

DRILL STEM TESTS CONTINUED

No.	Date	From	To	No. Kind & Size of Perf. (or open hole)	Tool Set #	Chokes		Water Cushion	Time Tested
						Top	Bottom		
6.	10-16-56	8010	8031	Open Hole	8010	5/8	1"	None	3 hrs.
(Penn) Gas to surf. in 21 mins. 39 MCF/day. Rec. 800' of heavy oil & gas cut mud, no wtr. SFP 4#, BHFP 375#, 30 min. SIP 1985#, HH 4616-4430#.									
7..	10-18-56	8010	8039	Open Hole	8010	5/8	1"	None	3 1/2 hrs.
(Penn) Gas to surf. in 17 mins., 94.5 MCF/day. Rec. 1000' of oil & gas cut drlg. mud, no wtr. SFP 20#, BHFP 180#. No build up, clock out. HH 4300-4445#.									
8.	10-22-56	8039	8084	Open Hole	8039	5/8	1"	None	3 hrs.
(Penn) NTS, Rec. 20' drlg. mud, no show. SFP 0#, BHFP 145#, 30 min. 270#, HH 4675-4545#.									
9.	10-27-56	8140	8177	Open Hole	8140	5/8	1"	None	1 hr.
(Woodford) NTS, Rec. 12' of drlg. mud, NS. All press. 0#, HH 4634-4460#.									
10.	10-30-56	8249	8270	Open Hole	8249	5/8	1"	None	1 hr.
(Devonian) NTS, Rec. 10' drlg. mud, NS. All press. 0#, HH 4470# in & out.									
11.	11-1-56	8272	8312	Open Hole	8272	5/8	1"	None	1 1/2 hrs.
(Devonian) NTS, Rec. 20' drlg. mud, No shows oil, gas, or water. All press. 0#. HH 4645-4645#.									
12.	11-3-56	8312	8332	Open Hole	8312	5/8	1"	None	3 hrs.
(Devonian) NTS, Rec. 630' of gas & mud cut salt wtr. SFP 0#, BHFP 280#, 30 min. SIP 2985#.									
13.	11-6-56	8400	8439	Open Hole	8400	5/8	1"	None	2 1/2 hrs.
(Devonian) NTS, Rec. 4572' of salt wtr., no oil or gas. SFP 0#, BHFP 2105#, 30 min. SIP 3095#, HH 4880-4650#.									
14.	11-11-56	8638	8658	Open Hole	8638	5/8	1"	None	1 hr.
(Ellen) NTS, Rec. 30' of drlg. mud, N.S. SFP 0#, BHFP 0#, 15 min. SIP 2085#, HH 4880-4795#.									
Set Whipstock @ 6979'									
1.	2-5-57	7985	8011	Open Hole	7985	5/8	1"	None	
(Lower Penn) Packers failed immediately.									
2.	2-6-57	7960	8011	Open Hole	7960	5/8	1"	None	1 hr.
(Lower Penn) Nothing to surface. Recovered 15' of drilling mud - no shows. All pressures 0#. HH - 4425-4325#.									
3.	2-10-57	8035	8063	Open Hole	8035	5/8	1"	None	3 hrs.
(Lower Penn) Nothing to surface. Recovered 100' slightly gas cut drilling mud. SFP: 0#, BHFP 60-60#, 30 minutes SIP 645#, HH 4390-4010#.									
4.	2-12-57	8034	8084	Open Hole	8034	5/8	1"	None	2 1/2 hrs.
(Penn) Nothing to surface. Recovered 360' very slight cut drilling mud. SFP 0#, BHFP 60-240#, 30 minutes SIP - no record. HH 4340-4310#.									

ACIDIZING OR OTHER COMPLETION OPERATIONS

- 11-20-56 - Western Acid Perf. 8014-8054, w/2000 gals. 15% XIST, 20 mins. 24 BPM. TP 2000-3100#, 5 min. SIP 2500#. Swbd. 31 BLO (all) in 4 hrs. Swbd. 15 BAW in 2 hrs., slight show of gas.
- 11-22-56 - Western Re-Acid. Perf. 8014-8054, w/6000 gals. 15% XIST, 35 min. 4.1 BPM, TP 4000-4700, 5 min. SIP 3350#. Swbd. 31 BLO (all) in 2 hrs. Slight Show of Gas.
- 11-24-56 - Howco, Sand Oil Frac. Perf. 8014-8054 w/15,000 gals. oil / 9200# sand. 67 mins., 7 BPM. TP 6400-5500#, 5 min. S/D press 3800#. Let-set 8 hrs. TP 2200#. Swbd. & Fl. 244 BLO / 14 BAW in 32 hrs. Swbd 73 BLO / 16 BAW in 39 hrs. Fair show Gas. Dit not recover 254BU
- 11-27-56 Western Acid Perf. 8014-8054, w/5000 Gals. Oil / 250 Gals. Central Flow. 7 BPM, TP 2200-3100#, 5 min. s/D press. 2900#. Well shut in 4 hrs. No Vac. Well shut in 8 hrs TP Vac. Swbd. 167 BLO in 68 hrs. SS of Gas. Did Not recover 278 BLO.

ACIDIZING OR OTHER COMPLETION OPERATIONS CONTINUED

- 12-1-57 Howco Sand Oil Frac. Perf. 8014-8054, w/30,000 Gals. down 2 $\frac{1}{2}$ " tbg. TP 6200-6800#, 6 1/2 BPM, 5 min. SIP 4100#, SI 9 hrs. TP 3300#. Fl 112 BLO in 6 hrs., 3/4" Choke & died. Swbd. 226 BLO in 39 hrs. SS of gas. Did not recover 875 BLO.
- 12-4-56 Western Acid. Perf. 7965-7982, w/2000 Gals. 15% TP 3200-3700#. 10 min. SIP 3100# 1.33 BPM. Swbd 104 BLO (all) \neq 40 BAW in 10 hrs. Fair Show of Gas.
- 12-5-56 Acid Perf. 7965-7982, w/5000 Gals. XIST, TP 2300-4000#, CP 800#, 4 BPM. Swbd 108 BLO \neq 55 BAW in 63 hrs. Fair Show of Gas. Did not recover 752 BLO.

RECORDS OF THE BOARD OF HEALTH

12-1-26
Korose Sam Oll Fred. 301A-102A, w/30,000 Gals. down 2 1/2" fbg. TP 3200-3700A,
6 1/2 PM, 5 min. SIP 1100A, SI 9 hrs. TP 3300A. FI 112 H2O in 6 hrs., 3 1/2" down
& dia. 2 1/2". 228 H2O in 59 hrs. 82 of gas. Did not recover 228 H2O.

12-4-26
Korose Sam Oll Fred. 301A-102A, w/30,000 Gals. down 2 1/2" fbg. TP 3200-3700A,
1.23 PM. 228 H2O in 59 hrs. (all) & 40 HAW in 10 hrs. Fair show of gas.

12-5-26
Korose Sam Oll Fred. 301A-102A, w/30,000 Gals. down 2 1/2" fbg. TP 3200-3700A,
1.10 & 22 HAW in 69 hrs. Fair show of gas. Did not recover 228 H2O.