

15-135-24439



TRILOBITE
TESTING, INC.

CONFIDENTIAL
MAR 28 2006
KCC

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

3-19s-25w Ness

Schlegel DY 1-3

Start Date: 2006.01.30 @ 22:38:24

End Date: 2006.01.31 @ 07:40:54

Job Ticket #: 24609

DST #: 1

RECEIVED
MAR 29 2006
KCC WICHITA

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 Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Schlegel DY 1-3

3-19s-25w Ness

Job Ticket: 24609

DST#: 1

Test Start: 2006.01.30 @ 22:38:24

GENERAL INFORMATION:

Formation: **Ft Scott**

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

Time Tool Opened: 01:53:54

Time Test Ended: 07:40:54

Test Type: **Conventional Bottom Hole**

Tester: **Joe Ramsey**

Unit No: **22**

Interval: **4310.00 ft (KB) To 4360.00 ft (KB) (TVD)**

Total Depth: **4360.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Fair**

Reference Elevations: **2428.00 ft (KB)**

2418.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8166 **Inside**

Press@RunDepth: **190.36 psig @ 4314.00 ft (KB)**

Start Date: **2006.01.30**

End Date:

2006.01.31

Start Time: **22:38:25**

End Time:

07:40:54

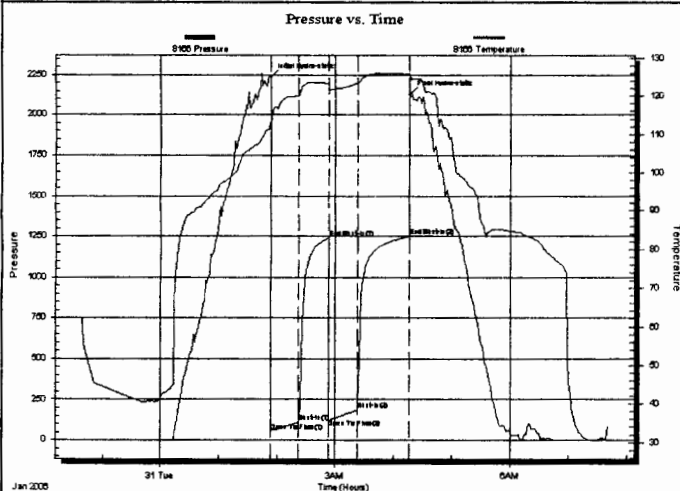
Capacity: **7000.00 psig**

Last Calib.: **2006.01.31**

Time On Btm: **2006.01.31 @ 01:53:39**

Time Off Btm: **2006.01.31 @ 04:16:39**

TEST COMMENT: IF-Strong Blow Blew off BOB in 3 min
ISI-Weak Surface Blow back built to 1"
FF-Strong Blow Blew Off BOB in 3 min
FSI-Strong Blow back Blew off BOB in 6 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2237.79	113.20	Initial Hydro-static
1	54.46	112.63	Open To Flow (1)
29	114.29	120.19	Shut-In (1)
59	1240.01	123.34	End Shut-In (1)
60	130.44	122.42	Open To Flow (2)
89	190.36	123.38	Shut-In (2)
143	1249.30	125.72	End Shut-In (2)
143	2130.68	125.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GMCO5%G40%M65%O	0.87
186.00	GMCO10%G10%M80%O	2.61
62.00	VGMCO15%M40%G45%O	0.87
62.00	GMCO10%M30%G60%O	0.87
82.00	Free Oil100%O	1.15
0.00	3906 GIP	0.00

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

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Schlegel DY 1-3

3-19s-25w Ness

Job Ticket: 24609

DST#: 1

Test Start: 2006.01.30 @ 22:38:24

Tool Information

Drill Pipe:	Length: 4316.00 ft	Diameter: 3.80 inches	Volume: 60.54 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 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: 60000.00 lb
			Total Volume: 60.54 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4310.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	70.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				
Had Gas to surface on second open				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4295.00	
Hydraulic tool	5.00			4300.00	
Packer	5.00			4305.00	20.00 Bottom Of Top Packer
Packer	5.00			4310.00	
Stubb	1.00			4311.00	
Perforations	2.00			4313.00	
Change Over Sub	1.00			4314.00	
Recorder	0.00	8166	Inside	4314.00	
Blank Spacing	32.00			4346.00	
Change Over Sub	1.00			4347.00	
Perforations	10.00			4357.00	
Recorder	0.00	11020	Inside	4357.00	
Bullnose	3.00			4360.00	50.00 Bottom Packers & Anchor

Total Tool Length: 70.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Schlegel DY 1-3

