

PENNZOIL COMPANY

HOBBS OFFICE O.C.C.

Gallagher-State No.

JAN 19 11 51 AM '67

Sec. 3, T-17-S, R-34-E,

Lea County, New Mexico

DRILLSTEM TEST DATA

- 12-27-66: DST #1: 9917' to 9968'. 15 min pre flow. Weak blow and died in 15 minutes. 1 hr ISIP, 1 hr test, no blow, 1 hr FSIP. Recovered 40' DF; ISIP 3511#; FSIP 2857#; IF 0#; FF 46#; HI & HO 4923#.
- 12-29-66: DST #2: 10,115-10,173'. 10 minute pre flow, 1 hr ISIP, 1½ hr test, 1½ hr FSIP. Weak blow throughout test. Recovered 280' salt water cut mud + 90' mud cut salt water; ISIP 3871#; FSIP 3826#; IF 46#; FF 208#; HI 5079#; HO 5101#.
- 12-30-66: DST #3: 10,245-10,293'. 10 minute pre flow, fair blow. 1 hr ISIP, 2 hr test, 2 hr FSIP. Recovered 2880' gas, 10' HOCM, 90' HOC&WCM, 180' WCM, 30' SW. HI & HO 5257#; ISIP 417#; FSIP 742#; IF 92#, FF 185#.
- 1-3-67: DST #4: 10,675-10,703'. 10 min pre flow, strong blow. Tool open 6 hrs. Oil to surface in 1 hr & 22 minutes including 10 min pre flow. Flwd for 3 hrs on 1" choke @ rate of 25 BOPH w/120# surface flowing pressure. On 1/2" choke well flwd for 1 hr & 40 minutes @ rate of 20 BOPH w/330# surface flwg pressure. Shut in for 4 hrs. 1 hr ISIP, 4 hr FSIP, 6 hr test, good blow, GTS in 10 mins. estimated 187,000 cfpd, oil to surface in 1 hr & 22 mins, flwd 3 hrs on 1" choke, surface flwg pressure 120#. 1st hr - 28.56 BO, 2nd hr - 19.68 BO, 3rd hr - 22.22 BO, GOR 922. Flwd 1 hr & 40 mins on 1/2" choke, surface flowing pressure 330#. 1st hr - 16.49 BO, last 40 mins 14.07 BO, GOR 448. Unloaded 7.93 BO after closing tool, reversed out 16 BO. Total recovery 124.95 BO. ISIP 4140#; FSIP 4140#; IF 974#; FF 1453#; HI & HO 5339#, Oil gravity 40 degrees.
- 1-4-67: DST #5: 10,710-10,733'. 10 min pre flow, weak blow. 1 hr ISIP, 2 hr test, 2 hr FSIP. Recovered 720' gas, 10' mud, 1 pint oil, ISIP 239#; FSIP 479#; IF 48#, FF 48#; HI & HO 5377#.