

DRILL STEM TEST REPORT

Woolsey Operating Company

Keesecker #2

125 N market ste 1000 Wichita Ks 67202-1729

33-34s-11w barber

Job Ticket: 16501

DST#: 1

ATTN: Scott Alberg

Test Start: 2011.06.30 @ 04:17:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:45:30

Time Test Ended: 15:55:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis/Jared S

Unit No: 3333-GB 130

Interval: 4660.00 ft (KB) To 4786.00 ft (KB) (TVD)

Reference Elevations: 1413.00 ft (KB)

Total Depth: 4706.00 ft (KB) (TVD)

1404.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8524

Inside

Press @ RunDepth: 1064.72 psia @ 4782.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.06.30

End Date: 2011.06.30

Last Calib.: 2011.06.30

Start Time: 04:18:00

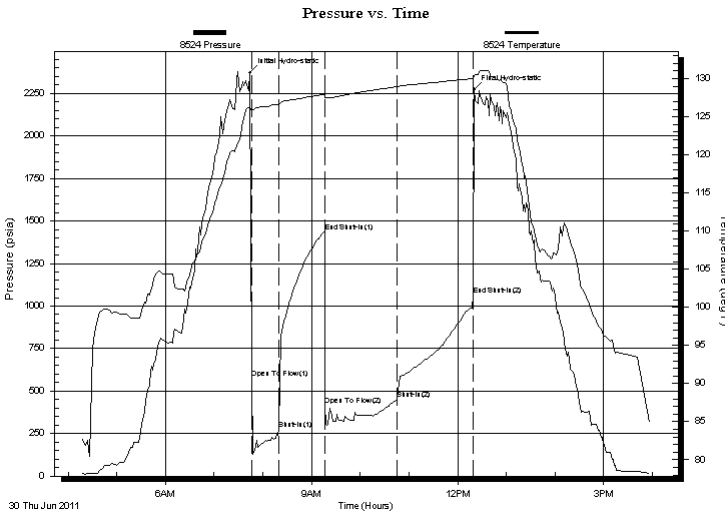
End Time: 15:56:30

Time On Btm: 2011.06.30 @ 07:44:30

Time Off Btm: 2011.06.30 @ 12:20:30

TEST COMMENT: 1st Open 30 Minutes Blow built 9 inches in bucket then died off
 1st Shut in 60 Minutes no blow
 2nd Open 60 Minutes Strong blow built to bottom of bucket in 2 minutes
 2nd Shut in 120 Minutes Very weak then died off

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2371.16	126.39	Initial Hydro-static
2	578.91	125.84	Open To Flow (1)
36	275.66	126.66	Shut-In(1)
92	1437.10	127.94	End Shut-In(1)
93	414.52	127.55	Open To Flow (2)
181	452.37	128.94	Shut-In(2)
275	1064.72	130.04	End Shut-In(2)
276	2272.34	130.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
540.00	Mud 80% Gas 20%	5.39

Gas Rates

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



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TOOL DIAGRAM

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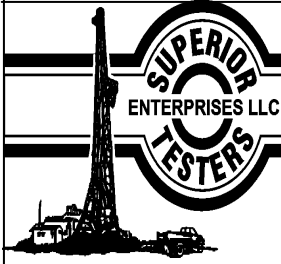
Tool Information

Drill Pipe:	Length: 4407.00 ft	Diameter: 3.80 inches	Volume: 61.82 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 63.00 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4660.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	126.00 ft			
Tool Length:	149.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	4642.00	
Hydraulic Tool	5.00			4647.00	
Jars	6.00			4653.00	
Safety Joint	2.00			4655.00	
Packer	5.00			4660.00	23.00 Bottom Of Top Packer
Anchor	24.00			4684.00	126.00 Tool Interval
Packer	5.00			4689.00	
Change Over Sub	0.75			4689.75	
Drill Pipe	90.50		Outside	4780.25	
Change Over Sub	0.75		Outside	4781.00	
Anchor	0.00			4781.00	
Recorder	1.00	8524	Inside	4782.00	
Recorder	1.00	8525	Outside	4783.00	
Bullnose	3.00			4786.00	1000148.00 Bottom Packers & Anchor

Total Tool Length: 149.00



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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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psia

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
540.00	Mud 80% Gas 20%	5.388

Total Length: 540.00 ft Total Volume: 5.388 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8524

Inside

Woolsey Operating Company

33-34s-11w barber

DST Test Number: 1

Pressure vs. Time

