

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **V.J.I. Natural Resources Inc**

1584 Smoky Hill River Road
Hays, Ks. 67601

ATTN: Bob Stozle

6-24s-18w-Edwards

Mages Nightingale #2

Start Date: 2005.03.29 @ 18:26:46

End Date: 2005.03.30 @ 03:13:31

Job Ticket #: 21040 DST #: 1

API# 15-047-21501-00-00

**RECEIVED
OCT 07 2005
KCC WICHITA**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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Job Ticket: 21040 DST#: 1

Test Start: 2005.03.29 @ 18:26:46

GENERAL INFORMATION:

Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:05:16
 Time Test Ended: 03:13:31

Test Type: Conventional Straddle
 Tester: Jason McLemore
 Unit No: 32

Interval: **4398.00 ft (KB) To 4426.00 ft (KB) (TVD)**
 Total Depth: 4500.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2135.00 ft (KB)
 2130.00 ft (CF)
 KB to GR/CF: 5.00 ft

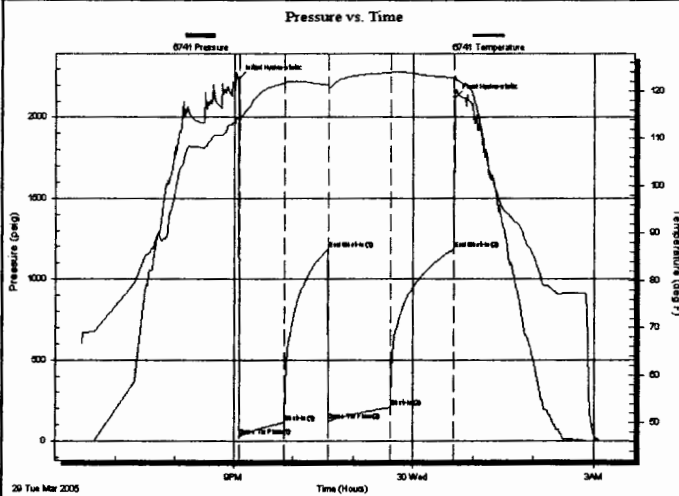
Serial #: 6741

Inside

Press@RunDepth: 207.99 psig @ 4402.00 ft (KB)
 Start Date: 2005.03.29 End Date: 2005.03.30
 Start Time: 18:26:48 End Time: 03:13:31

Capacity: 7000.00 psig
 Last Calib.: 1899.12.30
 Time On Btrr: 2005.03.29 @ 21:05:01
 Time Off Btrr: 2005.03.30 @ 00:41:31

TEST COMMENT: IFP-Fair Blow, BOB in 22 Min.
 ISI-Surface Blow back After 29 Min.
 FFP-Fair Blow, BOB in 33 Min.
 FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2237.73	114.50	Initial Hydro-static
1	30.79	113.94	Open To Flow (1)
47	113.48	121.73	Shut-In(1)
90	1183.65	121.31	End Shut-In(1)
91	125.27	120.91	Open To Flow (2)
153	207.99	123.86	Shut-In(2)
216	1188.38	122.81	End Shut-In(2)
217	2122.61	123.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	muddy water, oil scum in tool	5.05

Gas Rates

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



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TOOL DIAGRAM

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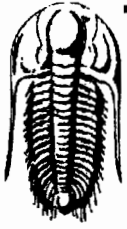
Test Start: 2005.03.29 @ 18:26:46

Tool Information

Drill Pipe:	Length: 4379.00 ft	Diameter: 3.80 inches	Volume: 61.43 bbl	Tool Weight: 3500.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 47000.00 lb
			<u>Total Volume: 61.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4398.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	4426.00 ft			
Interval between Packers:	28.00 ft			
Tool Length:	129.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4371.00	
Shut In Tool	5.00			4376.00	
Hydraulic tool	5.00			4381.00	
Jars	5.00			4386.00	
Safety Joint	2.00			4388.00	
Packer	5.00			4393.00	28.00 Bottom Of Top Packer
Packer	5.00			4398.00	
Stubb	1.00			4399.00	
Perforations	3.00			4402.00	
Recorder	0.00	6741	Inside	4402.00	
Perforations	20.00			4422.00	
Recorder	0.00	13252	Inside	4422.00	
Blank Off Sub	1.00			4423.00	
Blank Spacing	3.00			4426.00	28.00 Tool Interval
Packer	5.00			4431.00	
Change Over Sub	1.00			4432.00	
Recorder	0.00	13221	Below	4432.00	
Blank Spacing	63.00			4495.00	
Change Over Sub	1.00			4496.00	
Bullnose	3.00			4499.00	73.00 Bottom Packers & Anchor
Total Tool Length:	129.00				



