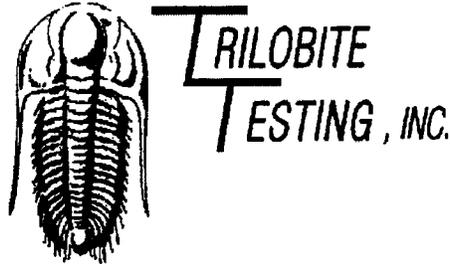


KCC
MAY 24 2006
CONFIDENTIAL



DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co.**

125 N. Market St Ste 1000
Wichita KS 67202

ATTN: Woolsey Petroleum

17-35s-16w/Comache

McMoran A GU #2

Start Date: 2006.02.04 @ 21:42:56

End Date: 2006.02.05 @ 07:43:54

Job Ticket #: 23355 DST #: 1

API:
15-033-21450

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 24 2006

CONSERVATION DIVISION
WICHITA, KS

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

Woolsey Operating Co.

McMoran A GU #2

17-35s-16w/Comache

DST # 1

Pawnee

2006.02.04

17-35s-16w



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co.
 125 N. Market St Ste 1000
 Wichita KS 67202
 ATTN: Woolsey Petroleum

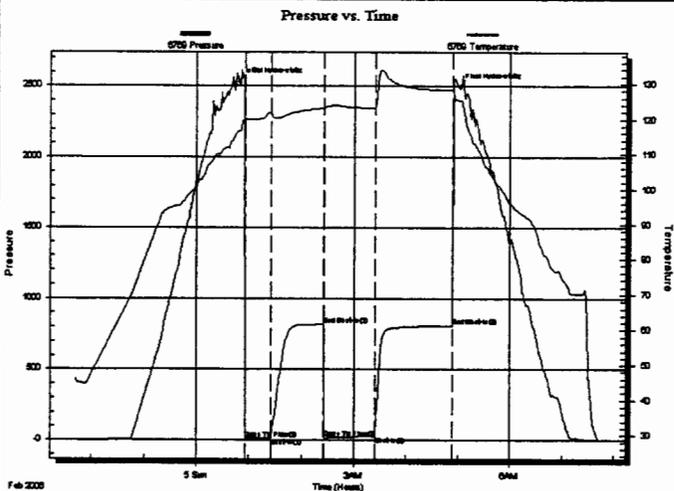
McMoran A GU #2
17-35s-16w/Comache
 Job Ticket: 23355 DST#: 1
 Test Start: 2006.02.04 @ 21:42:56

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: **No Whipstock** ft (KB)
 Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **00:55:09**
 Tester: **Brian Fairbank**
 Time Test Ended: **07:43:54**
 Unit No: **15**
 Interval: **5223.00 ft (KB) To 5246.00 ft (KB) (TVD)**
 Reference Elevations: **1932.00 ft (KB)**
 Total Depth: **5246.00 ft (KB) (TVD)**
1921.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 KB to GR/CF: **11.00 ft**

Serial #: 6769 **Inside**
 Press@RunDepth: **30.98 psig @ 5224.01 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2006.02.04** End Date: **2006.02.05** Last Calib.: **2006.02.05**
 Start Time: **21:42:56** End Time: **07:43:54** Time On Btrr: **2006.02.05 @ 00:48:24**
 Time Off Btrr: **2006.02.05 @ 05:00:39**

TEST COMMENT: FP - bottom bucket 3 min
 ISI - weak surface after 6 min ending after 6 min
 FFP - bottom bucket on opening - gas to surface on closing tool
 FSI - surface blow back throughout



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2528.57	116.63	Initial Hydro-static
7	11.26	119.74	Open To Flow (1)
37	14.01	121.96	Shut-In(1)
97	817.69	123.16	End Shut-In(1)
98	16.27	123.33	Open To Flow (2)
157	30.98	123.13	Shut-In(2)
247	808.68	128.36	End Shut-In(2)
253	2496.24	125.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
26.00	mud 100%	0.36

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co.

