



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Russell Oil, Inc.
 PO Box 8050
 Edmond, OK 73083
 ATTN: Kitt Noah

28-15s-34w-Logan/KS

Deanna 'E' #1-28

Job Ticket: **DST#: 3**

Test Start: 2012.02.19 @ 05:19:00

GENERAL INFORMATION:

Formation: **Altamont-B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:41:30
 Time Test Ended: 11:36:20
 Interval: **4347.00 ft (KB) To 4362.00 ft (KB) (TVD)**
 Total Depth: 4362.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Smith
 Unit No: 37
 Reference Elevations: 3052.00 ft (KB)
 3042.00 ft (CF)
 KB to GR/CF: 10.00 ft

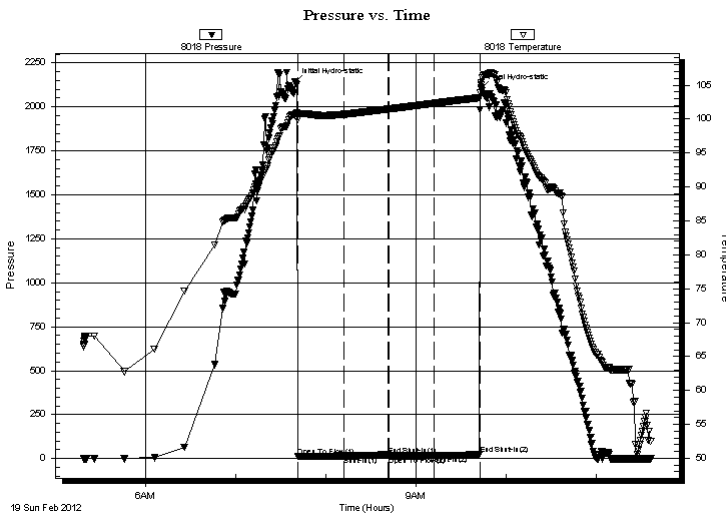
Serial #: 8018

Inside

Press @ Run Depth: 16.49 psig @ 4348.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.02.19 End Date: 2012.02.19 Last Calib.: 2012.02.19
 Start Time: 05:19:02 End Time: 11:36:20 Time On Btm: 2012.02.19 @ 07:39:40
 Time Off Btm: 2012.02.19 @ 09:43:20

TEST COMMENT: 1/2 Inch blow died @ 10 min
 No return
 Surface blow w
 Weak surface blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2140.92	100.62	Initial Hydro-static
2	12.63	99.87	Open To Flow (1)
33	14.89	100.70	Shut-In(1)
62	21.51	101.49	End Shut-In(1)
63	14.95	101.49	Open To Flow (2)
93	16.49	102.32	Shut-In(2)
123	21.75	103.16	End Shut-In(2)
124	2106.32	105.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M 100m oil spots in tool	0.05

* Recovery from multiple tests

Gas Rates

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



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TOOL DIAGRAM

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Tool Information

Drill Pipe:	Length: 4255.00 ft	Diameter: 3.80 inches	Volume: 59.69 bbl	Tool Weight: 2500.00 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: 90.00 ft	Diameter: 2.25 inches	Volume: 0.44 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 60.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4347.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4328.00	
Shut In Tool	5.00			4333.00	
Hydraulic tool	5.00			4338.00	
Packer	5.00			4343.00	20.00 Bottom Of Top Packer
Packer	4.00			4347.00	
Stubb	1.00			4348.00	
Recorder	0.00	8018	Inside	4348.00	
Recorder	0.00	6751	Outside	4348.00	
Perforations	11.00			4359.00	
Bullnose	3.00			4362.00	15.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



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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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 78000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M 100m oil spots in tool	0.049

