

YATES PETROLEUM CORPORATION

DRILL STEM TESTS

Trigg "AIN" Federal #1
Unit H
28-20S-29E
Eddy County, NM

RECEIVED

JUL 15 1991

O. C. D.
ARTESIA, OFFICE

DST #1 3274-3374' (100') TIMES: 5", 60", 5", 30", 60".
RECOVERY: 60' drilling fluid and 1434' formation water.
SAMPLER: 2375 cc water and .01 cu ft gas. PRESSURES:
IHP 1491, IFP 80-144, ISIP 1493, 2ndFP 156-570, 2ndSIP 1493,
FFP 576-807, FHP 1480.

DST #2 3586-3631' (45') DELAWARE: TIMES: 5", 60", 60",
180", 60. RECOVERY: 10' free oil; 834' formation water,
Cl 76,000. SAMPLER: .7 cu ft gas, 1950 cc water, Chl 106,000.
PRESSURES: IHP 1615, IFP 113-136, ISIP 1617, 2ndFP 152-315,
2ndSIP 1609, FFP 325-425, FHP 1607.

DST #3 5322-5425' (103') TIMES: 5", 60", 60", 60", 240".
RECOVERY: 884' heavy gas and slight trace of rat hole mud.
Top Sample: Rw .27 @ 60, Chl 17,160; Middle Sample: Rw .15
@ 60, Chl 31,080; Bottom Sample: Rw .14 @60, Chl 38,800.
SAMPLER: 300 cc foamy, slightly oil and gas cut fluid; 500
cc water and 2.32 cu ft gas. Sampler Rw .062 @ 60. PRESSURES:
IHP 2540, IFP 86-86, ISIP 1579, 2ndFP 114-200, 2ndSIP 2328,
FFP 200-315, FSIP 2328, FHP 2540.

DST #4 10,560-10,657' (97') STRAWN: TIMES: 5", 60", 66",
180", 66". RECOVERY: 1036' fresh water cushion, 209' water
cut mud and 73' oil. Top Sample Rw: 1.8 at 60 deg, 2600
ppm/Chl. Middle Sample Rw: 400 ppm Chl. Bottom Sample:
.073 at 60 deg, 77000 ppm Chl. RECOVERY: 1.28 cu ft gas,
450 cc oil at 250 psi. Make Up Water R.W.: .062 @ 60 deg,
100,000 ppm/Chl. PRESSURES: DEPTH 10,571', IHP 5050, IFP
530-542, ISIP 4622, 2ndFP 405-490, 2ndSI 4642, 3rdFP 440-500,
FHP 5062.

DST #5 10,736-10,788' (52') STRAWN: TIMES: 5", 60", 60",
180". RECOVERY: 1224' water cushion (400 ppm Chl) + 316'
rat hole mud (Chl 80,000 ppm at end of 2nd flow period).
Shut in and pulled loose. Pulled to recovery and reversed
out 263' oil and 2443' formation water. Chl - Top recovery
70,000 ppm, Middle recovery - 67,000 ppm, Bottom recovery
65,000 ppm, Pit mud Chl - 84,000 ppm. SAMPLER: 2250 cc
formation water, Chl 65,000 ppm, .58 cu ft gas and 550 psi.
PRESSURES: IHP 5192, IFP 895-877, ISIP 4977, FFP 1005-1812,
FSIP 4972, FHP 5195, BHT 176 deg.

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DST #6 11,016-11,097' (81') ATOKA: TIMES: 5", 60", 60", 180", 60", 180". Opened tool on 1/2" choke for 2nd flow - 5 mins 19#. Opened with 1000 psi in 15 mins. Finished unloading water blanket in 34 mins with 2200 psi burning gas intermittently. Stabilized at 1600#, dry gas, last 5 mins of FP at 10.1 MMCF per day. Re-opened tool on 1/2" choke for 3rd flow - GTS in 4 mins, stab at 10.1 MMCF with 1600# dry gas for last 10 mins of flow period. SAMPLER: 25.2 cu ft gas at 3300 psi. PRESSURES: IHP 6700, IFP 3592-3982, ISIP 5780, 2ndDP 5260-5325, 2ndSI 5777, 3rdFP 5272-5305, 3rdSI 5767, FHP 6692.