

MZI-11A WELL SUMMARY

PROPRIETARY

- At start-up depth of well 1355' with 4-1/2" casing at 5'
- 7/5/89 Moving in Longyear 600 core rig.
- 7/6/89 Rig up on well. Lay water line to creek 800'. Bleed off well 15# to 5 psi. Gauge not working properly. Start pumping water in well at 6:15 p.m. 7/6/89 at 5 bbls per hr.
- 7/7/89 7 hrs. dry watch rig and pump water in well at 5 to 10 bbls per hr. Check well for flow, remove cap from well head, hook up to pump water in well while nipple up 6"-900 series double hydraulic gate with pipe rams and blind rams with 6"-900 series Shaeffer spherical bag type hydraulic B.O.P. Ran in hole to 104 ft. with Halliburton. Retrievable packer, set same pressured up packer with mud. Held OK.
- 7/8/89 Finish, nipple up accumulator, install hand closing wheels to blind rams. Pressure tested all B.O.P., blind and pipe rams, bag type B.O.P. Kill and choke lines to 700 psi. OK. Test witnessed by Dennis Simontacchi with BLM. Retrieved Halliburton packer and trip in hole. Ream and wash to bottom at 1050'.
- 7/9/89 Ream from 1050' - 1355'. No returns. Core drilling from 1355' - 1510'. No returns.
- 7/10/89 - 8/5/89  
Core drilling from 1510' - 4670' (3.895 inch hole). Core drilling without returns from 1510' - 4670' pumping 12 G.P.M. 8.8 lbs. 38-40 viscosity mud while coring. Fluid level in hole 450-500 ft. to 1100 ft. maximum. Temperature thermometer run at 30' intervals while retrieving core. Maximum stabilized temperatures run after trips. Pipe rams were function tested on daily basis. Blind rams and spherical B.O.P. were function tested on all trips.
- 8/6/89 Reached total depth 4670'. Lay down drill tubing. Rig up and ran 138 jts. 4675' jt. 1-1/2" nominal tubing, landed on 6"-900 casing head by bolted flange. Installed valve in top of tubing and left 2" valve on casing head. 1-1/1" tubing was perforated at bottom 2 joints for future circulation if required. 1-1/2" tubing valve installed below ground level and cellar cover replaced. Reserve pit was pumped out and lining was salvaged and pits were filled in.

The well will remain open for one year as an observation well in accordance with the CECI Cost Share Contract with the DOE. Permanent plugging and abandonment in accordance with GRO Order #3 is anticipated for Fall, 1990.

RAP:sr:MZI-11A  
9/8/89

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MZI-11A Stabilized Temperature Survey on Trips

Depth 1980' 170 F after 5 hr. trip.  
Depth 2100' 130 F after 4 hr. trip  
Depth 2870' 165 F after 8 hr. trip  
Depth 3700' 228 F after 9 hr. trip repair  
Depth 4400' 240 F after 10-1/2 hr. trip  
Depth 4640' 220 F after 5 hr. trip

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