

15-135-24600

12-19s-25w



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum Ltd**

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

12 19S 25W Ness KS

Schneider DD #1-12

Start Date: 2007.01.30 @ 09:52:19

End Date: 2007.01.30 @ 17:44:43

Job Ticket #: 28201 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 Ltd
225 N Market Ste 300
Wichita KS 67202
ATTN: Flip Phillips

Schneider DD #1-12
12 19S 25W Ness KS
Job Ticket: 28201 **DST#: 1**
Test Start: 2007.01.30 @ 09:52:19

GENERAL INFORMATION:

Formation: **Ft Scott**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 12:43:14
Time Test Ended: 17:44:43

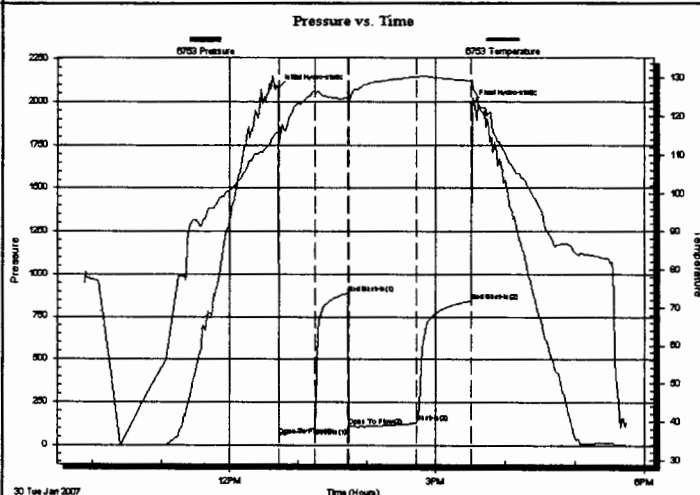
Test Type: **Conventional Bottom Hole**
Tester: **Ray Schwager**
Unit No: **28**

Interval: **4240.00 ft (KB) To 4290.00 ft (KB) (TVD)**
Total Depth: **4290.00 ft (KB) (TVD)**
Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2356.00 ft (KB)**
2351.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6753 **Inside**
Press@RunDepth: **129.98 psig @ 4241.01 ft (KB)**
Start Date: **2007.01.30** End Date: **2007.01.30** Capacity: **7000.00 psig**
Start Time: **09:52:19** End Time: **17:44:43** Last Calib.: **2007.01.30**
Time On Btm: **2007.01.30 @ 12:42:44**
Time Off Btm: **2007.01.30 @ 15:31:43**

TEST COMMENT: IFP Wk to a gd bl 1/2 " to 6 1/4 " bl
FFP Wk bl thru-out 1/4 " to 1 1/4 " bl
Times 30 30 60 45



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2080.50	115.81	Initial Hydro-static
1	55.95	113.84	Open To Flow (1)
32	96.13	126.30	Shut-In (1)
61	888.21	124.80	End Shut-In (1)
62	112.19	123.50	Open To Flow (2)
121	129.98	130.49	Shut-In (2)
169	844.09	129.34	End Shut-In (2)
169	1986.94	129.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Water RW .15 @ 57F	0.59
90.00	MW 40%M 60%W w/show of Oil	1.26

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

Schneider DD #1-12

12 19S 25W Ness KS

Job Ticket: 28201

DST#: 1

Test Start: 2007.01.30 @ 09:52:19

Tool Information

Drill Pipe:	Length: 4129.00 ft	Diameter: 3.80 inches	Volume: 57.92 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			Total Volume: 58.51 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4240.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.02 ft			
Tool Length:	71.02 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			4220.00	
Shut In Tool	5.00			4225.00	
Hydraulic tool	5.00			4230.00	
Packer	5.00			4235.00	21.00 Bottom Of Top Packer
Packer	5.00			4240.00	
Stubb	1.00			4241.00	
Recorder	0.01	6753	Inside	4241.01	
Blank Spacing	33.00			4274.01	
Recorder	0.01	13534	Outside	4274.02	
Perforations	13.00			4287.02	
Bullnose	3.00			4290.02	50.02 Bottom Packers & Anchor

