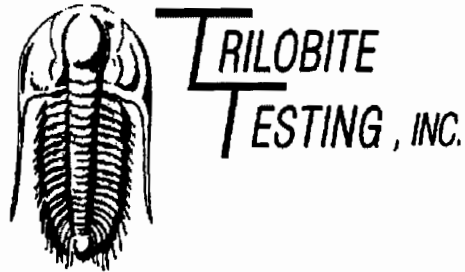


15-135-24279

14-19s-24w



DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market #300
Wichita KS 67202

ATTN: Flip Phillips

14 19s 24w Ness

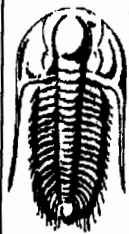
Miner BB #1-14

Start Date: 2004.05.10 @ 23:40:54

End Date: 2004.05.11 @ 05:02:26

Job Ticket #: 19541 DST #: 1

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 Petroleum
 225 N Market #300
 Wichita KS 67202
 ATTN: Flip Phillips

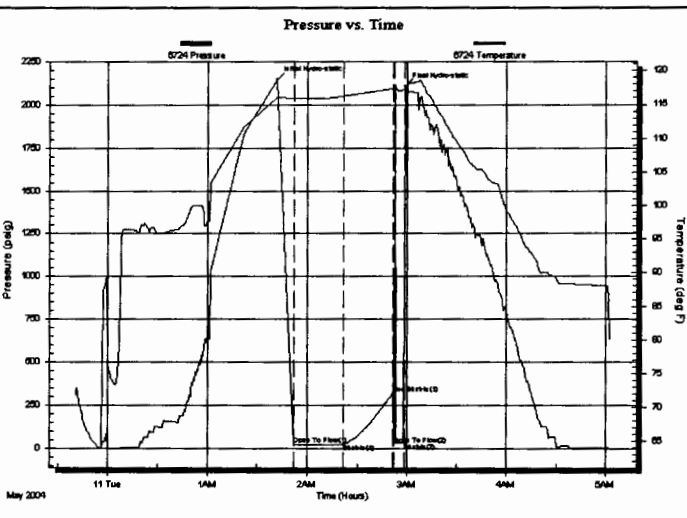
Miner BB #1-14
14 19s 24w Ness
 Job Ticket: 19541 **DST#: 1**
 Test Start: 2004.05.10 @ 23:40:54

GENERAL INFORMATION:

Formation: **Cherokee**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 01:51:57
 Time Test Ended: 05:02:26
 Interval: **4312.00 ft (KB) To 4380.00 ft (KB) (TVD)**
 Total Depth: **4380.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Leroy Black**
 Unit No: **12**
 Reference Elevations: **2296.00 ft (KB)**
2291.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 6724 **Inside**
 Press@RunDepth: **25.85 psig @ 4315.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2004.05.10** End Date: **2004.05.11** Last Calib.: **1899.12.30**
 Start Time: **23:40:55** End Time: **05:02:27** Time On Btm: **2004.05.11 @ 01:41:57**
 Time Off Btm: **2004.05.11 @ 02:58:42**

TEST COMMENT:



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2144.39	116.06	Initial Hydro-static
10	21.30	115.92	Open To Flow (1)
40	25.85	116.26	Shut-In(1)
70	317.09	117.37	End Shut-In(1)
70	24.28	117.28	Open To Flow (2)
77	33.99	117.19	Shut-In(2)
77	2107.05	117.69	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
6.00	mud	0.03

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Fintail Petroleum
225 N Market #300
Wichita KS 67202
ATTN: Flip Phillips

Miner BB #1-14
14 19s 24w Ness
Job Ticket: 19541 **DST#: 1**
Test Start: 2004.05.10 @ 23:40:54

Tool Information

Drill Pipe:	Length: 4071.00 ft	Diameter: 3.80 inches	Volume: 57.11 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 69000.00 lb
			<u>Total Volume: 58.33 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4312.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4293.00	
Shut In Tool	5.00			4298.00	
Hydraulic tool	5.00			4303.00	
Packer	4.00			4307.00	20.00 Bottom Of Top Packer
Packer	5.00		Fluid	4312.00	
Stubb	1.00			4313.00	
Perforations	2.00			4315.00	
Recorder	0.00	6724	Inside	4315.00	
Perforations	31.00			4346.00	
Blank Spacing	31.00			4377.00	
Recorder	0.00	13849	Outside	4377.00	
Bullnose	3.00			4380.00	68.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Fintail Petroleum

Miner BB #1-14

225 N Market #300
Wichita KS 67202

14 19s 24w Ness

Job Ticket: 19541

DST#: 1

ATTN: Flip Phillips

Test Start: 2004.05.10 @ 23:40:54

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:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	mud	0.030

