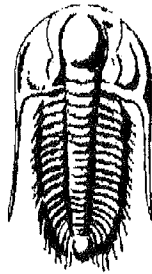


15-135-24891

17-16s-2lw

IND



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Pintail Pet.**

225 N Market St, Ste 300  
Wichita, KS 67202

ATTN: Flip Philips

**17-16-21 Ness KS**

**Walker-Van Doren #1-17**

Start Date: 2009.04.28 @ 08:51:15

End Date: 2009.04.28 @ 13:30:15

Job Ticket #: 34998                      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Pintail Pet.

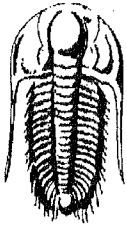
Walker-Van Doren #1-17

17-16-21 Ness KS

DST # 1

Cher Snd

2009.04.28



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Pintail Pet.  
225 N Market St, Ste 300  
Wichita, KS 67202  
ATTN: Flip Philips

**Walker-Van Doren #1-17**

**17-16-21 Ness KS**

Job Ticket: 34998

**DST#: 1**

Test Start: 2009.04.28 @ 08:51:15

## GENERAL INFORMATION:

Formation: **Cher Snd**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:46:45

Time Test Ended: 13:30:15

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 47

Interval: **4188.00 ft (KB) To 4241.00 ft (KB) (TVD)**

Total Depth: 4241.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2335.00 ft (KB)

2330.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8319** Inside

Press@RunDepth: 21.64 psig @ 4195.00 ft (KB)

Start Date: 2009.04.28

End Date: 2009.04.28

Capacity: 7000.00 psig

Last Calib.: 2009.04.28

Start Time: 08:51:20

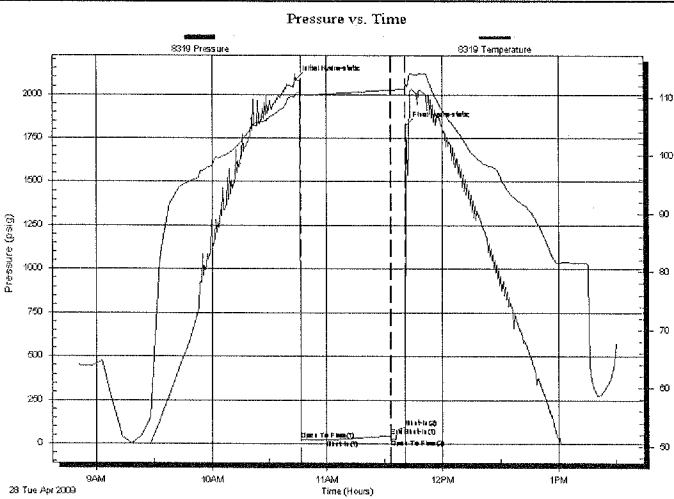
End Time: 13:30:14

Time On Btm: 2009.04.28 @ 10:44:15

Time Off Btm: 2009.04.28 @ 11:41:15

TEST COMMENT: IF 1/2"

FF Weak Dying blow flushed tool surge then no blow



## PRESSURE SUMMARY

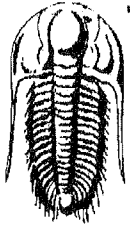
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2085.89	110.73	Initial Hydro-static
3	20.84	110.39	Open To Flow (1)
16	21.64	110.64	Shut-In(1)
49	45.89	111.39	End Shut-In(1)
49	28.02	111.38	Open To Flow (2)
57	94.91	111.57	Shut-In(2)
57	1823.80	112.37	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.14

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Pintail Pet.

**Walker-Van Doren #1-17**

225 N Market St, Ste 300  
Wichita, KS 67202

**17-16-21 Ness KS**

Job Ticket: 34998

**DST#: 1**

ATTN: Flip Phillips

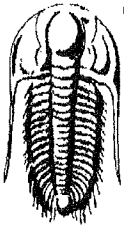
Test Start: 2009.04.28 @ 08:51:15

### Tool Information

Drill Pipe:	Length: 4186.00 ft	Diameter: 3.82 inches	Volume: 59.34 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 59.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4188.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	80.00 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			4162.00	
Shut In Tool	5.00			4167.00	
Hydraulic tool	5.00			4172.00	
Jars	4.00			4176.00	
Safety Joint	3.00			4179.00	
Packer	4.00			4183.00	27.00 Bottom Of Top Packer
Packer	5.00			4188.00	
Stubb	1.00			4189.00	
Perforations	5.00			4194.00	
Change Over Sub	1.00			4195.00	
Recorder	0.00	8319	Inside	4195.00	
Recorder	0.00	8369	Inside	4195.00	
Blank Spacing	32.00			4227.00	
Change Over Sub	1.00			4228.00	
Perforations	10.00			4238.00	
Bullnose	3.00			4241.00	53.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>80.00</b>				



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Pintail Pet.  
225 N Market St, Ste 300  
Wichita, KS 67202  
ATTN: Flip Philips

**Walker-Van Doren #1-17**  
**17-16-21 Ness KS**  
Job Ticket: 34998      **DST#: 1**  
Test Start: 2009.04.28 @ 08:51:15

## 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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2800.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.142

Total Length: 10.00 ft      Total Volume: 0.142 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time

