

OPERATOR: Union Oil Company of California
LEASE: Laguna Deep Unit Federal
WELL NO.: 1
POOL: Wildcat
LOCATION: 1650' FNL and 1980' FEL,
Unit Letter G, Section 35,
Township 19 South, Range 33 East,
Lea County, New Mexico

DRILL STEM TESTS

- No. 1 - Attempted to run D.S.T. Tools, stopped at 13,692', left D.S.T. Tools in hole. Recovered tools.
- No. 2 - 14,348' to 14,561', Silurian formation. Opened tool for 15 minute pre-flow with strong blow. Shut in for 45 minute ISIP. Opened tool for 3 hours, good blow, gas to surface in 51 minutes, rate T.S.T.M. Pulled tool, recovered 787' of drilling mud and trace of oil. Sample chamber contained 2.8 cu. ft. of gas at 530 psi, no fluid. 15 minute IFP 222 to 183 psi, 45 minute ISIP 417 psi, 3 hour FFP 167 to 195 psi, 9 hour FSIP 891 psi, IHP 6319 psi, FHP 6319 psi.
- No. 3 - Attempted to run D.S.T. Tools, tubing failed.
- No. 4 - 14,348' to 14,566', Silurian formation. Opened tool for 15 minute pre-flow, weak blow increasing to good blow in 15 minutes. Shut in for 30 minute ISIP. Opened tool for 3 hours on 1/4" choke, gas to surface in 65 minutes, rate T.S.T.M. Pulled tool, recovered 600' of drilling fluid. Sample chamber contained .25 cu. ft. gas at 100 psi, no fluid. 15 minute IFP 184 psi, 30 minute ISIP 505 psi, 3 hour FFP 184 to 138 psi, 11 hour FSIP 805 psi, IHP 6396 psi, FHP 6495 psi.
- No. 5 - 14,136' to 14,705', Silurian formation. Opened tool for 15 minute pre-flow, weak blow increased to fair blow in 15 minutes. Shut in for 45 minute ISIP. Opened tool for 3 hours on 1/4" choke, gas to surface in 105 minutes, rate T.S.T.M. Pulled tool, recovered 495' of 46.6 gravity oil, 1226' gas cut drilling mud. Sample chamber contained 150 cc of 45.7 gravity oil and 1800 cc water. 15 minute IFP 211 to 281 psi, 45 minute ISIP 5778 psi, 3 hour FFP 281 to 796 psi, 17 hour FSIP 5938 psi, IHP 6304 psi, FHP 6304 psi.

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