



DRILL STEM TEST REPORT

Prepared For: **Woolsey Pet.Corp.**

125 N.Market St.Suite 1000
Wichita, KS 67202-1775

ATTN: Debra Clingan

10-32s-12w Barber KS

Cunningham #5

Start Date: 2001.09.08 @ 17:14:01

End Date: 2001.09.09 @ 02:44:31

Job Ticket #: 14794 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

Woolsey Pet. Corp.
125 N. Market St. Suite 1000
Wichita, KS 67202-1775
ATTN: Debra Clingan

Cunningham #5
10-32s-12w Barber KS
Job Ticket: 14794 **DST#: 1**
Test Start: 2001.09.08 @ 17:14:01

GENERAL INFORMATION:

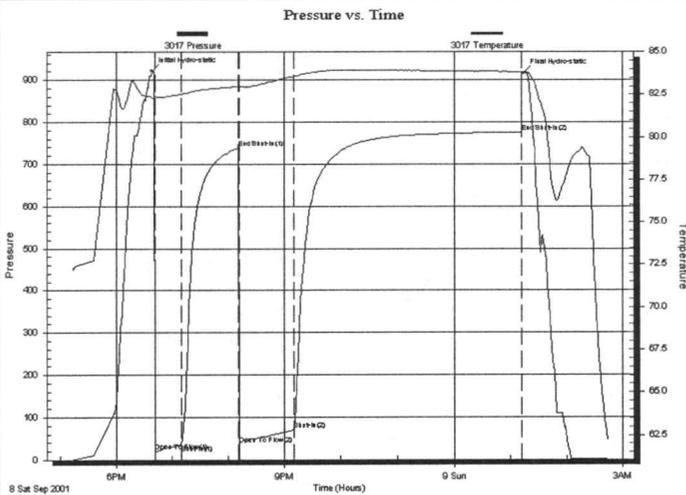
Formation: **Chase**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:41:31
Time Test Ended: 02:44:31
Test Type: Conventional Bottom Hole
Tester: John Schmidt
Unit No: 18
Interval: **1775.00 ft (KB) To 1805.00 ft (KB) (TVD)**
Reference Elevations: 1476.00 ft (KB)
Total Depth: 1805.00 ft (KB) (TVD) 1467.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 3017

Inside

Press@RunDepth: 69.91 psig @ 1777.01 ft (KB) Capacity: 7000.00 psig
Start Date: 2001.09.08 End Date: 2001.09.09 Last Calib.: 2001.09.09
Start Time: 17:14:02 End Time: 02:44:31 Time On Btm: 2001.09.08 @ 18:38:31
Time Off Btm: 2001.09.09 @ 01:13:31

TEST COMMENT: IF-Fair blow B.O.B.in 9 min. IS-no blow
FF-Weak blow B.O.B.50 min. FS-no blow



PRESSURE SUMMARY

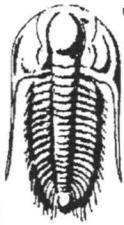
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	921.61	82.32	Initial Hydro-static
3	19.76	82.38	Open To Flow (1)
31	35.87	82.53	Shut-In(1)
93	738.88	82.97	End Shut-In(1)
94	35.99	83.00	Open To Flow (2)
152	69.91	83.57	Shut-In(2)
393	775.65	83.83	End Shut-In(2)
395	915.50	83.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	M-C-Salt Water 80% Water 20% Mud	0.30
60.00	M-C-Salt Water 50% Water 50% Mud	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Pet. Corp.
125 N. Market St. Suite 1000
Wichita, KS 67202-1775

Cunningham #5

10-32s-12w Barber KS

Job Ticket: 14794

DST#: 1

ATTN: Debra Clingan

Test Start: 2001.09.08 @ 17:14:01

Tool Information

Drill Pipe:	Length: 1590.00 ft	Diameter: 3.80 inches	Volume: 22.30 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: 20000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 23.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	1775.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.02 ft			
Tool Length:	57.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			1749.00	
S.I. Tool	5.00			1754.00	
HMV	5.00			1759.00	
Jars	5.00			1764.00	
Safety Joint	2.00			1766.00	
Packer	4.00			1770.00	27.00 Bottom Of Top Packer
Packer	5.00			1775.00	
Stubb	1.00			1776.00	
Perforations	1.00			1777.00	
Recorder	0.01	3017	Inside	1777.01	
Perforations	25.00			1802.01	
Recorder	0.01	13308	Outside	1802.02	
Bullnose	3.00			1805.02	30.02 Bottom Packers & Anchor

Total Tool Length: 57.02



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DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Pet.Corp.