McMoran A GU #2

125 N. Market St Ste 1000
Wchita KS 67202

17-35s-16w/Comache

Job Ticket: 23355 **DST#: 1**

ATTN: Woolsey Petroleum

Test Start: 2006.02.04 @ 21:42:56

Tool Information

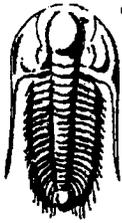
Drill Pipe:	Length: 5201.00 ft	Diameter: 3.80 inches	Volume: 72.96 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 72.96 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	5223.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.02 ft			
Tool Length:	50.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

gas to surface when closing tool on second opening

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			5201.00	
HYD S.I. Tool	5.00			5206.00	
Jars	5.00			5211.00	
Safety Joint	2.00			5213.00	
Packer	5.00			5218.00	27.00 Bottom Of Top Packer
Packer	5.00			5223.00	
Stubb	1.00			5224.00	
Recorder	0.01	6769	Inside	5224.01	
Perforations	19.00			5243.01	
Recorder	0.01	13548	Outside	5243.02	
Bullnose	3.00			5246.02	23.02 Bottom Packers & Anchor

Total Tool Length: 50.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co.

McMoran A GU #2

125 N. Market St Ste 1000.
Wichita KS 67202

17-35s-16w/Comache

Job Ticket: 23355

DST#: 1

ATTN: Woolsey Petroleum

Test Start: 2006.02.04 @ 21:42:56

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.72 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
26.00	mud 100%	0.365

Total Length: 26.00 ft

Total Volume: 0.365 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6769

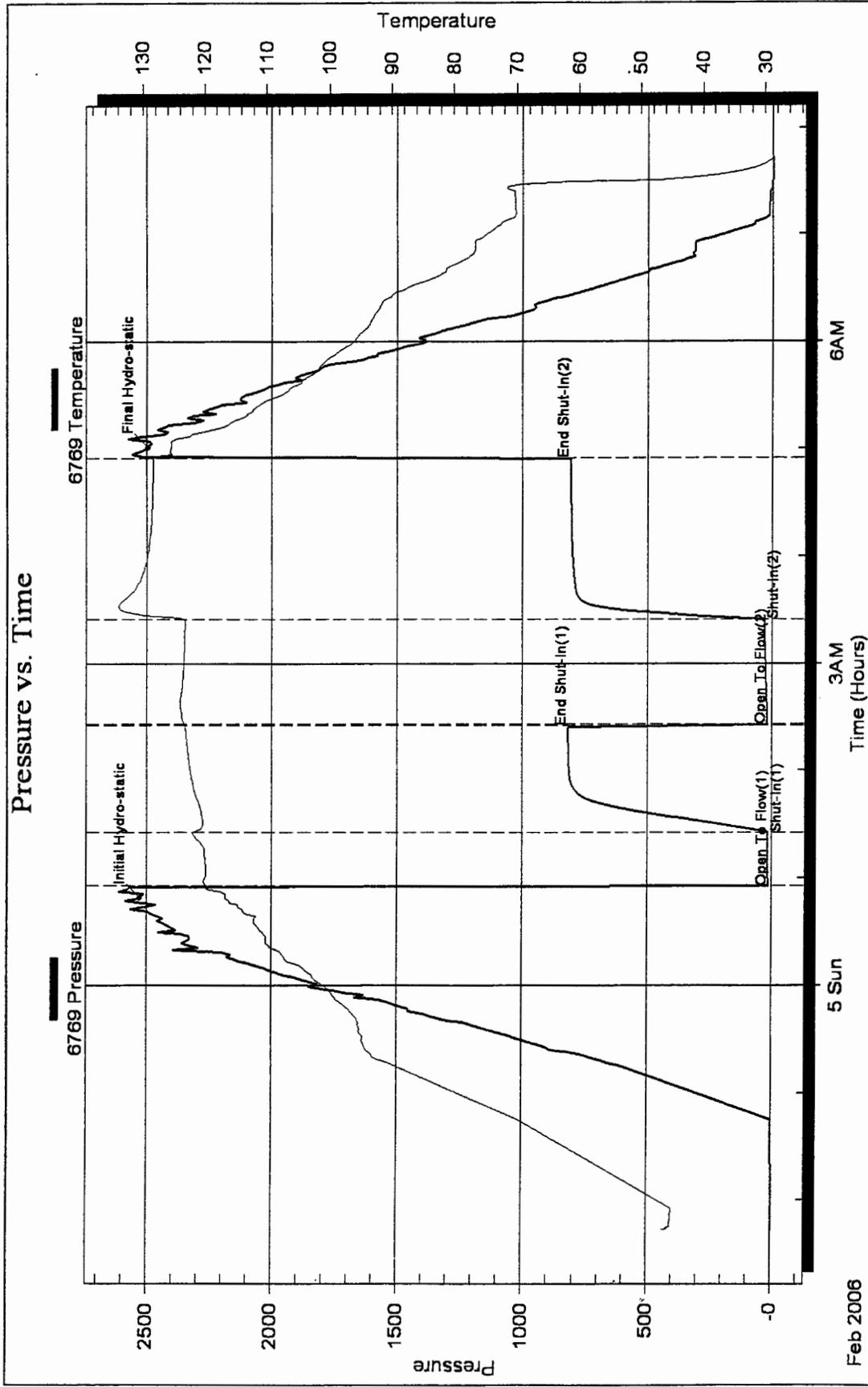
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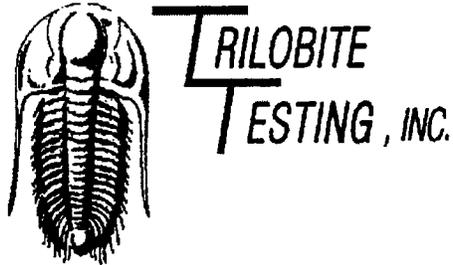
Woolsey Operating Co.

