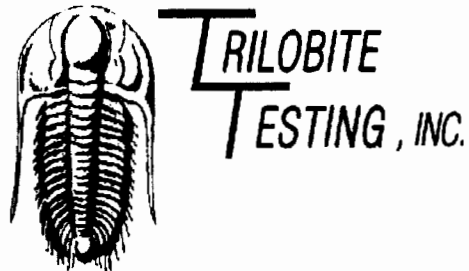


15-007-23313

24-34S-12W



DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bill Klaver

24 34S 12W Barber KS

Wenzel GU # 2

Start Date: 2008.06.25 @ 12:58:56

End Date: 2008.06.25 @ 22:35:26

Job Ticket #: 31716 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

OCT 14 2008

CONSERVATION DIVISION
WICHITA, KS

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bill Klaver

Wenzel GU # 2

24 34S 12W Barber KS

Job Ticket: 31716

DST#: 1

Test Start: 2008.06.25 @ 12:58:56

GENERAL INFORMATION:

Formation: **Viola**

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

Time Tool Opened: 16:00:41

Time Test Ended: 22:35:26

Test Type: **Conventional Bottom Hole**

Tester: **Esak Hadley**

Unit No: **23**

Interval: **4949.00 ft (KB) To 5094.00 ft (KB) (TVD)**

Total Depth: **5094.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1479.00 ft (KB)**

1469.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8370

Inside

Press@RunDepth: **140.60 psig @ 4950.00 ft (KB)**

Start Date: **2008.06.25**

End Date: **2008.06.25**

Start Time: **12:59:01**

End Time: **22:35:26**

Capacity: **7000.00 psig**

Last Calib.: **2008.06.25**

Time On Btm: **2008.06.25 @ 15:46:26**

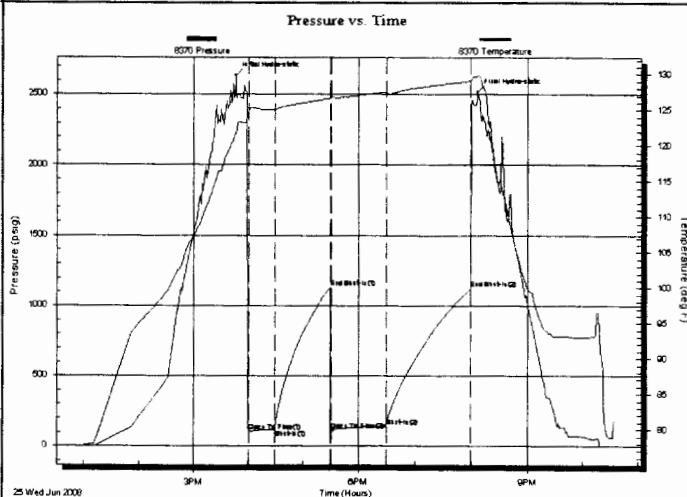
Time Off Btm: **2008.06.25 @ 20:06:11**

TEST COMMENT: IF Strong blow BOB in 2 min. GTS in 30 min. see gas flow report

ISI No blow

FF Strong blow BOB in 2 sec. see gas flow report

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2632.87	121.72	Initial Hydro-static
15	104.76	124.80	Open To Flow (1)
43	120.21	125.05	Shut-In(1)
103	1129.35	126.64	End Shut-In(1)
104	110.93	126.82	Open To Flow (2)
163	140.60	127.55	Shut-In(2)
253	1122.89	129.10	End Shut-In(2)
260	2516.59	129.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	GCM 5%G 95%M	0.83

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	12.00	9.88
Last Gas Rate	0.13	24.00	14.37
Max. Gas Rate	0.13	24.00	14.37



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bill Klaver

Wenzel GU # 2

24 34S 12W Barber KS

Job Ticket: 31716

DST#: 1

Test Start: 2008.06.25 @ 12:58:56

Tool Information

Drill Pipe:	Length: 4823.00 ft	Diameter: 3.80 inches	Volume: 67.65 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	68.26 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4949.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	145.00 ft				
Tool Length:	173.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4922.00	
Shut In Tool	5.00			4927.00	
Hydraulic tool	5.00			4932.00	
Jars	5.00			4937.00	
Safety Joint	3.00			4940.00	
Packer	4.00			4944.00	28.00 Bottom Of Top Packer
Packer	5.00			4949.00	
Stubb	1.00			4950.00	
Recorder	0.00	8370	Inside	4950.00	
Recorder	0.00	8289	Inside	4950.00	
Change Over Sub	1.00			4951.00	
Blank Spacing	125.00			5076.00	
Change Over Sub	1.00			5077.00	
Perforations	12.00			5089.00	
Bullnose	5.00			5094.00	145.00 Bottom Packers & Anchor

Total Tool Length: 173.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

Wenzel GU # 2

125 N Market Ste 1000
Wichita KS 67202

24 34S 12W Barber KS

Job Ticket: 31716

DST#: 1

ATTN: Bill Klaver

Test Start: 2008.06.25 @ 12:58:56

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: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	GCM 5%G 95%M	0.834

Total Length: 140.00 ft

Total Volume: 0.834 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Woolsey Operating Co LLC

Wenzel GU # 2

125 N Market Ste 1000
Wichita KS 67202

24 34S 12W Barber KS

Job Ticket: 31716

DST#: 1

ATTN: Bill Klaver

Test Start: 2008.06.25 @ 12:58:56

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 (m³/d)
2	5	0.13	12.00	9.88
2	5	0.13	12.00	9.88
2	10	0.13	15.00	11.00
2	15	0.13	18.00	12.13
2	20	0.13	18.00	12.13
2	30	0.13	20.00	12.88
2	40	0.13	22.00	13.62
2	50	0.13	24.00	14.37

DST Test Number: 1

24 34S 12W Barber KS

Woodsey Operating Co LLC

Inside

Serial #: 8370

Pressure vs. Time