Cunningham #5

125 N.Market St.Suite 1000
Wichita, KS 67202-1775

10-32s-12w Barber KS

ATTN: Debra Clingan

Job Ticket: 14794

DST#: 1

Test Start: 2001.09.08 @ 17:14:01

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:	55000 ppm
Viscosity: 70.00 sec/qt	Cushion Volume: bbl		
Water Loss: in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	M-C-Salt Water 80% Water 20% Mud	0.295
60.00	M-C-Salt Water 50%Water 50%Mud	0.295

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 3017

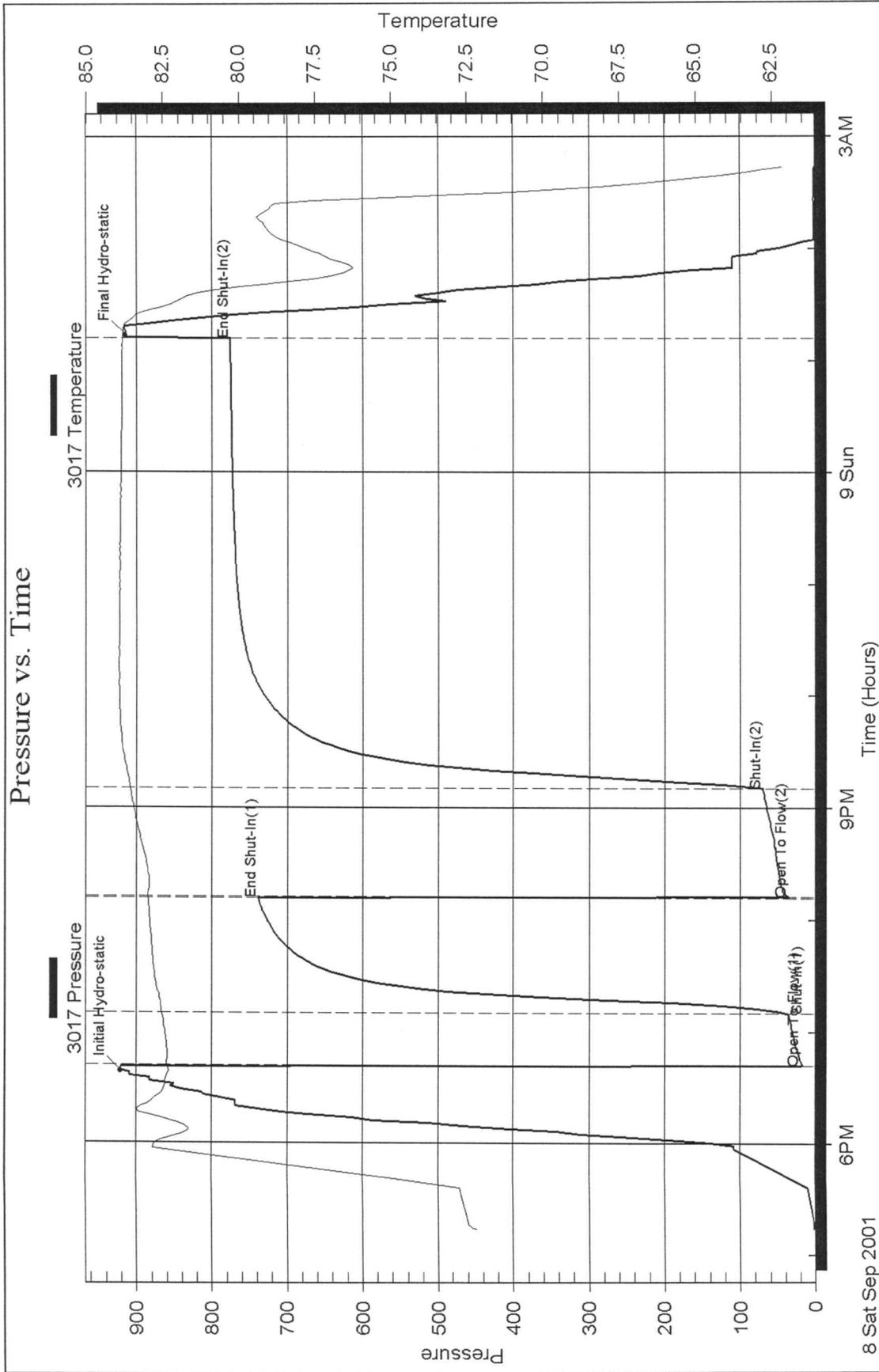
Inside

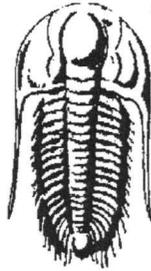
Wooley Pet. Corp.

10-32s-12w Barber KS

DST Test Number: 1

Pressure vs. Time





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DRILL STEM TEST REPORT

Prepared For: **Woolsey Pet.Corp.**

125 N.Market St.Suite 1000
Wichita, KS 67202-1775

ATTN: Debra Clingan

10-32s-12w Barber KS

Cunningham #5

Start Date: 2001.09.15 @ 04:48:14

End Date: 2001.09.15 @ 16:21:43

Job Ticket #: 14969 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Woolsey Pet.Corp.

