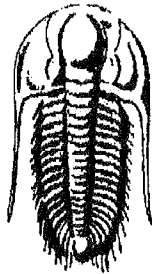


15-135-24940

3-19S-25W

IND



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum. LTD.**

225 N. Market 300
Wichita KS 67202

ATTN: Flip Phillips

3 19S 25W Ness KS

Schlegel 'DY' #2-3

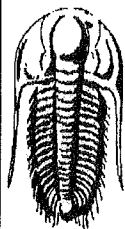
Start Date: 2009.08.12 @ 00:53:40

End Date: 2009.08.12 @ 08:14:40

Job Ticket #: 36420 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Pintail Petroleum, LTD.

225 N. Market 300
Wichita KS 67202

ATTN: Flip Phillips

Schlegel 'DY' #2-3

3 19S 25W Ness KS

Job Ticket: 36420

DST#: 1

Test Start: 2009.08.12 @ 00:53:40

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:12:40

Time Test Ended: 08:14:40

Interval: **4300.00 ft (KB) To 4340.00 ft (KB) (TVD)**

Total Depth: 4340.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 32

Reference Elevations: 2412.00 ft (KB)

2407.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Inside

Press@RunDepth: 245.66 psig @ 4305.00 ft (KB)

Start Date: 2009.08.12

End Date:

2009.08.12

Capacity: 7000.00 psig

Last Calib.: 2009.08.12

Start Time: 00:53:42

End Time:

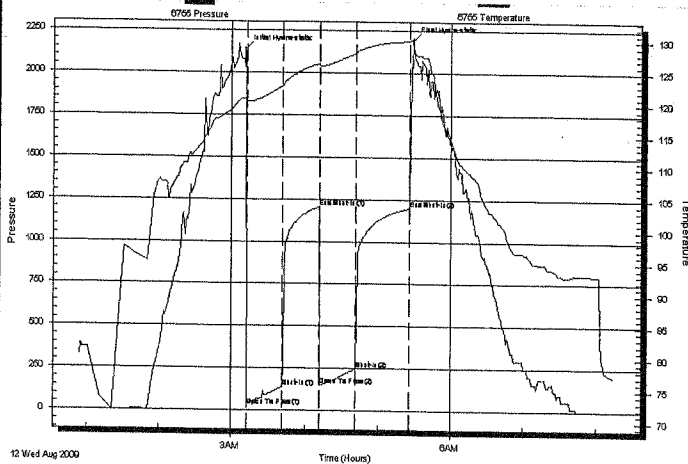
08:14:40

Time On Btm: 2009.08.12 @ 03:11:40

Time Off Btm: 2009.08.12 @ 05:29:10

TEST COMMENT: IF- BOB in 1 1/2min
IS- BOB in 2min GTS in 10min
FF- BOB in 1 3/4min
FSI- BOB in 2min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2137.70	120.96	Initial Hydro-static
1	23.09	120.45	Open To Flow (1)
30	137.06	122.91	Shut-In (1)
60	1204.96	126.40	End Shut-In (1)
61	151.06	126.06	Open To Flow (2)
90	245.66	128.07	Shut-In (2)
135	1198.48	130.02	End Shut-In (2)
138	2194.99	128.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
285.00	GO 20%G 80%O	4.00
240.00	MCGO 20%G 70%O 10%M	3.37
180.00	GMCO 30%G 60%O 10%M	2.52

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum, LTD.

225 N. Market 300
Wichita KS 67202

ATTN: Flip Phillips

Schlegel 'DY' #2-3

3 19S 25W Ness KS

Job Ticket: 36420

DST#: 1

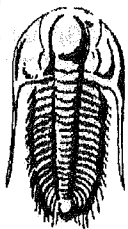
Test Start: 2009.08.12 @ 00:53:40

Tool Information

Drill Pipe:	Length: 4309.00 ft	Diameter: 3.80 inches	Volume: 60.44 bbl	Tool Weight:	2500.00 lb	
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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	
			Total Volume:	60.44 bbl	Tool Chased	ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	62000.00 lb	
Depth to Top Packer:	4300.00 ft			Final	66000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	40.00 ft					
Tool Length:	61.00 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			4280.00	
Shut In Tool	5.00			4285.00	
Hydraulic tool	5.00			4290.00	
Packer	5.00			4295.00	21.00 Bottom Of Top Packer
Packer	5.00			4300.00	
Stubb	1.00			4301.00	
Perforations	3.00			4304.00	
Recorder	0.00	8360	Inside	4304.00	
Change Over Sub	1.00			4305.00	
Recorder	0.00	6755	Inside	4305.00	
Blank Spacing	31.00			4336.00	
Change Over Sub	1.00			4337.00	
Bullnose	3.00			4340.00	40.00 Bottom Packers & Anchor

Total Tool Length: 61.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum, LTD.

