

## DRILL STEM TEST REPORT

Prepared For: **Enterprise, Inc.**

2708 Barclay  
Hays, Ks. 67601

ATTN: Steve Weilert

**5-14s--20w**

**Gable # 1**

Start Date: 2005.08.29 @ 16:53:41

End Date: 2005.08.29 @ 23:16:11

Job Ticket #: 22138                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
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TESTING, INC.**

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**Gable # 1**

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Job Ticket: 22138

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Test Start: 2005.08.29 @ 16:53:41

## GENERAL INFORMATION:

Formation: **Regan**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 18:37:41

Time Test Ended: 23:16:11

Test Type: **Conventional Straddle**

Tester: **John Schmidt**

Unit No: **31**

Interval: **3882.00 ft (KB) To 3921.00 ft (KB) (TVD)**

Reference Elevations: **2282.00 ft (KB)**

Total Depth: **3975.00 ft (KB) (TVD)**

**2277.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **5.00 ft**

## Serial #: 8018

**Inside**

Press@RunDepth: **895.37 psig @ 3886.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.08.29**

End Date:

**2005.08.29**

Last Calib.:

**2005.08.29**

Start Time: **16:53:46**

End Time:

**23:16:10**

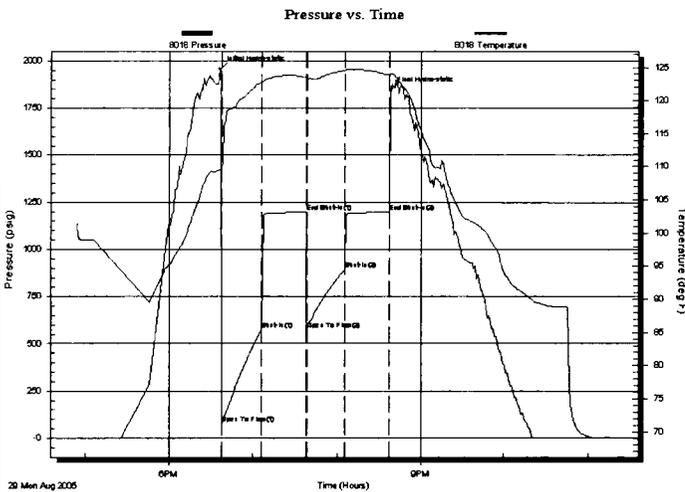
Time On Btrm

**2005.08.29 @ 18:36:11**

Time Off Btrm

**2005.08.29 @ 20:38:11**

TEST COMMENT: **F-Strong B.O.B.2 min. IS-Dead**  
**FF-Strong B.O.B.2 min. FSI-Dead**



## PRESSURE SUMMARY

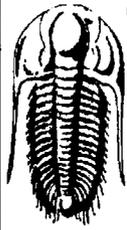
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1955.08	109.48	Initial Hydro-static
2	78.32	109.55	Open To Flow (1)
30	575.93	122.68	Shut-In(1)
62	1197.16	123.42	End Shut-In(1)
62	571.84	122.96	Open To Flow (2)
90	895.37	124.50	Shut-In(2)
121	1196.68	123.86	End Shut-In(2)
122	1841.01	124.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1960.00	Muddy S.W 15 %M--85%W	27.49

## 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: 3882.00 ft	Diameter: 3.80 inches	Volume: 54.45 bbl	Tool Weight: 2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 54.45 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3882.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	3921.00 ft			
Interval between Packers:	39.00 ft			
Tool Length:	113.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3863.00	
Shut In Tool	5.00			3868.00	
Hydraulic tool	5.00			3873.00	
Packer	4.00			3877.00	20.00 Bottom Of Top Packer
Packer	5.00			3882.00	
Stubb	1.00			3883.00	
Perforations	2.00			3885.00	
Change Over Sub	1.00			3886.00	
Recorder	0.00	8018	Inside	3886.00	
Blank Spacing	29.00			3915.00	
Change Over Sub	1.00			3916.00	
Perforations	4.00			3920.00	
Recorder	0.00	13308	Outside	3920.00	
Blank Off Sub	1.00			3921.00	39.00 Tool Interval
Packer	0.00			3921.00	
Stubb	1.00			3922.00	
Perforations	17.00			3939.00	
Change Over Sub	1.00			3940.00	
Recorder	0.00	11084	Below	3940.00	
Blank Spacing	31.00			3971.00	
Change Over Sub	1.00			3972.00	
Bullnose	3.00			3975.00	54.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>113.00</b>				



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**FLUID SUMMARY**

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ATTN: Steve Weilert

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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:

32000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1960.00	Muddy S.W 15 %M-85%W	27.494

Total Length: 1960.00 ft

Total Volume: 27.494 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

