

SUMMARY OF DST'S and PRODUCTION TESTS
SIGNAL OIL AND GAS COMPANY
LOWE-LAND NO. 1

- DST #1 DST #1 10,236-10,322' (Pennsylvanian): Tool open 1 hour. Recovered 9000' salt water, 200' slightly gas cut salty drilling mud. Sample chamber contained 2080 cc sulphur water, Chlorides 59,000 ppm. 1 hr ISIP 4489, 2-1/2 hr FSIP 4502, IFP 3605, FFP 4309, IHP 4937, FHP 4937, BHT 148°.
- DST #2 DST #2 11,718-11,800': Tool open 1 hour and 45 mins. Gas to surface at end of test. Recovered 210' heavily oil and gas cut mud, 60' salt water. Sample chamber contained 420 cc mud, 260 cc oil, 200 cc salt water, 85,000 ppm Chlorides, 8.51 cubic feet of gas. 1 hour ISIP 4333, 3 hour FSIP 4333, IFP 82, FFP 82.
- DST #3 DST #3 12,370-12,545' (Devonian): Tool open 45 mins. Recovered 2000' water blanket and 30' mud. Packers failed on final shut in. 1 hour ISIP 4409, 2 hour FSIP no good. IFP 968, FFP 994, IHP 6001, FHP 5886, BHT 168°.
- DST #4 DST #4 12,517-12,645' (Devonian): Tool open 1 hour and 45 mins. Recovered 3143' salt water and 372' mud. 1 hour ISIP 4670, 3 hour FSIP 4899, IFP 238, FFP 1654, IHP 5899, FHP 5763.

Production Test #1

Perforated 4-1/2" casing with 1 jet per foot 5715-26'. Acidized perfs 5715-26' with 1000 gallons 15% NE acid. Swabbed 40 bbls load in 7 hours. Fluid level 3500'. Slight show of gas, no oil. Swabbed 63 bbls water in 5 hours. Squeezed perforations 5715-5726' with 100 sacks Class "C" Neat. Final squeeze pressure 2000 psi.

Production Test #2

Perforated casing with 1 jet per foot 5656-72', 5680-87', 5691-96'. Acidized perfs 5656-5696' with 1500 gallons