

DRILL STEM TESTS

NO.	DATE	FROM	TO	OPEN HOLE	TOOL SET @	CHOKES		WATER CUSHION	TIME TESTED
						TOP	BOTTOM		
1	5-27-53	9113	9163	Open Hole	9163	1"	5/8"	None	1 Hour.
(Wolfcamp). Used 2 packers. Nothing to surface. Rec. 10' drlg. mud. No show. SFP: 0. BHFP: 40#. SI: 15 min. SIP: 40#. HH: 4080# in & out.									
2	5-28-53	9163	9228	Open Hole	9163	1"	5/8"	None	3 Hours.
(Wolfcamp). Used 2 packers. Gas in 6 min. 337.6 MCF/day, oil & mud 49 min., cleaned to pits 3 min. Flowed 28.4 BFO, no water 1 hr. 29.76 BFO 2nd. hr. GOR: 483/1. Grav. 43.3 @ 60 deg. SFP: 50 - 58#. BHFP: 560 - 2155#. SI: 15 min. SIP: 3070#. HH: 4360# in & 4310# out.									
3	5-30-53	9228	9295	Open Hole	9228	1"	5/8"	None	1 Hour.
(Wolfcamp). Used 2 packers. Nothing to surface. Rec. 100' slightly oil & gas cut mud. SFP: 0. BHFP: 35#. Closed 15 min. SIP: 395#. HH: 4255#. in & out.									

DEVIATION SURVEY

Depth	Degrees Off Vertical	Depth	Degrees Off Vertical	Depth	Degrees Off Vertical
		7685	1/2	10615	2-3/4
230	1/2	7798	3/4	10865	1-1/2
492	1/4	8125	1/4	10975	1
1150	1/2	8300	3/4	11320	1-1/4
2530	3/4	8830	1/2	11440	1
4020	1	9000	3/4	11550	4-3/4
4235	3/4	9370	1/2	11570	4
4670	1	9515	3/4	11630	4-1/2
4815	1/2	9960	1/2	11660	4
5028	3/4	10075	1	11690	3-3/4
5137	1/2	10130	1-1/4	11789	4
5523	1/4	10225	1	11800	4-1/4
6176	3/4	10271	1-1/2	12095	3
6342	1/4	10370	2-1/4	12235	2-3/4
6764	1/2	10455	3	12450	2
7375	3/4				

ACIDIZING

8-4-53: Western Company Acidized perforations: 12489 - 12539 w/500 Gals. Mud Acid, 4500 Gals. 20% LST. Time: 1 hr. Inj. Rate: 4 to 8 BPM. TP: 4900 - 2500#. Re-set packer @ 12335 - 12400. Acidized perf's. 12343 - 12393 w/500 Gals. mud acid, 4500 Gals. 20% LST. Time: 2 hrs. & 17 min. Inj. Rate: 4 to 3.5 BPM. TP: 5200#. Re-set packer @ 12183 - 12248. Acidized perf's. 12195 - 12233 w/500 Gals. mud acid, 4500 Gals. 20% LST. Time: 52 min. Inj. Rate: 4.8 BPM. TP: 2000#. Re-set packer @ 12125 - 12190. Acidized Perf's. 12133 - 12175 w/500 Gals. mud acid, 4500 Gals. LST (20%). Time: 30 min. Inj. Rate: .5 to 5.6 BPM. TP: 1000#. Re-set packer @ 12052 - 12217. Acidized Perf's. 12059 - 12111 w/500 Gals. Mud Acid, 4500 Gals. 20% LST. Time 47 min. Inj. Rate: 4.6 BPM. TP: 1900#. Re-set packer @ 11962 - 12027. Acidized Perf's. 11970 - 12020 w/500 Gals. mud acid, 4500 Gals. 20% LST. Time: 49 min. Inj. Rate: 4 to 5 BPM. TP: 1000#.

Swabbed & flowed 552 bbls. load (All) 9 hrs. 585 BFO plus 275 BAW 11 hrs. 3/4" choke. Put on potential.