17-35s-16w/Comache

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co.**

125 N. Market St Ste 1000
Wichita KS 67202

ATTN: Woolsey Petroleum

17-35s-16w/Comache

McMoran A GU #2

Start Date: 2006.02.06 @ 04:37:45

End Date: 2006.02.06 @ 14:27:43

Job Ticket #: 23356 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Woolsey Operating Co.

McMoran A GU #2

17-35s-16w/Comache

DST # 2

mississippi

2006.02.06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Co.
125 N. Market St Ste 1000
Wichita KS 67202
ATTN: Woolsey Petroleum

McMoran A GU #2
17-35s-16w/Comache
Job Ticket: 23356 DST#: 2
Test Start: 2006.02.06 @ 04:37:45

GENERAL INFORMATION:

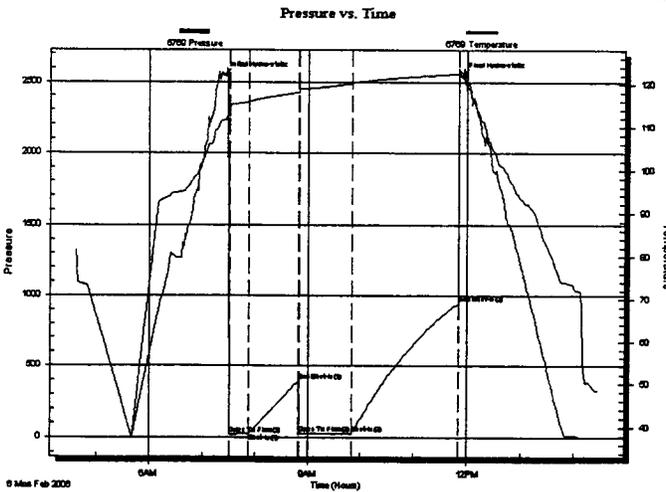
Formation: **mississippi**
Deviated: **No Whipstock** ft (KB)
Test Type: **Conventional Bottom Hole**
Time Tool Opened: **07:30:28**
Tester: **Brian Fairbank**
Time Test Ended: **14:27:43**
Unit No: **15**
Interval: **5280.00 ft (KB) To 5380.00 ft (KB) (TVD)**
Reference Elevations: **1932.00 ft (KB)**
Total Depth: **5380.00 ft (KB) (TVD)**
1921.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Good**
KB to GR/CF: **11.00 ft**

