15-081-21551-0000

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Strata Exploration, Inc.**

P.O. Box 401
Fairfield, IL 62837

ATTN: Jon Christensen

33/29S/32W

Murphy Trust #1

Start Date: 2004.11.05 @ 07:43:00

End Date: 2004.11.05 @ 16:25:13

Job Ticket #: 18552 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Strata Exploration, Inc.
P.O. Box 401
Fairfield, IL 62837

ATTN: Jon Christensen

Murphy Trust #1

33/29S/32W

Job Ticket: 18552 **DST#: 1**

Test Start: 2004.11.05 @ 07:43:00

GENERAL INFORMATION:

Formation: **Atoka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:39:58
Time Test Ended: 16:25:13

Test Type: Conventional Bottom Hole
Tester: Chris Hagman
Unit No: 17

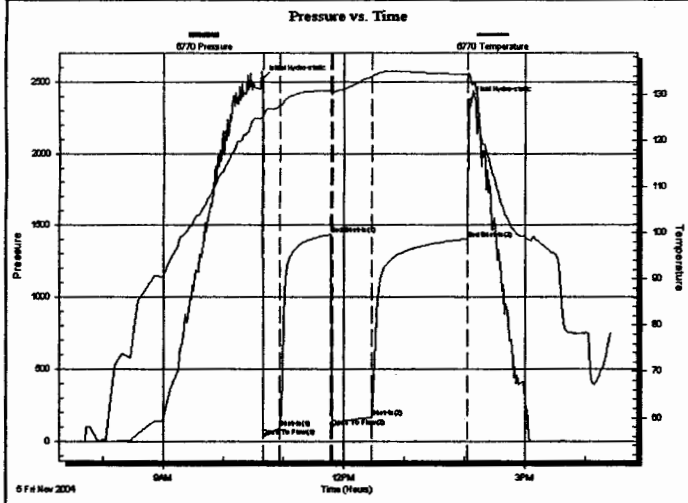
Interval: 5114.00 ft (KB) To 5180.00 ft (KB) (TVD)
Total Depth: 5180.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2919.00 ft (KB)
2907.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6770 **Inside**

Press@RunDepth:	168.09 psig @	5116.00 ft (KB)		Capacity:	7000.00 psig
Start Date:	2004.11.05	End Date:	2004.11.05	Last Calib.:	1899.12.30
Start Time:	07:43:00	End Time:	16:25:13	Time On Btm:	2004.11.05 @ 10:38:58
				Time Off Btm:	2004.11.05 @ 14:03:58

TEST COMMENT: IF: BOB 4 min, fair steady blow
ISI: No blow back
FF: BOB 45 min, weak blow
FSI: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2520.50	125.00	Initial Hydro-static
1	31.96	125.41	Open To Flow (1)
18	94.87	127.56	Shut-In(1)
69	1436.63	130.83	End Shut-In(1)
70	104.21	130.35	Open To Flow (2)
110	168.09	133.80	Shut-In(2)
205	1406.03	134.29	End Shut-In(2)
206	2370.17	134.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
279.00	100% W	1.37
93.00	100%M	1.83

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

Strata Exploration, Inc.

P.O. Box 401
Fairfield, IL 62837

ATTN: Jon Christensen

Murphy Trust #1

33/29S/32W

Job Ticket: 18552 **DST#: 1**

Test Start: 2004.11.05 @ 07:43:00

Tool Information

Drill Pipe:	Length:	4814.00 ft	Diameter:	4.50 inches	Volume:	94.70 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		30000.00 lb
Drill Collar:	Length:	279.00 ft	Diameter:	2.25 inches	Volume:	1.37 bbl	Weight to Pull Loose:		75000.00 lb
					Total Volume:	96.07 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		6.00 ft					String Weight:	Initial	68000.00 lb
Depth to Top Packer:		5114.00 ft						Final	73000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		66.00 ft							
Tool Length:		93.00 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			5088.00		
Shut In Tool	5.00			5093.00		
Hydraulic tool	5.00			5098.00		
Jars	5.00			5103.00		
Safety Joint	2.00			5105.00		
Packer	5.00			5110.00	27.00	Bottom Of Top Packer
Packer	4.00			5114.00		
Stubb	1.00			5115.00		
Perforations	1.00			5116.00		
Recorder	0.00	6770	Inside	5116.00		
Perforations	28.00			5144.00		
Change Over Sub	1.00			5145.00		
Drill Pipe	31.00			5176.00		
Change Over Sub	1.00			5177.00		
Recorder	0.00	10993	Inside	5177.00		
Bullnose	3.00			5180.00	66.00	Bottom Packers & Anchor
Total Tool Length:	**93.00**					

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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration, Inc.

