

10/22/73

JAMES RANCH UNIT #4

## Drill Stem Tests

Drill Stem Test No. 1 - 13,000' - 13,048' (Atoka Carbonate Zone) Ran 3000'  
water blanket.

Opened for 10 minute preflow with weak blow. Shut in for 90 minute ISIP.  
Opened for 90" final flow period with weak to fair blow. Shut in for 180"  
final shut in pressure.

## Pressures:

10 minute preflow	- 2412# - 2773#
90 minute I.S.I.P.	- 5427#
90 minute F.F.	- 3515#
180 minute F.S.I.P.	- 5183#
IHP	- 8945#
FHP	- 8945#
BHT	- 188°F.

Reversed out 6138' gas-cut mud and 3000' water blanket. Sample chamber recovery  
7.13 cubic feet gas at 2400# - no fluid.

Drill Stem Test No. 2 - 12,732' - 13,079' (Strawn, Atoka Sand, and Atoka Carbonate  
Zones) Ran 3000 foot water blanket.

Opened for 10 minute preflow with strong blow. Shut in for 90 minute I.S.I.P.  
Opened for 55 minute flow period with GTS in 40" and water blanket to surface in  
45". Surface flowing pressure was 100# on a 1" adjustable choke. Shut in for  
one hour and 55 minute, second shut in period. Opened tool for 120 minute final  
flow period with GTS immediately. Flow pressure stabilized at 500" on a 1/2" P.C.  
Flow rate approximately 3,400 MCFPD. Shut in for 2 hour F.S.I.P.

## Pressures:

IHP	- 9117#
10" Preflow	- 1945#
90" I.S.I.P.	- 5166#
55" I.F.P.	- 2391#
150" S.I.	- 5146#
120" F.F.P.	- 1276#
120" F.S.I.P.	- 5126#
FHP	- 9117#
Temp.	- 192°F.

**RECEIVED**  
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