Serial #: 6769

Inside

Press@RunDepth: **27.36 psig @ 5289.01 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2006.02.06** End Date: **2006.02.06** Last Calib.: **2006.02.06**
Start Time: **04:37:45** End Time: **14:27:43** Time On Btrn: **2006.02.06 @ 07:24:43**
Time Off Btrn: **2006.02.06 @ 11:52:58**

TEST COMMENT: **FP - bottom bucket 1 min**
ISI - no blow back
FFP - bottom bucket on opening gas to surface 55 min TSTM
FSI - no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2546.23	111.52	Initial Hydro-static
6	24.58	113.24	Open To Flow (1)
28	25.49	115.89	Shut-In(1)
85	395.96	118.10	End Shut-In(1)
85	28.72	117.98	Open To Flow (2)
146	27.36	120.17	Shut-In(2)
265	944.09	122.55	End Shut-In(2)
269	2542.75	122.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
32.00	mud 100%	0.45

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co.
125 N. Market St Ste 1000
Wichita KS 67202
ATTN: Woolsey Petroleum

McMoran A GU #2
17-35s-16w/Comache
Job Ticket: 23356 **DST#: 2**
Test Start: 2006.02.06 @ 04:37:45

Tool Information

Drill Pipe:	Length: 5264.00 ft	Diameter: 3.80 inches	Volume: 73.84 bbl	Tool Weight: 2500.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 73.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	5280.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.02 ft			
Tool Length:	127.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			5258.00	
HYD S.I. Tool	5.00			5263.00	
Jars	5.00			5268.00	
Safety Joint	2.00			5270.00	
Packer	5.00			5275.00	27.00 Bottom Of Top Packer
Packer	5.00			5280.00	
Stubb	1.00			5281.00	
Perforations	7.00			5288.00	
C.O. Sub	1.00			5289.00	
Recorder	0.01	6769	Inside	5289.01	
Blank Spacing	63.00			5352.01	
C.O. Sub	1.00			5353.01	
Perforations	24.00			5377.01	
Recorder	0.01	13548	Outside	5377.02	
Bullnose	3.00			5380.02	100.02 Bottom Packers & Anchor

Total Tool Length: 127.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co.

McMoran A GU #2

125 N. Market St Ste 1000
Wchita KS 67202

17-35s-16w/Comache

Job Ticket: 23356

DST#: 2

ATTN: Woolsey Petroleum

Test Start: 2006.02.06 @ 04:37:45

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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.55 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
32.00	mud 100%	0.449

Total Length: 32.00 ft Total Volume: 0.449 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

