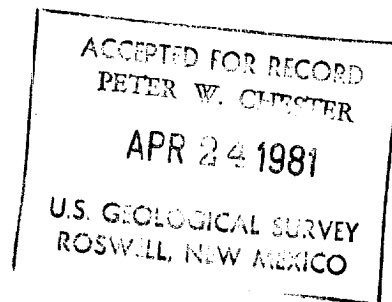


OPERATOR: Union Oil Company of California
LEASE: Federal "31-G"
WELL NO.: 1
POOL: Undesignated (Gem Morrow Gas)
LOCATION: 1980' FNL and 660' FEL,
Unit Letter H, Section 31,
Township 19 South, Range 33 East,
Lea County, New Mexico



DRILL STEM TESTS

- No. 1 - 10,525' to 10,759', Lower Bone Spring formation. Opened tool for 15 minute pre-flow, strong blow immediately. Shut in for 1 hour ISIP. Opened tool, had strong blow, 1/4" choke, opened choke to 3/8", gas to surface in 23 minutes with 4' flare, closed tool after 20 minutes. Pulled test tools, recovered 5390' fluid (77 bbls.), 1% oil in top 10 bbls. of fluid. Sample chamber contained 2200 cc drilling fluid, no oil or gas. ISIP 4893 psi, IFP 153 psi, FFP 175 psi, IHP 5002 psi, FHP 5002 psi. Bottom hole temperature 145 deg.
- No. 2 - 10,510' to 10,765', Lower Bone Spring formation. Opened tool for 15 minute pre-flow, good blow on 1/4" choke. Shut in for 1 hour ISIP. Opened tool with good blow, gas to surface in 23 minutes with 4' flare (37 MCFG/D), closed tool after 1 hour. Pulled test tools, recovered 518' of fluid (90' of 36 deg. gravity oil, 30' of oil cut drilling fluid, and 400' of drilling fluid or 1.25 bbls. oil and 2.60 bbls. drilling fluid). Sample chamber contained 0.68 cu. ft. gas, 700 cc oil at 150 psi, no water. One hour ISIP 4870.9psi, IFP 43.9 - 87.8 psi, FFP 87.8 - 153.6 psi, 4 hour FSIP 5024.1 psi, IHP 5133.5 psi, FHP 5133.5 psi. Bottom Hole Temperature 145 deg.