

DRILL STEM TEST REPORT

Prepared For: **Bach Oil**

PO Box 723
Alma NE 68920

ATTN: Randy Killian

27 7S 20W Rooks KS

Deloris #1

Start Date: 2006.11.15 @ 14:58:16

End Date: 2006.11.15 @ 22:25:44

Job Ticket #: 26128 DST #: 1

Api # 15-163-23569-0000
1930 F8L 760 FWL
NW SE NW SW

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Bach Oil

Deloris #1

27 7S 20W Rooks KS

DST # 1

LKC "C-E"

2006.11.15



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bach Oil

PO Box 723
Alma NE 68920

ATTN: Randy Killian

Deloris #1

27 7S 20W Rooks KS

Job Ticket: 26128

DST#: 1

Test Start: 2006.11.15 @ 14:58:16

GENERAL INFORMATION:

Formation: **LKC "C-E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:21:44

Time Test Ended: 22:25:44

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 24

Interval: **3178.00 ft (KB) To 3240.00 ft (KB) (TVD)**

Total Depth: 3240.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1952.00 ft (KB)

1947.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6769

Inside

Press@RunDepth: 95.97 psig @ 3181.01 ft (KB)

Start Date: 2006.11.15

End Date: 2006.11.15

Start Time: 14:58:16

End Time: 22:25:44

Capacity: 7000.00 psig

Last Calib.: 2006.11.15

Time On Btm: 2006.11.15 @ 17:21:29

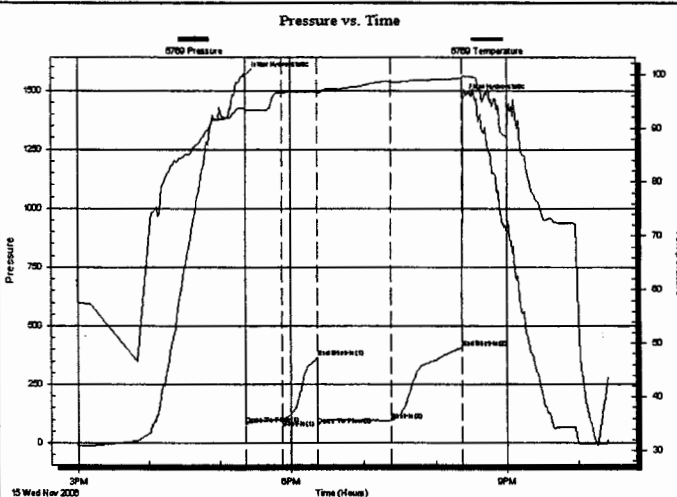
Time Off Btm: 2006.11.15 @ 20:22:59

TEST COMMENT: IFP Weak blow throughout 1/4" - 3"

ISI No blow back

FFP Weak to good blow 1/2" - 6 1/2"

FSI No blow back



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1564.35	93.76	Initial Hydro-static
1	77.35	92.82	Open To Flow (1)
31	98.54	96.54	Shut-In(1)
61	366.53	96.67	End Shut-In(1)
61	76.03	96.55	Open To Flow (2)
121	95.97	98.57	Shut-In(2)
182	407.40	99.21	End Shut-In(2)
182	1469.88	99.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 20%O 80%M	0.70

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Back Oil

Deloris #1

PO Box 723
Alma NE 68920

27 7S 20W Rooks KS

Job Ticket: 26128

DST#: 1

ATTN: Randy Killian

Test Start: 2006.11.15 @ 14:58:16

Tool Information

Drill Pipe:	Length: 3184.00 ft	Diameter: 3.80 inches	Volume: 44.66 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	35000.00 lb
			Total Volume: 44.66 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	30000.00 lb
Depth to Top Packer:	3178.00 ft			Final	30000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	62.02 ft				
Tool Length:	82.02 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3163.00	
Hydraulic tool	5.00			3168.00	
Packer	5.00			3173.00	20.00 Bottom Of Top Packer
Packer	5.00			3178.00	
Stubb	1.00			3179.00	
Perforations	2.00			3181.00	
Recorder	0.01	6769	Inside	3181.01	
Blank Spacing	31.00			3212.01	
Perforations	25.00			3237.01	
Recorder	0.01	13548	Outside	3237.02	
Bullnose	3.00			3240.02	62.02 Bottom Packers & Anchor

Total Tool Length: 82.02



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DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil

Deloris #1

PO Box 723
Alma NE 68920

27 7S 20W Rooks KS

Job Ticket: 26128

DST#: 1

ATTN: Randy Killian

Test Start: 2006.11.15 @ 14:58:16

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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.35 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	OCM 20%O 80%M	0.701

