

RECEIVED

JUN 13 1961

DEVIATIONS - TOTCO SURVEYSD. C. C.
ARTESIA, DEC.

1/2 - 50'	3/4 - 3480'	2 - 8190'
1/2 - 120	1-1/4 - 3640	1 - 8550
1/4 - 200	1-1/4 - 3950	1 - 8810
3/4 - 471	2 - 4220	1 - 9167
3/4 - 650	1 - 4346	3/4 - 9500
1/2 - 770	3/4 - 5420	1 - 9650
3/4 - 1355	1-1/2 - 6060	3/4 - 9250
3/4 - 1750	2-3/4 - 6855	3/4 - 10,060
3/4 - 2140	2 - 7202	1-1/4 - 10,148
1/2 - 2360	2-1/4 - 7370	1-1/4 - 10,199
1/2 - 2620	2 - 7450	1 - 10,305
3/4 - 3025	2 - 7730	1-1/4 - 10,541
1 - 3238	2-1/2 - 7940	2-1/4 - 10,710

DRILL STEM TESTS

No. 1, 1 hr, 8145-8190' (Penn). Tool opened with faint blow air for 50 min, dead 10 min. Rec 50' salty sulphur water. HP 3700#. 30 min ISIP 130#. IFP 50#. 30 min FSIP 90#. Temp 120 deg at 8185'.

No. 2, 2 hr, 10,060-10,088' (Lower Penn). Tool opened with strong blow air and gas to surface in 6 min, 24 hr rate 1004 MCF. No fluid to surface. Rec 210' GCDM. HP in 4705#. 60 min ISIP 4235#. IFP 110#. FFP 340#. 60 min FSIP 4210#. HP out 4660#. Temp 112 deg at 10,080'.

No. 3, 1 1/2 hr, 10,060-10,135' (Lower Penn). Tool opened with strong blow air and gas to surface in 13 min, 24 hr rate 568 MCF. Rec 360' GCDM. HP in 4690#. 30 min ISIP 4210#. IFP 200#. FFP 630#. 30 min FSIP 4210#. HP out 4665#.

No. 4, 10,140-10,199', misrun.

No. 5, 1 hr, 10,130-10,199'. Tool opened with fair blow air for 2 min and packer seat gave way. Reset packers and had fair blow air 2 min and packer seat gave way. Reset packers and tested 1 hour. No blow. After 1 hour, bypassed tool and reopened. Weak blow air 1 min and dead. Rec 2883' DM, no shows. HP 4830#. 30 min IBHP 1840#. IFP 1485#. FFP 1535#. 30 min FBHP 1660#. Temp 120 deg at 10,199'.

No. 6, 2 hr, 10,333-10,374' (Lower Penn). Tool opened with fair blow air thruout test. Rec 360' slightly GCDM and 180' GC salt water. HP 5120#. 30 min IBHP 4015#. IFP 85#. FFP 275#. 30 min FBHP 3400#. Temp 145 deg at 10,364'.

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