Total Tool Length: 71.02



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum Ltd

Schneider DD #1-12

225 N Market Ste 300
Wichita KS 67202

12 19S 25W Ness KS

Job Ticket: 28201

DST#: 1

ATTN: Flip Phillips

Test Start: 2007.01.30 @ 09:52:19

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:

63000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Water RW .15 @ 57F	0.590
90.00	MMV 40%M 60%W w/show of Oil	1.262

Total Length: 210.00 ft

Total Volume: 1.852 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

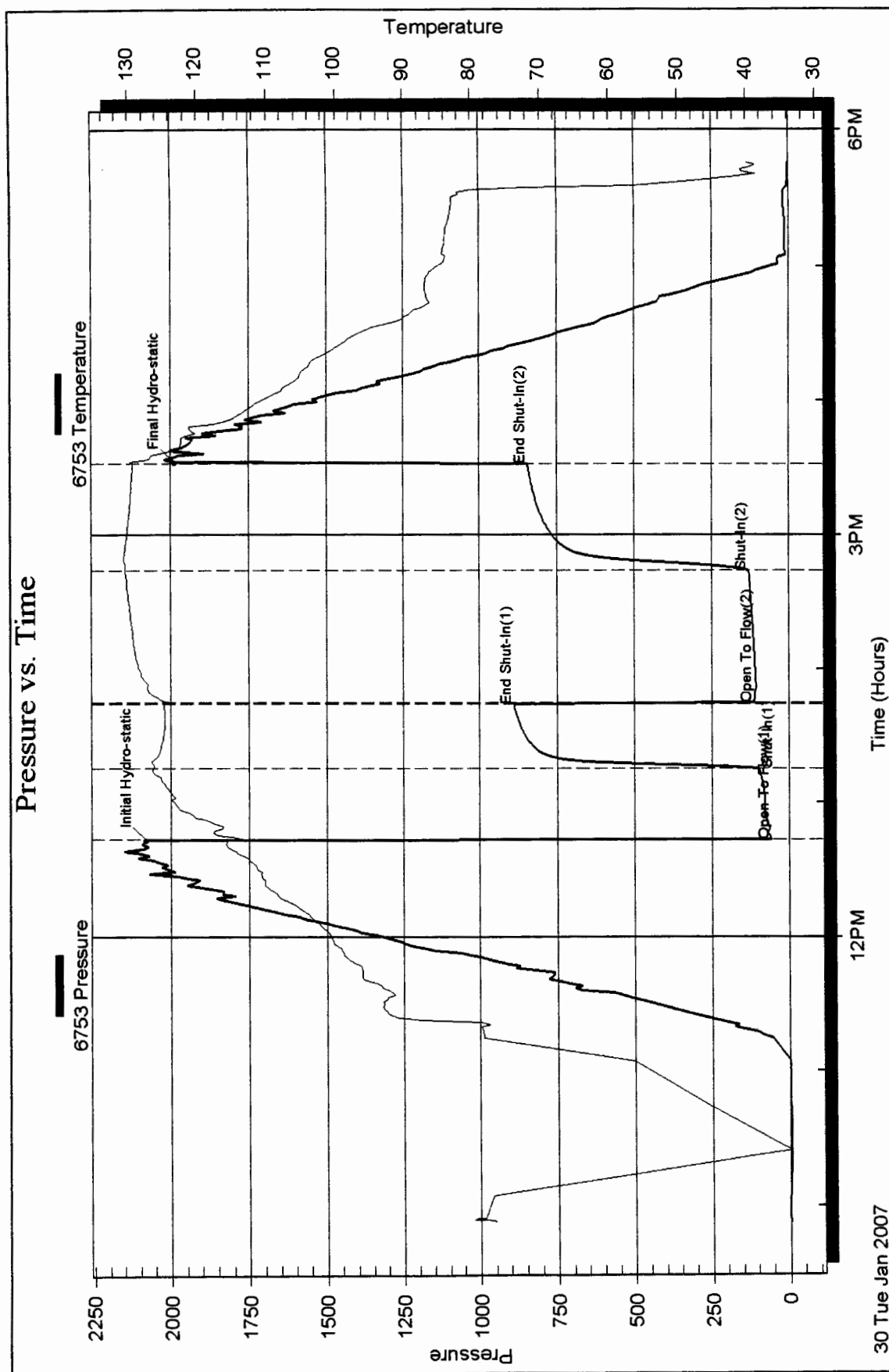
12 19S 25W Ness KS

Frontier Petroleum Ltd

Inside

Serial #: 6753

Pressure vs. Time



Ref. No: 28201

Triobite Testing, Inc

Printed: 2007.02.01 @ 13:08:57 Page 5



DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum Ltd**

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

12 19S 25W Ness KS

Schneider DD #1-12

Start Date: 2007.01.31 @ 06:01:29

End Date: 2007.01.31 @ 14:15:23

Job Ticket #: 28202 DST #: 2

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

Schneider DD #1-12

12 19S 25W Ness KS

Job Ticket: 28202

DST#: 2

Test Start: 2007.01.31 @ 06:01:29

GENERAL INFORMATION:

Formation: **Miss**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 08:53:24

