

The Ohio Oil Company
J. L. Muncy Well No. 1
Lea County, New Mexico.

RECORD OF DRILL STEM TESTS.

Drill stem test taken November 26, 1945;
Drill stem test at 5166' with packer at 5059', 5/8" bottom hole choke and 1" opening at top. Gas to surface in 6 minutes, rate of 368 MCF. Bottom hole pressure 600#, open 60 minutes. Recovered 425' of oil and gas cut mud, 2550# bottom hole pressure. No water blanket.

Drill stem test taken December 1, 1945;

Drill stem test at 5520' with packer set at 5400'. 5/8" bottom hole choke and 1" opening at top. Gas to surface in 3 minutes. Estimated flow gas 24,000 MCF. Bottom hole flowing pressure 1900#, tools open 17 minutes. 2800# mud weight, bottom hole pressure Halliburton tool cut out and would not completely shut off. Packer and tool joints leaked enough to partly unload hole loaded with 9.8# mud. It was necessary to circulate mud back thru drill pipe and Halliburton testing tool by pass to reload casing with drilling mud before coming out with testing tool.

Drill stem test taken December 26, 1945;

Drill stem test at 6890' with packer set at 6790', 5/8" choke on bottom and 1" choke on top, 1000' water cushion, tool open 1 hr., recovered additional 1380' of slightly oil and gas cut mud and water. Maximum flow ing and water cushion pressure was 1050#. Bottom hole pressure 3550#, found 3 bad tool joint leaks. Have reconditioned mud in hole and retesting.

Drill stem test taken December 27, 1945;

Drill stem test at 6890' with packer set at 6787', 5/8" choke on bottom, 1" choke on top, no water blanket. Tool open 35 minutes. Gas to top in 32 minutes, estimated 50 MCF. Recovered 90' of oil and gas cut mud. Found 1 leaky tool joint, flowing pressure 425#. 10 minute shut in pressure 1850#, coming out of hole to run Schlumberger Electric Survey.

DEVIATION SURVEYS MADE BY TECHNICAL OIL TOOL CORPORATION.

<u>Depth Taken</u>	<u>De grees Off Vertical</u>
250	0
500	0
750	0
1000	0
1250	0
1500	1/2
1750	1/2
2000	1/2
2250	0
2500	0
2750	0
3000	0
3250	0
3500	1/4
3750	1/2
4000	1/2
4250	1/2
4500	1/2
4750	1/2
5000	1/2
5250	1/4
5500	1/4
5750	1/4
6000	1/4
6250	1/4
6500	1/2
6750	1/2
7000	3/4
7250	3/4

Schlumberger electric survey run from 2771' to 6884' 12-28-45

" " " " " 6884' to 7296' 1-6-46

Composite Log Attached

