



DRILL STEM TEST REPORT

Prepared For: **Strata Exploration Inc.**

PO Box 401
Fairfield IL 62837

ATTN: Jon Christensen

4-28s-18w Kiowa KS

Sampson #1-4

Start Date: 2011.03.05 @ 03:13:59

End Date: 2011.03.05 @ 10:59:44

Job Ticket #: 41627 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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TESTING, INC**

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Test Start: 2011.03.05 @ 03:13:59

GENERAL INFORMATION:

Formation: **MISS CHERT**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:11:44

Time Test Ended: 10:59:44

Test Type: Conventional Bottom Hole

Tester: Chris Staats

Unit No: 34

Interval: 4763.00 ft (KB) To 4819.00 ft (KB) (TVD)

Reference Elevations: 2212.00 ft (KB)

Total Depth: 4234.00 ft (KB) (TVD)

2203.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8166 Outside

Press @ Run Depth: 1248.67 psig @ 4764.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.03.05

End Date:

2011.03.05

Last Calib.:

2011.03.05

Start Time: 03:14:04

End Time:

10:59:43

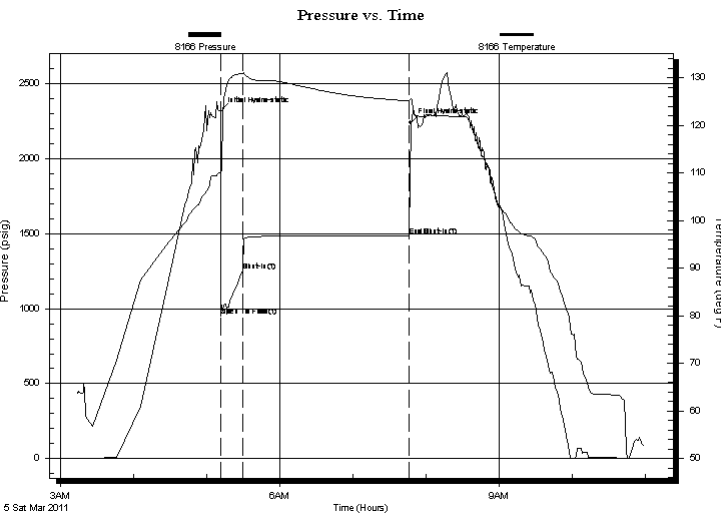
Time On Btm:

2011.03.05 @ 05:11:29

Time Off Btm:

2011.03.05 @ 07:47:14

TEST COMMENT: IF: Strong blow BOB 3 sec GTS 5 min
IS: Choke plugged off with hulls. Had oil to surface in approx 15 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2316.26	110.11	Initial Hydro-static
1	951.20	109.37	Open To Flow (1)
18	1248.67	130.94	Shut-In(1)
155	1483.96	125.16	End Shut-In(1)
156	2239.60	125.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
122.00	Gassy muddy oil 20% gas 85% oil 55 mu	0.60
4617.00	Oil	64.19

Gas Rates

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



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TOOL DIAGRAM

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Test Start: 2011.03.05 @ 03:13:59

Tool Information

Drill Pipe:	Length: 4563.00 ft	Diameter: 3.80 inches	Volume: 64.01 bbl	Tool Weight:	2400.00 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: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 64.92 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	78000.00 lb
Depth to Top Packer:	4763.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	56.00 ft				
Tool Length:	80.00 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	2.00			4741.00	
Shut In Tool	5.00			4746.00	
Hydraulic tool	5.00			4751.00	
Jars	0.00			4751.00	
Safety Joint	3.00			4754.00	
Packer	4.00			4758.00	24.00 Bottom Of Top Packer
Packer	5.00			4763.00	
Stubb	1.00			4764.00	
Recorder	0.00	8166	Outside	4764.00	
Recorder	0.00	6773	Inside	4764.00	
Drill Pipe	32.00			4796.00	
Perforations	20.00			4816.00	
Bullnose	3.00			4819.00	56.00 Bottom Packers & Anchor

Total Tool Length: 80.00



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FLUID SUMMARY

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Test Start: 2011.03.05 @ 03:13:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.16 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
122.00	Gassy muddy oil 20% gas 85% oil 55 mud	0.600
4617.00	Oil	64.190

Total Length: 4739.00 ft

Total Volume: 64.790 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

