

ETCHEVERRY UNIT NO. 1 WELL - FELMONT OIL CORPORATION - LEA COUNTY, N. M.

- DST NO. 1 - 9690-9740' Open 1 hour, weak blow air and died in 15min; re-opened tool, weak blow 12 mins. and died; rec. 30' drlg mud, NS; ISIP/30 min. did not record; FSIP 1730#/30 mins; I&FFP 0; HPI&O 4530#; BH temp 170 deg.
- DST NO. 2 - 11,601-673' Press up DP w/nitro gas to 1000#; op 5:46 AM for build up, op 14 min, no increase in press @ surf; by-passed test tool & re-opened @ 6:03 AM; no increase in press in 5 mins; started bleeding press off on 1/4" ck @ 6:08 AM; no gas or fluid to surf; op 2 hrs - shut in @ 7:46 for 15 min SIP; rec 35' heavy GCM and 1/2 pint free oil; nitro press build up 1730#, IFP 0-80#, FFP 80#, SIP 220#/15 min, BH temp 154 deg; HPI 5160#, HPO 4740#, positive test; lost mud into formation during test; ran DP & bit in hole, broke circulation @ 5400' and 10,000'.
- DST NO. 3 - 12,820-892' - press up DP w/nitrogen to 700#; tool op 7:49 AM; press increased to 850# in 3 mins; pkr seat failed; closed tool; reset pkrs; reopened tool; nitrogen press. increased to 1350#; pkr seat failed; unseated pkr; closed tool; bled off nitrogen press; pulled test tool: MISRUN HII 5860#; HPO 5820#; circ & conditioned hole for 6 hrs for retest; DST #3-A 12,834-892' - press up DP w/nitrogen gas to 1125#; tool closed at 7:51 AM for 15 min buildup; no increase in nitrogen press; op choke @ 8:07 AM; press bled down from 1125# to 0# in 75 mins; tool closed @ 9:21 AM for 30 min buildup; no gas or fluid to surface; rec 50' sli gas cut drlg mud, no wtr; flowing press 310-780#; 15 min SI press (nitrogen gas) 1920#; 30 min final SI press 1220#; 30 min final SI press 1220# (still increasing) HPI 5840#; HPO 5760#; BH temp 218 deg.
- DST NO. 4 - 14,275-14,376' - Used 2000# nitrogen blanket w/650# press. Tool open 2 1/2 hrs, had strong blow decreasing to fair blow in 45 mins. throughout test. Had 640# press on blanket valve. Encountered natural gas upon bleeding off 440# press (had 200# natural gas to bleed off). Rec 60' gas cut drlg mud; 30 min ISIP 2840#; IFP 950#/FFP 940#; 30 min FSIP 1450# (Still increasing) HP 6510-6570#; BH Temp. 250 deg.
- DST NO. 5 - 14,788-842' - 2500' nitrogen blanket; tool open 1 hr. very strong blow of air initially; died in 30 mins; Rec 360' drlg mud, 450' mud cut salt water and 1720' black brackish salt water, 18,000 PPM chlorides, pit mud 1,000 PPM; HPI 6785#; HPO 6780#; ISIP 30 mins. 5900, FP 3220, FSIP 30 min. 5895; found nitrolgen valve had plugged after tool had been open 10 mins.