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FLUID SUMMARY

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Test Start: 2005.03.29 @ 18:26:46

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:

81000 ppm

Viscosity: 80.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 12500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	muddy w ater,oil scum in tool	5.050

Total Length: 360.00 ft

Total Volume: 5.050 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

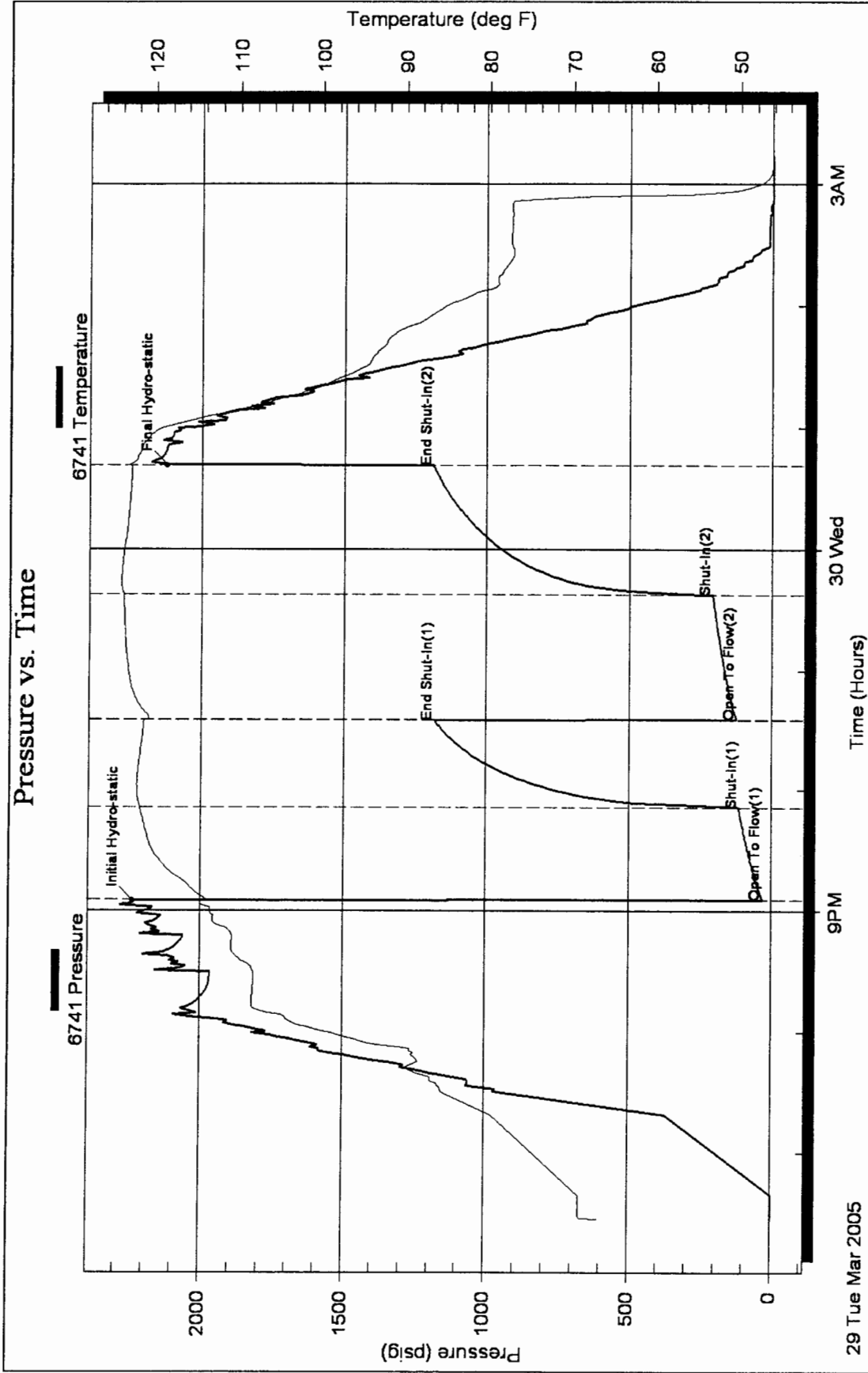
Serial #: 6741

Inside

V.J.I. Natural Resources Inc

6-24s-18w -Edwards

DST Test Number: 1



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Ref. No: 21040

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