



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____-_____-_____- Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1047231

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	G. Andersen 2-26
Doc ID	1047231

Tops

Name	Top	Datum
Stone Corral	2508	+487
Bs/Stone Corral	2530	+465
Heebner	3973	-978
Lansing	4012	-1017
Muncie Creek	4160	-1165
Stark	4242	-1247
Marmaton	4341	-1346
Little Osage	4474	-1479
Johnson	4572	-1577
Morrow	4598	-1603
Mississippian	4631	-1636
LTD	4660	



*Mark Parkinson, Governor
Thomas E. Wright, Chairman
Joseph F. Harkins, Commissioner
Ward Loyd, Commissioner*

November 19, 2010

Ronald N. Sinclair
Grand Mesa Operating Company
1700 N WATERFRONT PKWY BLDG 600
WICHITA, KS 67206-5514

Re: ACO1
API 15-109-20950-00-00
G. Andersen 2-26
SW/4 Sec.26-12S-32W
Logan County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Ronald N. Sinclair

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

GRAND MESA OPERATING CO.

WELL: G. ANDERSEN #2-26

LOC.: NE-SE-SE-SW
356' FSL & 2585' FWL
SEC. 26-12-32W
LOGAN COUNTY, KANSAS
API: 15-109-20950-00-00

DRILLING CONTR.: MURFIN RIG #24
SPUD: 9-30-10 COMP: 10-10-10
MUD UP: 3500' TYPE MUD: CHEM.
DRILL TIME: 3600-RTD
RTD: 4664' LTD: 4660'
SAMPLES SAVED: 3800'-RTD
GEOLOGIST: ROBERT J. PETERSEN

ELEVATION

KB: 2995'
GL: 2990'
LOG MEASURED
FROM: KB

SURFACE CASING

23# 8 5/8" Set @ 220' KB.
Cem. w/165sx Comm.,
3% CC, 2% Gel.

PRODUCTION CASING

5 1/2 15.50# casing set
@ 4653 w/175SX

WELL LOG SURVEYS

DIL/CDL w/micro

FORMATION TOPS

Formation	Sample Top	Datum	Elev. Log	Datum	Pos.
Stone Corral	2511	484	2508	487	-6
Bs/Stone Corral	2534	481	2530	465	-4
Heebner	3979	-984	3973	-978	-4
Lansing	4018	-1023	4012	-1017	-4
Muncie Creek	4185	-1170	4180	-1165	-4
Stark	4247	-1252	4242	-1247	-3
Marmaton	4344	-1349	4341	-1346	-5
Little Osage	4479	-1484	4474	-1479	-6
Johnson	4577	-1582	4572	-1577	-5
Morrow	4597	-1602	4598	-1603	-6
Mississippian	4629	-1634	4631	-1636	-23

REFERENCE WELL:

GRAND MESA
G. ANDERSEN #1-26
26-12-32W
480' FSL & 2010' FEL
EL. 2997KB

REMARKS AND RECOMMENDATIONS

The operator has run production casing to further test this well for commercial production.

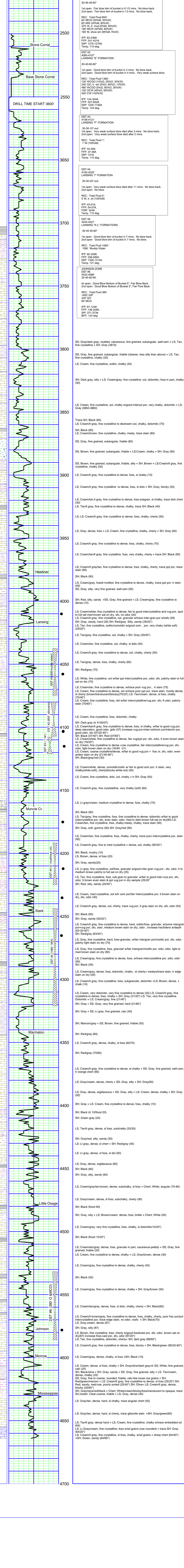
Respectfully submitted,

Robert J. Petersen

DAILY REPORT

@ 7:00 A.M.

09/30/10: MIRU: Spud @ 2:15 p.m.
10/01/10: 600' drilling
10/02/10: 2485' drilling
10/03/10: 3612' bit trip
10/04/10: 4029' circulating for samples.
10/05/10: 4107' DST #2
10/06/10: 4125' drilling
10/07/10: 4305' drilling
10/08/10: 4465' drilling
10/09/10: 4585' DST #6
10/10/10: 4664' Laying down drill pipe.





DRILL STEM TEST REPORT

Prepared For: **GRAND MESA OPERATING COMPANY**

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

ATTN: BOB PETERSON

26-12S-32W LOGAN

G ANDERSEN 2-26

Start Date: 2010.10.04 @ 23:00:00

End Date: 2010.10.05 @ 06:16:00

Job Ticket #: 1029 DST #: 1

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.10.05 @ 00:06:50



DRILL STEM TEST REPORT

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

ATTN: BOB PETERSON

Job Ticket: 1029

DST#: 1

Test Start: 2010.10.04 @ 23:00:00

GENERAL INFORMATION:

Formation: **LKC -C-**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:04:00

Time Test Ended: 06:16:00

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15

Interval: 4037.00 ft (KB) To 4075.00 ft (KB) (TVD)

Reference Elevations: 2995.00 ft (KB)

Total Depth: 4075.00 ft (KB) (TVD)

2990.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6666

Inside

Press @ Run Depth: 421.41 psig @ 4071.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.10.04

End Date: 2010.10.05

Last Calib.: 2010.10.04

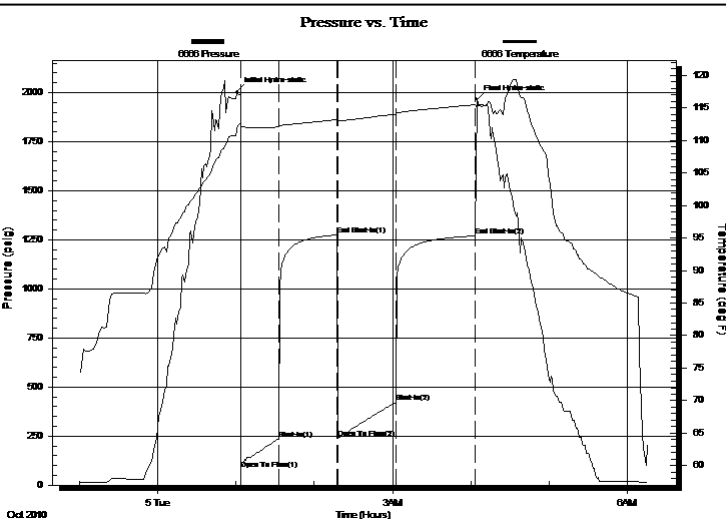
Start Time: 23:00:00

End Time: 06:16:00

Time On Btm: 2010.10.05 @ 01:01:00

Time Off Btm: 2010.10.05 @ 04:04:30

TEST COMMENT: 30-INITIAL OPENING FAIR BLOW BOTTOM BUCKET IN 9 1/2 MINS
45-INITIAL SHUT IN NO BLOW BACK
45-FINAL OPENING FAIR BLOW BOTTOM BUCKET IN 13 MINS
60-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2003.57	111.86	Initial Hydro-static
3	83.13	112.22	Open To Flow (1)
32	235.96	112.05	Shut-In(1)
77	1275.23	113.19	End Shut-In(1)
78	240.89	112.99	Open To Flow (2)
122	421.41	114.03	Shut-In(2)
183	1269.69	115.45	End Shut-In(2)
184	1965.96	115.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MUD WITH A SHOW OF WATER 95%MUD1.47WATER	
180.00	MUD CUT WATER 40%MUD60%WATER	2.63
370.00	WATER TRACE OF MUD 5%MUD95%WA	5.41
60.00	MUDDY WATER 20%M80%WATER	0.88
60.00	MUD CUT WATER 50%MUD50%WATER	0.88

Gas Rates

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



DRILL STEM TEST REPORT

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

ATTN: BOB PETERSON

Job Ticket: 1029

DST#: 1

Test Start: 2010.10.04 @ 23:00:00

GENERAL INFORMATION:

