



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Woolsey Oper Co LLC  
125 N Market Suite 1000  
Wichita Ks 67202  
ATTN: Scott Alberg

**20-20s-35w**

**Brack #2**

Job Ticket: 51313

**DST#: 1**

Test Start: 2012.12.01 @ 02:15:00

## GENERAL INFORMATION:

Formation: **Amazonia Ditch/Marma**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:01:30

Time Test Ended: 13:12:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Wilbur Steinbeck

Unit No: 65

**Interval: 4470.00 ft (KB) To 4530.00 ft (KB) (TVD)**

Reference Elevations: 3195.00 ft (KB)

Total Depth: 4530.00 ft (KB) (TVD)

3184.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

## Serial #: 8846

Press @ Run Depth: 177.34 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.01

End Date: 2012.12.01

Last Calib.: 2012.12.01

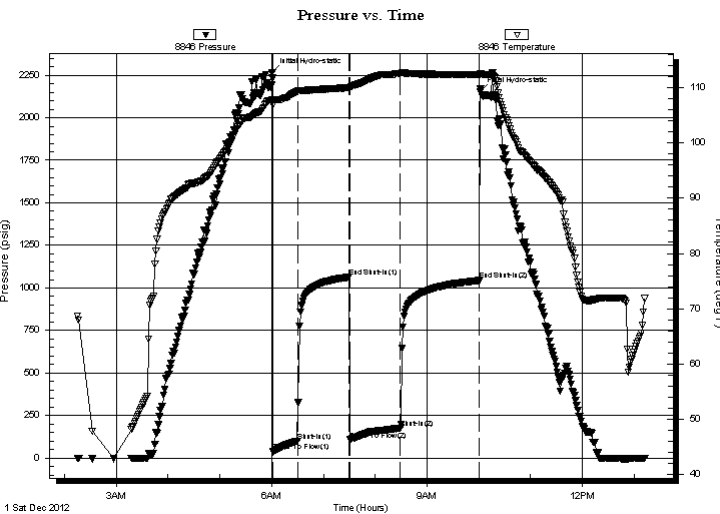
Start Time: 02:15:15

End Time: 13:12:15

Time On Btm: 2012.12.01 @ 06:00:45

Time Off Btm: 2012.12.01 @ 10:01:30

**TEST COMMENT:** 30 IF; Built to 4 1/2"  
60 IS; No Blow  
60 FF; Built to 4 1/2"  
90 FS; No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2263.34	107.76	Initial Hydro-static
1	38.65	106.78	Open To Flow (1)
30	102.11	109.23	Shut-In(1)
90	1063.38	109.97	End Shut-In(1)
90	108.80	109.86	Open To Flow (2)
149	177.34	112.57	Shut-In(2)
240	1044.22	112.37	End Shut-In(2)
241	2150.47	112.51	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
100.00	Oil Spotted Mud 100%	0.49
260.00	MCW 20%M 80%W	1.86

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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## FLUID SUMMARY

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### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
100.00	Oil Spotted Mud 100%	0.492
260.00	MCW 20%M 80%W	1.862

Total Length: 360.00 ft      Total Volume: 2.354 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .256@69.9=28000

