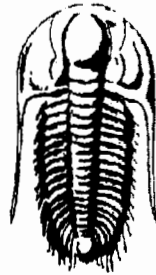


15-135-24745

23-16s-21w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

CONFIDENTIAL
250-N Market Ste 300
Wichita KS 67202-2024

ATTN: **Phil Phillips**

21
23 16S 26W Ness KS

Bellesprit-Skaggs Unit #1-23

Start Date: 2008.02.25 @ 05:17:51

End Date: 2008.02.25 @ 10:16:15

Job Ticket #: 31819

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Pintail Petroleum

Bellesprit-Skaggs Unit #1-23

23 16S ²¹26W Ness KS

DST # 1

Pawnee-Cher Sd

2008.02.25

Range is 21w, not 26w as printed



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Pintail Petroleum

250 N Market Ste 300
Wichita KS 67202-2024

ATTN: Flip Phillips

Bellesprit-Skaggs Unit #1-23

23 16S 26W Ness KS

Job Ticket: 31819

DST#: 1

Test Start: 2008.02.25 @ 05:17:51

GENERAL INFORMATION:

Formation: **Pawnee-Cher Sd**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:27:46

Time Test Ended: 10:16:15

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **4045.00 ft (KB) To 4105.00 ft (KB) (TVD)**

Total Depth: 4105.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2226.00 ft (KB)

2221.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8365

Inside

Press@RunDepth: 507.08 psig @ 4079.01 ft (KB)

Start Date: 2008.02.25

End Date:

2008.02.25

Start Time: 05:17:51

End Time:

10:16:15

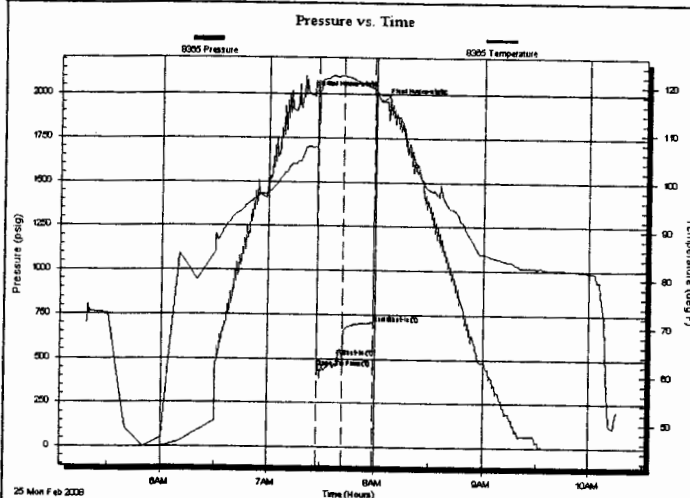
Capacity: 7000.00 psig

Last Calib.: 2008.02.25

Time On Btm: 2008.02.25 @ 07:24:46

Time Off Btm: 2008.02.25 @ 08:03:46

TEST COMMENT: IFP Strg bl thru-out
Times 15 15 out
No bl on shut-in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1994.42	107.32	Initial Hydro-static
3	451.03	108.41	Open To Flow (1)
18	507.08	122.17	Shut-In (1)
35	702.10	119.51	End Shut-In (1)
39	1957.44	118.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
925.00	MW	10.74

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)
----------------	-----------------	------------------



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

250 N Market Ste 300
Wichita KS 67202-2024

ATTN: Flip Phillips

Bellesprit-Skaggs Unit #1-23

23 16S 26W Ness KS

Job Ticket: 31819

DST#: 1

Test Start: 2008.02.25 @ 05:17:51

Tool Information

Drill Pipe:	Length: 3797.00 ft	Diameter: 3.80 inches	Volume: 53.26 bbl	Tool Weight: 2200.00 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: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 54.46 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4045.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.02 ft			
Tool Length:	85.02 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			4018.00	
Shut In Tool	5.00			4023.00	
Hydraulic tool	5.00			4028.00	
Jars	5.00			4033.00	
Safety Joint	2.00			4035.00	
Packer	5.00			4040.00	28.00 Bottom Of Top Packer
Packer	5.00			4045.00	
Stubb	1.00			4046.00	
Blank Spacing	33.00			4079.00	
Recorder	0.01	8365	Inside	4079.01	
Recorder	0.01	8371	Outside	4079.02	
Perforations	20.00			4099.02	
Bullnose	3.00			4102.02	57.02 Bottom Packers & Anchor

Total Tool Length: 85.02



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

250 N Market Ste 300
Wichita KS 67202-2024

ATTN: Flip Phillips

Bellesprit-Skaggs Unit #1-23

23 16S 26W Ness KS

Job Ticket: 31819

DST#: 1

Test Start: 2008.02.25 @ 05:17:51

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 8.60 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity:

24000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
925.00	MW	10.743

Total Length: 925.00 ft

Total Volume: 10.743 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .31 @70F

Serial #: 8365

Inside

Frontal Petroleum

23 16S 26W Ness KS

DST Test Number: 1

