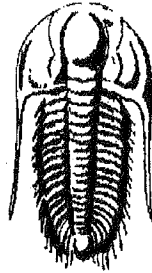


15-195-22537

30-15s-21w

MD



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market St Ste 300
Wichita KS 67202

ATTN: Flip Phillips

30 15S 21W Trego KS

Double F Ranch #1-30

Start Date: 2008.04.08 @ 04:53:54

End Date: 2008.04.08 @ 11:45:24

Job Ticket #: 50515 DST #: 1

Pintail Petroleum

Double F Ranch #1-30

30 15S 21W Trego KS

DST # 1

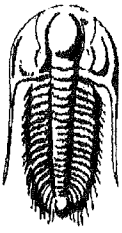
Cherokee Sand

2008.04.08

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

Double F Ranch #1-30
30 15S 21W Trego KS
 Job Ticket: 50515 **DST#: 1**
 Test Start: 2008.04.08 @ 04:53:54

GENERAL INFORMATION:

Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:13:54
 Time Test Ended: 11:45:24
 Interval: **4130.00 ft (KB) To 4200.00 ft (KB) (TVD)**
 Total Depth: 4200.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

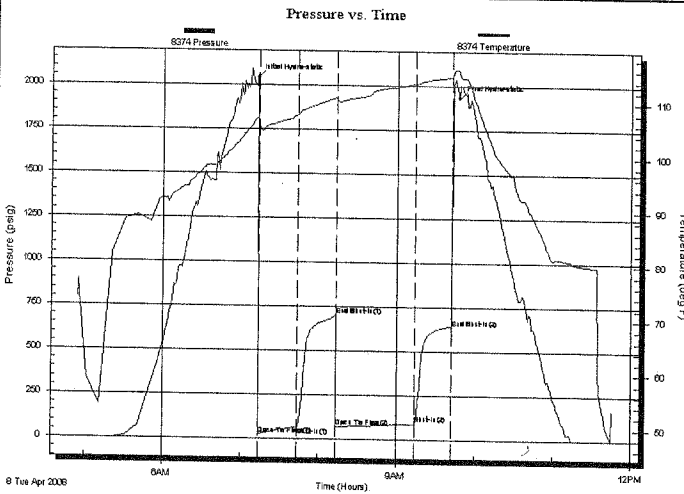
Test Type: Conventional Bottom Hole
 Tester: Tyson Flax
 Unit No: 44
 Reference Elevations: 2319.00 ft (KB)
 2314.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8374 Inside

Press@RunDepth: 91.87 psig @ 4134.00 ft (KB)
 Start Date: 2008.04.08 End Date: 2008.04.08
 Start Time: 04:53:55 End Time: 11:45:24

Capacity: 7000.00 psig
 Last Calib.: 2008.04.08
 Time On Btm: 2008.04.08 @ 07:12:54
 Time Off Btm: 2008.04.08 @ 09:47:24

TEST COMMENT: IFP Weak surface blow built to 4"
 ISI Weak surface blow back 10 min
 FFP Weak surface blow built to 5.5"
 FSI Weak surface blow back



PRESSURE SUMMARY

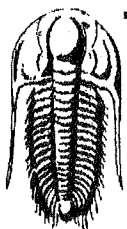
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2036.47	107.02	Initial Hydro-static
1	24.15	106.36	Open To Flow (1)
31	66.87	107.80	Shut-In(1)
61	698.99	110.91	End Shut-In(1)
61	71.68	110.46	Open To Flow (2)
121	91.87	113.57	Shut-In(2)
150	637.93	114.86	End Shut-In(2)
155	1927.70	116.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 20%O 90%M	0.30
65.00	HOCM 35%O 65%M	0.36
55.00	CO	0.78
0.00	248' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum
225 N Market St Ste 300
Wichita KS 67202

ATTN: Flip Phillips

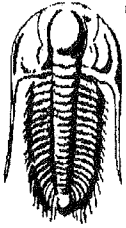
Double F Ranch #1-30
30 15S 21W Trego KS
Job Ticket: 50515 **DST#: 1**
Test Start: 2008.04.08 @ 04:53:54

Tool Information

Drill Pipe:	Length: 3995.00 ft	Diameter: 3.82 inches	Volume: 56.63 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 57.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4130.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	98.00 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			4103.00	
Shut In Tool	5.00			4108.00	
Hydraulic tool	5.00			4113.00	
Jars	5.00			4118.00	
Safety Joint	2.00			4120.00	
Packer	5.00			4125.00	28.00 Bottom Of Top Packer
Packer	5.00			4130.00	
Stubb	1.00			4131.00	
Perforations	2.00			4133.00	
Change Over Sub	1.00			4134.00	
Recorder	0.00	8367	Inside	4134.00	
Recorder	0.00	8374	Inside	4134.00	
Blank Spacing	62.00			4196.00	
Change Over Sub	1.00			4197.00	
Bullnose	3.00			4200.00	70.00 Bottom Packers & Anchor

Total Tool Length: 98.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pntail Petroleum

Double F Ranch #1-30

225 N Market St Ste 300
Wichita KS 67202

30 15S 21W Trego KS

ATTN: Flip Phillips

Job Ticket: 50515

DST#: 1

Test Start: 2008.04.08 @ 04:53:54

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCM 20%O 90%M	0.295
65.00	HOCM 35%O 65%M	0.357
55.00	CO	0.780
0.00	248' GIP	0.000

Total Length: 180.00 ft

Total Volume: 1.432 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

30 15S21W Trego KS

Inside Initial Petroleum

Serial #: 8374

8 Tue Apr 2008

Pressure vs. Time

