

15-145-21492



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **VJI Natural Resources Inc**

30-38 48th st
Astoria New York 11103

ATTN: Jason Dinges

34-22s-17w Pawnee Ks

Frick #1-34

Start Date: 2004.05.12 @ 20:38:22

End Date: 2004.05.13 @ 01:09:51

Job Ticket #: 19306 DST #: 1

RECEIVED
NOV 23 2004
KCC WICHITA

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

VJI Natural Resources Inc

Frick #1-34

34-22s-17w Pawnee Ks

DST # 1

Cher Sd

2004.05.12



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

VJI Natural Resources Inc

Frick #1-34

30-38 48th st
Astoria New York 11103

34-22s-17w Pawnee Ks

Job Ticket: 19306 DST#: 1

ATTN: Jason Dinges

Test Start: 2004.05.12 @ 20:38:22

GENERAL INFORMATION:

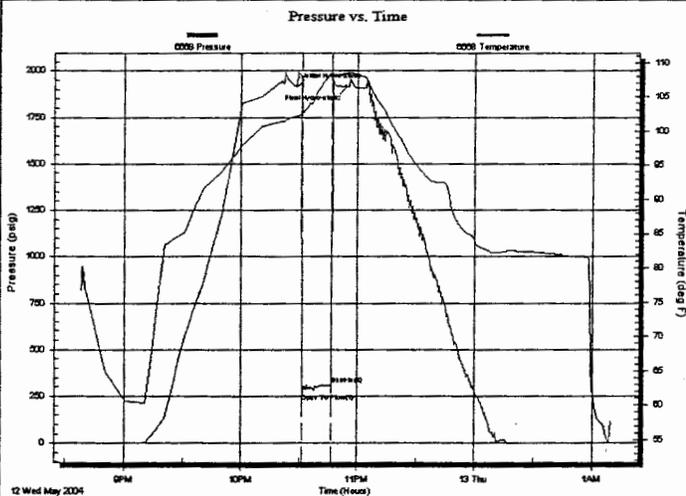
Formation: **Cher Sd**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: 22:31:21 Tester: **Ray Schwager**
 Time Test Ended: 01:09:51 Unit No: **28**
 Interval: **4085.00 ft (KB) To 4133.00 ft (KB) (TVD)** Reference Elevations: **2064.00 ft (KB)**
 Total Depth: **4133.00 ft (KB) (TVD)** **2059.00 ft (CF)**
 Hole Diameter: **7.85 inches** Hole Condition: **Poor** KB to GRV/CF: **5.00 ft**

Serial #: 6668

Inside

Press@RunDepth: **psig @ 4096.01 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2004.05.12** End Date: **2004.05.13** Last Calib.: **2004.05.13**
 Start Time: **20:38:22** End Time: **01:09:51** Time On Btm: **2004.05.12 @ 22:28:21**
 Time Off Btm: **2004.05.12 @ 22:53:51**

TEST COMMENT: IFP-strg bl GTS in 4 min
Times 15-out



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.75	102.17	Initial Hydro-static
3	217.90	102.43	Open To Flow (1)
19	310.71	108.71	Shut-In(1)
26	1914.40	108.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	GCM 10%gas 90%mud	1.47

Gas Rates

	Chcde (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	46.00	943.44
Last Gas Rate	0.75	73.00	1365.17
Max. Gas Rate	0.75	73.00	1365.17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

VJI Natural Resources Inc

Frick #1-34

30-38 48th st
Astoria New York 11103

34-22s-17w Pawnee Ks

Job Ticket: 19306

DST#: 1

ATTN: Jason Dinges

Test Start: 2004.05.12 @ 20:38:22

Tool Information

Drill Pipe:	Length: 4073.00 ft	Diameter: 3.80 inches	Volume: 57.13 bbl	Tool Weight: 2800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 57.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	4085.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.02 ft			
Tool Length:	76.02 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			4058.00	
Shut In Tool	5.00			4063.00	
Hydraulic tool	5.00			4068.00	
Jars	5.00			4073.00	
Safety Joint	2.00			4075.00	
Packer	5.00			4080.00	28.00 Bottom Of Top Packer
Packer	5.00			4085.00	
Stubb	1.00			4086.00	
Perforations	10.00			4096.00	
Recorder	0.01	6668	Inside	4096.01	
Perforations	34.00			4130.01	
Recorder	0.01			4130.02	
Bullnose	3.00			4133.02	48.02 Bottom Packers & Anchor

Total Tool Length: 76.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

VJI Natural Resources Inc

Frick #1-34

30-38 48th st
Astoria New York 11103

34-22s-17w Pawnee Ks

Job Ticket: 19306

DST#: 1

ATTN: Jason Dinges

Test Start: 2004.05.12 @ 20:38:22

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
105.00	GCM 10%gas 90%mud	1.473

Total Length: 105.00 ft

Total Volume: 1.473 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

VJI Natural Resources Inc

Frick #1-34

30-38 48th st
Astoria New York 11103

34-22s-17w Pawnee Ks

Job Ticket: 19306

DST#: 1

ATTN: Jason Dinges

Test Start: 2004.05.12 @ 20:38:22

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	5	0.75	46.00	943.44
1	10	0.75	66.00	1255.84
1	15	0.75	73.00	1365.17

Serial #: 6668

Inside

V/JI Natural Resources Inc

34-22s-17w Pawnee Ks

DST Test Number: 1