3-19s-25w Ness

Job Ticket: 24609

DST#: 1

Test Start: 2006.01.30 @ 22:38:24

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 12.78 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GMCO5%G40%M55%O	0.870
186.00	GMCO10%G10%M80%O	2.609
62.00	VGMCO15%M40%G45%O	0.870
62.00	GMCO10%M30%G60%O	0.870
82.00	Free Oil100%O	1.150
0.00	3906 GIP	0.000

Total Length: 454.00 ft

Total Volume: 6.369 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

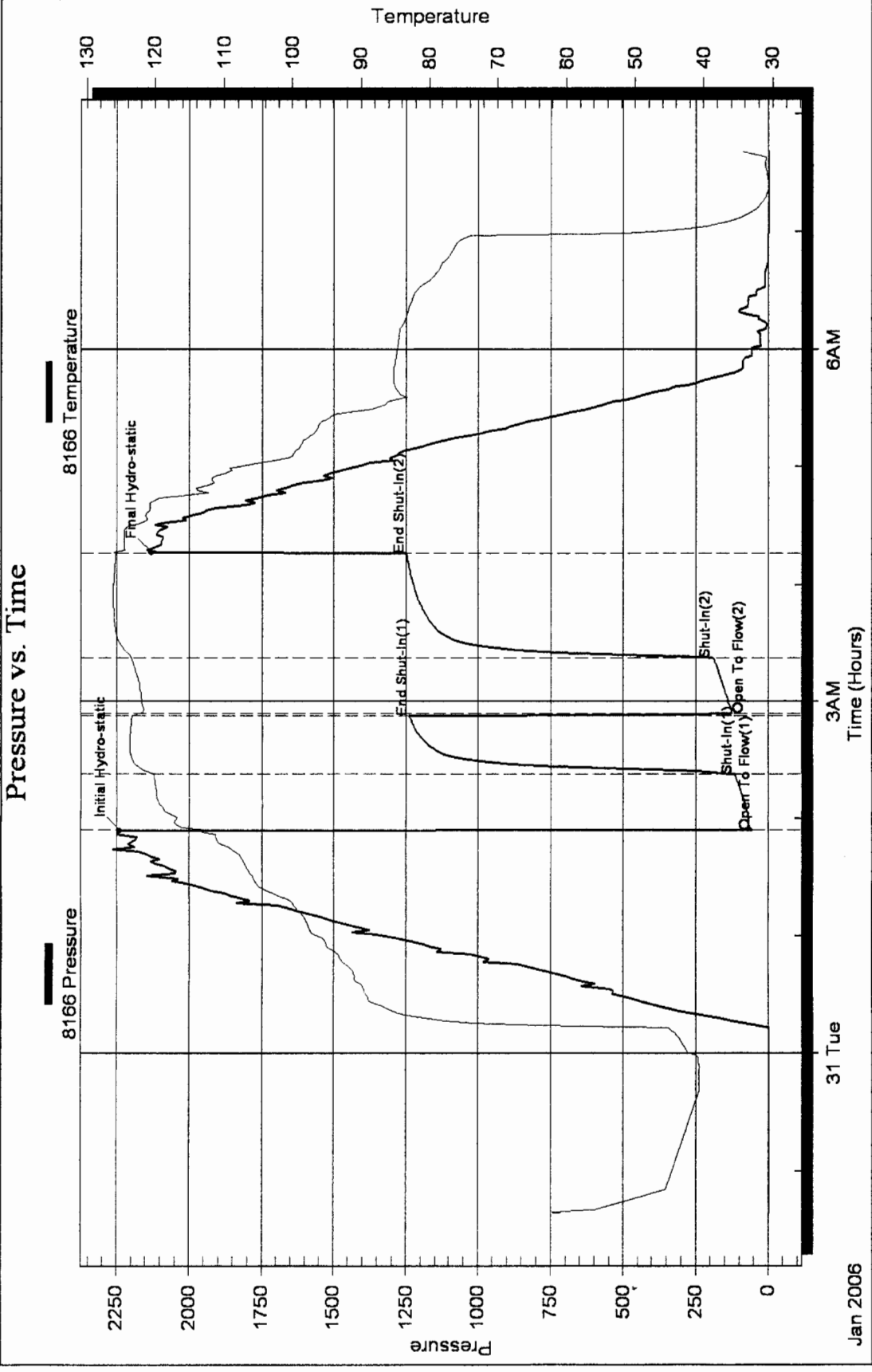
Schlegel DY1-3

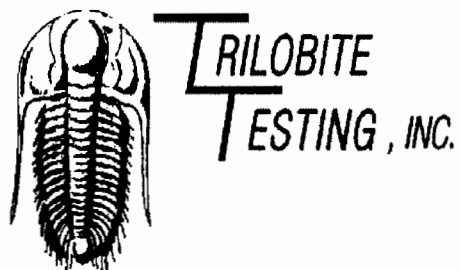
Serial #: 8166 Inside Pintail Petroleum

3-19s-25w Ness

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

3-19s-25w Ness

Schlegel DY 1-3

Start Date: 2006.01.31 @ 22:16:30

End Date: 2006.02.01 @ 07:44:45

Job Ticket #: 24610

DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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DRILL STEM TEST REPORT

