

RECEIVED

OCT 25 1979

37. Summary of Porous Zones

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

DST #1 (Atoka sand) 8792' - 8922', open total of 9 min. pre-flow, op. w/good blow inc. to strong blow with gas to surface in 19 min. @ max. press. 22# on 3/8" ch. @ rate of 125 MCF, then decr. to 16# on 3/8" ch. @ rate of 105 MCF at end of flow period. On 60 min. final flow, op. w/GTS @ max. press. 10# on 3/8" ch. @ rate of 85 MCF decr. to 0# @ TSTM at end of test. Rec. 453' SGCDM. Bottom hole sampler rec. no gas & 2300 cc drlg. fluid @ 50#. IHP 4606#, 30 min. IFP 162#-162#, 60 min. ISIP 613#, 60 min. FFP 108#-108#, 120 min. FSIP 756#, FHP 4624#, BHT 144°.

✓ DST #2 (Atoka sand) 8575' - 9200', open total of 60 min. On 30 min. pre-flow, op. w/weak blow inc. to fair blow, no surface press., no GTS. On 30 min. final flow, op. w/weak blow inc. to good blow, 1# surf. press., no GTS. Rec. 271' drlg. fluid. Bottom hole sampler rec. no gas, 1000 cc drlg. fluid @ 100#. IHP 4516#, 30 min. IFP 475# - 475#, 50 min. ISIP 664#, 30 min. FFP 506#-538#, 120 min. FSIP 632#, FHP 4516#, BHT 124°.

SP DST #3 (Cisco) 7556' - 7646', open total of 90 min. On 30 min. pre-flow, op. w/weak blow inc. slightly every 5 min., but remained weak blow, no surf. press., no GTS. On 60 min. final flow, op. w/weak blow inc. every 5 min., but remained weak blow, no surf. press., no GTS. Rec. 540' drlg. fluid with bottom 200' being slightly gas cut and with a slight trace of oil. Bottom hole sampler rec. 50 cc oil and 1450 cc drlg. fluid @ 100#. Rw on drlg. fluid was .48 @ 68°. IHP 3854#, 30 min. IFP 105#-189#, 60 min. ISIP 2797#, 60 min. FFP 252#-273#, 120 min. FSIP 2776#, FHP 3812#, BHT 128°.