover NW casing to haulage barns.

Well History

<u>Interval</u>	<u>Hole Size</u>	<u>Casing</u>
0 - 406'	10 1/4"	7"(0-400)
406 - 1002'	6 1/4"	4 1/2"
1002 - 2094'	3 3/4"	3 1/2"