P.O. Box 401
Fairfield, IL 62837

ATTN: Jon Christensen

Murphy Trust #1

33/29S/32W

Job Ticket: 18552 **DST#: 1**

Test Start: 2004.11.05 @ 07:43:00

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:	75000 ppm
Viscosity:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2300.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

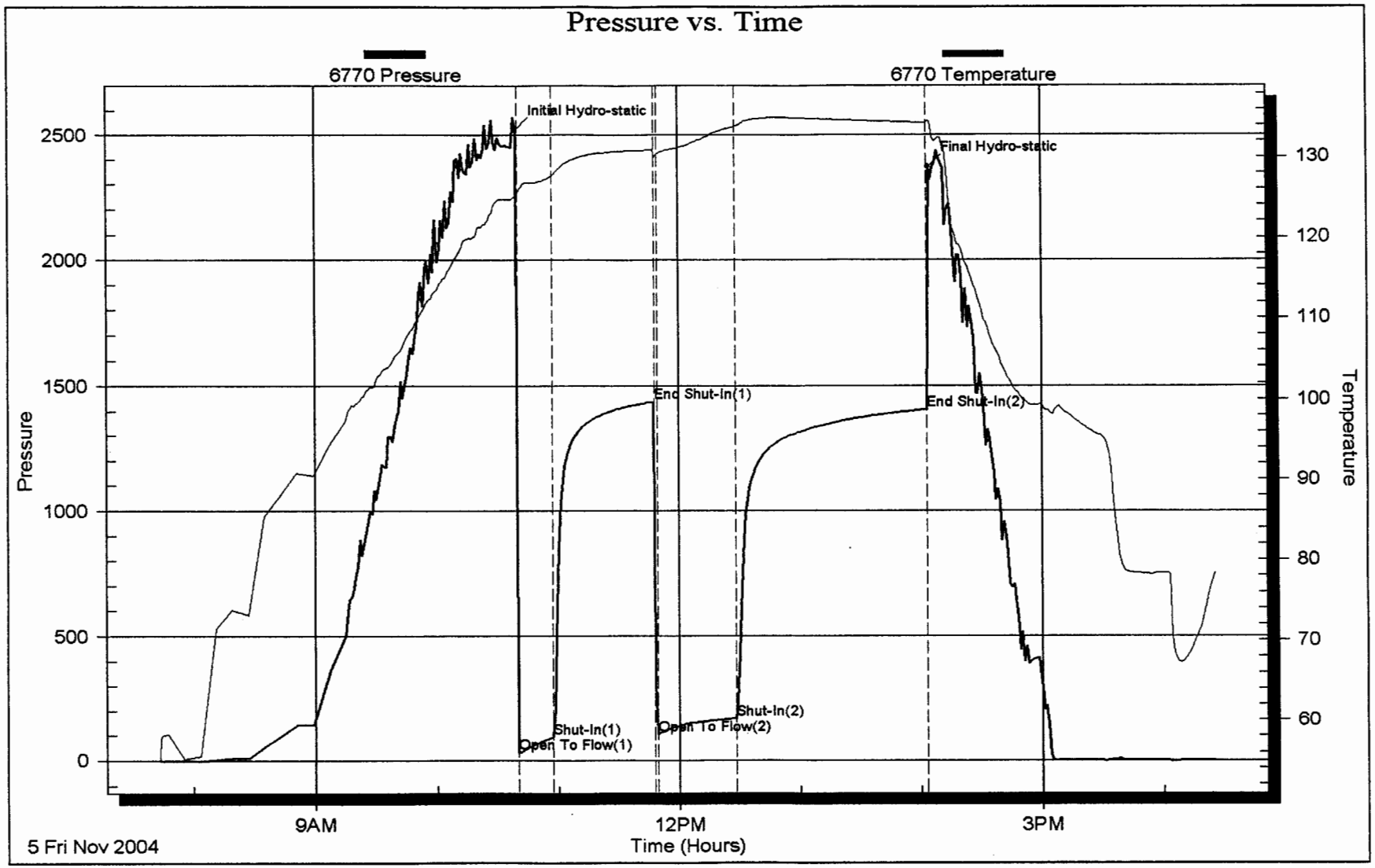
Length ft	Description	Volume bbl
279.00	100% W	1.372
93.00	100%M	1.829

Total Length: 372.00 ft Total Volume: 3.201 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW=.082@88F=75000ppm


Pressure vs. Time
6770 Pressure
6770 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2500
2000
1500
1000
500
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130
120
110
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90
80
70
60
9AM
12PM
3PM
Time (Hours)
5 Fri Nov 2004

