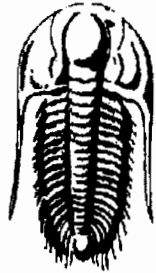


15-195-22555

36-15s-21w

IND



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market St Ste 300
Wichita KS 67202

ATTN: Flip Phillips

36 15S 21W Trego KS

Leiker-North Unit # 1-36

Start Date: 2008.06.15 @ 04:22:37

End Date: 2008.06.15 @ 11:49:37

Job Ticket #: 32158 DST #: 1

CONFIDENTIAL
OCT 07 2008

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Pintail Petroleum

Leiker-North Unit # 1-36

36 15S 21W Trego KS

DST # 1

Pawnee Sand

2008.06.15



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Pintail Petroleum
225 N Market St Ste 300
Wichita KS 67202
ATTN: Flip Phillips

Leiker-North Unit # 1-36

36 15S 21W Trego KS

Job Ticket: 32158

DST#: 1

Test Start: 2008.06.15 @ 04:22:37

GENERAL INFORMATION:

Formation: **Pawnee Sand**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 06:51:37

Time Test Ended: 11:49:37

Interval: **4120.00 ft (KB) To 4156.00 ft (KB) (TVD)**

Total Depth: **4156.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Test Type: **Conventional Bottom Hole**

Tester: **Tyson Flax**

Unit No: **44**

Reference Elevations: **2285.00 ft (KB)**

2278.00 ft (CF)

KB to GR/CF: **7.00 ft**

Serial #: 8374

Inside

Press@RunDepth: **362.57 psig @ 4124.00 ft (KB)**

Start Date: **2008.06.15**

End Date: **2008.06.15**

Start Time: **04:22:38**

End Time: **11:49:37**

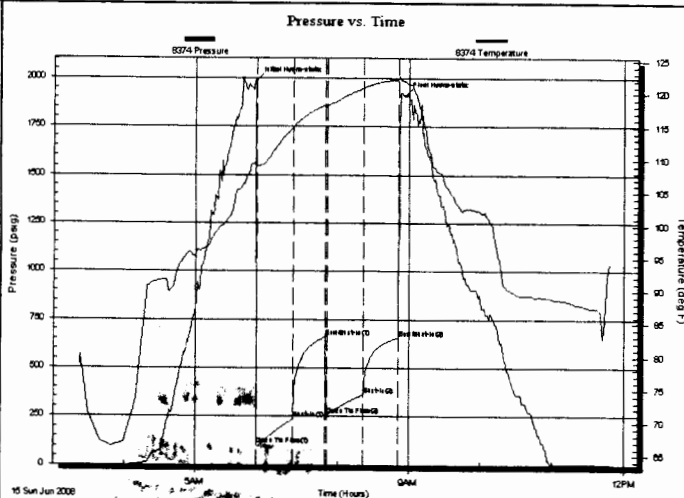
Capacity: **7000.00 psig**

Last Calib.: **2008.06.15**

Time On Btm: **2008.06.15 @ 06:51:07**

Time Off Btm: **2008.06.15 @ 08:56:37**

TEST COMMENT: IFP BOB in 4.5 min
ISI Weak surface blow back died in 15 min
FFP BOB in 8 min
FSI Weak surface blow throughout



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1984.26	109.72	Initial Hydro-static
1	104.50	109.16	Open To Flow (1)
31	235.35	114.89	Shut-in (1)
58	659.35	118.30	End Shut-In (1)
60	257.91	118.24	Open To Flow (2)
91	362.57	120.89	Shut-In (2)
121	656.80	122.20	End Shut-In (2)
126	1909.40	121.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	Water	1.51
434.00	VSOCMW 5%O 90%W 5%M	6.15
62.00	OCWM 20%O 60%W 20%M	0.88
62.00	HOCM 30%O 70%M	0.88
15.00	CO	0.21

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

225 N Market St Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Leiker-North Unit # 1-36

36 15S 21W Trego KS

Job Ticket: 32158

DST#: 1

Test Start: 2008.06.15 @ 04:22:37

Tool Information

Drill Pipe:	Length: 3986.00 ft	Diameter: 3.82 inches	Volume: 56.50 bbl	Tool Weight: 2500.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 57.10 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4120.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	64.00 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			4093.00	
Shut In Tool	5.00			4098.00	
Hydraulic tool	5.00			4103.00	
Jars	5.00			4108.00	
Safety Joint	2.00			4110.00	
Packer	5.00			4115.00	28.00 Bottom Of Top Packer
Packer	5.00			4120.00	
Stubb	1.00			4121.00	
Perforations	2.00			4123.00	
Change Over Sub	1.00			4124.00	
Recorder	0.00	8367	inside	4124.00	
Recorder	0.00	8374	inside	4124.00	
Blank Spacing	28.00			4152.00	
Change Over Sub	1.00			4153.00	
Bullnose	3.00			4156.00	36.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

Leiker-North Unit # 1-36

225 N Market St Ste 300
Wichita KS 67202

36 15S 21W Trego KS

Job Ticket: 32158

DST#: 1

ATTN: Flip Phillips

Test Start: 2008.06.15 @ 04:22:37

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	Water	1.507
434.00	VSOCMW 5%O 90%W 5%M	6.152
62.00	OCWM 20%O 60%W 20%M	0.879
62.00	HOCM 30%O 70%M	0.879
15.00	CO	0.213

Total Length: 759.00 ft

Total Volume: 9.630 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

