

DRILL STEM TESTS

<u>NO.</u>	<u>DATE</u>	<u>FROM</u>	<u>TO</u>	<u>OPEN HOLE</u>	<u>TOOL SET @</u>	<u>CHOKES</u> <u>TOP</u> <u>BOTTOM</u>	<u>WATER</u> <u>CUSHION</u>	<u>TIME</u> <u>TESTED</u>
1	6-7-53	8315	8397	Open Hole	8315	1" 5/8"	None	2 1/4 Hours.
(Wolfcamp). Used 2 packers. Gas to surface in 22 min. TSTM. Rec. 390' heavy oil & GCM. Closed 1 1/2 Hrs. BHFP: 1800#. HH: 4650# in & out.								
2	6-9-53	8397	8430	Open Hole	8397	1" 5/8"	None	1 Hour.
(Permo. Penn). Used 2 packers. Nothing to surface. Rec. 50' very slightly oil & GCM. All Pressures: 0#. HH: 4550# in & out.								
3	6-14-53	8430	8480	Open Hole	8430	1" 5/8"	None	1 Hour.
(Wolfcamp). Used 2 packers. Nothing to surface. Rec. 30' drlg. mud, no show. SFP: 0#. Closed 25 min. BHFP: 900#, by-passed tool - would not open.								
4	7-15-53	9641	9751	Open Hole	9641	1" 5/8"	None	1 1/2 Hours.
(Penn.). Used 2 packers. Nothing to surface. Rec. 300' drlg. mud plus 860' sulphur water. SFP: Zero. BHFP: 300 - 600#. Closed 15 min. SIP: 2850#. HH: 4775# in & out.								
5	7-19-53	9751	9801	Open Hole	9751	1" 5/8"	None	1/4 Hour.
(Penn.). Used 2 packers. Nothing to surface. No recovery. Pressures: 0#. Packer gave way 30 min.								
6	7-28-53	10185	10207	Open Hole	10185	1" 5/8"	None	40 Min.
(Penn.). Used 2 packers. Packer gave way in 40 min. Nothing to surface. Rec. 2250' drlg. mud, no show. SFP: 0. BHFP: 0. SIP: Not recorded. HH: 5150# in & out.								
7	8-16-53	10545	10604	Open Hole	10545	1" 5/8"	None	1 Hours.
(Basil Penn.). Used 2 packers. Nothing to surface. Rec. 40' drlg. mud, no show. SFP: 0. BHFP: 60#. Closed 15 min. SIP: 175#. HH: 5280# in & out.								

DEVIATION SURVEY

DEPTH	DEGREES OFF VERTICAL	DEPTH	DEGREES OFF VERTICAL	DEPTH	DEGREES OFF VERTICAL
1760	1/2	7860	2-1/2	9801	7
3145	0	8189	2-1/4	9930	7-1/2
3434	1/2	8301	2-1/2	9951	7-3/4
3800	1	8397	2-1/4	9990	7
4475	2	8583	2	10021	7-1/2
5028	2-1/4	8828	2-1/4	10134	8-1/2
5918	2-1/2	9126	3-1/4	10172	8-1/4
6153	2-1/4	9315	5	19242	9
6515	2-3/4	9484	6	10282	9-1/2
6815	2-1/2	9520	5-3/4	10333	9
6905	2-3/4	9552	6	10392	8-1/4
6988	2-1/2	9595	6-3/4	10415	8
7403	3	9633	7	10556	7-1/2
7475	3-1/4	9651	7-1/2	10588	7
7754	3	9689	7		

ACIDIZING

8-27-53	Chemical Process Co. Acidized Perf's. 8413 to 8440 w/500 Gals. Mud Acid. Time: 22 min. Inj. Rate: 1/2 BPM. TP: 3000 - 3200 - 2600#. Swabbed 34 BLO plus 12 BAW in 8 hrs., 2 bbls. FO in 4 hrs. slight show of gas behind swab.
8-27-53	Chemical Process Co. Re-acidized perfs. 8413 to 8440 w/1000 Gals. 20% LST. Time: 11 min. Inj. Rate: 2 BPM. TP: 2000 - 2800#. Swabbed 30 BLO plus 5 BAW in 4 hrs. 5000' FIH. 4 BLO & 19 BAW to recover. No shows.
8-30-53	Chemical Process Co. Re-acidized perfs. 8413 to 8440 w/3000 Gals. 20% LST. Time: 25 min. Inj. Rate: 3 BPM. TP: 1600 - 300#. Swabbed 34 BLO (All) plus 62 BAW in 12 hrs. Swabbed 10 BAW (All) in 4 hrs., dry in 2 hrs.
8-30-53	Chemical Process Co. Re-acidized perfs. 8413 to 8440 w/600 Gals. 20% LST. Time: 43 min. Inj. Rate: 3 BPM. TP: 2500 - 3200 - 3150. Swabbed 34 BLO plus 124 BAW in 18 hrs. Leak in tubing, pulled tubing & packer, tested collars for leaks. 20 BAW to recover. Good show of gas, 4000' FIH. Found leak, re-ran tubing w/packer @ 8140'. Swabbed 34 BLO (All) plus 16 BAW in 4 hrs. w/e 35% AW. 3000' FIH.
9-1-53	Chemical Process Co. Re-acidized perfs. 8413 to 8440 w/15000 Gals. 20% LST. Time: 70 min. Inj. Rate: 5.1 BPM. TP: 2500 - 4200#. Swabbed 34 BLO plus 83 BAW in 9 hrs. 5000 FIH. No shows. 277 BAW to recover.
9-7-53	Chemical Process Co. Acidized perfs. 8302 - 8328 w/500 Gals. Mud Acid. Time: 12 min. Inj. Rate: 1 BPM. TP: 3000 - 2800#. Swabbed 33 BLO in 3 hrs. 5 1/2 BAW in 8 hrs. dry in 6 hrs.

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