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Strata Exploration, Inc.**

P.O. Box 401
Fairfield, IL 62837

ATTN: Jon Christensen

33/29S/32W

Murphy Trust #1

Start Date: 2004.11.06 @ 10:21:13
End Date: 2004.11.06 @ 21:03:26
Job Ticket #: 18553 DST #: 2

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

Strata Exploration, Inc. Murphy Trust #1 33/29S/32W DST # 2 Morrow SS. 2004.11.06

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DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Strata Exploration, Inc.
P.O. Box 401
Fairfield, IL 62837

ATTN: Jon Christensen

Murphy Trust #1

33/29S/32W

Job Ticket: 18553 **DST#: 2**

Test Start: 2004.11.06 @ 10:21:13

GENERAL INFORMATION:

Formation: **Morrow SS.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:57:56
Time Test Ended: 21:03:26

Test Type: Conventional Bottom Hole
Tester: Chris Hagman
Unit No: 17

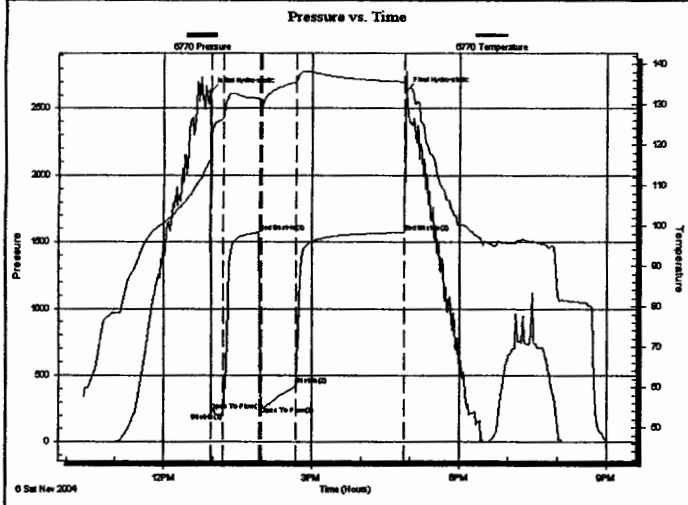
Interval: 5250.00 ft (KB) To 5335.00 ft (KB) (TVD)
Total Depth: 5335.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2919.00 ft (KB)
2907.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6770 **Inside**

Press@RunDepth:	428.65 psig @	5253.00 ft (KB)		Capacity:	7000.00 psig
Start Date:	2004.11.06	End Date:	2004.11.06	Last Calib.:	1899.12.30
Start Time:	10:21:13	End Time:	21:03:26	Time On Btm:	2004.11.06 @ 12:56:26
				Time Off Btm:	2004.11.06 @ 16:54:56

TEST COMMENT: IF: BOB 2 min., strong building blow, GTS 15 min. (flamable)
ISI: Blow back present, BOB 6 min.
FF: BOB GTS ASAO, strong steady blow, (All gas too small to gauge)
FSI: Blow back present, BOB 4



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2623.26	116.02	Initial Hydro-static
2	233.11	122.28	Open To Flow (1)
16	219.09	126.79	Shut-In(1)
60	1571.94	131.54	End Shut-In(1)
63	267.35	128.37	Open To Flow (2)
105	428.65	135.53	Shut-In(2)
237	1573.62	135.59	End Shut-In(2)
239	2633.55	133.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1581.00	20%G, 80%O	26.98

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

Strata Exploration, Inc.

P.O. Box 401
Fairfield, IL 62837

ATTN: Jon Christensen

Murphy Trust #1

33/29S/32W

Job Ticket: 18553 **DST#: 2**

Test Start: 2004.11.06 @ 10:21:13

Tool Information

Drill Pipe:	Length:	4969.00 ft	Diameter:	4.50 inches	Volume:	97.75 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		30000.00 lb
Drill Collar:	Length:	279.00 ft	Diameter:	2.25 inches	Volume:	1.37 bbl	Weight to Pull Loose:		85000.00 lb
					Total Volume:	99.12 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		25.00 ft					String Weight:	Initial	73000.00 lb
Depth to Top Packer:		5250.00 ft						Final	80000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		85.00 ft							
Tool Length:		112.00 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			5224.00		
Shut In Tool	5.00			5229.00		
Hydraulic tool	5.00			5234.00		
Jars	5.00			5239.00		
Safety Joint	2.00			5241.00		
Packer	5.00			5246.00	27.00	Bottom Of Top Packer
Packer	4.00			5250.00		
Stubb	1.00			5251.00		
Perforations	2.00			5253.00		
Recorder	0.00	6770	Inside	5253.00		
Perforations	10.00			5263.00		
Change Over Sub	1.00			5264.00		
Drill Pipe	62.00			5326.00		
Change Over Sub	1.00			5327.00		
Perforations	5.00			5332.00		
Recorder	0.00	10993	Inside	5332.00		
Bullnose	3.00			5335.00	85.00	Bottom Packers & Anchor
Total Tool Length:	**112.00**					

