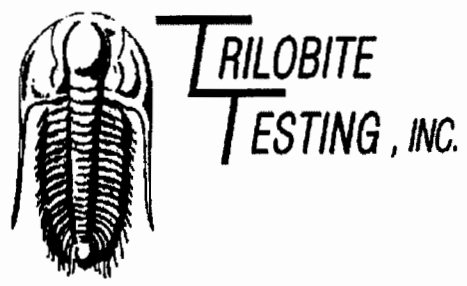


JAN 20 2004

JAN 20 2004

15-077-21452



DRILL STEM TEST REPORT

Prepared For: Pintlall Petri.Ltd.

ORIGINAL

225 N. Market Ste.300
Wichita Ks. 67202

CONFIDENTIAL

KCC

ATTN: Flip Phillips

JUN 09 2003

Release

28-33s-6w Harper Ks

CONFIDENTIAL

JUL 14 2004

Thomas #1

From
Confidential

Start Date: 2003.05.06 @ 20:04:42

End Date: 2003.05.07 @ 03:53:42

Job Ticket #: 16872

DST #: 1

Pintlall Petri.Ltd.

Thomas #1

28-33s-6w Harper Ks.

DST # 1

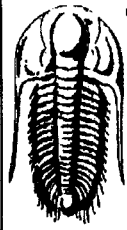
Miss.

2003.05.06

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pintail Petl.Ltd.
225 N.Market Ste.300
Wichita Ks. 67202
ATTN: Flip Phillips

KCC
JUN 09 2003

Thomas #1
28-33s-6w Harper Ks.
Job Ticket: 16872 DST#: 1
Test Start: 2003.05.06 @ 20:04:42

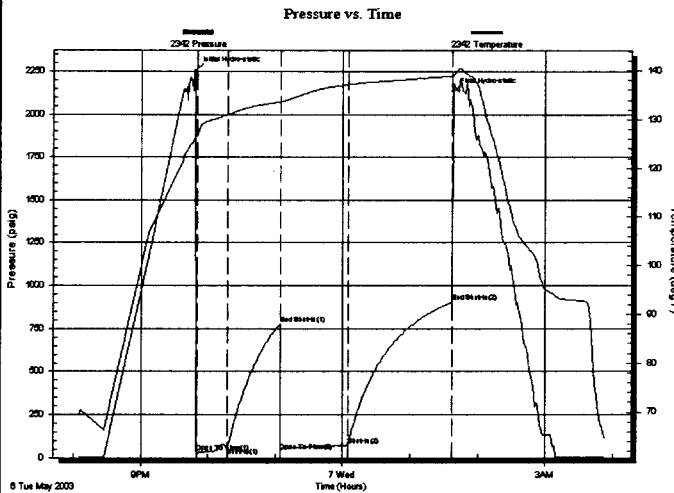
CONFIDENTIAL

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 21:49:27
Time Test Ended: 03:53:42
Interval: **4481.00 ft (KB) To 4506.00 ft (KB) (TVD)**
Total Depth: **4506.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Test Type: **Conventional Bottom Hole**
Tester: **Gary Pevoteaux**
Unit No: **23**
Reference Elevations: **1339.00 ft (KB)**
1334.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: **2342** Inside
Press@RunDepth: **71.96 psig** Capacity: **7000.00 psig**
Start Date: **2003.05.06** Last Calib.: **2003.05.07**
Start Time: **20:04:43** End Time: **03:53:42** Time On Btrm: **2003.05.06 @ 21:48:27**
Time Off Btrm: **2003.05.07 @ 01:37:57**

TEST COMMENT: **F:Strong blow . B.O.B. in 50 secs.**
IS:No blow .
FF:Strong blow . B.O.B. in 2 - 3 secs.
FS:No blow .



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2252.41	126.39	Initial Hydro-static
1	32.18	126.72	Open To Flow (1)
29	62.98	131.00	Shut-in(1)
76	774.61	133.63	End Shut-in(1)
76	39.23	133.64	Open To Flow (2)
136	71.96	137.15	Shut-in(2)
229	904.78	138.91	End Shut-in(2)
230	2132.64	138.79	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
120.00	SO&GCM 5%o 5%g 90%m	0.59
10.00	Drig mud	0.05
0.00	2800 ft. of gas in pipe	0.00

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petl.Ltd.

KCC

Thomas #1

225 N.Market Ste.300
Wichita Ks. 67202

JUN 09 2003

28-33s-6w Harper Ks.

Job Ticket: 16872

DST#: 1

ATTN: Flip Phillips

CONFIDENTIAL

Test Start: 2003.05.06 @ 20:04:42

Tool Information

Drill Pipe:	Length: 4237.00 ft	Diameter: 3.80 inches	Volume: 59.43 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 23000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 60.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 73000.00 lb
Depth to Top Packer:	4481.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4462.00	
S.I. Tool	5.00			4467.00	
HMV	5.00			4472.00	
Packer	4.00			4476.00	20.00 Bottom Of Top Packer
Packer	5.00			4481.00	
Stubb	1.00			4482.00	
Recorder	0.00	2342	Inside	4482.00	
Perforations	19.00			4501.00	
Recorder	0.00	13222	Outside	4501.00	
Bullnose	5.00			4506.00	25.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petl.Ltd.
225 N.Market Ste.300
Wichita Ks. 67202
ATTN: Flip Phillips

Thomas #1
28-33s-6w Harper Ks.
Job Ticket: 16872 DST#: 1
Test Start: 2003.05.06 @ 20:04:42

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:	4000 ppm
Viscosity: 40.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.99 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	SO&GCM 5%o 5%g 90%m	0.590
10.00	Drig mud	0.049
0.00	2800 ft. of gas in pipe	0.000

Total Length: 130.00 ft Total Volume: 0.639 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 2342

Inside

Pintail Peti.Ltd.

28-33s-6w Harper Ks.

DST Test Number: 1

Pressure vs. Time