Time Test Ended: 14:15:23

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **28**

Interval: **4366.00 ft (KB) To 4378.00 ft (KB) (TVD)**

Total Depth: **4378.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2356.00 ft (KB)**

2351.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6753

Inside

Press@RunDepth: **147.07 psig @ 4367.01 ft (KB)**

Start Date: **2007.01.31**

End Date:

2007.01.31

Capacity: **7000.00 psig**

Last Calib.: **2007.01.31**

Start Time: **06:01:29**

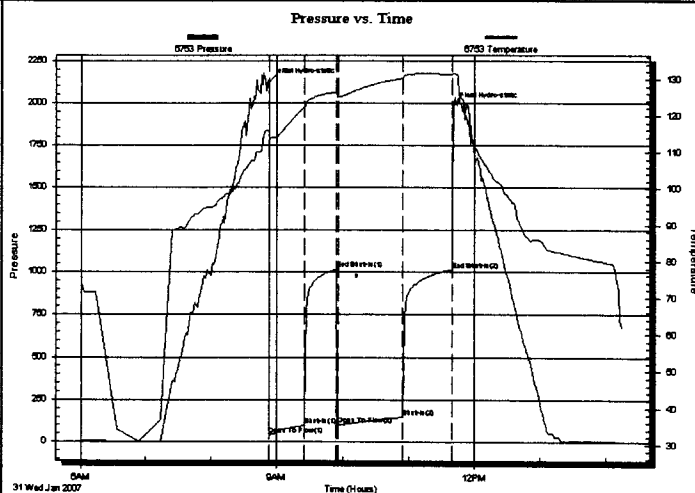
End Time:

14:15:23

Time On Btm: **2007.01.31 @ 08:52:54**

Time Off Btm: **2007.01.31 @ 11:40:23**

TEST COMMENT: IFP Wk to strg in 26 min
FFP Wk to a gd bl 1" to 8 " bl
Times 30 30 60 45
ISIP WK bl bk 3/4 " FSIP WK bl bk 1/2 " bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2122.73	115.80	Initial Hydro-static
1	37.72	113.65	Open To Flow (1)
32	96.01	122.07	Shut-In(1)
62	1015.68	126.39	End Shut-In(1)
63	104.69	125.27	Open To Flow (2)
121	147.07	130.19	Shut-In(2)
167	1013.58	131.32	End Shut-In(2)
168	1984.56	131.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	SOCMV 3%O 2%M 95%W	1.43
60.00	MMCO 5%G 10%W 40%M 45%O	0.84
15.00	SMGCO 5%G 5%M 90%O	0.21
30.00	CO	0.42
0.00	135' GIP	0.00