Total Length: 50.00 ft

Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

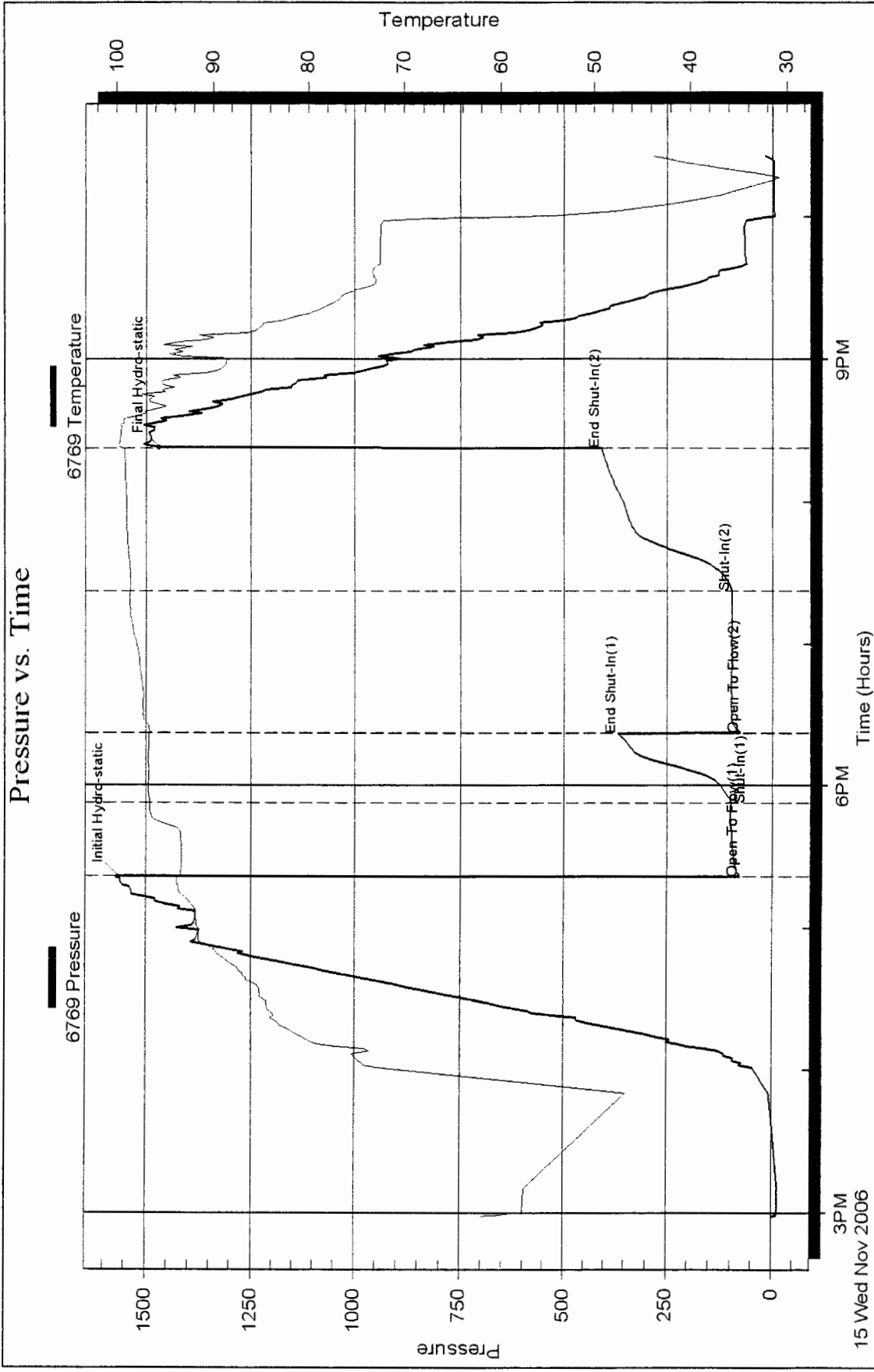
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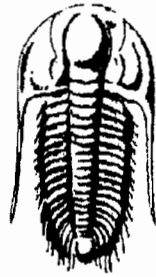
Laboratory Name:

Laboratory Location:

Recovery Comments: 45' GIP

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bach Oil**

PO Box 723
Alma NE 68920

ATTN: Randy Killian

27 7S 20W Rooks KS

Deloris #1

Start Date: 2006.11.15 @ 22:30:56

End Date: 2006.11.16 @ 08:43:39

Job Ticket #: 26129

DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Bach Oil

Deloris #1

27 7S 20W Rooks KS

DST # 2

Toronto LKC "A"

