

Shelly Oil Company

Hickman-Federal #1

Rio Arriba County, N. M.

DRILL STEM TEST NO. 1 3100' - 3123'

Total Depth 3123'. Packer set at 3100'. 5/8" bottom choke - 1" top choke. Opened tool - light blow of air immediately. Sweet gas to surface in 1 hour and 10 minutes. Show of gas insufficient to test. Tool open 1 hour and 20 minutes. Shut in for 30 minutes. Packer set 1 hour and 45 minutes. Initial Flowing Pressure 90#. Final Flowing Pressure 60#. Shut in Pressure 870#. Hydrostatic Pressure 1410#.

Slope Tests

DEPTH

INCLINATION

186	1 degree
731	1/2 degree
950	1/2 degree
1615	1/2 degree
2105	1/4 degree
2398	1/4 degree
2690	0 degree
3055	3/4 degree
3210	1/4 degree
3400	1/4 degree
3583	0 degree
4055	1/2 degree
4387	1/4 degree
4695	3/4 degree



WHEELER OIL COMPANY - MINNEAPOLIS

Total Depth 2100'. Proker set at 2100'. 5/8" bottom choke - 1" for
choke. Opened tool - light flow of air immediately. Closed gas to surface
in 1 hour and 10 minutes. Show of gas insufficient to test. Tool open 1 hour
and 20 minutes. Shut in for 20 minutes. Proker set 1 hour and 45 minutes.
Initial Flowing Pressure 90%. Final Flowing Pressure 60%. Shut in Pressure
2500'. Hydrostatic Pressure 2400'.



Flowing Pressure

Flowing Pressure	Time
2500'	1000
2400'	1000
2300'	1000
2200'	1000
2100'	1000
2000'	1000
1900'	1000
1800'	1000
1700'	1000
1600'	1000
1500'	1000
1400'	1000
1300'	1000
1200'	1000
1100'	1000
1000'	1000
900'	1000
800'	1000
700'	1000
600'	1000
500'	1000
400'	1000
300'	1000
200'	1000
100'	1000
0'	1000