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

Schneider DD #1-12

12 19S 25W Ness KS

Job Ticket: 28202

DST#: 2

Test Start: 2007.01.31 @ 06:01:29

Tool Information

Drill Pipe:	Length: 4255.00 ft	Diameter: 3.80 inches	Volume: 59.69 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	60.28 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4366.00 ft			Final	61000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	12.02 ft				
Tool Length:	33.02 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			4346.00	
Shut In Tool	5.00			4351.00	
Hydraulic tool	5.00			4356.00	
Packer	5.00			4361.00	21.00 Bottom Of Top Packer
Packer	5.00			4366.00	
Stubb	1.00			4367.00	
Recorder	0.01	6753	Inside	4367.01	
Perforations	8.00			4375.01	
Recorder	0.01	13534	Outside	4375.02	
Bullnose	3.00			4378.02	12.02 Bottom Packers & Anchor
Total Tool Length:		33.02			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum Ltd

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Schneider DD #1-12

12 19S 25W Ness KS

Job Ticket: 28202

DST#: 2

Test Start: 2007.01.31 @ 06:01:29

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 7.97 in³

Resistivity: ohm.m

Salinity: 4400.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

35 deg API

Water Salinity:

28000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	SOCMW 3%O 2%M 95%W	1.432
60.00	MVCO 5%G 10%W 40%M 45%O	0.842
15.00	SMGCO 5%G 5%M 90%O	0.210
30.00	CO	0.421
0.00	135' GIP	0.000

Total Length: 285.00 ft

Total Volume:

2.905 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .26 @ 67F

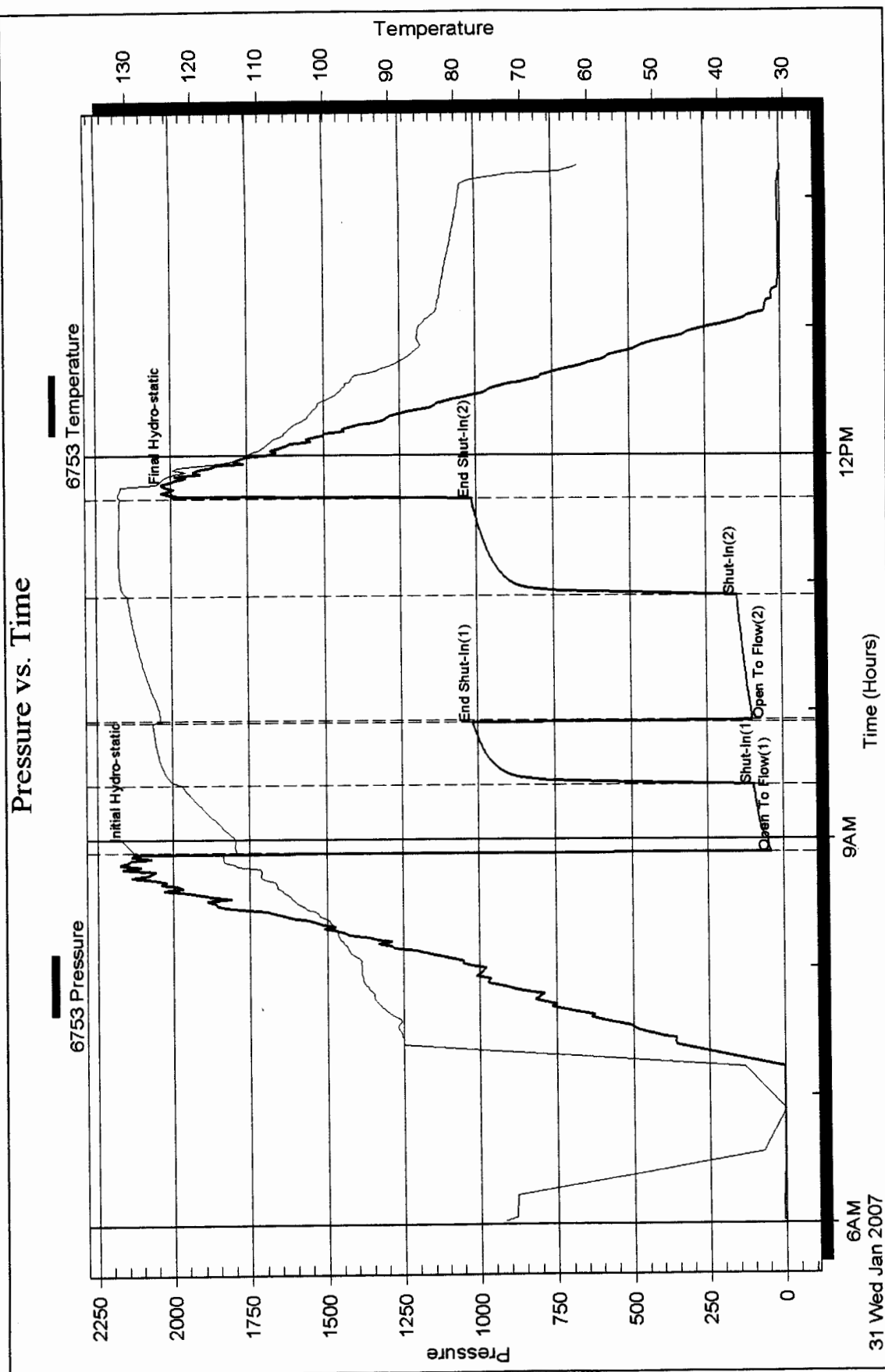
DST Test Number: 2

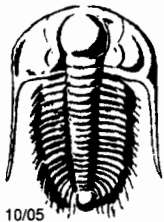
12 19S 25W Ness KS

Inside Pintail Petroleum Ltd

Serial #: 6753

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28201

9798 ✓

Test Ticket

Well Name & No.	Schneider DD # 1-12	Test No.	1	Date	1-30-07
Company	Pintail Petroleum LTD.	Zone Tested	#T SCOTT		
Address	225 N. Market, Suite 300 Wichita, KS	Elevation	2356	KB	2351 GL
Co. Rep / Geo.	Flip Phillips	Rig	Murtin 24		
Location: Sec.	12	Twp.	19 ^s	Rge.	25 ^w
		Co.	Ness	State	KS
Comment:	Release date / time:				

Interval Tested	4240 - 4290	Initial Str Wt./Lbs.	59000	Unseated Str Wt./Lbs.	62000
Anchor Length	50	Wt. Set Lbs.	25000	Wt. Pulled Loose/Lbs.	75000
Top Packer Depth	4235	Tool Weight	2200		
Bottom Packer Depth	4240	Hole Size 7 7/8"	—	Rubber Size 6 3/4"	—
Total Depth	4290	Wt. Pipe Run	—	Drill Collar Run	120
Mud Wt.	9	Drill Pipe Size	4 1/2 XH	Ft. Run	4129
LCM	—				
Vis.	54				
WL	7.2				
Blow Description	IFP-WEAK TO A GOOD BLOW 1/2" TO 6 1/4" BLOW FFP-WEAK BLOW THRU-OUT 1/4" TO 1 1/4" BLOW No Blow on shut-in				

Recovery - Total Feet	210	GIP	—	Ft. in DC	120	Ft. in DP	90
Rec.	90	Feet of	MW w/show of oil	%gas	%oil	60	%water 40 %mud
Rec.	120	Feet of	WATER	%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	129	*F Gravity	—	*API D @		*F Corrected Gravity	*API
RW	.15	@	57	*F	Chlorides 63000	ppm Recovery	Chlorides 2500 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2084	PSI	Recorder No.	6253	Test	✓	1200
(B) First Initial Flow Pressure			55	PSI	(depth)	4241	Jars		
(C) First Final Flow Pressure			96	PSI	Recorder No.	13534	Safety Jt.		
(D) Initial Shut-In Pressure			888	PSI	(depth)	4274	Circ Sub		
(E) Second Initial Flow Pressure			112	PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure			129	PSI	(depth)		Straddle		
(G) Final Shut-In Pressure			844	PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			1973	PSI	Initial Shut-In	30	Shale Packer		
					Final Flow	60	Ruined Packer		
					Final Shut-In	45	Mileage	✓	142 RT 177.50