2006.11.15



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Bach Oil

PO Box 723
Alma NE 68920

ATTN: Randy Killian

Deloris #1

27 7S 20W Rooks KS

Job Ticket: 26129

DST#: 2

Test Start: 2006.11.15 @ 22:30:56

GENERAL INFORMATION:

Formation: **Toronto LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:17:24

Time Test Ended: 08:43:39

Test Type: Conventional Straddle

Tester: Brian Fairbank

Unit No: 24

Interval: **3116.00 ft (KB) To 3174.00 ft (KB) (TVD)**

Total Depth: 3240.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1952.00 ft (KB)

1947.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6769 Inside

Press@RunDepth: 581.32 psig @ 3118.01 ft (KB)

Start Date: 2006.11.15

End Date:

2006.11.16

Start Time: 22:30:56

End Time:

08:43:39

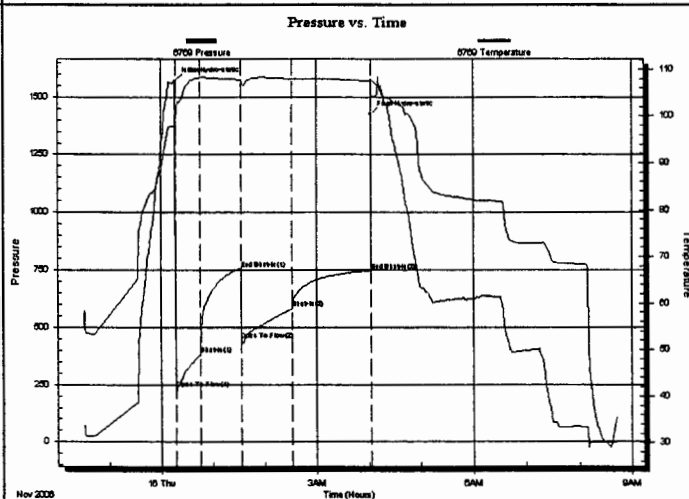
Capacity: 7000.00 psig

Last Calib.: 2006.11.16

Time On Btm: 2006.11.16 @ 00:17:09

Time Off Btm: 2006.11.16 @ 04:02:24

TEST COMMENT: IFP BOB 1 min.
ISI 9 1/2 " blow back
FFP BOB open
FSI BOB 37 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1569.58	97.90	Initial Hydro-static
1	230.03	97.25	Open To Flow (1)
29	380.50	108.25	Shut-In (1)
76	756.60	107.77	End Shut-In (1)
76	443.03	107.66	Open To Flow (2)
135	581.32	108.01	Shut-In (2)
225	747.45	107.46	End Shut-In (2)
226	1425.11	107.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCO 70%O 30%M	1.14
1185.00	REVERSED OUT	16.62
155.00	G Free Oil 20%G 77%O 3%M	2.17

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Back Oil

Deloris #1

PO Box 723
Alma NE 68920

27 7S 20W Rooks KS

Job Ticket: 26129

DST#: 2

ATTN: Randy Killian

Test Start: 2006.11.15 @ 22:30:56

Tool Information

Drill Pipe:	Length: 3062.00 ft	Diameter: 3.80 inches	Volume: 42.95 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: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 120000.0 lb
		Total Volume: 43.25 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3116.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	3175.02 ft			
Interval between Packers:	59.02 ft			
Tool Length:	149.03 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3101.00	
Hydraulic tool	5.00			3106.00	
Packer	5.00			3111.00	20.00 Bottom Of Top Packer
Packer	5.00			3116.00	
Stubb	1.00			3117.00	
Perforations	1.00			3118.00	
Recorder	0.01	6769	Inside	3118.01	
Blank Spacing	31.00			3149.01	
Perforations	20.00			3169.01	
Recorder	0.01	13548	Outside	3169.02	
Blank Off Sub	1.00			3170.02	
Blank Spacing	5.00			3175.02	59.02 Tool Interval
Packer	5.00			3180.02	
Blank Spacing	62.00			3242.02	
Recorder	0.01	13760	Below	3242.03	
Bullnose	3.00			3245.03	70.01 Bottom Packers & Anchor
Total Tool Length:	149.03				



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FLUID SUMMARY

Bach Oil

Deloris #1

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Job Ticket: 26129

DST#: 2

ATTN: Randy Killian

Test Start: 2006.11.15 @ 22:30:56

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.32 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MCO 70%O 30%M	1.137
1185.00	REVERSED OUT	16.622
155.00	G Free Oil 20%G 77%O 3%M	2.174

