

DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr**

1670 Broadway Suite 3300
Denver CO 80202

ATTN: Tom Fertal

27-17s-10w-Ellsworth

Schepmann 1-27

Start Date: 2005.09.29 @ 09:44:54

End Date: 2005.09.29 @ 20:46:09

Job Ticket #: 23689 DST #: 1

15 - 053 - 21154

SE SW SE

330 FSL 1700 FEL

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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Test Start: 2005.09.29 @ 09:44:54

GENERAL INFORMATION:

Formation: ARB

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:05:39

Time Test Ended: 20:46:09

Test Type: Conventional Bottom Hole

Tester: Joe

Unit No: 13

Interval: 3315.00 ft (KB) To 3342.00 ft (KB) (TVD)

Total Depth: 3342.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1844.00 ft (KB)

1834.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6751

Inside

Press@RunDepth: 249.56 psig @ 3316.00 ft (KB)

Start Date: 2005.09.29

End Date:

2005.09.29

Capacity: 7000.00 psig

Last Calib.: 2005.09.29

Start Time: 09:44:56

End Time:

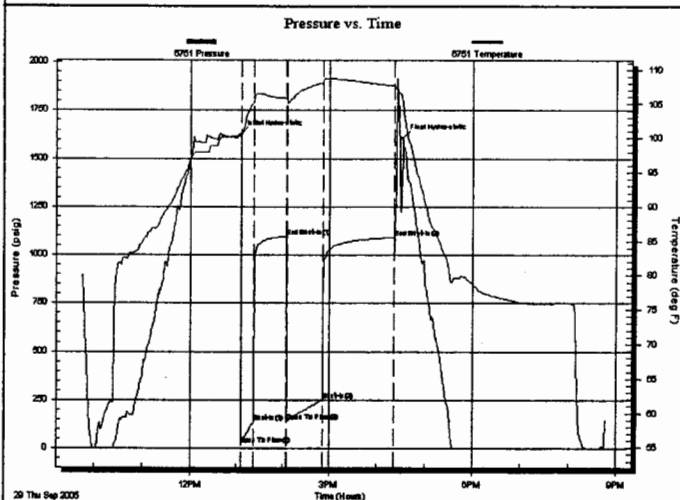
20:46:09

Time On Btm: 2005.09.29 @ 13:05:24

Time Off Btm: 2005.09.29 @ 16:31:39

TEST COMMENT: IF-Good Blow Built to BOB in 9 min
FF-Good Blow Built to BOB in 9 min

ISI-Weak Surface Blow back throughout shut in
FSI-Weak surface blo



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1625.71	100.37	Initial Hydro-static
1	20.34	100.13	Open To Flow (1)
18	136.26	105.21	Shut-In(1)
60	1097.77	105.81	End Shut-In(1)
61	141.05	105.55	Open To Flow (2)
106	249.56	108.06	Shut-In(2)
197	1090.47	107.67	End Shut-In(2)
207	1606.42	105.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GIP	0.30
93.00	Clean Oil	0.46
62.00	Gassy Oil 20%G80%O	0.30
248.00	GMCO10%G20%M70%O	1.64
155.00	OCM60%M40%O	1.18
62.00	OCMM10%O20%W70%M	0.47

Gas Rates

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

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Job Ticket: 23689

DST#: 1

ATTN: Tom Fertal

Test Start: 2005.09.29 @ 09:44:54

Tool Information

Drill Pipe:	Length: 3317.00 ft	Diameter: 2.80 inches	Volume: 25.26 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose:	80000.00 lb
			Total Volume: 26.78 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	339.00 ft			String Weight: Initial	40500.00 lb
Depth to Top Packer:	3315.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	27.00 ft				
Tool Length:	54.00 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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Shut In Tool	5.00			3293.00	
Hydraulic tool	5.00			3298.00	
Jars	5.00			3303.00	
Safety Joint	2.00			3305.00	
Packer	5.00			3310.00	27.00 Bottom Of Top Packer
Packer	5.00			3315.00	
Stubb	1.00			3316.00	
Recorder	0.00	6751	Inside	3316.00	
Perforations	23.00			3339.00	
Recorder	0.00	13548	Inside	3339.00	
Bullnose	3.00			3342.00	27.00 Bottom Packers & Anchor

Total Tool Length: 54.00



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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: 42.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GIP	0.305
93.00	Clean Oil	0.457
62.00	Gassy Oil 20%G80%O	0.305
248.00	GMCO10%G20%M70%O	1.638
155.00	OCM60%M40%O	1.180
62.00	OCVM10%O20%W70%M	0.472

Total Length: 682.00 ft

Total Volume: 4.357 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