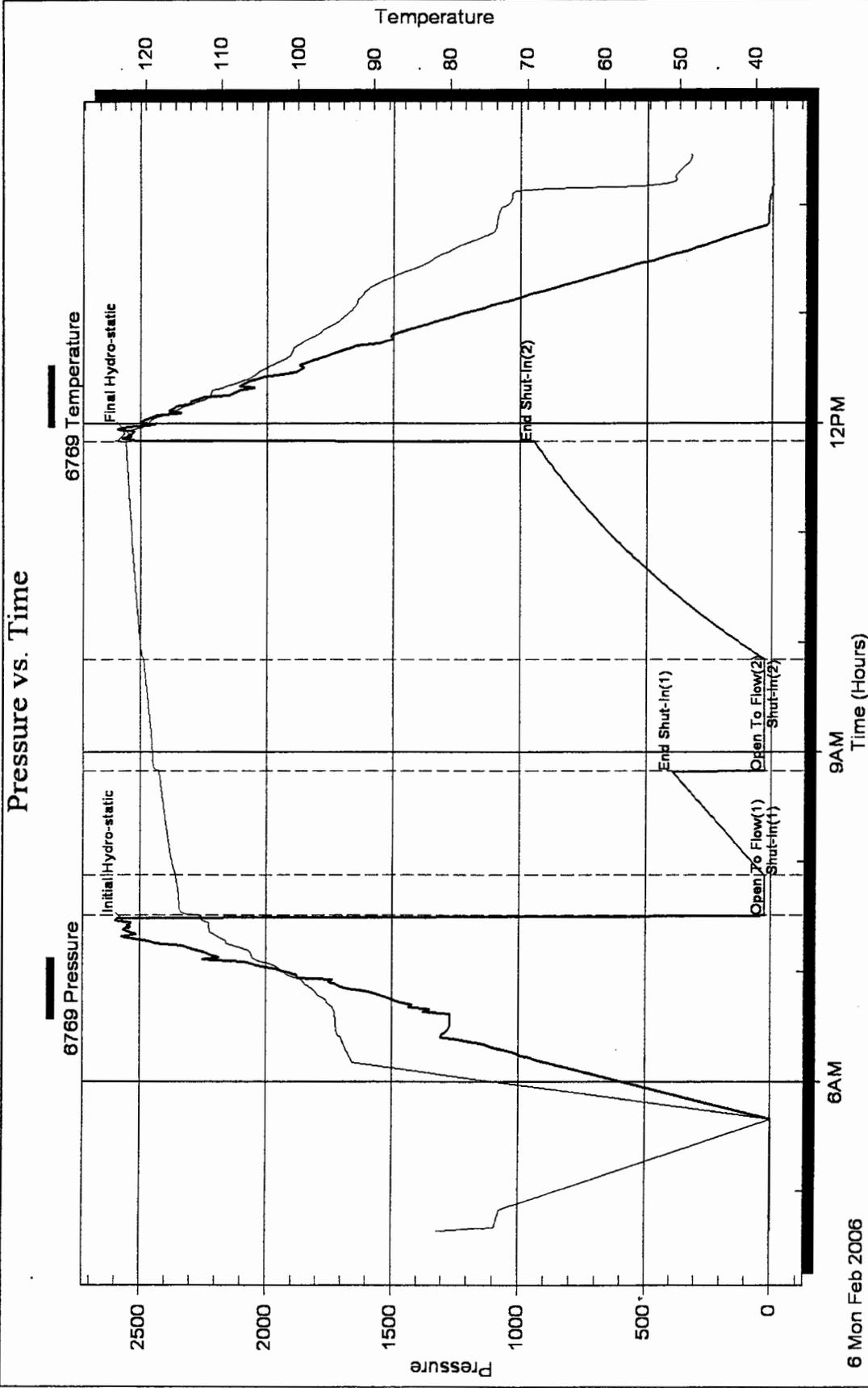
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co.**

125 N. Market St Ste 1000
Wichita KS 67202

ATTN: Woolsey Petroleum

17-35s-16w/Comache

McMoran A GU #2

Start Date: 2006.02.07 @ 08:56:01

End Date: 2006.02.07 @ 19:55:14

Job Ticket #: 23357 DST #: 3

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

Woolsey Operating Co.

McMoran A GU #2

17-35s-16w/Comache

DST # 3

Cowley

2006.02.07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co.
 125 N. Market St Ste 1000
 Wichita KS 67202
 ATTN: Woolsey Petroleum