Total Length: 1460.00 ft

Total Volume: 19.933 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

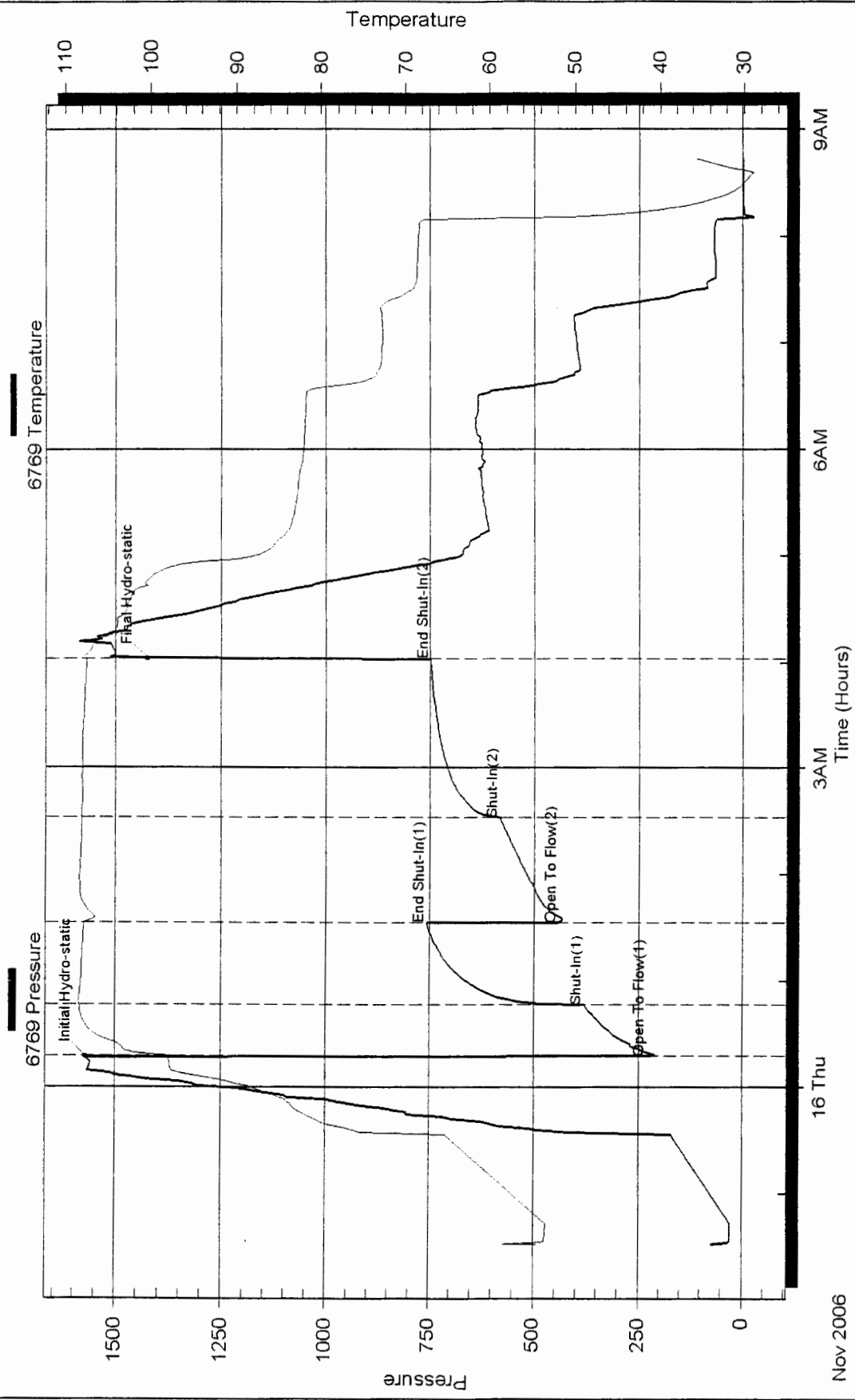
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1020' GIP

Pressure vs. Time



DRILL STEM TESTS

O	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	LKc C-E 3178- 3240'	77# 99# 30"	367# 30"	76# 96# 60"	407# 60"	1537# 1487#	45' GIP 50' O,C,Mud 20% O
2	Tor-A 3116- 3174'	230# 381# 30"	757# 45"	443# 581# 60"	747# 90"	1562# 1505#	1020' GIP 1460' M,G,Oil 34°
3							
4							
5							
6							
7							
8							

RECEIVED
 KANSAS CORPORATION COMMISSION
 JAN 08 2007
 CONSERVATION DIVISION
 WICHITA, KS