



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Oil Producers INC Of Kansas
1710 Waterfront Parkw ay
Wichita KS
67206+6603
ATTN: Brian McCoy/Steve Va

23-31s-18w

Gray #1-23

Job Ticket: 44072

DST#: 1

Test Start: 2011.10.27 @ 05:40:24

GENERAL INFORMATION:

Formation: **Pawnee/Marmouton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:13:39

Time Test Ended: 14:05:24

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Staats

Unit No: 34

Interval: 4909.00 ft (KB) To 4087.00 ft (KB) (TVD)

Reference Elevations: 2135.00 ft (KB)

Total Depth: 4987.00 ft (KB) (TVD)

2122.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8166 Outside

Press @RunDepth: 481.73 psig @ 4910.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.27 End Date: 2011.10.27

Last Calib.: 2011.10.27

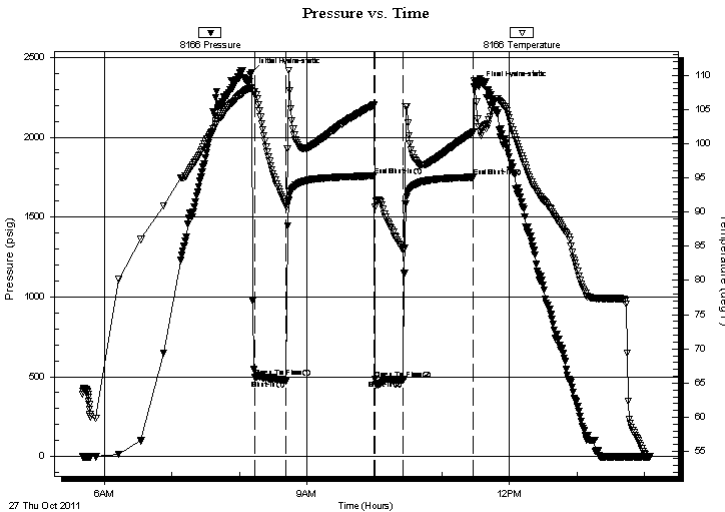
Start Time: 05:40:29 End Time: 14:05:23

Time On Btm: 2011.10.27 @ 08:10:39

Time Off Btm: 2011.10.27 @ 11:32:39

TEST COMMENT: IF: Strong blow BOB 30 sec GTS 2 min { see gas flow report }
IS: Weak surface blow back
FF: Strong blow BOB 2 sec { see gas flow report }
FS: Weak blow back 1/2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2404.92	107.96	Initial Hydro-static
3	499.27	107.57	Open To Flow (1)
31	475.53	90.91	Shut-In(1)
109	1758.18	105.61	End Shut-In(1)
110	485.89	90.70	Open To Flow (2)
135	481.73	84.55	Shut-In(2)
197	1750.09	101.67	End Shut-In(2)
202	2320.76	102.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	Gassy Mud 5% gas 95% mud	0.69
60.00	W,G,M 2% water 18% gas 80% mud	0.46

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	72.00	2483.90
Last Gas Rate	1.00	79.00	2685.14
Max. Gas Rate	1.00	80.00	2713.89



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FLUID SUMMARY

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23-31s-18w

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Gray #1-23

Job Ticket: 44072

DST#: 1

ATTN: Brian McCoy/Steve Va

Test Start: 2011.10.27 @ 05:40:24

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
140.00	Gassy Mud 5% gas 95% mud	0.688
60.00	W,G,M 2% w ater 18% gas 80% mud	0.459

Total Length: 200.00 ft

Total Volume: 1.147 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #: 007

Laboratory Name: Caraw ay

Laboratory Location: Liberal, KS

Recovery Comments:

Serial #: 8166

Outside Oil Producers INC Of Kansas

Gray #1-23

DST Test Number: 1

Pressure vs. Time

