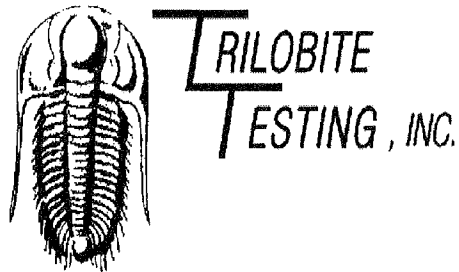


15-135-24338

34-20s-23w



DRILL STEM TEST REPORT

Prepared For: **Norstar Petroleum Inc**

5 Inverness Drive
Suite 120
Englewood, Colo

ATTN: Norstar Petroleum Inc

34-20-23 Ness, Ks

Byrom #3-34

Start Date: 2005.02.14 @ 04:40:40

End Date: 2005.02.14 @ 14:56:05

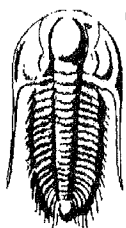
Job Ticket #: 20483

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Norstar Petroleum Inc

Byrom #3-34

5 Inverness Drive

Suite 120

Englewood, Colo

ATTN: Norstar Petroleum Incite 120

34-20-23 Ness, Ks

Job Ticket: 20483

DST#: 1

Test Start: 2005.02.14 @ 04:40:40

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:13:05

Time Test Ended: 14:56:05

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 25

Interval: **4309.00 ft (KB) To 4370.00 ft (KB) (TVD)**

Total Depth: 4370.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2250.00 ft (KB)

2238.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6771 Inside

Press@RunDepth: 395.60 psig @ 4310.00 ft (KB)

Start Date: 2005.02.14

End Date:

2005.02.14

Capacity: 7000.00 psig

Last Calib.: 2005.02.14

Start Time: 04:40:40

End Time:

14:56:05

Time On Btm: 2005.02.14 @ 07:12:50

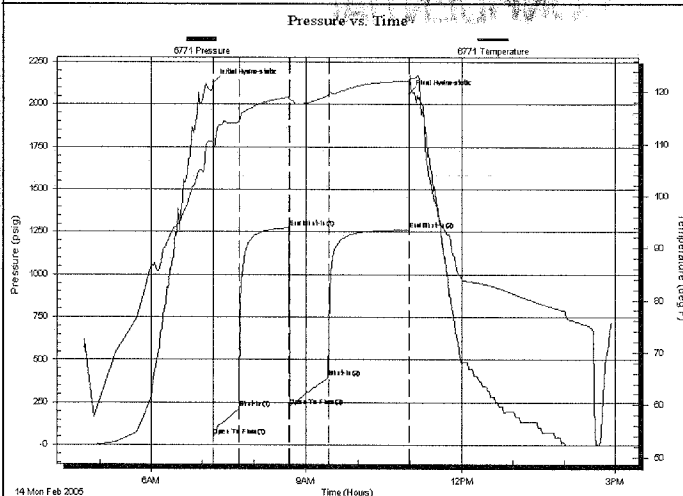
Time Off Btm: 2005.02.14 @ 10:58:50

TEST COMMENT: B.O.B. in 8 min.

4" in. return blow

4" in. @ open, B.O.B. in 5 min.

1 1/4" in. return blow



PRESSURE SUMMARY

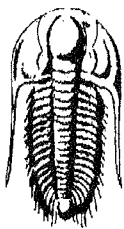
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2127.26	110.10	Initial Hydro-static
1	49.68	109.02	Open To Flow (1)
31	213.95	114.26	Shut-In(1)
89	1274.36	118.97	End Shut-In(1)
89	224.81	118.55	Open To Flow (2)
133	395.60	119.37	Shut-In(2)
226	1262.57	122.11	End Shut-In(2)
226	2061.76	122.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	s m c g o 10m 35g 55o	2.65
713.00	c g o 30g 70o	10.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Norstar Petroleum Inc

Byrom #3-34

5 Inverness Drive

34-20-23 Ness, Ks

Suite 120

Job Ticket: 20483

DST#: 1

Englewood, Colo

Test Start: 2005.02.14 @ 04:40:40

ATTN: Norstar Petroleum Incite 120

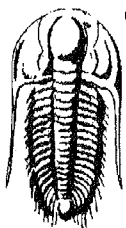
Tool Information

Drill Pipe:	Length: 4133.00 ft	Diameter: 3.80 inches	Volume: 57.98 bbl	Tool Weight: 1500.00 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 58.89 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4309.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	83.00 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			4288.00	
Shut In Tool	5.00			4293.00	
Hydraulic tool	5.00			4298.00	
Safety Joint	2.00			4300.00	
Packer	5.00			4305.00	22.00 Bottom Of Top Packer
Packer	4.00			4309.00	
Stubb	1.00			4310.00	
Recorder	0.00	6771	Inside	4310.00	
Perforations	22.00			4332.00	
Change Over Sub	1.00			4333.00	
Drill Pipe	31.00			4364.00	
Change Over Sub	1.00			4365.00	
Recorder	0.00	11057	Outside	4365.00	
Bullnose	5.00			4370.00	61.00 Bottom Packers & Anchor

Total Tool Length: 83.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum Inc

Byrom #3-34

5 Inverness Drive

34-20-23 Ness, Ks

Suite 120

Job Ticket: 20483

DST#: 1

Englewood, Colo

ATTN: Norstar Petroleum Incite 120

Test Start: 2005.02.14 @ 04:40:40

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

2600 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	s m c g o 10m 35g 55o	2.654
713.00	c g o 30g 70o	10.002

Total Length: 1023.00 ft

Total Volume: 12.656 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Byrom #3-24

DST Test Number: 1

Norstar Petroleum Inc

Inside

Serial #: 6771

34-20-23 Ness, Ks

Pressure vs. Time

