

DELTA STATE WELL NO. 1

DSTs

- 10,775-815;
- DST #1; 15 Min preflow; good blow incr to strong in 2 mins & stabilized @ 30#; no GTS; SI 1 Hr; TO 1 Hr 2nd Flow - good blow incr to strong in 1 1/2 Mins & stabilize @ 32 psi, decr to 25 psi in 15 Mins, decr to 22 psi in 30 Mins & stabilize thruout remainder of flow; No GTS; SI 2 Hrs FSI; Rel packer & POH; IH 5448; IF 59; ISI 303; FF 46; FSI 367; FH 5423; Rec 95' DF; SC rec 1.2 cu ft air (no smell) @ 2 psi; Temp 175 Deg.
- DST #2; 10,907-11-055; IF (15 Min) Open w/ stg blow on 1/4" choke, incr to very stg blow in 3 Mins; changed to 1/2" choke, had GTS in 6 Mins w/ 350 psi FSP; Stab @ 350 psi to end of flow period (2230 MCFPD)
ISP (60 Min)
2nd FP (60 Min; Open w/ stg blow; FSP 20 - 25 psi on 1/2" choke; fluid to surface 11 Mins., surge gas & wtr for remainder of flow period; FSP 375-400 psi on 1/2" choke; Cl 8000 ppm;
2nd SIP (2 Hrs)
3rd FP (2 Hrs) Open w/ fair blow & incr to strong blow in 5 Mins; FSP 5-30 psi on 1/2" choke; fluid to surface in 75 Mins & made fluid for remainder of test w/ surge of gas, FSP 300-500 psi on 1/2" choke;
Pressures: IH 5551 psi; IF (15 mins) 1291-1612 psi; ISIP (60 Mins) 4204 psi, extrapolated 4250 psi; 2nd FP (60 Mins) 1612 psi - 2292 psi;
2nd SIP (120 Mins) 4139 building, extrapolated 4246;
3rd FP (120 Mins) 1894-2856 psi; FSIP (4 Hrs) 4165 psi bldg., extrapolated 4266;
Rec 5170' salt wtr; 18,800 ppm Cl in middle of recovery; Sampler: 930 psi; 182 Deg F, 4.98 cu ft gas & 1400 cc wtr w/ 23,700 cc Cl; Initial wtr recovery during 2nd flow period has 8000 ppm Cl & 220 ppm nitrates;
- DST #3 PU Lynn test tool; TIH; Set Pkr @ 10,910; Btm 10,936; Open tool; no blow to surface; Tool not working; Rel Pkr; POH w/ test tool; Tool OK; Rec 300' mud + 1000' WC; IF (30 Mins) 583-628;
- DST #4; Set Pkr @ 10,910 & 10,936; Open tool; Starting losing fluid on backside; Hole in DP; Rel Pkr; POH; Hole in XO Sub from DP to DC; Finish POOH; Left Pkr in hole; GIH & will push rubbers to btm; Circulated.
- DST #5; 10,910-10,936 w/ 1000' wtr cushion; PF (15 Mins) Open w/ very weak blow; depleted in 3 Mins., stayed for remainder of FP;
ISIP (1 Hr) Open w/ very weak blow, incr to fair blow in 28 Mins., decr to weak in 39 Mins & stabilized for remainder of test, No GTS.
2nd SI (2 1/2) Picked up tool, had 5 points gain, approx 4000' fl, lowered test tool, set top Pkr @ 10,938 & btm Pkr @ 10,964 for DST #6.
- DST #6; 10,938-10,964; PF (15 Mins) Open tool w; weak blow incre to fair in 2 Mins & incr to strong blow in 3 Mins, from 5 - 15 Mins FSP incr from 1 psi to 11 psi, no GTS; ISIP (1 Hr) GTS, 6 Mins after SI;
2nd FP (3 Hrs) GTS immed, FSP 5 psi on 1/2" choke 5- 25 Mins, FSP 20 psi & decr to 6 psi in 30 Mins., wtr cushion to surface, FSP 60 psi 30-150 Mins., slugging hvy wtr cushion drlg mud & formation wtr; FSP incr from 60 psi to Max 220 psi then decr to 60 psi, wtr tested 10,3000 ppm Cl & 15 ppm nitrates at end of 150 mins., from 150 - 180 min flowing dry gas, FSP 20 psi;
FSIP (6 Hrs) POH w/ test tool.