Schlegel 'DY' #2-3

225 N. Market 300
Wichita KS 67202

3 19S 25W Ness KS

Job Ticket: 36420

DST#: 1

ATTN: Flip Phillips

Test Start: 2009.08.12 @ 00:53:40

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

40 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
285.00	GO 20%G 80%O	3.998
240.00	MCO 20%G 70%O 10%M	3.367
180.00	GMCO 30%G 60%O 10%M	2.525

Total Length: 705.00 ft

Total Volume: 9.890 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

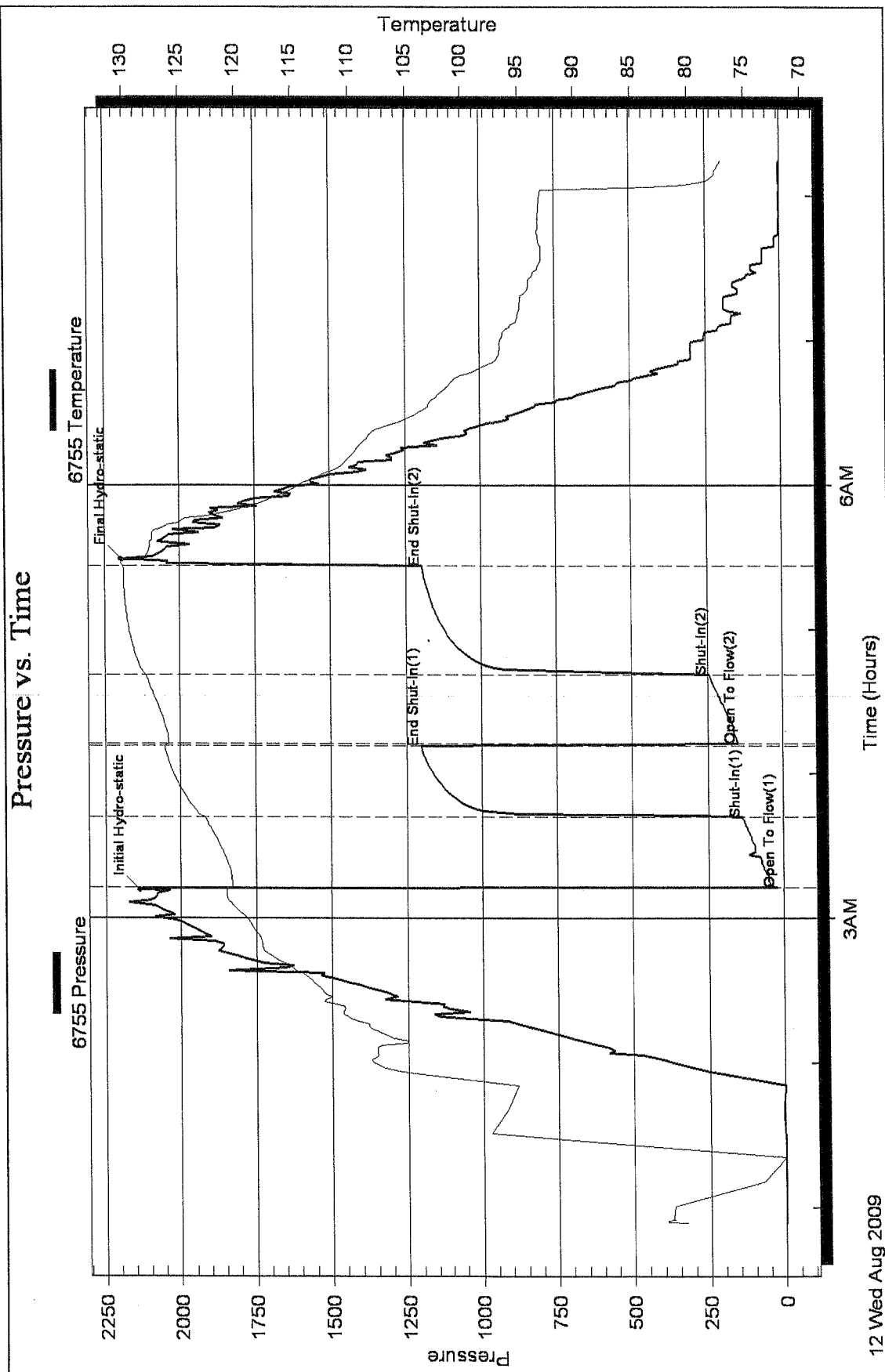
3 19S 25W Ness KS

Pintail Petroleum LTD.

Inside

Serial #: 6755

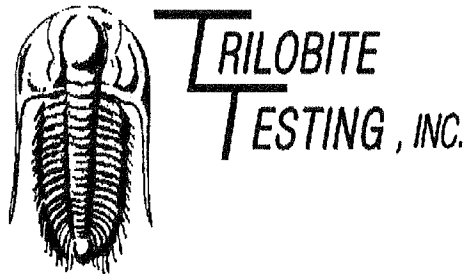
Pressure vs. Time



Ref. No: 36420

Printed: 2009.08.25 @ 10:18:19 Page 5

Trilobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum. LTD.**

225 N. Market 300
Wichita KS 67202

ATTN: Flip Phillips

3 19S 25W Ness KS

Schlegel 'DY' #2-3

Start Date: 2009.08.12 @ 22:05:29

End Date: 2009.08.13 @ 06:32:59

Job Ticket #: 36421 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Pintail Petroleum, LTD.

