

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 TOP</u>	<u>BOTTOM</u>	<u>WATER CUSHION</u>	<u>TIME TESTED</u>
1	7-6-53	9198	9260	Open Hole	9198	1"	5/8"	None	2 1/4 Hours.
(Wolfcamp). Used 2 packers. Gas to surface in 53 min., too small to measure. Rec. 390' of free oil, 450' heavily oil and gas cut mud. SFP: 0. BHFP: 85# to 225#. Closed 15 min. SIP: 3015#. HH: 4310# in & 4150# out.									
2	7-7-53	9260	9320	Open Hole	9260	1"	5/8"	None	1 Hour.
(Wolfcamp). Used 2 packers. Nothing to surface. Rec. 180' drlg. mud, no shows. Surface Flow Pressure: 0. BHFP: 50# - 120#. Closed 15 min. SIP: 230#. HH: 4230# in & 4170# out.									

DEVIATION SURVEY

<u>Depth</u>	<u>Degrees Off Vertical</u>	<u>Depth</u>	<u>Degrees Off Vertical</u>
3500	1/2	10332	3
4350	1/4	10455	2-1/2
4800	1	10490	2-1/4
4960	3/4	10558	1-3/4
5590	1	10648	2
6383	3/4	10753	1-1/4
6625	1/2	10850	1
6915	1	11320	1/2
7338	3/4	11536	1-1/4
9515	1	11590	1-3/4
9570	1/4	11830	2
9665	1/2	11980	2-1/2
10255	3	12010	2-1/4
10275	2-3/4	12043	2
		12470	3

ACIDIZING RECORD

8-11-53:	Western Company Acidized Perf's. in 5 1/2" liner 12520 - 12579 w/500 Gals. Mud Acid, 4500 Gals. LST Acid. Time: 28 min. Inj. Rate: 4.3 bbls. per min. TP: 2300# - 3000#.
8-12-53:	Western Company Acidized Perf's. in 5 1/2" liner 12434 - 12474 w/500 Gals. Mud Acid, 4500 Gals. LST Acid. Time: 29 min. Inj. Rate: 4.1 bbls. per min. TP: 1000# to 3200#. Packer @ 12326 - 12406.
8-12-53:	Western Company Acidized Perf's. in 5 1/2" liner 12336 - 12396 w/500 Gals. Mud Acid, 4500 Gals. LST Acid. Time: 32 min. Inj. Rate: 3.75 bbls. per min. TP: 3600# to 2400#. Packer @ 12246' - 12326'.
8-12-53:	Western Company Acidized Perf's. in 5 1/2" liner 12276 - 12312 w/500 Gals. Mud Acid plus 4500 Gals. LST Acid. Time: 30 min. Inj. Rate: 4 bbls. per min. TP: 1000# to 2200#. Swabbed and flowed 660 bbls. formation oil in 30 hrs. P.O.P.



