

GREAT WESTERN DRILLING COMPANY

SOMBRERO STATE No. 1

DST SUMMARY

9-24-73

- DST NO. 1 10,358' to 10,434'. Upper Kemnitz. Open 32 minutes, gas to surface at a rate of 160 MCFPD. Shut in for 1 hour, open 2 hours, shut in for 2 hours. Recovered 2356' of heavily gas cut oil and mud emulsion. Sample chamber recovery at 1500#, 9.2 CFG plus 1550 cc of oil plus 100 cc of mud. FP 384#-470# (1st flow period), 1 hour SIP 2466#, FP 555-940# (2nd flow period), 2 hour SIP 2170#. HP 5004-5004#.
- DST NO. 2 10,430' to 10,495'. Open 30 minutes with weak blow. Shut in 1 hour. Open 2 hours with weak blow. Shut in 2 hours. Recovered 1507' of water cut mud plus 60' salt water. Sample chamber recovery at 300#, 1300 cc of salt water. FP 175-482# (1st flow period), 1 hour SIP 3910#, FP 614-789# (2nd flow period), 2 hour SIP 2738#. HP 5168-5168#.
- DST NO. 3 11,710' to 11,757'. Open 15 minutes. Shut in 1 hour. Open 1 hour, shut in 2 hours. Ran 1000' of water cushion. Weak blow of air throughout. Recovered 960' of mud cut water cushion plus 310' of water cut mud. FP 554-577# (1st flow period), 1 hour SIP 900#, FP 577-646# (2nd flow period), 2 hour SIP 831#, HP 5836-5836#.
- DST NO. 4 11,818' to 11,862'. Strawn Lime. Ran 1000' water cushion. Open 20 minutes, shut in 70 minutes, open 2½ hours, shut in 3 hours. Gas to surface in 20 minutes on preflow at 100# SFP on ¼" choke. Volume 221 MCFPD. Reversed out 14 barrels of gas cut water cushion plus 30 barrels heavily gas cut mud plus 11 barrels of oil and gas cut mud. Sample chamber recovery was 11.6 CFG at 2200# plus 500 cc of 44° oil plus 600 cc filtrate water. FP 614-745# (1st flow period), 70 minute SIP 3780#, FP 745-1440# (2nd flow period), 3 hour SIP 3432#. HP 5945-5902#.
- DST NO. 5 12,015' to 12,015'. Lower Strawn. Open 15 minutes, shut in 30 minutes, open 30 minutes, shut in 1 hour. Very weak blow throughout. Recovered 1000' water cushion plus 120' mud. Sample chamber recovery was 1400 cc of mud at 90#. FP 394-438# (1st flow period), 30 minute SIP 417#, FP 438-482# (2nd flow period), 1 hour SIP 4171#. HP 5945-5945#.
- DST NO. 6 12,521' to 12,545'. Upper Morrow. Open 30 minutes, good blow increasing to strong. Shut in 1 hour, open 1½ hours with good blow decreasing at end of test, shut in 2 hours.