



DRILL STEM TEST REPORT

Prepared For: **Falcon Exploration Inc**

125 N Market Ste1252
Wichita KS 67202

ATTN: Wes Hansen

33 30S 22W Clark KS

YBC(se) #1-33

Start Date: 2007.01.06 @ 01:54:16

End Date: 2007.01.06 @ 15:03:31

Job Ticket #: 27052 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



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TESTING, INC.

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ATTN: Wes Hansen

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DST#: 1

Test Start: 2007.01.06 @ 01:54:16

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:04:31

Time Test Ended: 15:03:31

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **5240.00 ft (KB) To 5288.00 ft (KB) (TVD)**

Total Depth: 5288.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2309.00 ft (KB)

2299.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8167

Inside

Press@RunDepth: 156.29 psig @ 5241.00 ft (KB)

Start Date: 2007.01.06

End Date:

2007.01.06

Capacity: 7000.00 psig

Last Calib.: 2007.01.06

Start Time: 01:54:21

End Time:

15:03:31

Time On Btm: 2007.01.06 @ 06:03:46

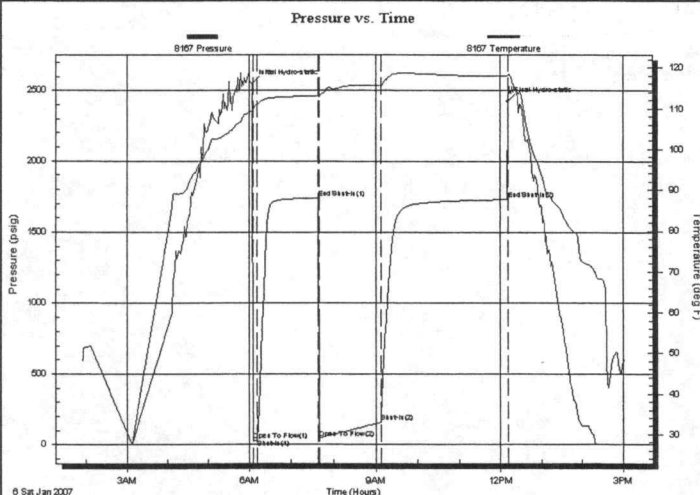
Time Off Btm: 2007.01.06 @ 12:11:16

TEST COMMENT: IF Strong blow BOB in 6 secs.

ISI Weak surface blow Dead in 35 mins.

FF Strong blow BOB in 1 - 2 secs. GTS in 45 mins.(see gas flow report)

FSI Weak blow 1/4 - 1 1/2 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2547.96	109.35	Initial Hydro-static
1	31.50	109.05	Open To Flow (1)
7	33.29	111.00	Shut-In (1)
95	1740.48	113.13	End Shut-In (1)
97	44.75	112.94	Open To Flow (2)
184	156.29	115.57	Shut-In (2)
368	1730.05	117.90	End Shut-In (2)
368	2425.61	118.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	SW Rw .15 OHMS @ 59 deg	1.75
60.00	GCMW 4%G 32%M 64%W	0.84
95.00	GCM 18%G 72%M	1.33

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	2.00	6.14
Last Gas Rate	0.13	6.00	7.64
Max. Gas Rate	0.13	6.00	7.64



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TOOL DIAGRAM

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DST#: 1

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Tool Information

Drill Pipe:	Length: 5231.00 ft	Diameter: 3.80 inches	Volume: 73.38 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	73.38 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	5240.00 ft			Final 57500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	76.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5213.00	
Shut In Tool	5.00			5218.00	
Hydraulic tool	5.00			5223.00	
Jars	5.00			5228.00	
Safety Joint	3.00			5231.00	
Packer	4.00			5235.00	28.00 Bottom Of Top Packer
Packer	5.00			5240.00	
Stubb	1.00			5241.00	
Recorder	0.00	8167	Inside	5241.00	
Perforations	9.00			5250.00	
Change Over Sub	1.00			5251.00	
Blank Spacing	31.00			5282.00	
Change Over Sub	1.00			5283.00	
Recorder	0.00	11019	Outside	5283.00	
Bullnose	5.00			5288.00	48.00 Bottom Packers & Anchor

Total Tool Length: 76.00



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FLUID SUMMARY

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Test Start: 2007.01.06 @ 01:54:16

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 10.39 in³

Resistivity: 0.00 ohm.m

Salinity: 8500.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

60000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	SW Rw .15 OHMS @ 59 deg	1.753
60.00	GCMW 4%G 32%M 64%W	0.842
95.00	GCM 18%G 72%M	1.333

Total Length: 280.00 ft

Total Volume: 3.928 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



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GAS RATES

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DST#:1

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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	50	0.13	2.00	6.14
2	50	0.13	2.00	6.14
2	60	0.13	4.00	6.89
2	70	0.13	5.00	7.26
2	80	0.13	6.00	7.64

Serial #: 8167

Inside

Falcon Exploration Inc

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DST Test Number: 1