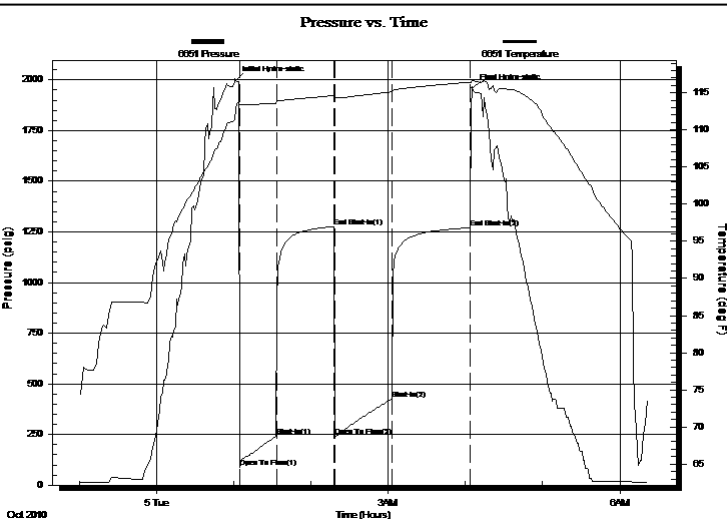
Formation: **LKC -C-**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:04:00
 Time Test Ended: 06:16:00
 Interval: **4037.00 ft (KB) To 4075.00 ft (KB) (TVD)**
 Total Depth: 4075.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 15
 Reference Elevations: 2995.00 ft (KB)
 2990.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6651

Outside

Press @ Run Depth: 1270.13 psig @ 4072.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2010.10.04 End Date: 2010.10.05 Last Calib.: 2010.10.04
 Start Time: 23:00:00 End Time: 06:21:30 Time On Btm: 2010.10.05 @ 01:01:30
 Time Off Btm: 2010.10.05 @ 04:05:30

TEST COMMENT: 30-INITIAL OPENING FAIR BLOW BOTTOM BUCKET IN 9 1/2 MINS
 45-INITIAL SHUT IN NO BLOW BACK
 45-FINAL OPENING FAIR BLOW BOTTOM BUCKET IN 13 MINS
 60-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1998.83	112.81	Initial Hydro-static
3	88.73	113.37	Open To Flow (1)
32	242.96	113.62	Shut-In(1)
76	1275.83	114.62	End Shut-In(1)
77	239.33	114.35	Open To Flow (2)
122	424.75	115.14	Shut-In(2)
182	1270.13	116.45	End Shut-In(2)
184	1958.00	116.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MUD WITH A SHOW OF WATER 95%MUD1.47WATER	
180.00	MUD CUT WATER 40%MUD60%WATER	2.63
370.00	WATER TRACE OF MUD 5%MUD95%WATER	5.41
60.00	MUDDY WATER 20%MUD80%WATER	0.88
60.00	MUD CUT WATER 50%MUD50%WATER	0.88

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

Job Ticket: 1029

DST#: 1

ATTN: BOB PETERSON

Test Start: 2010.10.04 @ 23:00:00

Tool Information

Drill Pipe:	Length: 3896.00 ft	Diameter: 3.88 inches	Volume: 56.98 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: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 57.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4037.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	61.00 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			4019.00	
HYD S.I. Tool	5.00			4024.00	
jars	6.00			4030.00	
safty joint	2.00			4032.00	
TRAVEL COLER	2.00			4034.00	
Packer	3.00			4037.00	23.00 Bottom Of Top Packer
travel collar	2.00			4039.00	38.00 Tool Interval
Packer	3.00			4042.00	
Anchor	28.00			4070.00	
Recorder	1.00	6666	Inside	4071.00	
Recorder	1.00	6651	Outside	4072.00	
BULL PLUG	3.00			4075.00	100060.00 Bottom Packers & Anchor
Total Tool Length:	61.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

GRAND MESA OPERATING COMPANY
1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206
ATTN: BOB PETERSON

G ANDERSEN 2-26
26-12S-32W LOGAN
Job Ticket: 1029 **DST#: 1**
Test Start: 2010.10.04 @ 23:00:00

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:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	MUD WITH A SHOW OF WATER 95%MUD 5%	1.468
180.00	MUD CUT WATER 40%MUD60%WATER	2.632
370.00	WATER TRACE OF MUD 5%MUD95%WATER	5.411
60.00	MUDDY WATER 20%M80%WATER	0.877
60.00	MUD CUT WATER 50%MUD50%WATER	0.877

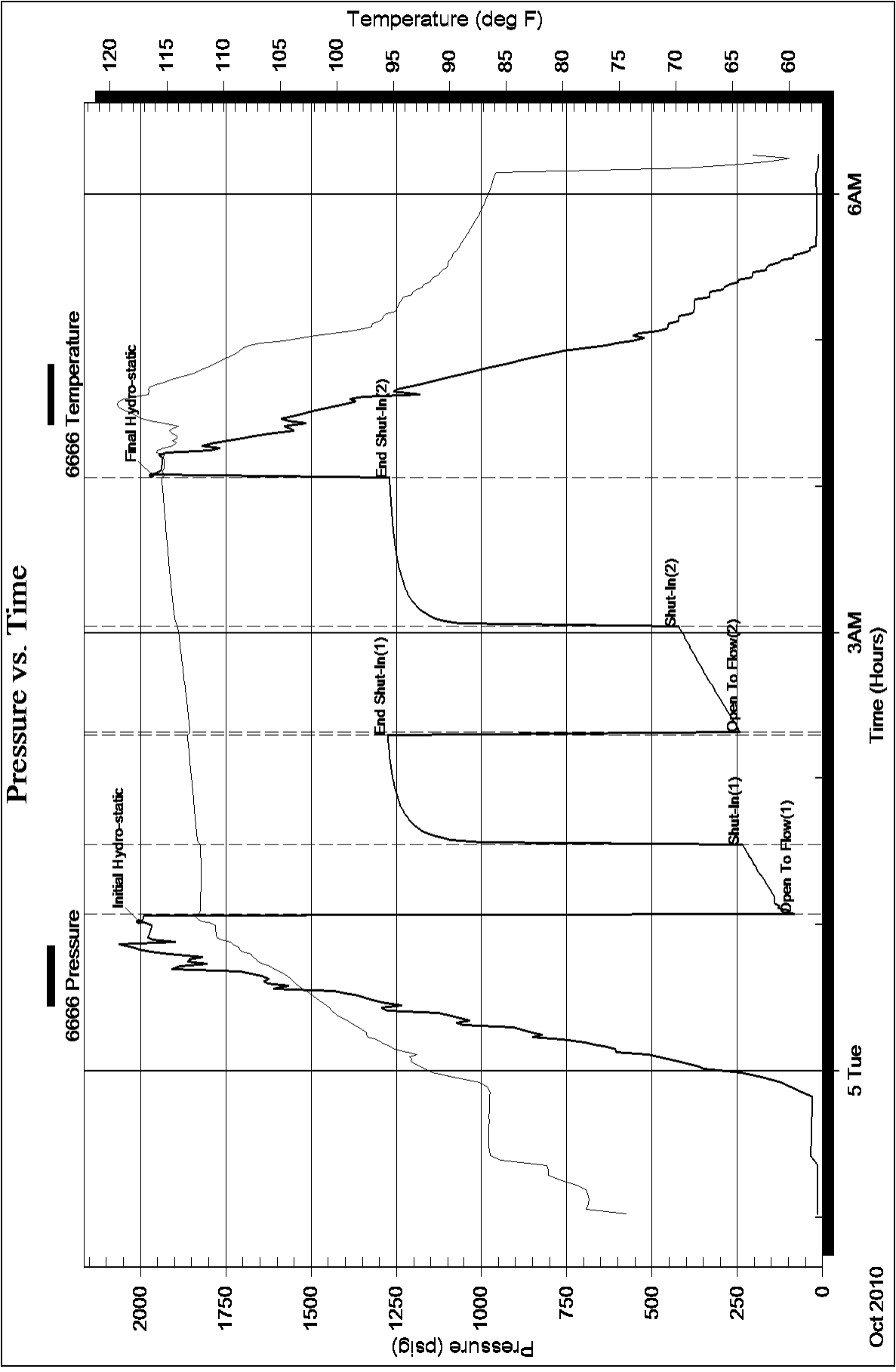
Total Length: 850.00 ft Total Volume: 11.265 bbl