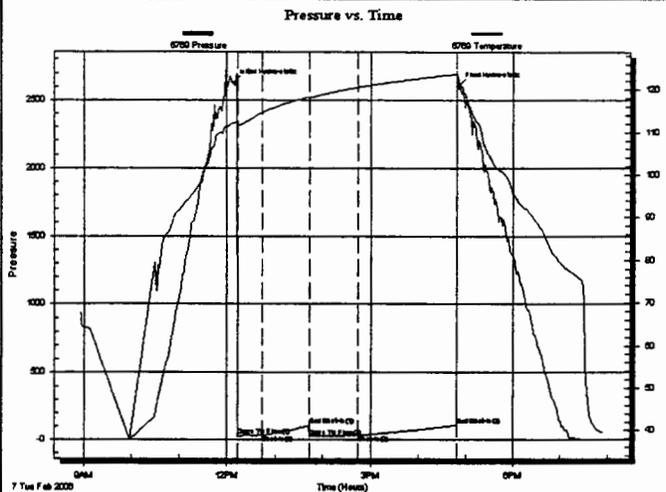
McMoran A GU #2
17-35s-16w/Comache
 Job Ticket: 23357 DST#: 3
 Test Start: 2006.02.07 @ 08:56:01

GENERAL INFORMATION:

Formation: **Cowley**
 Deviated: **No Whipstock** ft (KB)
 Test Type: **Conventional Bottom Hole**
 Time Tool Opened: 12:13:29 Tester: **Brian Fairbank**
 Time Test Ended: 19:55:14 Unit No: **15**
 Interval: **5380.00 ft (KB) To 5470.00 ft (KB) (TVD)** Reference Elevations: **1932.00 ft (KB)**
 Total Depth: **5470.00 ft (KB) (TVD)** **1921.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good** KB to GR/CF: **11.00 ft**

Serial #: 6769 **Inside**
 Press@RunDepth: **34.56 psig @ 5384.01 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2006.02.07** End Date: **2006.02.07** Last Calib.: **2006.02.07**
 Start Time: **08:56:01** End Time: **19:55:14** Time On Btmr: **2006.02.07 @ 12:07:14**
 Time Off Btmr: **2006.02.07 @ 16:50:14**

TEST COMMENT: FFP - weak blow throughout 1" - 2"
 ISI - no blow back
 FFP - weak blow throughout 1/2" - 1"
 FSI - no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2626.21	112.11	Initial Hydro-static
7	28.09	111.88	Open To Flow (1)
37	34.01	114.58	Shut-In(1)
96	104.83	118.36	End Shut-In(1)
96	23.39	118.28	Open To Flow (2)
157	34.56	120.57	Shut-In(2)
282	110.52	123.72	End Shut-In(2)
284	2605.57	122.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	mw 95% M, 5% W	0.77

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co.

McMoran A GU #2

125 N. Market St Ste 1000
Wichita KS 67202

17-35s-16w/Comache

Job Ticket: 23357

DST#: 3

ATTN: Woolsey Petroleum

Test Start: 2006.02.07 @ 08:56:01

Tool Information

Drill Pipe:	Length: 5358.00 ft	Diameter: 3.80 inches	Volume: 75.16 bbl	Tool Weight: 2500.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 75.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	5380.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.02 ft			
Tool Length:	117.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			5358.00	
HYD S.I. Tool	5.00			5363.00	
Jars	5.00			5368.00	
Safety Joint	2.00			5370.00	
Packer	5.00			5375.00	27.00 Bottom Of Top Packer
Packer	5.00			5380.00	
Stubb	1.00			5381.00	
Perforations	2.00			5383.00	
C.O. Sub	1.00			5384.00	
Recorder	0.01	6769	Inside	5384.01	
Blank Spacing	63.00			5447.01	
C.O. Sub	1.00			5448.01	
Perforations	19.00			5467.01	
Recorder	0.01	13548	Outside	5467.02	
Bullnose	3.00			5470.02	90.02 Bottom Packers & Anchor

Total Tool Length: 117.02



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co.