225 N. Market 300
Wichita KS 67202

ATTN: Flip Phillips

Schlegel 'DY' #2-3

3 19S 25W Ness KS

Job Ticket: 36421

DST#: 2

Test Start: 2009.08.12 @ 22:05:29

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:04:59

Time Test Ended: 06:32:59

Interval: **4350.00 ft (KB) To 4440.00 ft (KB) (TVD)**

Total Depth: 4440.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 32

Reference Elevations: 2412.00 ft (KB)

2407.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Inside

Press@RunDepth: 659.42 psig @ 4355.00 ft (KB)

Start Date: 2009.08.12

End Date:

2009.08.13

Start Time: 22:05:31

End Time:

06:32:59

Capacity: 7000.00 psig

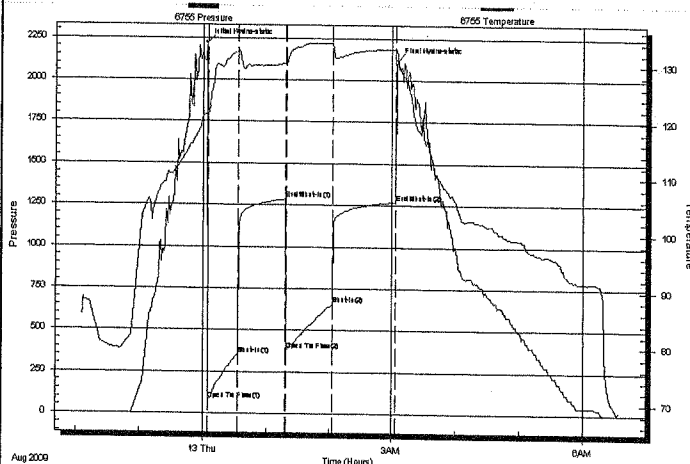
Last Calib.: 2009.08.13

Time On Btm: 2009.08.13 @ 00:03:29

Time Off Btm: 2009.08.13 @ 03:05:59

TEST COMMENT: IF- BOB in 4min
IS- surface blow built to 1.5in died back to 1in
FF- BOB in 4.5min
FS- 1/2in blow died in 26min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2220.62	121.25	Initial Hydro-static
2	83.60	121.14	Open To Flow (1)
30	354.35	132.36	Shut-In (1)
75	1284.44	130.35	End Shut-In (1)
76	379.94	129.96	Open To Flow (2)
120	659.42	133.98	Shut-In (2)
181	1269.83	132.93	End Shut-In (2)
183	2118.92	132.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	GO 30%G 70%O	3.37
300.00	MCO 10%G 60%O 30%M	4.21
60.00	MCO 10%G 80%O 10%M	0.84
1020.00	GO 20%G 80%O	14.31

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum, LTD.

225 N. Market 300
Wichita KS 67202

ATTN: Flip Phillips

Schlegel 'DY' #2-3

3 19S 25W Ness KS

Job Ticket: 36421

DST#: 2

Test Start: 2009.08.12 @ 22:05:29

Tool Information

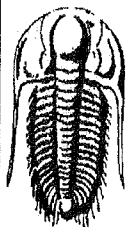
Drill Pipe:	Length: 4340.00 ft	Diameter: 3.80 inches	Volume: 60.88 bbl	Tool Weight:	2500.00 lb	
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb	
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	80000.00 lb	
			Total Volume:	60.88 bbl	Tool Chased	ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	65000.00 lb	
Depth to Top Packer:	4350.00 ft			Final	70000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	90.00 ft					
Tool Length:	111.00 ft					
Number of Packers:	2	Diameter:	6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4330.00	
Shut In Tool	5.00			4335.00	
Hydraulic tool	5.00			4340.00	
Packer	5.00			4345.00	21.00 Bottom Of Top Packer
Packer	5.00			4350.00	
Stubb	1.00			4351.00	
Perforations	3.00			4354.00	
Recorder	0.00	8360	Inside	4354.00	
Change Over Sub	1.00			4355.00	
Recorder	0.00	6755	Inside	4355.00	
Blank Spacing	62.00			4417.00	
Change Over Sub	1.00			4418.00	
Perforations	19.00			4437.00	
Bullnose	3.00			4440.00	90.00 Bottom Packers & Anchor

Total Tool Length: 111.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum, LTD.

Schlegel 'DY' #2-3

225 N. Market 300
Wichita KS 67202

3 19S 25W Ness KS

Job Ticket: 36421

DST#: 2

ATTN: Flip Phillips

Test Start: 2009.08.12 @ 22:05:29

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

37 deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	GO 30%G 70%O	3.367
300.00	MCO 10%G 60%O 30%M	4.208
60.00	MCO 10%G 80%O 10%M	0.842
1020.00	GO 20%G 80%O	14.308

Total Length: 1620.00 ft

Total Volume: 22.725 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