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

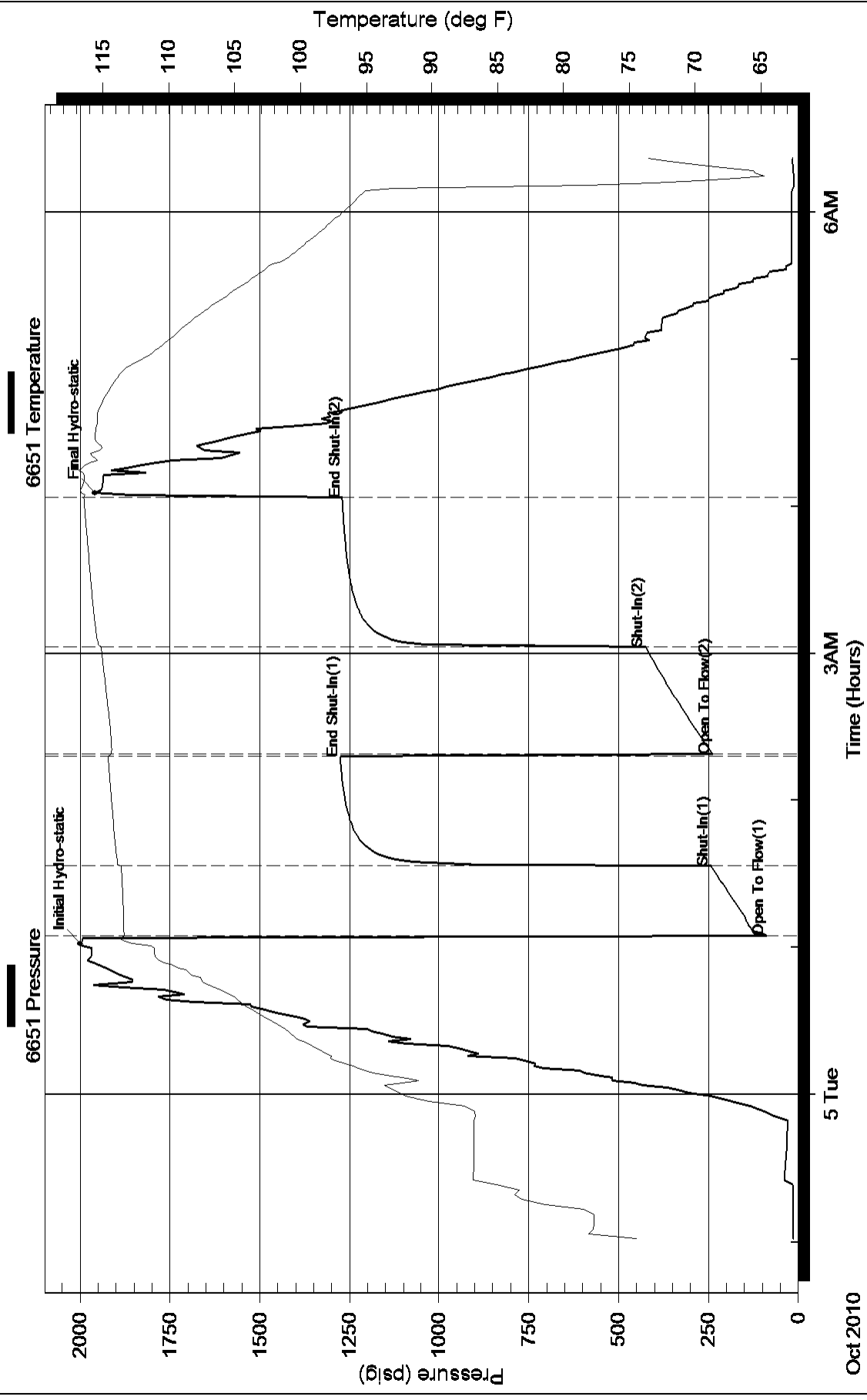
Laboratory Name: Laboratory Location:

Recovery Comments: RECOVERY CHLORIDES 46,000

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **GRAND MESA OPERATING COMPANY**

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

ATTN: BOB PETERSON

26-12S-32W LOGAN

G ANDERSEN 2-26

Start Date: 2010.10.05 @ 16:00:00

End Date: 2010.10.06 @ 00:26:00

Job Ticket #: 1030 DST #: 2

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.10.05 @ 16:29:52



DRILL STEM TEST REPORT

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

Job Ticket: 1030

DST#: 2

ATTN: BOB PETERSON

Test Start: 2010.10.05 @ 16:00:00

GENERAL INFORMATION:

Formation: **LKC -E-**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:05:30

Time Test Ended: 00:26:00

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15

Interval: 4080.00 ft (KB) To 4107.00 ft (KB) (TVD)

Reference Elevations: 2995.00 ft (KB)

Total Depth: 4107.00 ft (KB) (TVD)

2990.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6666

Inside

Press @ Run Depth: 652.16 psig @ 4103.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.10.05

End Date:

2010.10.06

Last Calib.: 2010.10.05

Start Time: 16:00:00

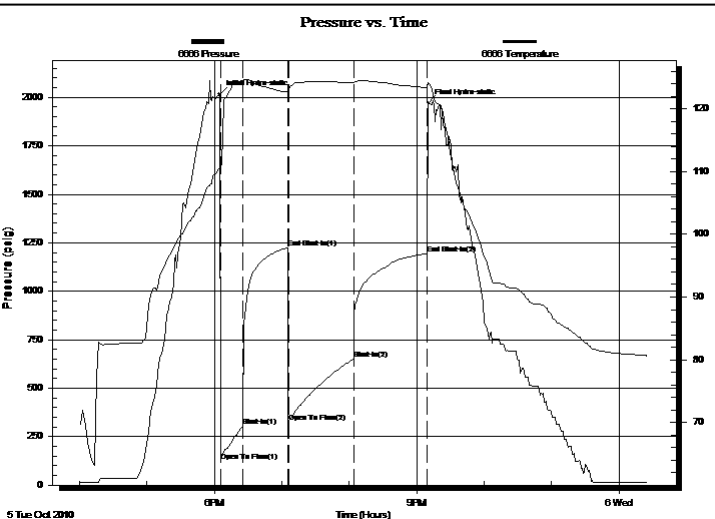
End Time:

00:26:00

Time On Btm: 2010.10.05 @ 18:04:30

Time Off Btm: 2010.10.05 @ 21:10:30

TEST COMMENT: 30-INITIAL OPENING GOOD BLOW BOTTOM BUCKET IN 2 MINS
40-INITIAL SHUT IN NO BLOW BACK
60-FINAL OPENING GOOD BLOW BOTTOM BUCKET IN 4 MINS
60-FINAL SHUT IN VERY WEAK SURFACE BLOW



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2014.84	110.63	Initial Hydro-static
1	123.89	110.41	Open To Flow (1)
21	303.59	124.45	Shut-In(1)
61	1224.83	122.68	End Shut-In(1)
62	326.54	122.70	Open To Flow (2)
120	652.16	124.20	Shut-In(2)
185	1194.46	123.36	End Shut-In(2)
186	1970.22	124.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	WATER CUT GASSY OIL 15%GAS 55%OIL	0.59
0.00	30%WATER	0.00
240.00	GASSY OIL WITH A TRACE OF WATER	3.51
0.00	5%GAS 85%OIL 10%WATER	0.00
480.00	WATER CUT GASSY OIL	7.02
0.00	5%GAS 60%OIL 35%WATER	0.00

Gas Rates

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



DRILL STEM TEST REPORT

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

Job Ticket: 1030

DST#: 2

ATTN: BOB PETERSON

Test Start: 2010.10.05 @ 16:00:00

GENERAL INFORMATION:

Formation: **LKC -E-**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:05:30

Time Test Ended: 00:26:00

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15

Interval: 4080.00 ft (KB) To 4107.00 ft (KB) (TVD)

Reference Elevations: 2995.00 ft (KB)

Total Depth: 4107.00 ft (KB) (TVD)

2990.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6651 Outside

Press @ RunDepth: 1195.94 psig @ 4104.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.10.05 End Date: 2010.10.06

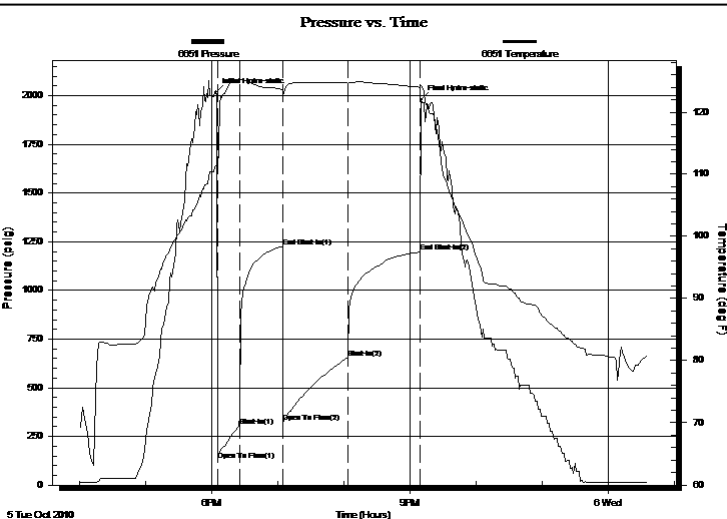
Last Calib.: 2010.10.05

Start Time: 16:00:00 End Time: 00:36:00

Time On Btm: 2010.10.05 @ 18:04:00

Time Off Btm: 2010.10.05 @ 21:10:30

TEST COMMENT: 30-INITIAL OPENING GOOD BLOW BOTTOM BUCKET IN 2 MINS
40-INITIAL SHUT IN NO BLOW BACK
60-FINAL OPENING GOOD BLOW BOTTOM BUCKET IN 4 MINS
60-FINAL SHUT IN VERY WEAK SURFACE BLOW