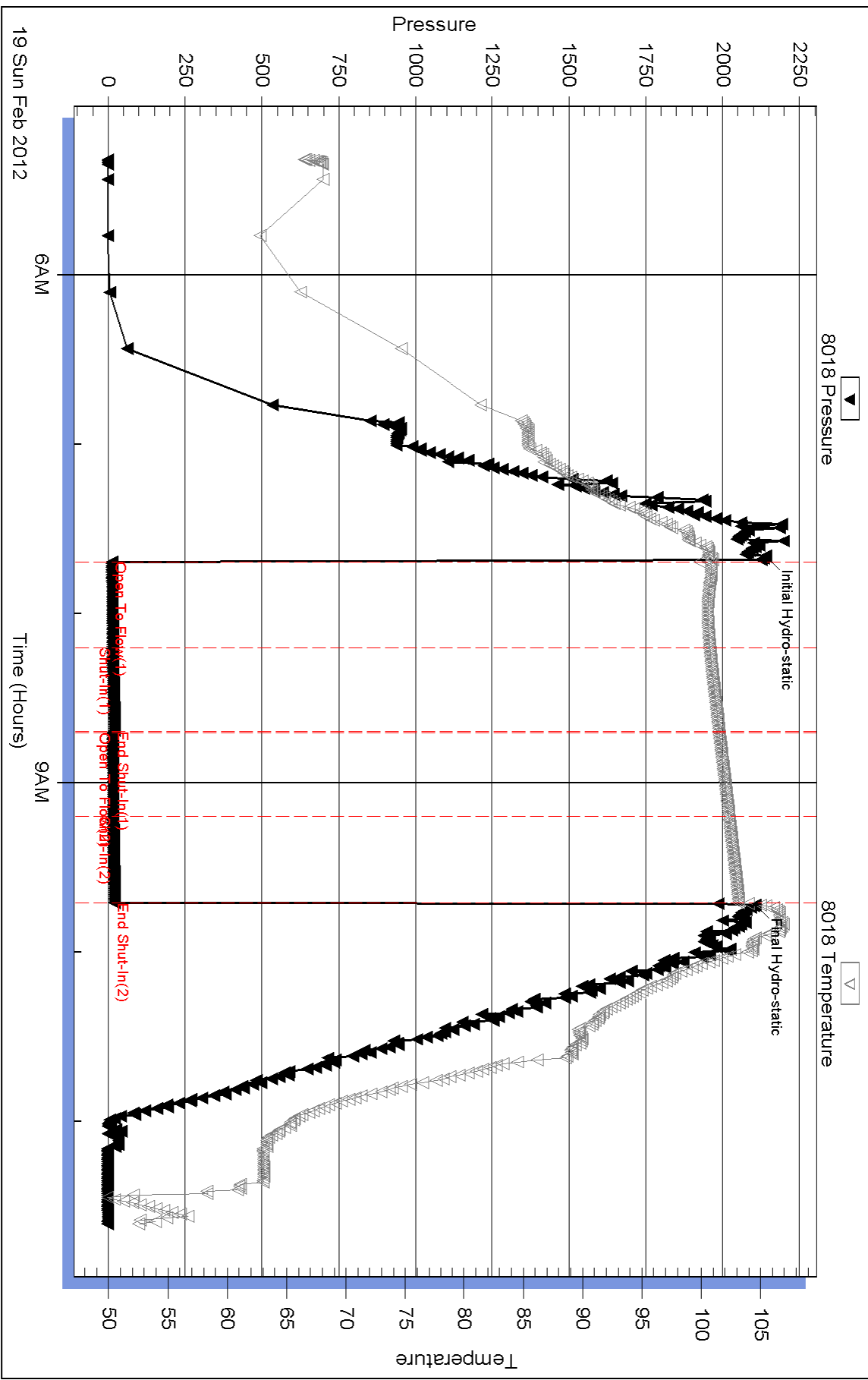
Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time



Serial #: 6751

Outside Russell Oil, Inc.

Deanna 'E #1-28

DST Test Number: 3