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By W. Schwager

Our Representative RAY SCHWAGER Thank you

T-On Location

T-Started

T-Open

T-Pulled

T-Out

0930

0952

1245

1530

1744

Sub Total:

Std. By

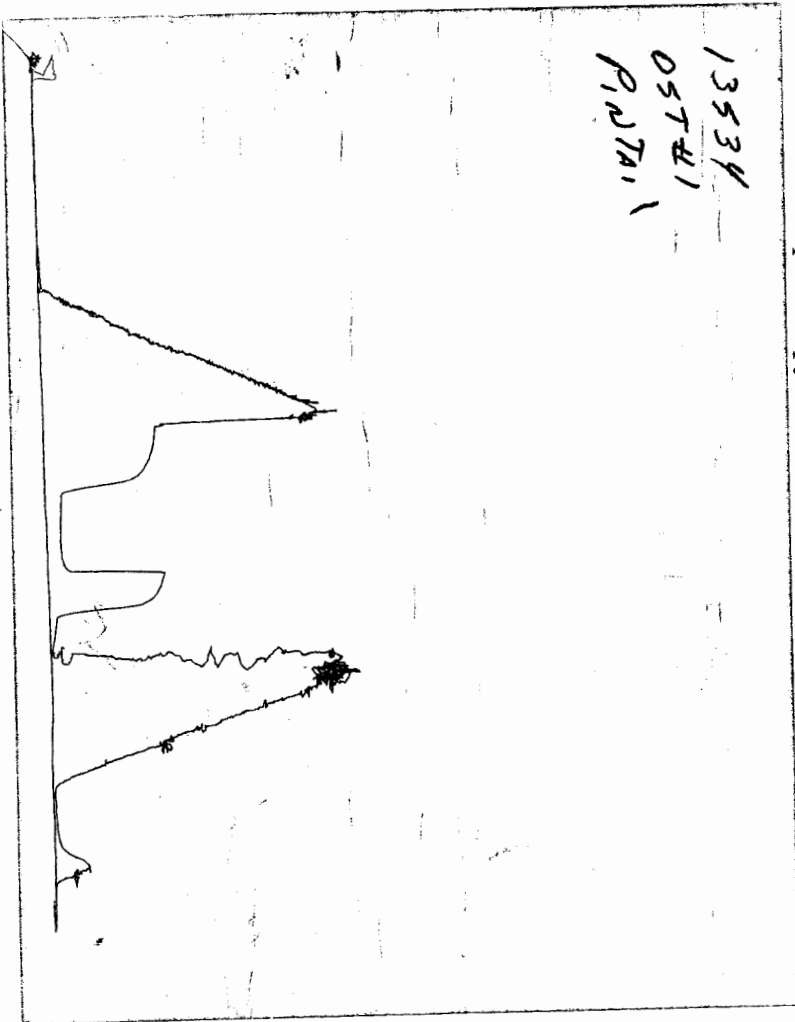
Acc. Chg:

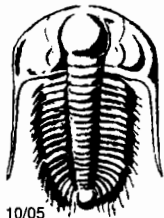
Other:

Total:

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28202

Test Ticket

Well Name & No.	<u>Schneider DD #1-12</u>		Test No.	<u>2</u>	Date	<u>1-31-07</u>
Company	<u>PIN TAIL PETROLEUM LTD</u>		Zone Tested	<u>MISS</u>		
Address	<u>225 N. MARKET, SUITE 300 WICHITA, KS</u>		Elevation	<u>2356</u>	KB	<u>2351</u> GL
Co. Rep / Geo.	<u>Flip Phillips</u>	Rig	<u>MURFIN 24</u>			
Location: Sec.	<u>12</u>	Twp.	<u>19</u>	Rge.	<u>25</u>	Co. <u>NESS</u> State <u>KO</u>
Comment:						Release date / time:

Interval Tested	<u>4366-4378</u>	Initial Str Wt./Lbs.	<u>60000</u>	Unseated Str Wt./Lbs.	<u>61000</u>
Anchor Length	<u>12</u>	Wt. Set Lbs.	<u>25000</u>	Wt. Pulled Loose/Lbs.	<u>70000</u>
Top Packer Depth	<u>4361</u>	Tool Weight	<u>2200</u>		
Bottom Packer Depth	<u>4366</u>	Hole Size 7 7/8"	<u>-</u>	Rubber Size 6 3/4"	<u>-</u>
Total Depth	<u>4378</u>	Wt. Pipe Run	<u>-</u>	Drill Collar Run	<u>120</u>
Mud Wt.	<u>9</u> LCM <u>-</u> Vis. <u>50</u> WL <u>8</u>	Drill Pipe Size	<u>4 1/2 x 14</u>	Ft. Run	<u>4255</u>
Blow Description	<u>IFP - WEAK TO STRONG IN 26 min</u> <u>FFP - WEAK TO A GOOD BLOW 1" TO 8" BLOW</u> <u>ISIP - WEAK BLOW BACK 3/4" BLOW</u> <u>FSIP - WEAK BLOW BACK 1/2" BLOW</u>				

Recovery - Total Feet	<u>285</u>	GIP	<u>135</u>	Ft. in DC	<u>120</u>	Ft. in DP	<u>165</u>
Rec.	<u>30</u>	Feet of	<u>CO</u>	%gas	%oil	%water	%mud
Rec.	<u>15</u>	Feet of	<u>SMGO</u>	<u>5</u> %gas	<u>90</u> %oil	%water	<u>5</u> %mud
Rec.	<u>60</u>	Feet of	<u>MWCO</u>	<u>5</u> %gas	<u>45</u> %oil	<u>10</u> %water	<u>40</u> %mud
Rec.	<u>180</u>	Feet of	<u>SOC MW</u>	%gas	<u>3</u> %oil	<u>95</u> %water	<u>2</u> %mud
Rec.		Feet of		%gas	%oil	%water	%mud
BHT	<u>131</u>	*F Gravity	<u>35</u>	*API D @	<u>60</u>	*F Corrected Gravity	<u>35</u> *API
RW	<u>.26</u> @ <u>67</u>	*F Chlorides	<u>28000</u> ppm	Recovery		Chlorides	<u>4400</u> ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	<u>2094</u> PSI	Recorder No.	<u>6753</u>	Test	<u>✓</u> <u>1200</u>
(B) First Initial Flow Pressure			<u>37</u> PSI	(depth)	<u>4367</u>	Jars	
(C) First Final Flow Pressure			<u>96</u> PSI	Recorder No.	<u>13534</u>	Safety Jt.	
(D) Initial Shut-In Pressure			<u>1015</u> PSI	(depth)	<u>4375</u>	Circ Sub	
(E) Second Initial Flow Pressure			<u>104</u> PSI	Recorder No.	<u>-</u>	Sampler	
(F) Second Final Flow Pressure			<u>147</u> PSI	(depth)	<u>-</u>	Straddle	
(G) Final Shut-In Pressure			<u>1013</u> PSI	Initial Opening	<u>30</u>	Ext. Packer	
(Q) Final Hydrostatic Mud			<u>1990</u> PSI	Initial Shut-In	<u>30</u>	Shale Packer	
				Final Flow	<u>60</u>	Ruined Packer	
				Final Shut-In	<u>45</u>	Mileage	<u>✓ 20 RT 25</u>
				T-On Location	<u>0530</u>	Sub Total:	
				T-Started	<u>0601</u>	Std. By	
				T-Open	<u>0905</u>	Acc. Chg:	
				T-Pulled	<u>1150</u>	Other:	
				T-Out	<u>1415</u>	Total:	

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Walter Schutty

Our Representative Ray Schwager Thank you

CHART PAGE

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