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2017.13	111.40	Initial Hydro-static
2	130.08	111.04	Open To Flow (1)
21	303.33	125.00	Shut-In(1)
61	1225.68	123.60	End Shut-In(1)
61	323.40	122.95	Open To Flow (2)
120	654.35	124.67	Shut-In(2)
186	1195.94	124.01	End Shut-In(2)
187	1978.46	124.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	WATER CUT GASSY OIL 15%GAS 55%OIL	0.59
0.00	30%WATER	0.00
240.00	GASSY OIL WITH A TRACE OF WATER	3.51
0.00	5%GAS 85%OIL 10%WATER	0.00
480.00	WATER CUT GASSY OIL	7.02
0.00	5%GAS 60%OIL 35%WATER	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

Job Ticket: 1030

DST#: 2

ATTN: BOB PETERSON

Test Start: 2010.10.05 @ 16:00:00

Tool Information

Drill Pipe:	Length: 3940.00 ft	Diameter: 3.88 inches	Volume: 57.62 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: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 58.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4080.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	50.00 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			4062.00	
HYD S.I. Tool	5.00			4067.00	
jars	6.00			4073.00	
safty joint	2.00			4075.00	
TRAVEL COLER	2.00			4077.00	
Packer	3.00			4080.00	23.00 Bottom Of Top Packer
travel collar	2.00			4082.00	27.00 Tool Interval
Packer	3.00			4085.00	
Anchor	17.00			4102.00	
Recorder	1.00	6666	Inside	4103.00	
Recorder	1.00	6651	Outside	4104.00	
BULL PLUG	3.00			4107.00	1000049.00 Bottom Packers & Anchor

Total Tool Length: 50.00



DRILL STEM TEST REPORT

FLUID SUMMARY

GRAND MESA OPERATING COMPANY
1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206
ATTN: BOB PETERSON

G ANDERSEN 2-26
26-12S-32W LOGAN
Job Ticket: 1030 **DST#: 2**
Test Start: 2010.10.05 @ 16:00:00

Mud and Cushion Information

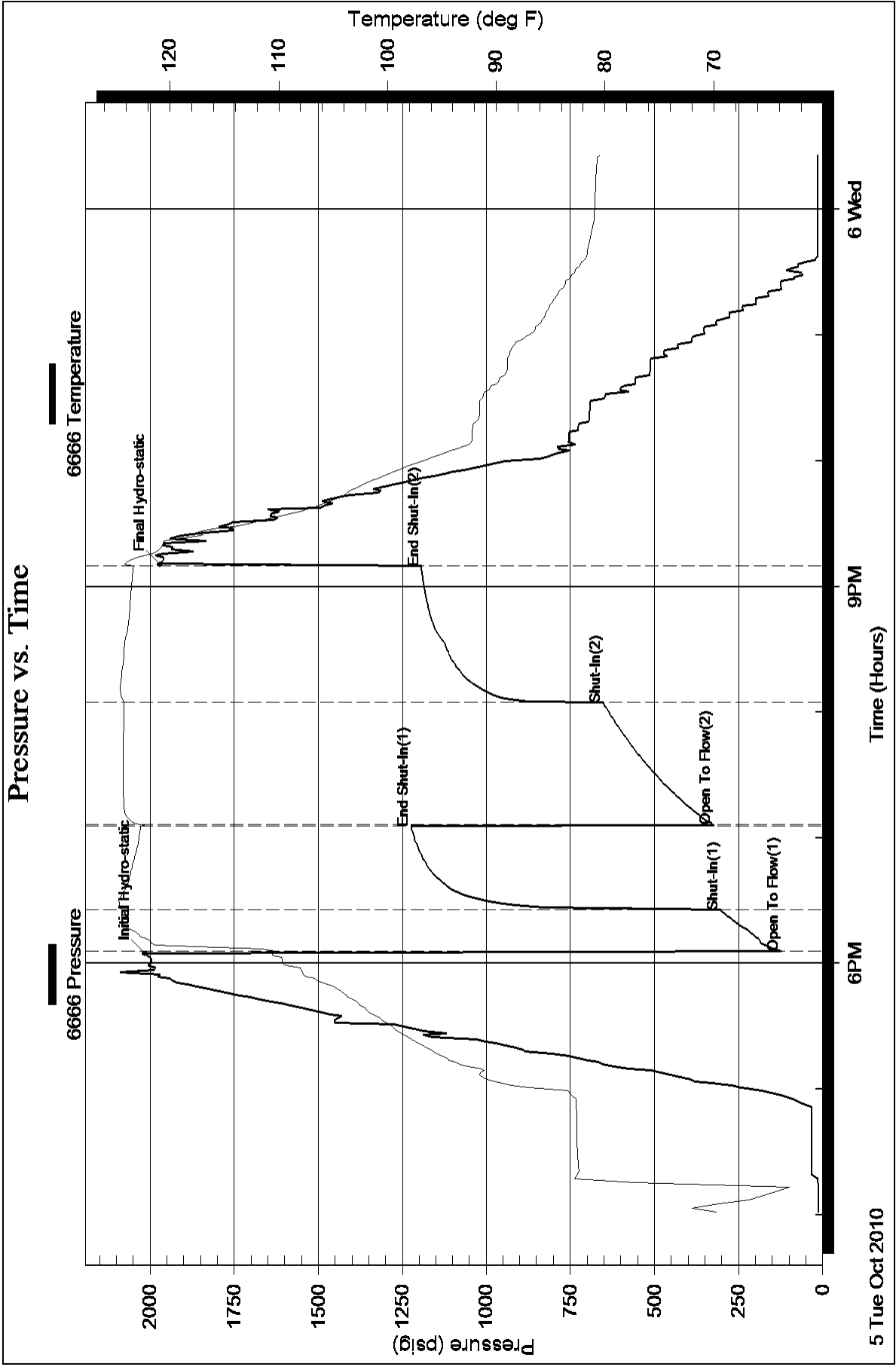
Mud Type: Gel Chem	Cushion Type:	Oil API: 32 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1800.00 ppm		
Filter Cake: inches		