Total Length: 6.00 ft

Total Volume: 0.030 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

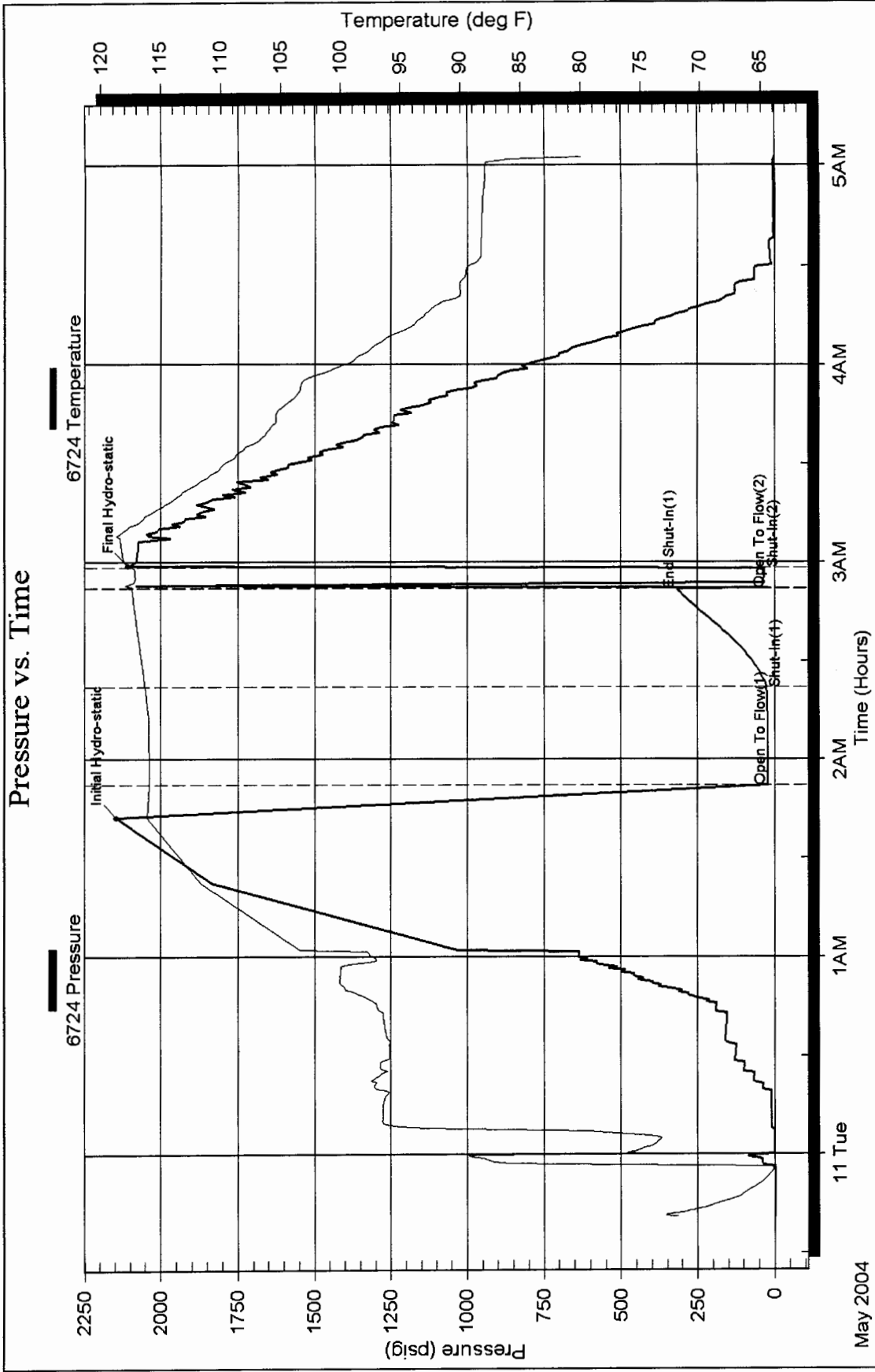
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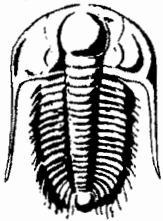
Inside

Rintail Petroleum

14 19s 24w Ness

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 6417

No 19541

05/03

Test Ticket

Well Name & No. Minor 3B #1-14 Test No. 1 Date 5-10-04
 Company Pinta Petroleum Ltd. Zone Tested Cherokee
 Address 225 N. Market Ste. 300 ^{Wichita} KS 67202 Elevation 2296 KB 2291 GL
 Co. Rep / Geo. Flip Phillips Cont. Mallard #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 14 Twp. 19s Rge. 24w Co. Ness State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4312 - 4380 Initial Str Wt./Lbs. 68,000 Unseated Str Wt./Lbs. 76,000
 Anchor Length 68 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 69,000
 Top Packer Depth 4307 Tool Weight 2500
 Bottom Packer Depth 4312 Hole Size 7 7/8" X Rubber Size 6 3/4" X
 Total Depth 4380 Wt. Pipe Run 0 Drill Collar Run 249
 Mud Wt. 9.2 LCM Trac Vis. 47 WL 7.6 Drill Pipe Size 4 1/2 X 14 Ft. Run 4071

Blow Description IF: Weak Surface Blow D:ed in 18 min
IS: 13 bed off no return
FF: Flush tool no blow
FS:

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>6</u>	<u>Mud</u>	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
BHT _____	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API _____
RW _____	@ _____ °F	Chlorides _____ ppm Recovery _____	Chlorides <u>3,000</u> ppm System _____

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>244</u>	PSI	<u>6724</u>	<u>800</u>
(B) First Initial Flow Pressure	<u>21</u>	PSI	(depth)	Elec. Rec. <u>X</u> <u>150</u>
(C) First Final Flow Pressure	<u>26</u>	PSI	Recorder No. <u>13849</u>	Jars _____
(D) Initial Shut-In Pressure	<u>31</u>	PSI	(depth) <u>4376</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>24</u>	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>34</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	_____	PSI	Initial Opening <u>20</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>210</u>	PSI	Initial Shut-In <u>30</u>	Ext. Packer _____

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Approved By [Signature]
 Our Representative Leroy [Signature]

Final Flow _____	Shale Packer _____
Final Shut-In _____	Mileage <u>60120</u> <u>102</u>
T-On Location <u>22:30</u>	Sub Total: <u>1052</u>
T-Started <u>23:40</u>	Std. By _____
T-Open <u>1:44</u>	Other _____
T-Pulled <u>2:44</u>	Total: _____
T-Off _____	

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart

