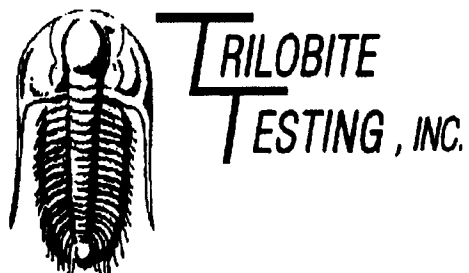


End



DRILL STEM TEST REPORT

Prepared For: **Griffin Mangment**

177 Old HWY. 40
P.O. Box 670
Byers CO. 80103

ATTN: Kim Shoemaker

26/34s/9w Harper KS

Koblitz #1

Start Date: 2009.10.08 @ 18:52:43

End Date: 2009.10.09 @ 06:23:13

Job Ticket #: 35117 DST #: 1

15-077 21655-0000

NW NE NW
330 FNL 3630 FEL

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Griffin Mangment

Koblitz #1

26/34s/9w Harper KS

DST # 1

Mississippi

2009.10.08


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Griffin Mangment

Koblitz #1

 177 Old HWY. 40
 P.O. Box 670
 Byers CO. 80103
 ATTN: Kim Shoemaker

26/34s/9w Harper KS
 Job Ticket: 35117 **DST#: 1**
 Test Start: 2009.10.08 @ 18:52:43

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:48:58

Time Test Ended: 06:23:13

Test Type: Conventional Bottom Hole

Tester: Kevin Taylor

Unit No: 31

Interval: **4591.00 ft (KB) To 4630.00 ft (KB) (TVD)**

Total Depth: 4630.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1291.00 ft (KB)

1280.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8358 **Inside**

Press@RunDepth: 34.91 psig @ 4592.00 ft (KB)

Start Date: 2009.10.08

End Date:

2009.10.09

Start Time: 18:52:48

End Time:

06:23:13

Capacity: 8000.00 psig

Last Calib.: 2009.10.09

Time On Btm: 2009.10.08 @ 23:48:13

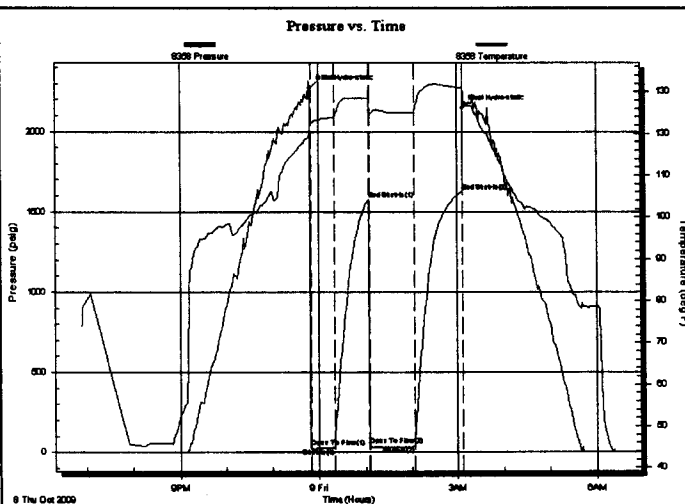
Time Off Btm: 2009.10.09 @ 03:06:43

TEST COMMENT: I.F. Strong Blow B.O.B. 35 Sec.

I.S.I. Bled Off 5 Min No Blow

F.F. Strong Blow B.O.B. Immediately (GTS 3 Min TSTM)

F.S.I. Bled Off 5 Min No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2269.57	120.28	Initial Hydro-static
1	30.09	121.88	Open To Flow (1)
32	26.66	123.91	Shut-In(1)
76	1577.54	128.38	End Shut-In(1)
77	42.46	124.74	Open To Flow (2)
136	34.91	125.07	Shut-In(2)
199	1625.82	130.93	End Shut-In(2)
199	2143.17	131.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
59.00	OGCM 3%G 2%O 95%M	0.86

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Griffin Mangment

Koblitz #1

177 Old HWY. 40
P.O. Box 670
Byers CO. 80103
ATTN: Kim Shoemaker

26/34s/9w Harper KS
Job Ticket: 35117 **DST#: 1**
Test Start: 2009.10.08 @ 18:52:43

Tool Information

Drill Pipe:	Length: 4567.00 ft	Diameter: 3.88 inches	Volume: 66.79 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:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 66.79 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4591.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	39.00 ft				
Tool Length:	67.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4568.00	
Hydraulic tool	5.00			4573.00	
Jars	5.00			4578.00	
Safety Joint	3.00			4581.00	
Packer	5.00			4586.00	28.00 Bottom Of Top Packer
Packer	5.00			4591.00	
Stubb	1.00			4592.00	
Recorder	0.00	8358	Inside	4592.00	
Recorder	0.00	6668	Inside	4592.00	
Perforations	35.00			4627.00	
Bullnose	3.00			4630.00	39.00 Bottom Packers & Anchor

Total Tool Length: 67.00

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	Griffin Mangment 177 Old HWY. 40 P.O. Box 670 Byers CO. 80103 ATTN: Kim Shoemaker	Koblitz #1 26/34s/9w Harper KS Job Ticket: 35117 DST#: 1 Test Start: 2009.10.08 @ 18:52:43	

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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information		
Recovery Table		
Length ft	Description	Volume bbl
59.00	OGCM 3%G 2%O 95%M	0.863

Total Length: 59.00 ft	Total Volume: 0.863 bbl	
Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:
Laboratory Name:	Laboratory Location:	
Recovery Comments:		

Pressure vs. Time