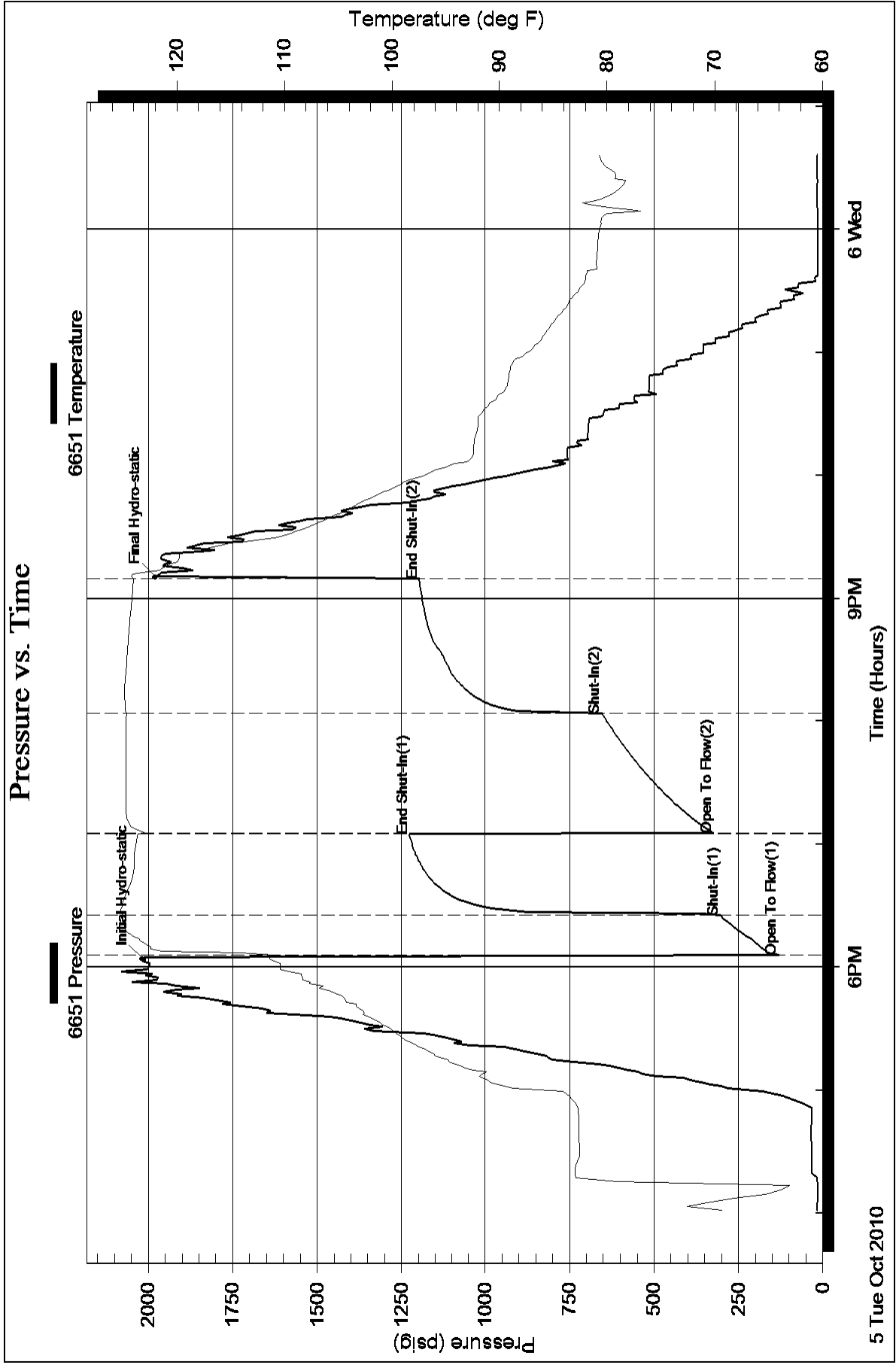
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	WATER CUT GASSY OIL 15%GAS 55%OIL	0.590
0.00	30%WATER	0.000
240.00	GASSY OIL WITH A TRACE OF WATER	3.510
0.00	5%GAS 85%OIL 10%WATER	0.000
480.00	WATER CUT GASSY OIL	7.020
0.00	5%GAS 60%OIL 35%WATER	0.000
120.00	OIL CUT WATER 40%OIL 60%WATER	1.755
420.00	CLEAN WATER 100%WATER	6.142

Total Length: 1380.00 ft Total Volume: 19.017 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RECOVERY CHLORIDES 46,0000







DRILL STEM TEST REPORT

Prepared For: **GRAND MESA OPERATING COMPANY**

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

ATTN: BOB PETERSON

26-12S-32W LOGAN

G ANDERSEN 2-26

Start Date: 2010.10.06 @ 04:00:00

End Date: 2010.10.06 @ 08:51:30

Job Ticket #: 1031 DST #: 3

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.10.06 @ 04:12:37



DRILL STEM TEST REPORT

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

Job Ticket: 1031

DST#: 3

ATTN: BOB PETERSON

Test Start: 2010.10.06 @ 04:00:00

GENERAL INFORMATION:

Formation: **LKC -F-**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:48:30

Time Test Ended: 08:51:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 70 MRT SCOTT CIT

Interval: 4108.00 ft (KB) To 4121.00 ft (KB) (TVD)

Reference Elevations: 2995.00 ft (KB)

Total Depth: 4121.00 ft (KB) (TVD)

2990.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6666

Inside

Press @ Run Depth: 35.28 psig @ 4117.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.10.06

End Date:

2010.10.06

Last Calib.:

2010.10.06

Start Time: 04:00:00

End Time:

08:51:30

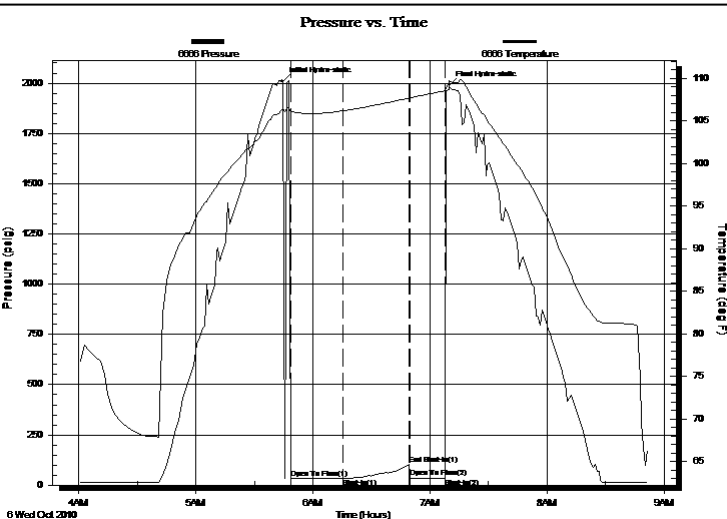
Time On Btm:

2010.10.06 @ 05:44:30

Time Off Btm:

2010.10.06 @ 07:10:00

TEST COMMENT: 30-INITIAL OPENING VERY WEAK SURFACE BLOW DIED AFTER 3 MINS
30-INITIAL SHUT IN NO BLOW BACK
10-FINAL OPENING VERY WEAK SURFACE BLOW DIED AFTER 2 MINS



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2008.75	106.38	Initial Hydro-static
4	34.31	106.11	Open To Flow (1)
32	35.28	106.16	Shut-In(1)
65	101.36	107.64	End Shut-In(1)
65	36.74	107.63	Open To Flow (2)
83	35.98	108.53	Shut-In(2)
86	1990.01	109.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	MUD 100% MUD	0.00

Gas Rates

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



DRILL STEM TEST REPORT

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

Job Ticket: 1031

DST#: 3

ATTN: BOB PETERSON

Test Start: 2010.10.06 @ 04:00:00

GENERAL INFORMATION:

Formation: **LKC -F-**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:48:30

Time Test Ended: 08:51:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 70 MRT SCOTT CIT

Interval: 4108.00 ft (KB) To 4121.00 ft (KB) (TVD)

Reference Elevations: 2995.00 ft (KB)

Total Depth: 4121.00 ft (KB) (TVD)

2990.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6651

Outside

Press @ RunDepth: 101.11 psig @ 4118.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.10.06

End Date:

2010.10.06

Last Calib.:

2010.10.06

Start Time: 04:00:00

End Time:

08:55:30

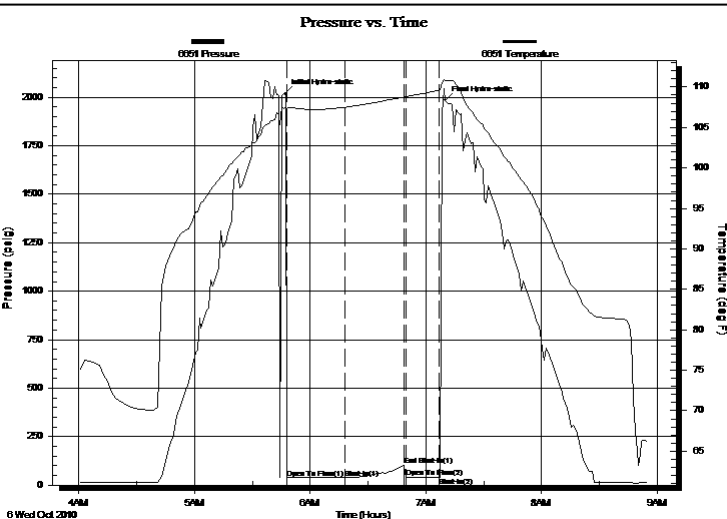
Time On Btm:

2010.10.06 @ 05:47:00

Time Off Btm:

2010.10.06 @ 07:10:00

TEST COMMENT: 30-INITIAL OPENING VERY WEAK SURFACE BLOW DIED AFTER 3 MINS
30-INITIAL SHUT IN NO BLOW BACK
10-FINAL OPENING VERY WEAK SURFACE BLOW DIED AFTER 2 MINS



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2016.76	107.43	Initial Hydro-static
1	37.55	107.28	Open To Flow (1)
31	37.79	107.50	Shut-In(1)
62	101.11	108.76	End Shut-In(1)
63	38.14	108.78	Open To Flow (2)
80	38.15	109.59	Shut-In(2)
83	1984.39	110.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	MUD 100% MUD	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

