



DRILL STEM TEST REPORT

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

255 N.Market suite #300
Wichita,KS 67202

ATTN: Flip Phillips

16-33s-6w

Wilson Trust#2

Start Date: 2001.12.13 @ 15:45:48

End Date: 2001.12.14 @ 00:01:33

Job Ticket #: 15307 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



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TESTING, INC.

DRILL STEM TEST REPORT

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255 N. Market suite #300
Wichita, KS 67202

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Job Ticket: 15307

DST#: 1

Test Start: 2001.12.13 @ 15:45:48

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:18:03

Time Test Ended: 00:01:33

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 19

Interval: **4315.00 ft (KB) To 4435.00 ft (KB) (TVD)**

Total Depth: 4435.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1344.00 ft (KB)

1339.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 3302 Inside

Press@RunDepth: 88.56 psig @ 4316.00 ft (KB)

Start Date: 2001.12.13

End Date:

2001.12.14

Start Time: 15:45:50

End Time:

00:01:33

Capacity: 7000.00 psig

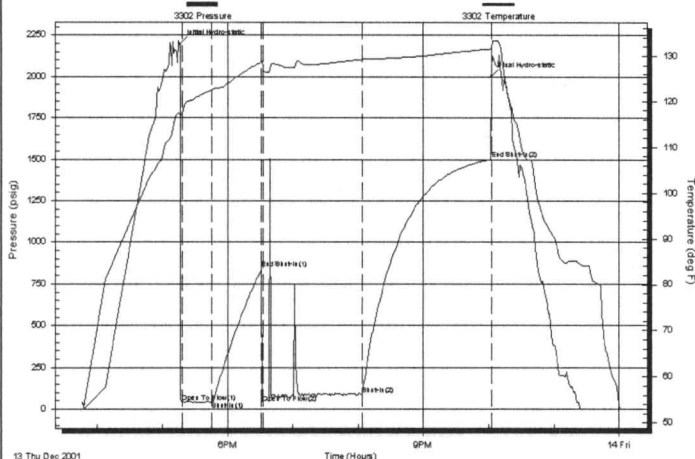
Last Calib.: 2001.12.13

Time On Btm: 2001.12.13 @ 17:16:18

Time Off Btm: 2001.12.13 @ 22:02:33

TEST COMMENT: IF: Strong blow built to b.o.b in 2-1/2 mins.
IS: Bled down for 4 mins. no blow back.
FF: Strong blow b.o.b in 30 sec. GTS in 42 mins. TSTM.
FS: Bled down for 5 mins. no blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.07	117.02	Initial Hydro-static
2	42.84	117.22	Open To Flow (1)
30	44.14	122.55	Shut-In (1)
75	839.41	128.70	End Shut-In (1)
76	35.89	127.74	Open To Flow (2)
168	88.56	129.28	Shut-In (2)
286	1502.31	131.57	End Shut-In (2)
287	2003.69	131.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4108.00	01 - Gas	55.37
200.00	SGCM 5% gas 95% mud	2.81

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TOOL DIAGRAM

Pintail Petroleum, LTD.

Wilson Trust#2

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Wichita, KS 67202

16-33s-6w

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DST#: 1

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Test Start: 2001.12.13 @ 15:45:48

Tool Information

Drill Pipe:	Length: 4061.00 ft	Diameter: 3.80 inches	Volume: 56.97 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: 20000.00 lb
Drill Collar:	Length: 247.32 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 58.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.32 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4315.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	120.00 ft			
Tool Length:	141.00 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			4295.00	
S.I. Tool	5.00			4300.00	
HMV	5.00			4305.00	
Packer	5.00			4310.00	21.00 Bottom Of Top Packer
Packer	5.00			4315.00	
Stubb	1.00			4316.00	
Recorder	0.00	3302	Inside	4316.00	
Anchor	23.00			4339.00	
Recorder	0.00	10991	Outside	4339.00	
Blank Spacing	92.00			4431.00	
Bullnose	4.00			4435.00	120.00 Bottom Packers & Anchor

Total Tool Length: 141.00



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FLUID SUMMARY

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DST#: 1

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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: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.99 in³

Gas Cushion Type:

Resistivity: 1.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4108.00	01 - Gas	55.371
200.00	SGCM 5% gas 95% mud	2.805

Total Length: 4308.00 ft Total Volume: 58.176 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