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DRILL STEM TEST REPORT

FLUID SUMMARY

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P.O. Box 401
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ATTN: Jon Christensen

Murphy Trust #1

33/29S/32W

Job Ticket: 18553 **DST#: 2**

Test Start: 2004.11.06 @ 10:21:13

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	29 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2600.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

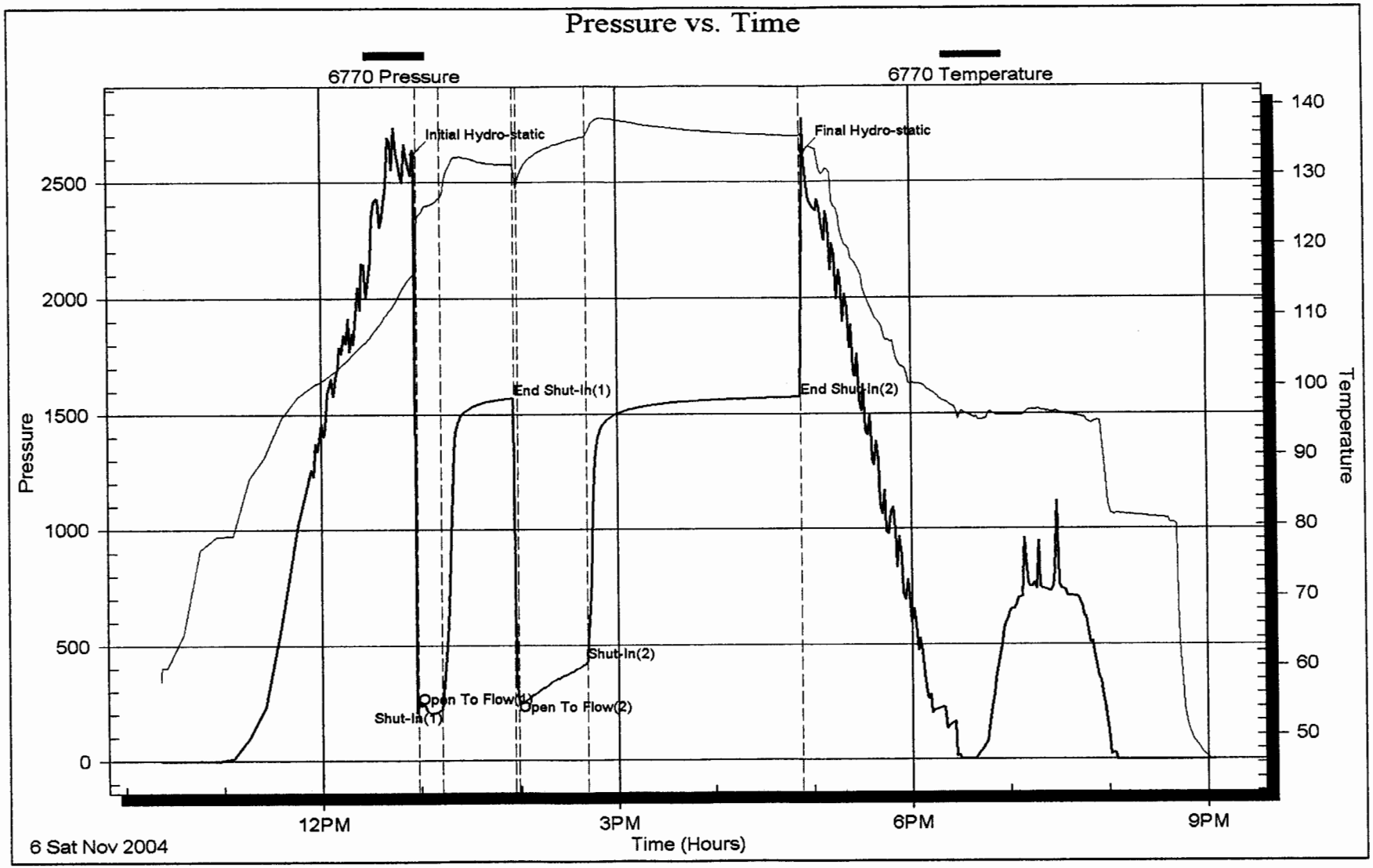
Length ft	Description	Volume bbl
1581.00	20%G, 80%O	26.984

Total Length: 1581.00 ft Total Volume: 26.984 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #:

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments: Oil API=28@68F=29


Pressure vs. Time
6770 Pressure
6770 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Shut-In(1)
Pressure
Temperature
Time (Hours)
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9PM
6 Sat Nov 2004
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