Cunningham #5

10-32s-12w Barber KS

DST # 2

MISSISSIPPI

2001.09.15



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DRILL STEM TEST REPORT

Woolsey Pet. Corp.
125 N. Market St. Suite 1000
Wichita, KS 67202-1775
ATTN: Debra Clingan

Cunningham #5
10-32s-12w Barber KS
Job Ticket: 14969 **DST#: 2**
Test Start: 2001.09.15 @ 04:48:14

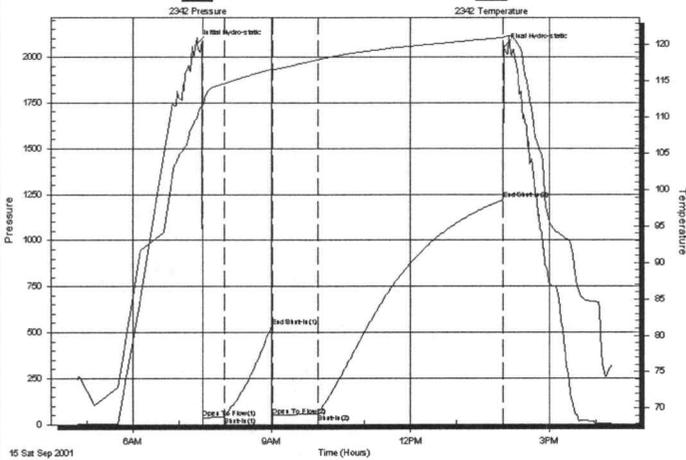
GENERAL INFORMATION:

Formation: **MISSISSIPPI**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:31:13
Time Test Ended: 16:21:43
Interval: **4222.00 ft (KB) To 4305.00 ft (KB) (TVD)**
Total Depth: 4305.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 13
Reference Elevations: 1476.00 ft (KB)
1467.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 2342 **Inside**
Press@RunDepth: 56.73 psig @ 4223.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2001.09.15 End Date: 2001.09.15 Last Calib.: 2001.09.03
Start Time: 04:48:14 End Time: 16:21:43 Time On Btm: 2001.09.15 @ 07:23:43
Time Off Btm: 2001.09.15 @ 14:02:13

TEST COMMENT: I.F.; strong blow B.O.B. in 75 seconds
I.S.I.; weak blow . slow increase to

Pressure vs. Time



PRESSURE SUMMARY

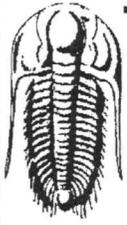
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2074.94	110.06	Initial Hydro-static
8	34.91	111.65	Open To Flow (1)
36	41.87	114.71	Shut-In(1)
97	533.10	116.64	End Shut-In(1)
98	48.42	116.65	Open To Flow (2)
157	56.73	117.95	Shut-In(2)
397	1220.05	120.98	End Shut-In(2)
399	2054.46	121.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 10%o 14%w 76%m	0.84
25.00	Mud w with a trace of oil.	0.35
2525.00	gas in pipe.	35.42

Gas Rates

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



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Pet. Corp.
125 N. Market St. Suite 1000
Wichita, KS 67202-1775
ATTN: Debra Clingan

Cunningham #5
10-32s-12w Barber KS
Job Ticket: 14969 **DST#: 2**
Test Start: 2001.09.15 @ 04:48:14

Tool Information

Drill Pipe:	Length: 4228.00 ft	Diameter: 3.80 inches	Volume: 59.31 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 59.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4222.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	110.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4196.00	
S.I. Tool	5.00			4201.00	
HMV	5.00			4206.00	
Jars	5.00			4211.00	
Safety Joint	2.00			4213.00	
Packer	4.00			4217.00	27.00 Bottom Of Top Packer
Packer	5.00			4222.00	
Stubb	1.00			4223.00	
Recorder	0.00	2342	Inside	4223.00	
Perforations	13.00			4236.00	
C.O. Sub	1.00			4237.00	
Blank Spacing	62.00			4299.00	
C.O. Sub	1.00			4300.00	
Recorder	0.00	10248	Outside	4300.00	
Bullnose	5.00			4305.00	83.00 Bottom Packers & Anchor

Total Tool Length: 110.00



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ATTN: Debra Clingan

Cunningham #5
10-32s-12w Barber KS
Job Ticket: 14969 **DST#: 2**
Test Start: 2001.09.15 @ 04:48:14

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	12000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.36 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 12000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCM 10%o 14%w 76%m	0.842
25.00	Mud w ith a trace of oil.	0.351
2525.00	gas in pipe.	35.419

Total Length: 2610.00 ft Total Volume: 36.612 bbl

Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #: none
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 2342

Inside

Woolsey Pet. Corp.

10-32s-12w Barber KS

DST Test Number: 2