Job Ticket: 1031

DST#: 3

ATTN: BOB PETERSON

Test Start: 2010.10.06 @ 04:00:00

Tool Information

Drill Pipe:	Length: 3965.00 ft	Diameter: 3.88 inches	Volume: 57.99 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: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 58.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	0.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4108.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	36.00 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			4090.00	
HYD S.I. Tool	5.00			4095.00	
jars	6.00			4101.00	
safty joint	2.00			4103.00	
TRAVEL COLER	2.00			4105.00	
Packer	3.00			4108.00	23.00 Bottom Of Top Packer
travel collar	2.00			4110.00	13.00 Tool Interval
Packer	3.00			4113.00	
Anchor	3.00			4116.00	
Recorder	1.00	6666	Inside	4117.00	
Recorder	1.00	6651	Outside	4118.00	
BULL PLUG	3.00			4121.00	1000035.00 Bottom Packers & Anchor

Total Tool Length: 36.00



DRILL STEM TEST REPORT

FLUID SUMMARY

GRAND MESA OPERATING COMPANY
1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206
ATTN: BOB PETERSON

G ANDERSEN 2-26
26-12S-32W LOGAN
Job Ticket: 1031 **DST#: 3**
Test Start: 2010.10.06 @ 04:00:00

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:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	MUD 100% MUD	0.005

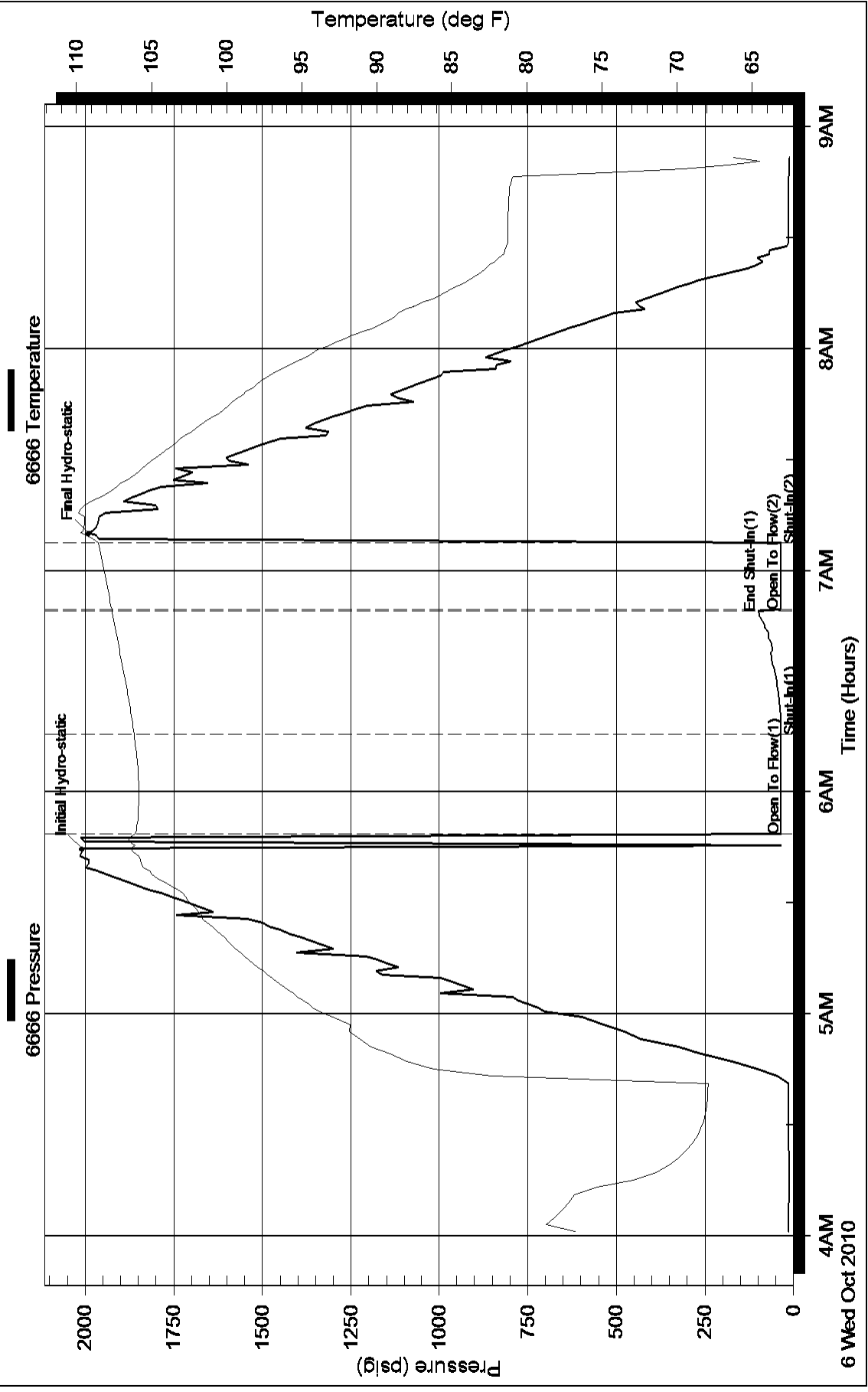
Total Length: 1.00 ft Total Volume: 0.005 bbl

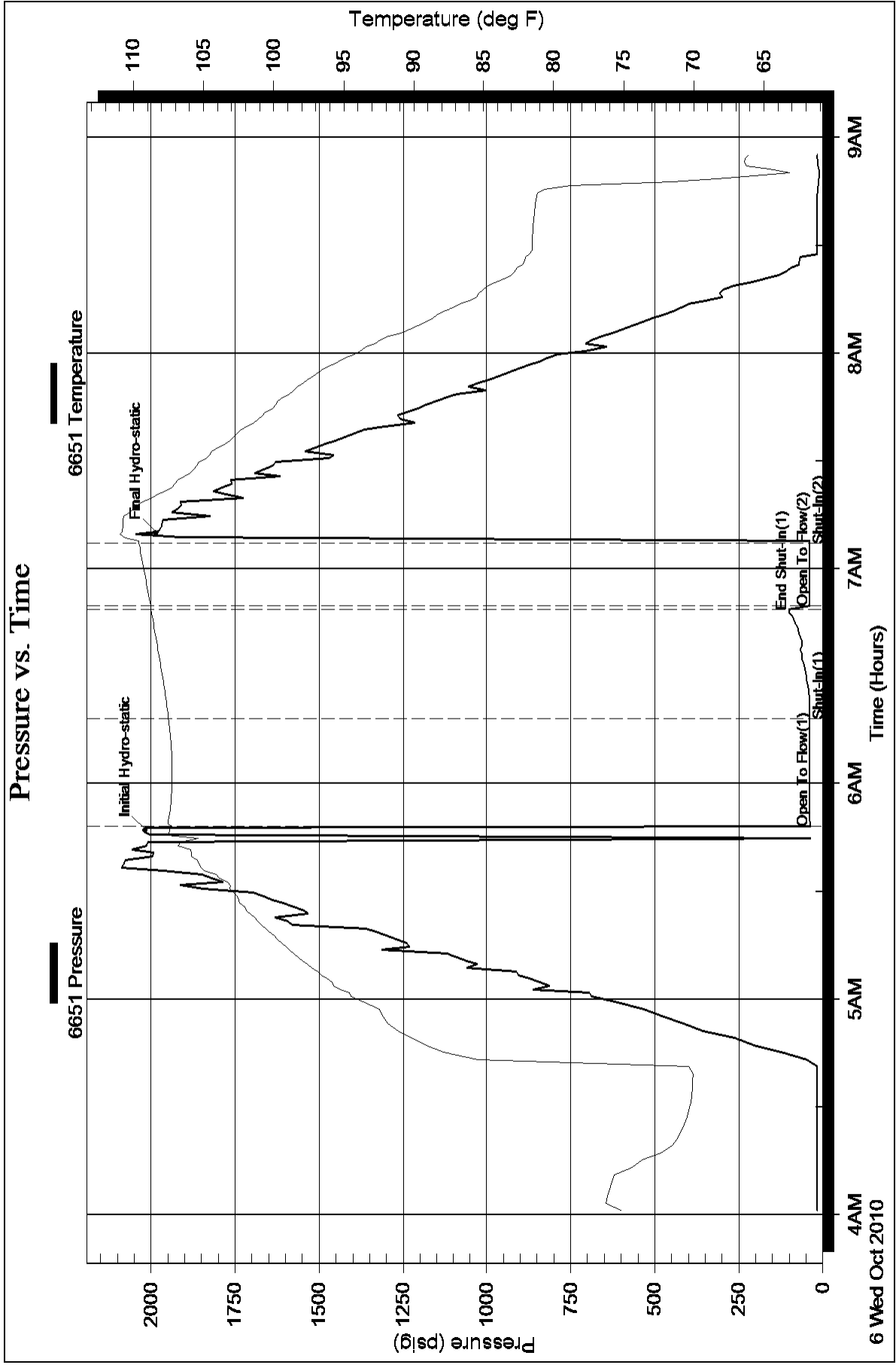
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **GRAND MESA OPERATING COMPANY**

