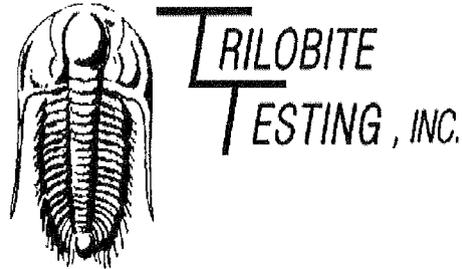


15-135-24147

31-17s-24w

RECEIVED

JAN 02 2002  
KCC WICHITA



### DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum Ltd**

225 N Market Ste 300  
Wichita KS 67202

**ORIGINAL**

ATTN: Flip Phillips

**31-17S-24W Ness**

**Rodie #3**

Start Date: 2001.07.26 @ 18:55:10

End Date: 2001.07.27 @ 02:04:25

Job Ticket #: 15504      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Pintail Petroleum Ltd

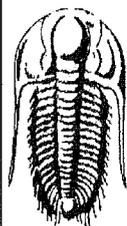
Rodie #3

31-17S-24W Ness

DST # 1

Mississippian

2001.07.26



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

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

**Rodie #3**  
**31-17S-24W Ness**  
 Job Ticket: 15504      DST#: 1  
 Test Start: 2001.07.26 @ 18:55:10

### GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:44:10  
 Time Test Ended: 02:04:25  
 Interval: **4345.00 ft (KB) To 4410.00 ft (KB) (TVD)**  
 Total Depth: 4410.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Rod Steinbrink  
 Unit No: 22  
 Reference Elevations: 2423.00 ft (KB)  
 2418.00 ft (CF)  
 KB to GR/CF: 5.00 ft

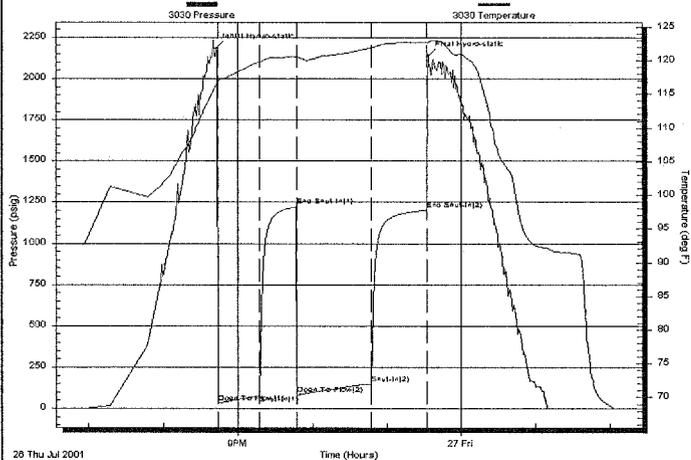
### Serial #: 3030

Inside

Press@RunDepth: 148.26 psig @ 4346.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2001.07.26      End Date: 2001.07.27      Last Calib.: 2001.01.30  
 Start Time: 18:55:15      End Time: 02:04:24      Time On Btm: 2001.07.26 @ 20:42:55  
 Time Off Btm: 2001.07.26 @ 23:33:25

TEST COMMENT: IF; Weak blow built to 3"  
 FF; Weak blow built to 6"

Pressure vs. Time



PRESSURE SUMMARY

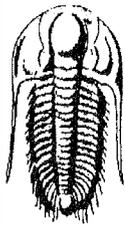
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.09	116.49	Initial Hydro-static
2	29.24	116.91	Open To Flow (1)
35	75.82	119.78	Shut-In(1)
64	1220.94	120.54	End Shut-In(1)
65	80.03	120.54	Open To Flow (2)
124	148.26	121.92	Shut-In(2)
170	1201.60	122.70	End Shut-In(2)
171	2141.05	122.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
274.00	Muddy w ater 70%w 30%m	1.43
1.00	Free oil	0.01

Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

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

**Rodie #3**  
**31-17S-24W Ness**  
Job Ticket: 15504      DST#: 1  
Test Start: 2001.07.26 @ 18:55:10

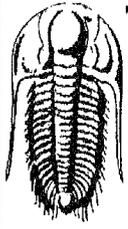
### Tool Information

Drill Pipe:	Length: 4084.00 ft	Diameter: 3.80 inches	Volume: 57.29 bbl	Tool Weight: 2000.00 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: 265.00 ft	Diameter: 2.25 inches	Volume: 1.30 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 58.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4345.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			4330.00	
HMV	5.00			4335.00	
Packer	5.00			4340.00	20.00      Bottom Of Top Packer
Packer	5.00			4345.00	
Stubb	1.00			4346.00	
Recorder	0.00	3030	Inside	4346.00	
Perforations	29.00			4375.00	
C.O. Sub	1.00			4376.00	
Anchor	31.00			4407.00	
C.O. Sub	1.00			4408.00	
Recorder	0.00	13337	Outside	4408.00	
Bullnose	2.00			4410.00	65.00      Bottom Packers & Anchor

**Total Tool Length: 85.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

FLUID SUMMARY

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

**Rodie #3**  
**31-17S-24W Ness**  
Job Ticket: 15504      DST#: 1  
Test Start: 2001.07.26 @ 18:55:10

## 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:	40000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
274.00	Muddy water 70%w 30%m	1.429
1.00	Free oil	0.014

Total Length: 275.00 ft      Total Volume: 1.443 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

Serial #: 3030

Inside

Pintail Petroleum Ltd

31-17S-24W Ness

DST Test Number: 1

