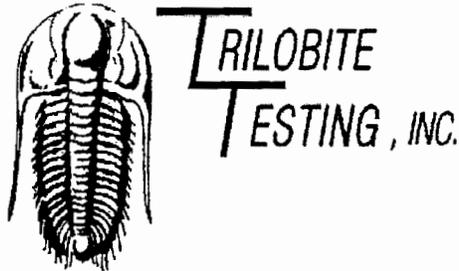


15-145-21494



DRILL STEM TEST REPORT

Prepared For: **VJI Natural Res Inc**

30-38 48th St
Astoria NY 11103

ATTN: Jason Dinges

34-22-17-Pawnee-Ks

Frick # 2-34

Start Date: 2004.07.14 @ 07:55:31

End Date: 2004.07.14 @ 13:16:31

Job Ticket #: 19463 DST #: 1

RECEIVED
 JUL 14 2004
 NCC-VISORIA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

VJI Natural Res Inc

Frick # 2-34

34-22-17-Pawnee-Ks

DST # 1

Cherokee Sd

2004.07.14



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

VJI Natural Res Inc

30-38 48th St
Astoria NY 11103

ATTN: Jason Dinges

Frick # 2-34

34-22-17-Pawnee-Ks

Job Ticket: 19463

DST#: 1

Test Start: 2004.07.14 @ 07:55:31

GENERAL INFORMATION:

Formation: **Cherokee Sd**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:03:31

Time Test Ended: 13:16:31

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **4084.00 ft (KB) To 4125.00 ft (KB) (TVD)**

Total Depth: 4125.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2060.00 ft (KB)

2055.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6799**

Inside

Press@RunDepth: 315.35 psig @ 4085.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.07.14

End Date:

2004.07.14

Last Calib.: 2004.07.14

Start Time: 07:55:32

End Time:

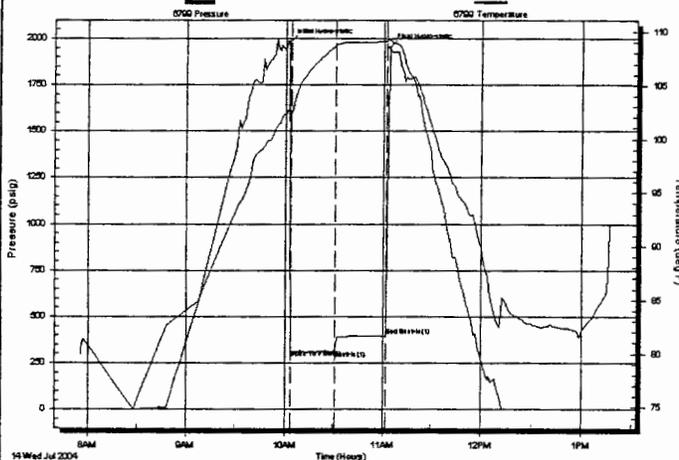
13:16:31

Time On Btm: 2004.07.14 @ 10:02:31

Time Off Btm: 2004.07.14 @ 11:03:31

TEST COMMENT: IF-Strong B-B in 20 sec - GTS in 5 min - Gauged - Sample taken Times-30-30

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1980.88	102.85	Initial Hydro-static
1	278.13	102.40	Open To Flow (1)
29	315.35	108.71	Shut-in(1)
60	395.20	109.13	End Shut-in(1)
61	1952.87	109.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	Gsy Mud	1.40

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	28.00	662.28
Last Gas Rate	0.75	60.00	1162.12
Max. Gas Rate	0.75	60.00	1162.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

VJI Natural Res Inc

Frick # 2-34

30-38 48th St
Astoria NY 11103

34-22-17-Pawnee-Ks

Job Ticket: 19463

DST#: 1

ATTN: Jason Dinges

Test Start: 2004.07.14 @ 07:55:31

Tool Information

Drill Pipe:	Length: 4077.00 ft	Diameter: 3.80 inches	Volume: 57.19 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 57.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	4084.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	70.00 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			4056.00	
Shut In Tool	5.00			4061.00	
Hydraulic tool	5.00			4066.00	
Jars	5.00			4071.00	
Safety Joint	3.00			4074.00	
Packer	5.00			4079.00	29.00 Bottom Of Top Packer
Packer	5.00			4084.00	
Stubb	1.00			4085.00	
Recorder	0.00	6799	Inside	4085.00	
Perforations	37.00			4122.00	
Recorder	0.00	13254	Outside	4122.00	
Bullnose	3.00			4125.00	41.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

VJI Natural Res Inc

Frick # 2-34

30-38 48th St
Astoria NY 11103

34-22-17-Pawnee-Ks

Job Ticket: 19463

DST#: 1

ATTN: Jason Dinges

Test Start: 2004.07.14 @ 07:55:31

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 14000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	Gsy Mud	1.403

Total Length: 100.00 ft Total Volume: 1.403 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 Res Inc

Frick # 2-34

30-38 48th St
Astoria NY 11103

34-22-17-Pawnee-Ks

Job Ticket: 19463

DST#: 1

ATTN: Jason Dingus

Test Start: 2004.07.14 @ 07:55:31

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	28.00	662.28
1	10	0.75	40.00	849.72
1	15	0.75	55.00	1084.02
1	20	0.75	60.00	1162.12
1	25	0.75	60.00	1162.12
1	30	0.75	60.00	1162.12

Serial #: 6799

Inside

VJI Natural Res Inc

34-22-17-Pawnee-Ks

DST Test Number: 1