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

ATTN: BOB PETERSON

26-12S-32W LOGAN

G ANDERSEN 2-26

Start Date: 2010.10.06 @ 21:00:00

End Date: 2010.10.07 @ 01:57:30

Job Ticket #: 1032 DST #: 4

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.10.06 @ 21:33:55



DRILL STEM TEST REPORT

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

Job Ticket: 1032

DST#: 4

ATTN: BOB PETERSON

Test Start: 2010.10.06 @ 21:00:00

GENERAL INFORMATION:

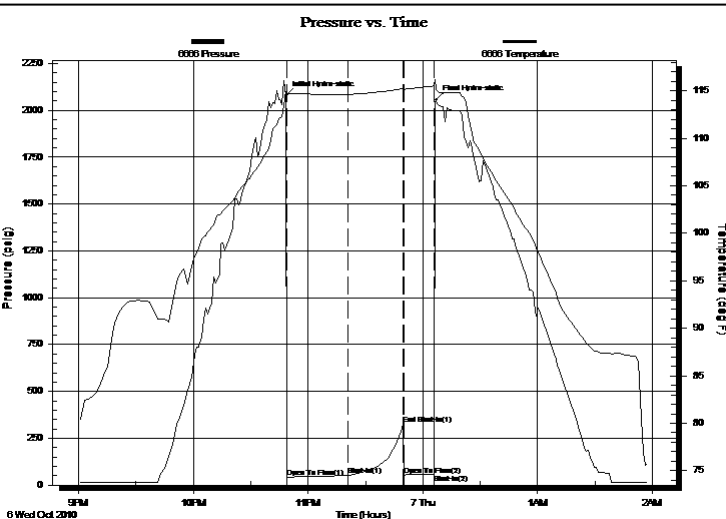
Formation: **LKC -I-**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:49:00
 Time Test Ended: 01:57:30
 Interval: **4192.00 ft (KB) To 4225.00 ft (KB) (TVD)**
 Total Depth: 4225.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 15 70 MRT SCOTT CIT
 Reference Elevations: 2995.00 ft (KB)
 2990.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6666

Inside

Press @ Run Depth: 50.59 psig @ 4221.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2010.10.06 End Date: 2010.10.07 Last Calib.: 2010.10.06
 Start Time: 21:00:00 End Time: 01:57:30 Time On Btm: 2010.10.06 @ 22:48:30
 Time Off Btm: 2010.10.07 @ 00:07:00

TEST COMMENT: 30-INITIAL OPENING VERY WEAK SURFACE BLOW DIED AFTER 11 MINS
 30-INITIAL SHUT IN NO BLOW BACK
 20-FINAL OPENING NO BLOW



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2078.97	114.89	Initial Hydro-static
1	43.40	114.63	Open To Flow (1)
32	50.59	114.61	Shut-In(1)
62	323.95	115.20	End Shut-In(1)
62	54.33	115.16	Open To Flow (2)
78	56.63	115.52	Shut-In(2)
79	2054.48	115.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MUD TRACE OF OIL 100%MUD	0.02

Gas Rates

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



DRILL STEM TEST REPORT

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

Job Ticket: 1032

DST#: 4

ATTN: BOB PETERSON

Test Start: 2010.10.06 @ 21:00:00

GENERAL INFORMATION:

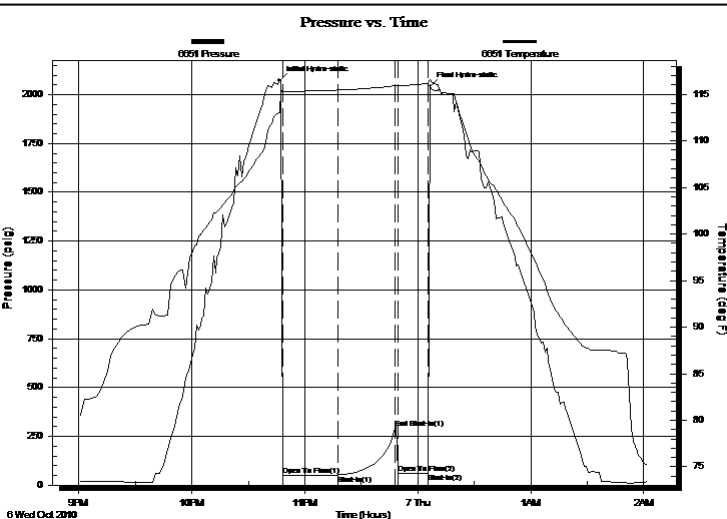
Formation: **LKC -I-**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:49:00
 Time Test Ended: 01:57:30
 Interval: **4192.00 ft (KB) To 4225.00 ft (KB) (TVD)**
 Total Depth: 4225.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 15 70 MRT SCOTT CIT
 Reference Elevations: 2995.00 ft (KB)
 2990.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6651

Outside

Press @ Run Depth: 293.09 psig @ 4222.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2010.10.06 End Date: 2010.10.07 Last Calib.: 2010.10.06
 Start Time: 21:00:00 End Time: 02:02:30 Time On Btm: 2010.10.06 @ 22:46:30
 Time Off Btm: 2010.10.07 @ 00:06:30

TEST COMMENT: 30-INITIAL OPENING VERY WEAK SURFACE BLOW DIED AFTER 11 MINS
 30-INITIAL SHUT IN NO BLOW BACK
 20-FINAL OPENING NO BLOW



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2072.39	113.02	Initial Hydro-static
2	47.65	115.23	Open To Flow (1)
31	52.76	115.45	Shut-In(1)
62	293.09	115.93	End Shut-In(1)
63	58.19	115.89	Open To Flow (2)
79	59.76	116.17	Shut-In(2)
80	2043.39	116.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MUD TRACE OF OIL 100%MUD	0.02

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

Job Ticket: 1032

DST#: 4

ATTN: BOB PETERSON

Test Start: 2010.10.06 @ 21:00:00

Tool Information

Drill Pipe:	Length: 4047.00 ft	Diameter: 3.88 inches	Volume: 59.18 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: 20000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 59.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4192.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	56.00 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			4174.00	
HYD S.I. Tool	5.00			4179.00	
jars	6.00			4185.00	
safty joint	2.00			4187.00	
TRAVEL COLER	2.00			4189.00	
Packer	3.00			4192.00	23.00 Bottom Of Top Packer
travel collar	2.00			4194.00	33.00 Tool Interval
Packer	3.00			4197.00	
Anchor	23.00			4220.00	
Recorder	1.00	6666	Inside	4221.00	
Recorder	1.00	6651	Outside	4222.00	
BULL PLUG	3.00			4225.00	1000055.00 Bottom Packers & Anchor

Total Tool Length: 56.00



DRILL STEM TEST REPORT

FLUID SUMMARY

GRAND MESA OPERATING COMPANY
1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206
ATTN: BOB PETERSON

G ANDERSEN 2-26
26-12S-32W LOGAN
Job Ticket: 1032 **DST#: 4**
Test Start: 2010.10.06 @ 21:00:00

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:	ppm
Viscosity:	62.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	81.96 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

