

**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Energy Investment Partners, LLC

Zimmerman #1-34

PO Box 225878
Dallas, TX 75222

34-33s-1w Sumner,KS

ATTN: Roger Fisher

Job Ticket: 039207

DST#: 1

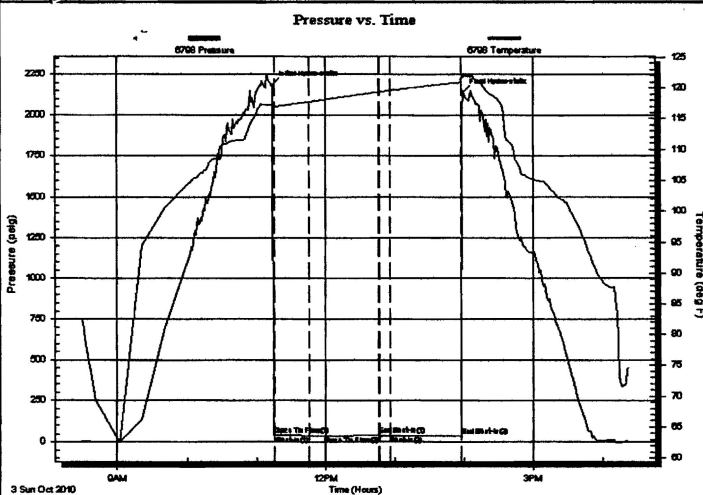
Test Start: 2010.10.03 @ 08:29:38

GENERAL INFORMATION:

Formation: **Simpson Sand**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 11:15:38
 Time Test Ended: 16:22:08
 Interval: *4327.00 ft (KB) To 4337.00 ft (KB) (TVD)
 Total Depth: 4337.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Jerry Adams
 Unit No: 45
 Reference Elevations: * 1212.00 ft (KB)
 1202.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6798 Inside
 Press@RunDepth: 35.76 psig @ 4328.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.10.03 End Date: 2010.10.03 Last Calib.: 2010.10.03
 Start Time: 08:29:39 End Time: 16:22:08 Time On Btm: 2010.10.03 @ 11:13:38
 Time Off Btm: 2010.10.03 @ 13:59:08

TEST COMMENT: IF:Weak surface blow.
 IS:No blow.
 FF:No blow.
 FS:No blow.



PRESSURE SUMMARY

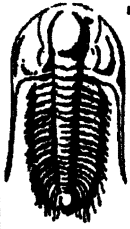
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.51	117.30	Initial Hydro-static
2	42.21	116.99	Open To Flow (1)
32	37.55	117.71	Shut-In(1)
92	40.84	119.36	End Shut-In(1)
93	37.51	119.38	Open To Flow (2)
102	35.76	119.60	Shut-In(2)
164	37.86	120.94	End Shut-In(2)
166	2141.57	121.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud 100%m	0.07

Gas Rates

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



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TOOL DIAGRAM

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ATTN: Roger Fisher

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Tool Information

Drill Pipe:	Length: 4324.00 ft	Diameter: 3.80 inches	Volume: 60.65 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 60.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4327.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 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			4304.00	
Hydraulic tool	5.00			4309.00	
Jars	5.00			4314.00	
Safety Joint	3.00			4317.00	
Packer	5.00			4322.00	28.00 Bottom Of Top Packer
Packer	5.00			4327.00	
Stubb	1.00			4328.00	
Recorder	0.00	6798	Inside	4328.00	
Recorder	0.00	8367	Outside	4328.00	
Perforations	3.00			4331.00	
Bullnose	6.00			4337.00	10.00 Bottom Packers & Anchor

Total Tool Length: 38.00



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FLUID SUMMARY

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Job Ticket: 039207 **DST#: 1**

ATTN: Roger Fisher

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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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.96 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 0.21 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling Mud 100% _m	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:

