

D.S.T. # 3, 10,620' - 10,735'

Preflow & ISI failed. Tool open 4 hrs. w/good blow, GTS in 25 mins.

<u>Time</u>	<u>Choke</u>	<u>Surface Pressure</u>	<u>Rate</u>
60 mins.	1/4"	100 psig	166 MCF/D
120	1/4"	180	284
180	1/4"	213	332
240	1/4"	237	368

Tool shut in 4 hrs. Recovered 625' of heavy gas cut mud. IHP 5705, IFP 300, FFP 665 (4 hrs.), FSIP 4550 (4 hrs. & still building), FHP - 5600.

D.S.T. # 4, 10,834' - 10,870'

Tool open initially for 20 mins. w/fair blow, shut in 1 hr., reopened 1 hr. w/fair blow, shut in 2 hrs. Recovered 70' of mud - no show of oil, gas, or water. IHP 5801, Preflow 87, ISIP 437, IFP 87, FFP 87, FSIP 2626 (2 hrs.), FHP 5801.

D.S.T. # 5, 10,853' - 10,955' (Straddle Packer Test)

Tool open 20 mins. w/10 psig on 1/4" ck., shut in 67 mins., GTS 12 mins. after shut in, tool open 30 mins., stabilized @ 2 psig on 1/4" ck., gas TSTM. Shut in 1 hr. Recovered 90' drilling mud. IHP 5862, PFP 99 - 133, ISIP 4292 & building, IFP 133, FFP 166, FSIP 4050 & building, FHP 5862.

D.S.T. # 6, 9895' - 9997'

Shut in tool leaking while setting packers, GTS immediately, leak thru shut in tool for 15 mins. at 490 MCF/D. Moved tool to open position for 15 mins., rate increased to 1210 MCF/D on 1/4" ck. w/815 psig. Moved tool to shut in position, but did not close tool. Mud to surface in 5 mins., gas rate increased to 3350 MCF/D on 1/2" ck. w/535# in 1-3/4 hrs. after setting packers. In 2 hrs. had 3350 MCF/D on 1/2" ck. w/53 psig. In 3 hrs. 3550 MCF/D on 1/2" ck. w/565 psig. In 3-3/4 hrs. 3820 MCF/D on 1/2" ck. with 610 psig. Very heavy mist of liquid at surface. Shut in & unseated packers. Reversed out 10 bbls. of 54 deg. API @ 60 deg.F distillate. IHP 5383, ISIP - failed, FFP 3513 @ 3-3/4 hrs., FHP 5348.

D.S.T. # 7, 9776' - 9878'

Shut in tool failed, pulled drill pipe.

**RECEIVED**

SEP 14 1973

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO