

# Walterschied #1 Drill Stem Test Results

|      |         |                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7-1  | 7950'   | Drlg. 8 3/4" hole, limestone, (Progress 540 water, 3/4" @ 7854'. (9 5/8" csg. @ 4576')                                                                                                                                                                                                                                                                                                                                        |
| 7-2  |         | Running DST, MW 9.5, Vis 32, Interval of DST #1 (7935 - 8002) Opened tool 2:30 AM. Good blow to surface 30 min. open. No GTS Now SI for 1 hr. Dev. 1" @ 8002'.                                                                                                                                                                                                                                                                |
| 7-3  |         | DST #1 (7935-8002) - 30 min. PF (103#), 60 min. ISI (137#), 120 min. FSI (206#), HP 3797#, IF - strong blow 30 min. - no gas, FF - gas in 12 min. TSTM. Recovered 285 GCDM, 1.6 cu. ft. gas @ 250# - sample chamber no water.                                                                                                                                                                                                 |
| 7-25 | 11,960' | Prep to run DST #2 in 8 3/4" hole (Progress 27') MW 10.2, Vis 34, Wl 5.8, Dev. 2" @ 11,960'. DST #2 (11,825' - 11,960') will be opened this AM.                                                                                                                                                                                                                                                                               |
| 7-26 | 11,975' | Drlg. limestone and shale, (Progress 15') MW 10.2, Vis 34, Wl 5.8, Ran DST #2 (11,281 to 11,969') IHYD 6327#, 30 min. pre flow (1340#) - weak blow decreasing throughout, 60 min. SI (3082#), 60 min. Final Flow (1363#) few bubbles and died, 120 min. SI (3540#) FHYD-6327#, BHT 176°F, Sample chamber 50#, no gas or oil, 2300 cc drlg. mud. Rec. 2000' slightly gas cut water cushion and 450' slightly gas cut drlg. mud |
| 8-2  | 12,312' | Drlg. sand, DST #3 12,090' to 12,303'. 30 min. IF good blow 2487 psi. 1 hour ISIP 5143 psi. 1 hour FFT good blow 3540 psi. Rec. 2000' WC 1128' SIGCM 4200' Saltwater slightly GC, 2 hour FSIP 5143 psi Hyd P 6622 - 6622, Sample recovery 1/2 cu ft. gas, 2000 cc saltwater, press 350 psi BHT 1850.                                                                                                                          |
| 8-10 | 12,460' | Circ and cond hole while waiting on 4 1/2" casing; DST #4 11,934' - 12,000' (Progress 66') straddle, pres, and recovery data. Initial 30' flowing pres. 1438/4103# ISIP 90" 5052#, FSIP 120" 5008#, Final 45" flowing pres 3066/3993#, rec. 2000' wtr, cushion, 193' drlg. mud; sample chamber rec was 13.76 cu. ft. gas, no mud, wtr, or condensate @ 3650#.                                                                 |

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