

DRILL STEM TESTS

NO.	DATE	FROM	TO	OPEN HOLE	TOOL SET @	CHOKES TOP	CHOKES BOTTOM	WATER CONDITION	TIME TASTED	REMARKS
1	7-6-53	6090	6140	Open Hole	6090	1"	5/8"	None	2 1/2 Hours.	(Glorietta). Used 2 packers. Gas to surface in 26 min. Too small to measure. Rec. 1200' heavy oil & gas cut drlg. mud. Fair gas blow throughout test. SFP: 0%. BHFP: 180 - 300%. Closed 15 min. SIP: 940%. HH: 3210 - 3160%.
2	7-7-53	6140	6190	Open Hole	6140	1"	5/8"	None	2 Hours.	(Glorietta). Used 2 packers. Gas to surface in 35 min. Too small to measure. Rec. 350' heavy oil & gas cut mud. Fair blow throughout test. SFP: 0%. BHFP: 165 - 240%. Closed 15 min. SIP: 320%. HH: 3055 - 3025%.
3	7-8-53	6190	6250	Open Hole	6190	1"	5/8"	None	2 Hours.	(Glorietta). Used 2 packers. Gas to surface in 1 hr. & 10 min. Too small to measure. Rec. 300' heavy oil & gas cut mud. Fair gas blow throughout test. SFP: 0%. BHFP: 100 - 230%. Closed 15 min. SIP: 830%. HH: 3210 - 3180%.
4	7-9-53	6249	6331	Open Hole	6249	1"	5/8"	None	2 1/2 Hours.	(Glorietta). Used 2 packers. Nothing to surface. Rec. 660' oil & gas cut mud. SFP: 0%. BHFP: 260%. Closed 15 min. SIP: 400%. HH: 3310 - 3275%.
5	7-10-53	6331	6381	Open Hole	6331	1"	5/8"	None	1 Hour.	(Paddock). Used 2 packers. Nothing to surface. Rec. 600' slightly gas cut saltwater. SFP: 0%. BHFP: 95 - 480%. Closed 15 min. SIP: 2140%. HH: 3110 - 3265%.

ACIDIZING

- 10-19-53: Cardinal Chemical Acidized Perf's. 8418 - 8430 w/500 Gals. Mud Acid. Time: 12 min. Inj. Rate: 1 BPM. TP: 2900 - 2600%. CP: 1000%. Swabbed 31 BLO (All), 20 BFO, 12 BAW in 9 hrs. Increase in Gas.
- 10-20-53: Cardinal Chemical Re-acidized Perf's. 8418 - 8430 w/1000 Gals. 20% LST. Time: 9 min. Inj. Rate: 2.3 BPM. TP: 2000 - 2400 - 2700%. CP: 1000%. Swabbed 15 BLO in 1 hr. Flowed 16 BLO (All), 30 BFO, 15 BAW in 2 hrs. 3/4" choke. Flowed 53 BFO, 9 BAW (All) in 5 hrs. 23/64" choke. TP: 200 - 175%. 12 bbls. last hour. OOR: 1595/l. Gravity 37.6 s/o .4% BS, no water.
- 10-21-53: Cardinal Chemical Acidized Perf's. 8383 - 8390; 8394 - 8402 w/500 Gals. Mud Acid. Time: 14 min. Inj. Rate: .8 BPM. TP: 3100 - 2300%. Swabbed 32 BLO (All) in 3 hrs. 6 BAW 4 hrs. Dry 2 hrs. 6 BAW to recover. No shows of gas or oil.
- 10-22-53: Cardinal Chemical Re-acidized Perf's. 8383 - 8390; 8394 - 8402 w/1000 Gals. 20% LST. Time: 17 min. Inj. Rate: 1.5 BPM. TP: 2300 - 2750%. Swabbed 32 BLO in 4 hrs. 10 BAW in 4 hrs. 20 BAW to recover. Dry last hour. No Gas.
- 10-22-53: Cardinal Chemical Re-acidized Perf's. 8383 - 8390; 8394 - 8402 w/2000 Gals. 20% LST. Time: 34 min. Inj. Rate: 1.4 BPM. TP: 1900 - 2900%. CP: 560 - 1000%. Swabbed 32 BLO (All) in 3 hrs. 35 BAW in 9 hrs. Dry in 8 hrs. No Gas. 33 BAW to recover.
- 10-23-53: Cardinal Chemical Re-acidized Perf's. 8383 - 8390; 8394 - 8402 w/4000 Gals. 20% LST. Time: 60 min. Inj. Rate: 1.6 BPM. TP: 2200 - 2600%. CP: 500%. Swabbed 28 BLO 29.8 BAW in 3 hrs. Last hour 12.40 bbls. w/o 100% Acid Water. Swabbed 1 BLO, 1 BAW in 1 hr. Flowed 3 BLO, 55 BFO, 15 BAW in 3 hrs. thru 13/64" choke. TP: 150%. Flowed 78 BFO, 10 BAW in 6 hrs. thru 3/4" choke. TP: 50%. CP: Packer. s/o 1% AW, 1% BS.

DEVIATION SURVEY

DEPTH	DEGREES OFF VERTICAL	DEPTH	DEGREES OFF VERTICAL	DEPTH	DEGREES OFF VERTICAL
1200	1/2	4991	1/4	6700	1-1/4
1600	1/4	5140	3/4	7150	1-1/2
3006	1-3/4	5207	1-3/4	7274	1-1/4
3335	1-1/4	5285	1-1/2	7385	1-3/4
3460	1	5435	1		
4049	1/2	5537	3/4		
4240	3/4	5810	1-1/4		
4594	1/2	6080	1-1/2		
4670	3/4	6331	1-1/4		
4900	1/2	6430	3/4		

Whipstocked at 4798'

CONTINUED ON BACKSIDE

SAFETY DATA SHEET

DEVIATION SURVEY CONTINUED

DEPTH	DEGREES OFF VERTICAL	DEPTH	DEGREES OFF VERTICAL	DEPTH	DEGREES OFF VERTICAL
4798	3-1/4	5872	3	7560	3
4838	3-3/4	6120	2-1/4	7729	2-1/2
4983	3	6640	2	7870	2-3/4
5180	2-3/4	6717	2-1/4	7929	2-1/4
5195	2-1/2	6929	2-1/2	7993	2-3/4
5288	2-1/4	7030	3	8086	2
5623	2-3/4	7460	2-3/4	8151	2-3/4

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SAFETY DATA SHEET

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