

ROCK TANK UNIT NO. 4

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DEC 3 1970

D. C. C.
ARTESIA, CALIF.

DST #1

Cisco 8345-8418; Tool open 10 Mins. GTS in 12 Min. F.P. 554 psi, 400 MCFFPD rate.
60 Min. I.S.I.P. 3011 psi.
60 Min. F.P. 439 psi, 2.9 MMCFPD initially to 1.9 MMCF at end.
120 Min. S.I.P. 2851 psi.
60 Min. F.P. 415 psi, 2.4 MMCFPD initially to 1.6 MMCF at end.
240 Min. F.S.I.P. 2851 psi.
Rec. 270' GCM, 3.7 Bbls. plus 320' muddy drilling water, 4.5 Bbls. Smplr. 4.7 cu. ft. gas, 1000 psi.
All S.I. pressures still building.

DST #2

Lower Strawn 9026 to 9046'.
Rec. 390' drilling mud (2 Bbls.) w/ slight gas on top of mud. Smplr on cu. ft. gas & 5 cc mud, 1600 psi.
20 Min. preflow 95 psi. 90 Min. ISIP 1002. 60 Mins. flow 95 psi. 180 Mins. SIP 1843 psi. 60 Min. flow 119 psi; 240 Mins. FSIP 1866 psi. All pressures bluiding sharply - I & FHP 4320 psi.

DST #3

10,161 to 10,300, Lower Morrow 1070', water cushion. 15 Min. preflow 1329 psi, GTS in 12 Mins., Wtr. cushion to surface 13 Mins, 60 Mins. ISIP 3747 psi; 60 Mins. 2nd flow 2123 psi on $\frac{1}{2}$ " choke. Too much water & mud to get accurate measurement on gas. 120 Mins. 2nd SIP 3747 psi; 60 Mins. 3rd flow 2030 psi, $\frac{1}{2}$ " choke. 6.75 MMCFPD. Still making a little water. 180 Mins 3rd SIP 3747 psi. 60 Mins. 4th F.P. 1936 psi, $\frac{1}{2}$ " choke, 6.25 MMCFPD, very little water. 420 Mins. FSIP 3747 psi. Rec. 120' (2 Bbls.) muddy drilling water. Smplr. had no water, 16 cu. ft. gas, 3 M psi. BHT 170°. I & FHP 4983 psi.

DST #4

Upper Morrow 10,014 to 10,052'; 1000' water cushion. 20 Min. preflow w/ weak blow, gradually increasing. NGTS.
60 Mins. ISIP. GTS in 50 Mins., 14 psi.
90 Mins. 2nd flow, $\frac{1}{4}$ " choke, 165 psi, 260 MCFFPD.
180 Mins. 2nd S.I.
180 Mins. 3rd flow, $\frac{1}{2}$ ", 70 psi, 550 MCFFPD.
360 Mins. 3rd S.I. No water cushion to surface.
Rec. 120' (2 Bbls.) muddy water. (Mud & Water cushion)
Smplr. had no wtr., 16 cu. ft. gas at 3000 psi.
BHT 170° F. 20 Min. IFP, 531 - 554#, 90 Mins. ISIP 4744#,
90 Mins. 2nd F.P. 554 - 692#, 180 Mins. 2nd SIP 4015#,
180 Mins. 3rd F.P. 554 - 623#, 320 Mins. FSIP 4721#, IHP 4801# and FHP 4778#.

DST #5

Devonian, 10,881 to 10,921'. Top Devonian 10,881' (-6852'); Misrun.

DST #6

Devonian, 10,880 to 10,921'.
25 Mins. preflow press 4326 psi, NGTS.
60 Mins. ISIP 4424 psi.
33 Mins. Flow press. 4424 psi, NGTS.
120 Mins. FSIP 4424 psi.
Rec. 9000' brackish water, 10 Mppm chlorides plus 1000' water blanket, no show.
Smplr. 2250 cc brackish water, no show, 100 psi.