

DRILL STEM TESTS

NO.	DATE	FROM	TO	OPEN HOLE	TOOL SET	CHONES TOP	BOTTOM	WATER GUSHION	TIME TESTED
1	10-10-54	9338	9388	Open Hole	9338	1" 5/8"		None	2 Hours.
(Wolfcamp). Used 2 packers. Gas to surface in 1 hr. & 10 min. Too small to measure. Rec. 350' free oil (Grav. 43.5) + 540' heavy oil & gas cut drlg. mud. SFP: 0#. BHFP: 0 - 230#. Closed 15 min. SIP: 1415#. HH: 4325 - 4265#.									
2	10-11-54	9387	9450	Open Hole	9387	1" 5/8"		None	2 Hours.
(Wolfcamp). Used 2 packers. Gas to surface in 1 hr. & 55 min. Too small to measure. Rec. 180' free oil (Grav. 43.5) + 360' heavy oil & gas cut drlg. mud. SFP: 0#. SHFP: 185#. Closed 15 min. SIP: 930#. HH: 4420 - 4330#.									

DEVIATION SURVEY

DEPTH	DEGREES OFF VERTICAL	DEPTH	DEGREES OFF VERTICAL	DEPTH	DEGREES OFF VERTICAL
476	1/2	5622	1/2	6600	1
2800	3/4	5760	1/8	7506	3/4
3960	1	5828	1/4	7600	1
4370	3/4	5915	3/4	7670	1-1/4
4499	1	6200	1/2	7730	1-1/2
4606	1-1/4	6300	1	8400	2
4625	1/2	6420	1/2	8960	1-1/2
5015	1/4	6519	3/4	9140	2

ACIDIZING RECORD

- 10-17-54: Cardinal acidized perf's. 9402 - 9417 w/500 gals. mud acid. Time: 12 min. Inj. Rate: 1 BPM. TP: 3900 - 2950 - 4200#. CP: Packer. Swabbed 37 BLO (All) in 3 hrs. Swabbed 24 BFO + 12 BAW (All) in 7 hrs. 600' FIH. Fair show of gas. s/e 6% BS. Last hour 7 bbls.
- 10-17-54: Cardinal acidized perf's. 9402 - 9417 w/1000 gals. 15% regular. Time: 9 min. Inj. Rate: 2.6 BPM. 23 bbls. in formation before pressure. TP: 0 - 500#. CP: Packer. Swabbed 37 BLO (All) in 6 hrs. Swabbed 22 BFO + 18 BAW in 8 hrs. 600' FIH. Gas weak. s/e 1% BS, .5% AW. Last hour 4 bbls.
- 10-19-54: Cardinal acidized perf's. 9350 - 9375 w/2000 gals. 15% LT acid. Time: 30 min. Inj. Rate: 1.6 BPM. TP: 3000 - 1200 - 3100#. 5 min. S/D Pressure: 2000#. Swabbed 9 1/2 BLO in 1 hr. Swabbed 76 BFO + 8 BAW in 11 hrs. s/e 6/10 of 1% AW, 1% BS. 1000' FIH. Gassing behind swab.
- 10-19-54: Cardinal acidized perf's. 9350 - 9375 w/5000 Gals. 15% 1ST Acid. Time: 24 min. Inj. Rate: 5 BPM. TP: 2700 - 4100#. CP: Packer. Swabbed 37 BLO (All) in 3 hrs. Swabbed 20 BFO + 25 BAW in 6 hrs. 8 bbls. last hr. s/e 48% AW, 2% BS. 1500' FIH. Gassing behind swab.

10-17-54:	Cardinal solidified port's. 9350 - 9350 w/5000 gals. 15% regular. Time: 30 min. Int. Rate: 1.6 RPM. TP: 3000 - 1000. S/D Pressure: 3000. Swapped 9/2 in 1 hr. Swapped 10/2 + 8 BAW in 11 hrs. a/o 6/10 of 12 AW. 12 B2. 1000' PIM. Gassing behind swap.
10-17-54:	Cardinal solidified port's. 9350 - 9350 w/5000 gals. 15% regular. Time: 30 min. Int. Rate: 1.6 RPM. TP: 3000 - 1000. S/D Pressure: 3000. Swapped 9/2 in 1 hr. Swapped 10/2 + 8 BAW in 11 hrs. a/o 6/10 of 12 AW. 12 B2. 1000' PIM. Gassing behind swap.
10-17-54:	Cardinal solidified port's. 9350 - 9350 w/5000 gals. 15% regular. Time: 30 min. Int. Rate: 1.6 RPM. TP: 3000 - 1000. S/D Pressure: 3000. Swapped 9/2 in 1 hr. Swapped 10/2 + 8 BAW in 11 hrs. a/o 6/10 of 12 AW. 12 B2. 1000' PIM. Gassing behind swap.
10-17-54:	Cardinal solidified port's. 9350 - 9350 w/5000 gals. 15% regular. Time: 30 min. Int. Rate: 1.6 RPM. TP: 3000 - 1000. S/D Pressure: 3000. Swapped 9/2 in 1 hr. Swapped 10/2 + 8 BAW in 11 hrs. a/o 6/10 of 12 AW. 12 B2. 1000' PIM. Gassing behind swap.