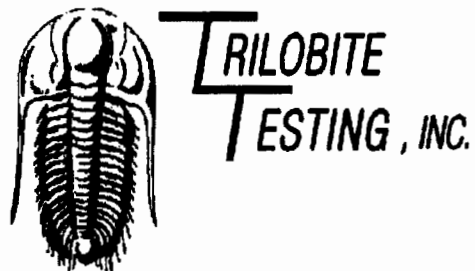


15-007-23477

10-35s-12w



DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Company**

125 N Market
Suite 1000
Wichita, KS 67202-1729

ATTN: Curtis Covey

10-35s-12w Barton KS

PLATT #1

Start Date: 2009.12.14 @ 02:00:00

End Date: 2009.12.14 @ 17:21:19

Job Ticket #: 35766 DST #: 1

KCC
MAR 31 2010
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KCC WICHITA

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2009.12.28 @ 17:53:34 Page 1

DEC 31 2009

Woolsey Operating Company

PLATT #1

10-35s-12w Barton KS

DST # 1

Mississippi

2009.12.14



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Company

125 N Market
Suite 1000
Wichita, KS 67202-1729
ATTN: Curtis Covey

PLATT #1

10-35s-12w Barton KS

Job Ticket: 35766

DST#: 1

Test Start: 2009.12.14 @ 02:00:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 08:16:50

Time Test Ended: 17:21:19

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **43**

Interval: **4746.00 ft (KB) To 4890.00 ft (KB) (TVD)**

Total Depth: **4890.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1414.00 ft (KB)**

1403.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 8357 **Inside**

Press@RunDepth: **816.49 psig @ 4747.00 ft (KB)**

Start Date: **2009.12.14**

End Date:

2009.12.14

Capacity: **8000.00 psig**

Last Calib.: **2009.12.14**

Start Time: **02:00:02**

End Time:

17:21:19

Time On Btrc: **2009.12.14 @ 08:14:10**

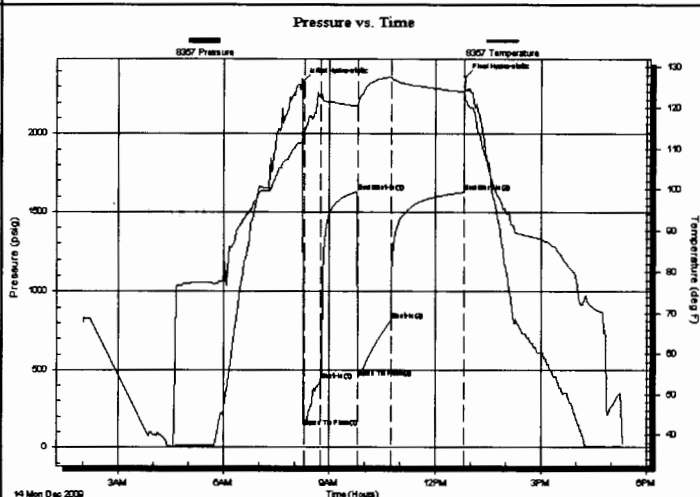
Time Off Btrc: **2009.12.14 @ 12:49:19**

TEST COMMENT: IF: Strong blow, built to BOB in 1 minute.

ISI: Bled off, blow back built to 5".

FF: Strong blow, built to BOB in 3 minutes, GTS in 59 minutes, too small to measure.

FSI: Bled off, blow back built to



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2333.53	111.87	Initial Hydro-static
3	128.51	114.09	Open To Flow (1)
31	429.73	123.09	Shut-In(1)
94	1628.57	120.39	End Shut-In(1)
95	448.05	120.56	Open To Flow (2)
151	816.49	127.57	Shut-In(2)
275	1626.22	123.96	End Shut-In(2)
276	2365.18	122.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Drig Mud 100% _m	1.26
125.00	GOWCM 5% _g 5% _o 10% _w 80% _m	1.75
190.00	GOWCM 10% _g 10% _o 15% _w 65% _m	2.67
250.00	G&OCWM 15% _g 10% _o 25% _w 50% _m	3.51
250.00	SOCMCW 5% _o 20% _m 75% _w	3.51
807.00	Water 100% _w (125,000ppmCHL)	11.32

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Company

PLATT #1

125 N Market
Suite 1000
Wichita, KS 67202-1729
ATTN: Curtis Covey

10-35s-12w Barton KS

Job Ticket: 35766

DST#: 1

Test Start: 2009.12.14 @ 02:00:00

Tool Information

Drill Pipe:	Length: 4729.00 ft	Diameter: 3.80 inches	Volume: 66.34 bbl	Tool Weight:	4000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	110000.0 lb
		Total Volume:	66.34 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	84000.00 lb
Depth to Top Packer:	4746.00 ft			Final	90000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	144.00 ft				
Tool Length:	172.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4723.00	
Hydraulic tool	5.00			4728.00	
Jars	5.00			4733.00	
Safety Joint	3.00			4736.00	
Packer	5.00			4741.00	28.00 Bottom Of Top Packer
Packer	5.00			4746.00	
Stubb	1.00			4747.00	
Recorder	0.00	8357	Inside	4747.00	
Recorder	0.00	6799	Inside	4747.00	
Perforations	11.00			4758.00	
Blank Spacing	127.00			4885.00	
Bullnose	5.00			4890.00	144.00 Bottom Packers & Anchor

Total Tool Length: 172.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Company

PLATT #1

125 N Market
Suite 1000
Wichita, KS 67202-1729
ATTN: Curtis Covey

10-35s-12w Barton KS
Job Ticket: 35766 **DST#: 1**
Test Start: 2009.12.14 @ 02:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 58.00 sec/qt
Water Loss: 7.19 in³
Resistivity: ohm.m
Salinity: 5000.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Drig Mud 100%m	1.262
125.00	GOWCM 5%g5%o10%w 80%m	1.753
190.00	GOWCM 10%g10%o15%w 65%m	2.665
250.00	G&OCWM 15%g10%o25%w 50%m	3.507
250.00	SOCMCW 5%o20%m75%w	3.507
807.00	Water 100%w (125,000ppmCHL)	11.320

Total Length: 1712.00 ft Total Volume: 24.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

