

mud and 2 sks. caustic.

- 3/14/78 Drlg. @ 3625', slope 1/2 deg. @ 3549'. Mud wt. 10.4#, viscosity 34, water loss 8.2 cc's, Ph. 8. Mix 10 sks. Polymer mud, 5 sks. soda ash and 1 sk. paper.
- 3/15/78 Drlg. @ 3875'. Mud wt. 10.2#, viscosity 35, water loss 6.0cc's, Ph. 9.0. Mix 15 sks. Polymer mud, 4 sks. caustic, 5 sks. soda ash & 35 sks. paper.
- 3/16/78 Drlg. @ 4060', slope 1/4 deg. @ 3800', Mud wt. 10.6#, viscosity 35, water loss 6.0 cc's, Ph. 10.0. Mix 15 sks. Polymer mud, 4 sks. caustic and 5 sks. soda ash.
- 3/17/78 Trip @ 4300' in sand and lime. Mud wt. 10.6#, viscosity 35, Ph. 10.0. Mix 5 sks. Polymer mud.
- 3/18/78 Drlg. @ 4390', slope 1/4 deg. @ 4300'. Mud wt. 10.5#, viscosity 35, water loss 9.8 cc's, Ph. 10.0. Mix 25 sks. Polymer mud, 5 sks. soda ash, 5 gals. defoamer & 3 gal. preservative.
- 3/19/78 Drlg. @ 4660', slope 1/4 deg. @ 4589'. Mud Wt. 10.6#, viscosity 35, water loss 7.8 cc's, Ph. 9.0. Mix 5 sks. Polymer mud, 3 sks. soda ash, 2 sks. caustic, 3 gal. preservative.
- 3/20/78 Drlg. @ 4915' Mud wt. 10.6#, viscosity 36, water loss 8 cc's, Ph. 10.0 Mix 3 sks. caustic.
- 3/21/78 Drlg. @ 5105'. Mud wt. 10.7#, viscosity 38, water loss 10.5 cc's, Ph. 10.0. Mix 3 sks. Polymer mud & 3 sks. caustic.
- 3/22/78 Total depth @ 5200'. 11:00 P.M. (MST) 3/21/78 in lime. Prepare to run logs. Slope 1/2 deg. @ 5081', 1 deg. @ 5200', mud wt. 10.7#, viscosity 36, water loss 7.5 cc's, Ph. 10.0. Circulate hole 2 hrs.
- 3/23/78 Ran logs, laid down 21 drill collars, tripped into hole, open ended, circulating.
- 3/24/78 Circulate hole 2-3/4 hr. & displaced Polymer mud into 500 bbl. tanks using 10.1 brine water mud gel. Rigged up Dowell, pumped 50 sks. 50/50 Poz mix 3 w/4% D20 benonite & 4% CaCl. Pump cement plug from 3800' to 3700'. POH & laid down drill collars. Ran 88 joints 5-1/2" 14#/ft. K-55 casing with 12 centralizers shoe & collar & set casing @ 3655'. Centralizers located @ 3635', 3612', 2954', 2828', 2709', 2582', 2502', 2459', 2418', 2400', 2375' & 2334'. Pump 24 bbls. of CW-100 chemical wash followed w/330 sks. 50/50 Poz Mix 3 w/4% D-20 benonite & 4% CaCl. Rubber plug pumped to 3612'. Job complete @ 8:00 A.M. (MST). Released rig at 3:00 P.M. (MST).
- 3/25/78 WOC
- 3/26/78 WOC
- 3/27/78 WOC
- 3/28/78 WOC
- 3/29/78 WOC Test casing to 1000 psi. Pressure held with no leak off at 1000 psi.