McMoran A GU #2

125 N. Market St Ste 1000
Wichita KS 67202

17-35s-16w/Comache

Job Ticket: 23357

DST#: 3

ATTN: Woolsey Petroleum

Test Start: 2006.02.07 @ 08:56:01

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:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.73 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	mw 95% M, 5% W	0.772

Total Length: 55.00 ft Total Volume: 0.772 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6769

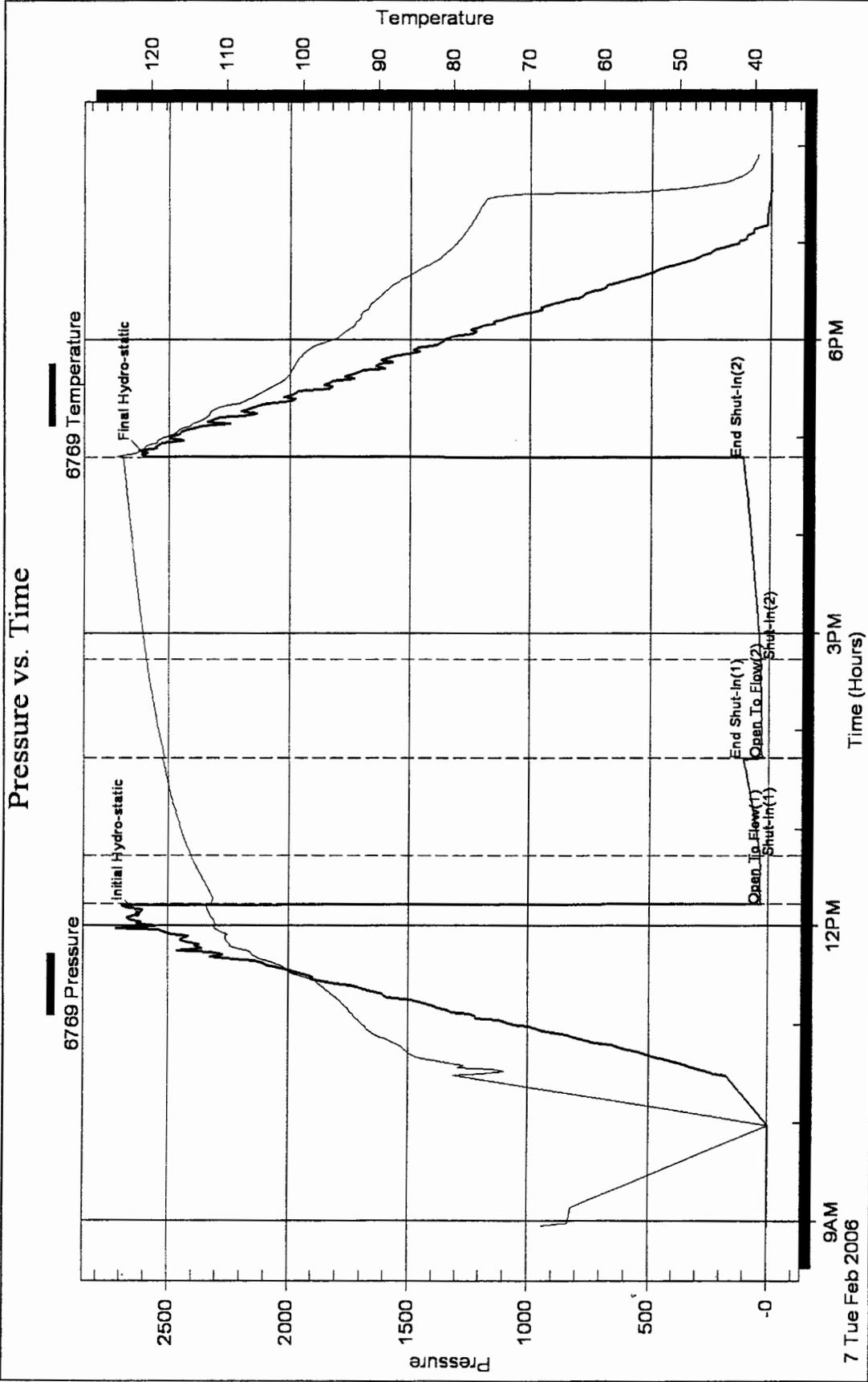
Inside

Wadley Operating Co.

17-35s-16w / Comache

D&T Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 23357

Printed: 2006.02.13 @ 12:44:41 Page 5

