

**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Co
125 N Market Ste 1000
Wichita, KS 67202
ATTN: Bill Klaver

#4 Weckworth
9-35S-12W Barber
Job Ticket: 042473 **DST#: 1**
Test Start: 2011.07.07 @ 16:18:04

GENERAL INFORMATION:

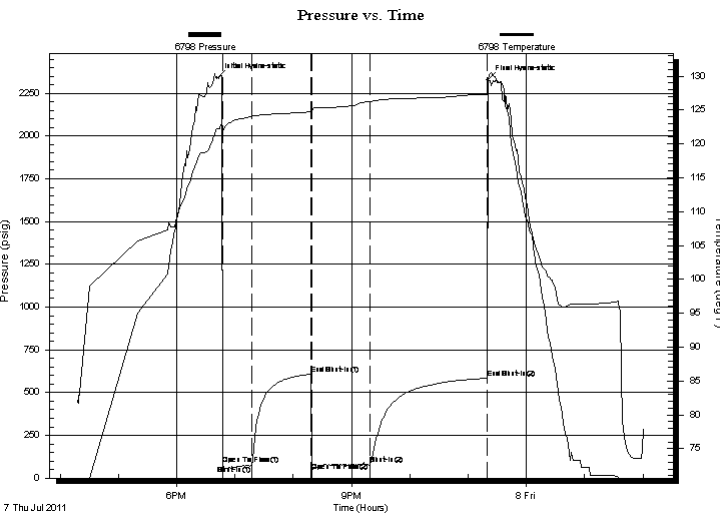
Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:47:19
Time Test Ended: 02:02:19
Interval: **4840.00 ft (KB) To 4910.00 ft (KB) (TVD)**
Total Depth: 4910.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Leal Cason
Unit No: 45
Reference Elevations: 1429.00 ft (KB)
1418.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 81.38 psig @ 4841.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.07.07 End Date: 2011.07.08 Last Calib.: 2011.07.08
Start Time: 16:18:05 End Time: 02:02:19 Time On Btm: 2011.07.07 @ 18:41:49
Time Off Btm: 2011.07.07 @ 23:20:34

TEST COMMENT: IF: Strong Blow , BOB in 2 minutes
IS: Bled Off, No Blow back
FF: Strong Blow , BOB in 10 seconds, GTS in 2 minutes, Gauged Gas & Caught Sample
FSI: Bled Off, No Blow back



PRESSURE SUMMARY

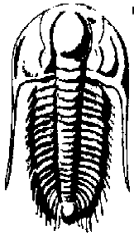
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2339.20	122.25	Initial Hydro-static
6	79.08	122.30	Open To Flow (1)
36	75.69	124.05	Shut-In(1)
97	608.09	124.74	End Shut-In(1)
98	38.14	124.62	Open To Flow (2)
158	81.38	126.27	Shut-In(2)
278	583.80	127.32	End Shut-In(2)
279	2327.10	129.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4622 GIP	0.00
210.00	GCM 2%G 98%M	1.29

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	4.00	29.35
Last Gas Rate	0.25	2.00	26.18
Max. Gas Rate	0.25	4.00	29.35



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FLUID SUMMARY

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Job Ticket: 042473

DST#: 1

ATTN: Bill Klaver

Test Start: 2011.07.07 @ 16:18:04

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: 49.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4622 GIP	0.000
210.00	GCM 2%G 98%M	1.288

Total Length: 210.00 ft Total Volume: 1.288 bbl

Num Fluid Samples: 0

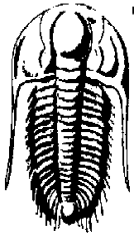
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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GAS RATES

Woolsey Operating Co

#4 Weckworth

125 N Market Ste 1000
Wichita, KS 67202

9-35S-12W Barber

Job Ticket: 042473

DST#: 1

ATTN: Bill Klaver

Test Start: 2011.07.07 @ 16:18:04

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	10	0.25	4.00	29.35
2	20	0.25	4.00	29.35
2	30	0.25	3.00	27.76
2	40	0.25	3.00	27.76
2	50	0.25	3.00	27.76
2	60	0.25	2.00	26.18

Pressure vs. Time