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

Schlegel DY 1-3

3-19s-25w Ness

Job Ticket: 24610

DST#: 2

Test Start: 2006.01.31 @ 22:16:30

GENERAL INFORMATION:

Formation: **Mississippian**

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

Time Tool Opened: 01:09:00

Time Test Ended: 07:44:45

Test Type: **Conventional Bottom Hole**

Tester: **Joe**

Unit No: **22**

Interval: **4400.00 ft (KB) To 4450.00 ft (KB) (TVD)**

Total Depth: **4450.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Fair**

Reference Elevations: **2428.00 ft (KB)**

2418.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8166 **Inside**

Press@RunDepth: **51.49 psig @ 4404.00 ft (KB)**

Start Date: **2006.01.31**

End Date:

2006.02.01

Start Time: **22:16:31**

End Time:

07:44:45

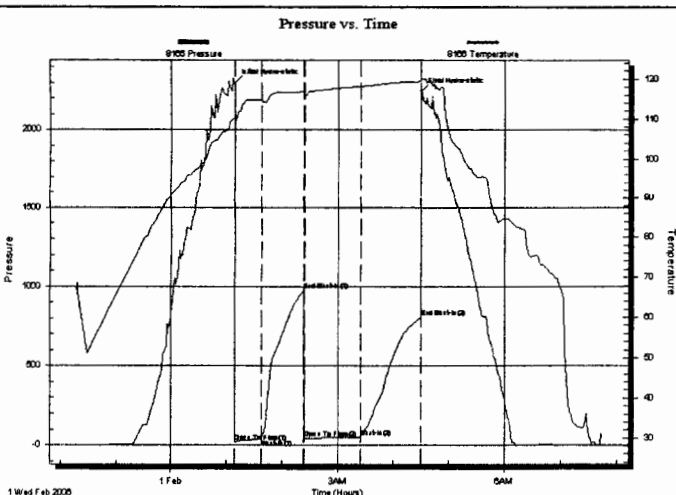
Capacity: **7000.00 psig**

Last Calib.: **2006.02.01**

Time On Btm: **2006.02.01 @ 01:08:45**

Time Off Btm: **2006.02.01 @ 04:30:00**

TEST COMMENT: IF-Good Blow built to 8" in
IS-Very weak surface blow back died after 10 min
FF-Weak blow built to 6" in
FS-No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2295.34	110.14	Initial Hydro-static
1	21.14	108.85	Open To Flow (1)
29	38.12	114.61	Shut-In(1)
75	973.25	116.76	End Shut-In(1)
75	42.46	116.41	Open To Flow (2)
136	51.49	118.07	Shut-In(2)
201	803.53	119.41	End Shut-In(2)
202	2244.55	120.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM10%G20%O70%M	0.87
20.00	Free Oil	0.28

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Schlegel DY 1-3

3-19s-25w Ness

Job Ticket: 24610

DST#: 2

Test Start: 2006.01.31 @ 22:16:30

Tool Information

Drill Pipe:	Length: 4406.00 ft	Diameter: 3.80 inches	Volume: 61.80 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 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:	58000.00 lb
			Total Volume: 61.80 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4400.00 ft			Final	53000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	70.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4385.00	
Hydraulic tool	5.00			4390.00	
Packer	5.00			4395.00	20.00 Bottom Of Top Packer
Packer	5.00			4400.00	
Stubb	1.00			4401.00	
Perforations	2.00			4403.00	
Change Over Sub	1.00			4404.00	
Recorder	0.00	8166	Inside	4404.00	
Blank Spacing	32.00			4436.00	
Change Over Sub	1.00			4437.00	
Perforations	10.00			4447.00	
Recorder	0.00	11020	Inside	4447.00	
Bullnose	3.00			4450.00	50.00 Bottom Packers & Anchor

Total Tool Length: 70.00



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Schlegel DY 1-3

225 N Market Ste 300
Wichita KS 67202

3-19s-25w Ness

Job Ticket: 24610

DST#: 2

ATTN: Flip Phillips

Test Start: 2006.01.31 @ 22:16:30

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 16.77 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GOCM10%G20%O70%M	0.870
20.00	Free Oil	0.281

Total Length: 82.00 ft

Total Volume: 1.151 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Schlegel DY 1-3

3-19s-25w Ness

Inside Anttail Petroleum

Serial #: 8166

DST Test Number: 2

Pressure vs. Time

