

SE LEA UNIT #1  
Lea County, New Mexico

Summary of Drillstem Tests

- 9-15-67: DST #1 - 7974-8055' - Op. 10' for pre flo - SI 1 hr. for ISI. Op. 1 hr w/gd. blo air, died in 17". SI 1 hr. for FSI. Rec. 120' SI.O&GCM. 60" ISIP-455#, FP-107-133#, 60" FSIP-391#, IHP & FHP-3596#, BHT-124°. (Tentative top Bone Spring @ 7970' (-4272)).
- DST #2: - 8490'-8615' 2-Hr. ISI. Op. 3 hrs w/gd. blo - dec. to weak @ EDT. Rec. 1500' Gas in D.P., 30' Mud w/trc. Oil. 120" ISIP-337#, FP-82#, 120" FSIP-273#, HP-3829#, BHT-130°.
- 9-25-67: DST #3: - 9340'-9420' - Op. 10" for pre flo - weak blo & died in 7". SI 60" for ISIP - re-op. tool for 30" w/weak blo - died in 5". Closed tool in 60" for FSIP - Rec. 40' DM - NS. 60" ISIP-256#, FP-64-77#, 60" FSIP-231#, HP-3349#, BHT-135°.
- 10-11-67: DST #4: - 11,330' - 11,430' - 10" pre flo, GTS-2", F1/6". Flwd. to pits for final 2" of 10" pre flo - est. rate 20 MMCFPD on 1" ck. SI for ISI tst. for 77". Re-op tool - 12/64" ck - had 4100# Surf. FP - flwd. gas @ rate of 3 MMCFPD + 23 Bbls. 51° Gr. Cond. during 1st hr. Flwd. another hr. on 16/64" ck - 3800# Surf. Press., flwd. 51 bbls. Cond. - Gas @ rate of 5.3 MMCFPD. 2-Hr. SIP. R/O 36 bbls. Cond. from D.P. 77" ISIP-6502#, 120" FSIP-6502#, IFP-5285#, FFP-6502#, IHP-7377#, FHP-7358#, BHT-158°. BH Sample - GOR: 5025/1.
- 10-13-67: DST #5: - 11,432' - 11,530' - Took 7" pre flo, GTS/2", flwd. Cond/3". Flwd. to pit 4" & SI. During 4" Flo., surf. press stabilized @ 1200# thru 1" Ck. w/calculated GV-30 MMCFPD. SI 60" for Init. BHP. Op. on 14/64" ck., surf. press-4000#, flwd. to tanks for 2 hrs. Flwd. 140 bbls. 55° C.G. Cond. & Gas @ rate of 3.8 MMCFPD. 60" ISIP-6616#, 120" FSIP-6616#, IFP-6141#, FFP-6616#, IHP-& FHP-7434#, BHT-158°.
- 11-30-67: DST #1 - Top Pkr @ 12,040' ( 2 jts. up in 7" esng. from bttm. of esng. @12,090') (Straddle Pkr.) Bttm. Pkr. @ 12,110' (20" down in op. hole) 3,000' wtr. blanket. Op. tool 60", weak blo & died, pulled tool - rec. 90' GCM. Init. Press-7092#. 60" FP-1710-1766#, HP-8546, BHT-164°.
- 12-7-67: DST #6: - 12,160-12,260' - Tool op. for 10" pre flo w/weak blo air. Tool closed 60" for ISI. Re-op. tool w/weak blo air - died in 26". Had tool op. 58" - closed 60" for FSI. Rec. 2,000' SI. GCWB, 140' SGCM, NSD. 1/10 of a C.F. of gas in tool chamber. 60" ISIP-1837#, 60" FSIP-1266# (Bldg.), IFP & FFP-1026#, IHP-8374#, FHP-8316#, BHT-160°.
- 12-8-67: DST #7:- 12,806'-12,911' - Used 2,000 WB. Op. tool 10" for pre flo - good blo. Closed 60" for ISI. Op. tool - WB/15", G/20". Cleaned to pit for 25". Flwd. to tanks 8 hrs - rec. 105 bbl. 60" (C.G.) Condensate. GV-1,530 MCF dec. to 1,300 MCF. Flwg. thru 16/64" surf. ck. TP-700# dec. to 625#. GOR:4900/1 @ daily rate of 264 BOPD. (Est.) Tried to R/O circ. tool - tool plgd. Rec. 370' HG& Cond. cut mud belo circ. tool - no wtr in tst tool - 165 cc Cond in tst tool, 11.1 CFG, BHT-164°. 60" ISIP-6770#, 8-hr.& 40" FP-1401# - 1766#. 2-Hr. FSIP-5345#, HP In - 8430# FHP-8158#.
- 12-13-67: DST #8: 12,940'-13,044' - Pkr. failed. Pulled up - R/O 3000" WB & 6940' mud.
- 12-14-67: DST #9: 13,000' - 13,044' - Pkr failed
- 12-16-67: DST #10: 13,030'-13,080' - Mis run
- 12-17-67: DST #11: 13,030'-13,080' - Op. tool 10" for pre flo - weak blo. Closed for 60" ISIP - re-op. for 2 hrs. - weak blo, died in 30". Closed 2 hrs for FSIP. Rec. 3,000' GCWB, 60' D.M., no wtr., no oil. 60" ISIP-2683#, 120" FSIP-2368#, IFP & FFP-1492#, IHP-8669#, FHP-8442#, BHT-174°
- 2-20-68: DST #12 14,515'-14,644' - Op. 20" for pre flo, gd. blo air, closed 60" for ISIP - re-op. 2 hrs. GTS/50" TSTM (20" pre flo & 30" flo). Closed 2 Hrs. for FSIP. Rec. 35 bbls. 53 Gr. O, corr. @ 60°, + 250' HO&GCM. 60" ISIP-6037#, IFP-326#, FFP-2554#, 120" FSIP-5842#, IHP-6959#, FHP-5842#, BHT-210°.