



DRILL STEM TEST REPORT

Woolsey Operating Company LLC

Weckworth #3

125 N Market STE 1000 Wichita KS 67202+1729

9-35-12 Barber

Job Ticket: 15823

DST#: 2

ATTN: Bill

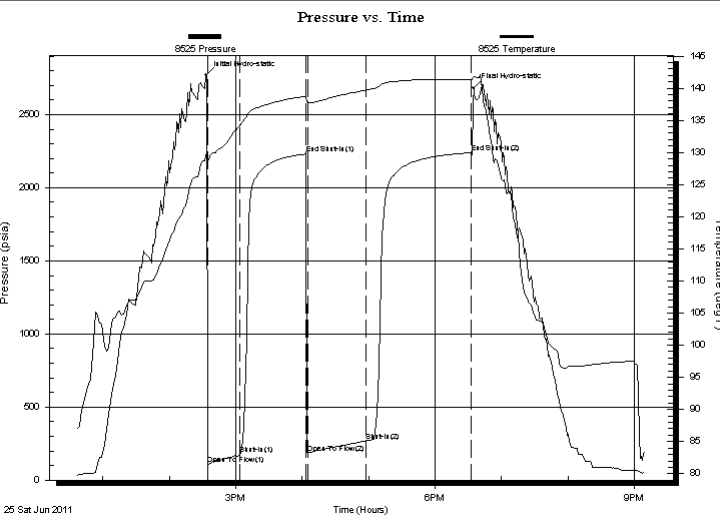
Test Start: 2011.06.25 @ 12:36:00

GENERAL INFORMATION:

Formation: **Simpson Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:34:30
 Time Test Ended: 21:09:30
 Interval: **5380.00 ft (KB) To 5410.00 ft (KB) (TVD)**
 Total Depth: 5410.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-GB-
 Reference Elevations: 1420.00 ft (KB)
 1408.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8525 Inside
 Press @ RunDepth: 268.43 psia @ 5406.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.06.25 End Date: 2011.06.25 Last Calib.: 2011.06.25
 Start Time: 12:36:00 End Time: 21:09:30 Time On Btm: 2011.06.25 @ 14:33:30
 Time Off Btm: 2011.06.25 @ 18:35:00

TEST COMMENT: 30/Initial Open:Fair blow built bottom of bucket in 25 minutes
 60/Initial Shut In:No blow back
 60/Final Open:Fair blow built bottom of bucket in 24 minutes
 90/Final Shut In: No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2770.34	130.06	Initial Hydro-static
1	108.87	128.96	Open To Flow (1)
31	174.52	134.27	Shut-In(1)
90	2230.82	138.72	End Shut-In(1)
92	185.86	137.88	Open To Flow (2)
144	268.43	139.68	Shut-In(2)
240	2239.87	141.37	End Shut-In(2)
242	2681.73	141.78	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	Spot Oil cut w atery mud	0.84
0.00	2%oil 35%w ater 63%mud	0.00
95.00	Muddy w ater 25%mud 75%w ater	1.33
190.00	Muddy w ater 10%mud 90%w ater	2.67
0.00	Chlorides 110,000	0.00
0.00	Resisitivity .75 @ 100 degrees	0.00

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: 5368.00 ft	Diameter: 3.80 inches	Volume: 75.30 bbl	Tool Weight: 1000.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 75.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	5380.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	5357.00	
Hydraulic Tool	5.00			5362.00	
Jars	6.00			5368.00	
Safety Joint	2.00			5370.00	
Packer	5.00			5375.00	28.00 Bottom Of Top Packer
Packer	5.00			5380.00	
Anchor	25.00			5405.00	
Recorder	1.00	8525	Inside	5406.00	
Recorder	1.00	8524	Outside	5407.00	
Bullnose	3.00			5410.00	30.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



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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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.40 in³

Gas Cushion Type:

Resistivity: 0.75 ohm.m

Gas Cushion Pressure:

psia

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Spot Oil cut w atery mud	0.842
0.00	2%oil 35%w ater 63%mud	0.000
95.00	Muddy w ater 25%mud 75%w ater	1.333
190.00	Muddy w ater 10%mud 90%w ater	2.665
0.00	Chlorides 110,000	0.000
0.00	Resisitivity .75 @ 100 degrees	0.000

Total Length: 345.00 ft Total Volume: 4.840 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Chlorides 110,000 / Resistivity .75 @ 100 degrees

Pressure vs. Time