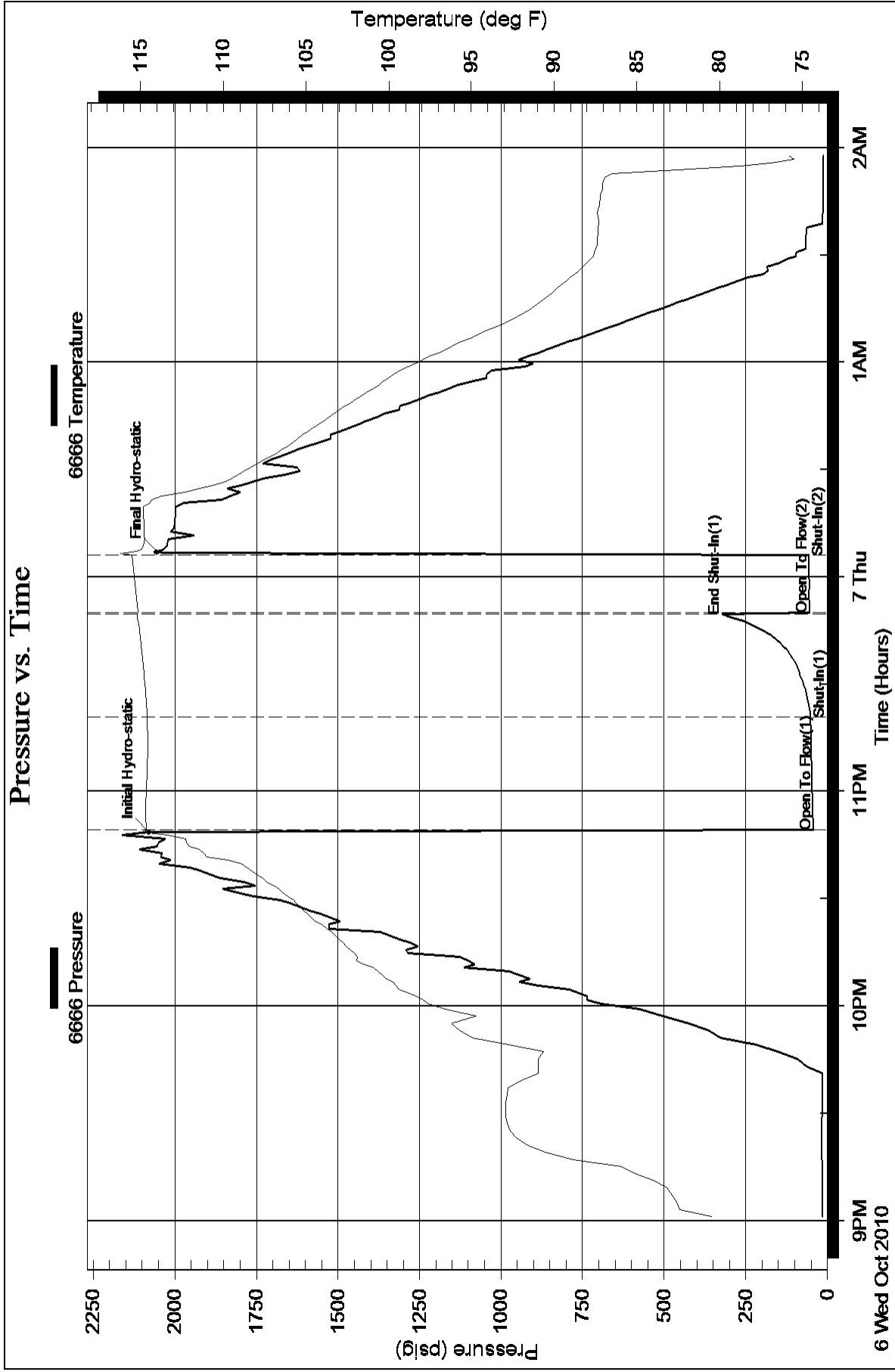
Length ft	Description	Volume bbl
5.00	MUD TRACE OF OIL 100%MUD	0.025

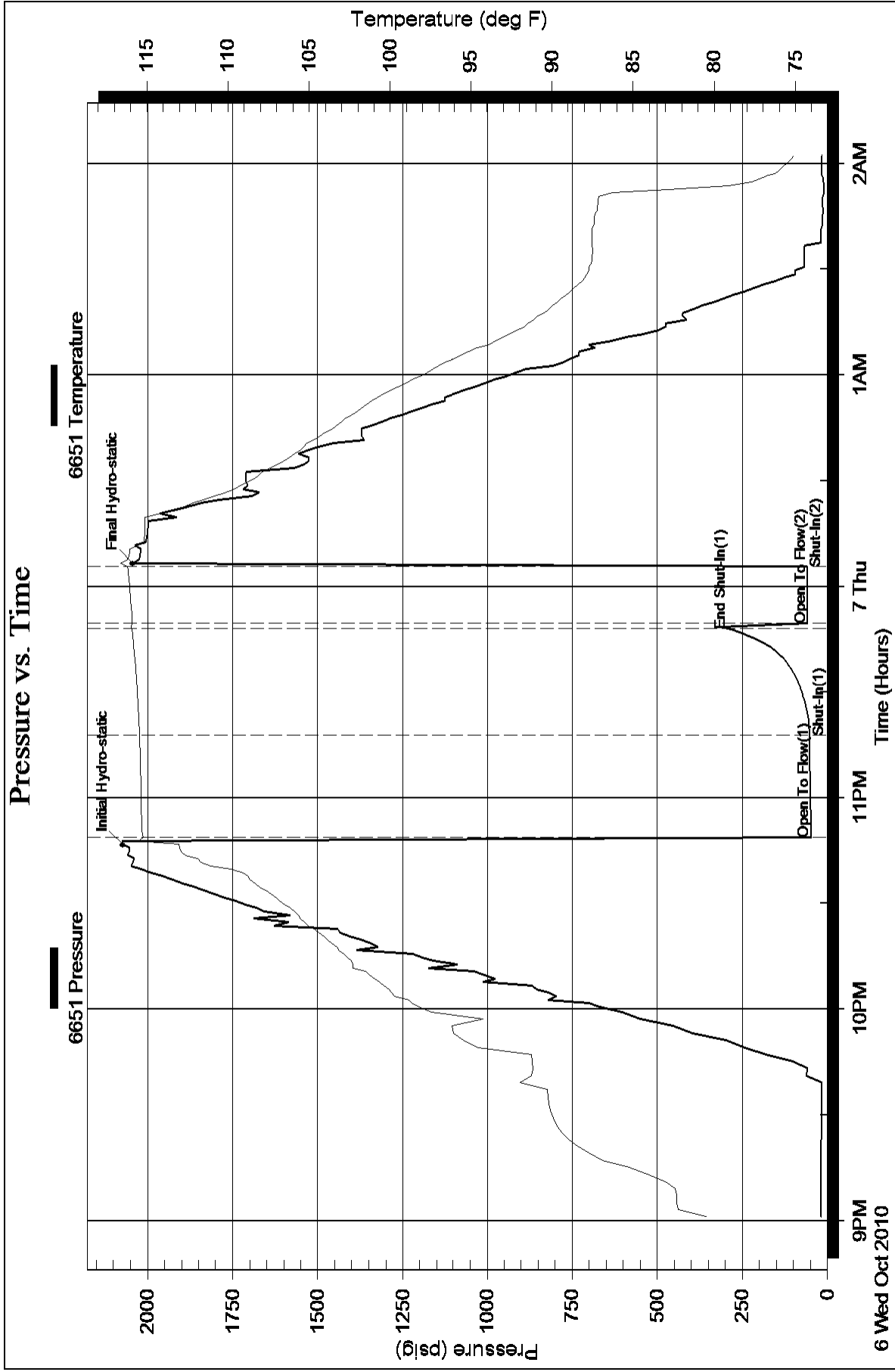
Total Length: 5.00 ft Total Volume: 0.025 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **GRAND MESA OPERATING COMPANY**

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

ATTN: BOB PETERSON

26-12S-32W LOGAN

G ANDERSEN 2-26

Start Date: 2010.10.07 @ 18:00:00

End Date: 2010.10.08 @ 01:11:30

Job Ticket #: 1033 DST #: 5

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.10.07 @ 18:35:42



DRILL STEM TEST REPORT

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

ATTN: BOB PETERSON

Job Ticket: 1033

DST#: 5

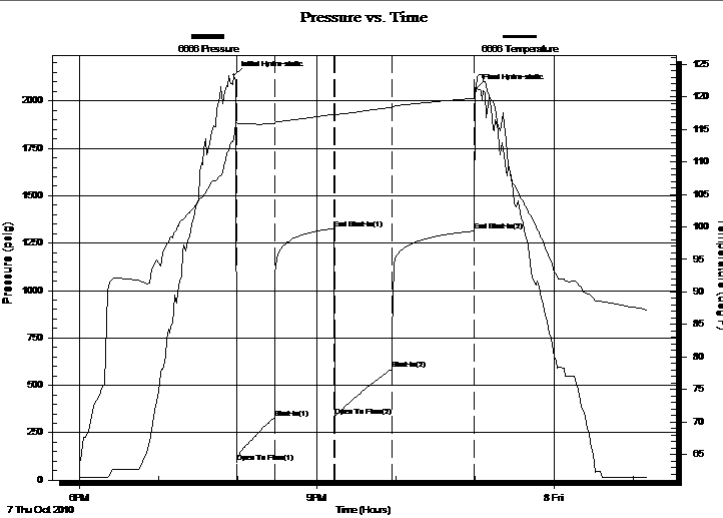
Test Start: 2010.10.07 @ 18:00:00

GENERAL INFORMATION:

Formation: **LKC K-L-**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:59:30
 Time Test Ended: 01:11:30
 Interval: **4244.00 ft (KB) To 4321.00 ft (KB) (TVD)**
 Total Depth: 4321.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 15 70 MRT SCOTT CIT
 Reference Elevations: 2995.00 ft (KB)
 2990.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6666 Inside
 Press @ Run Depth: 584.86 psig @ 4283.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2010.10.07 End Date: 2010.10.08 Last Calib.: 2010.10.07
 Start Time: 18:00:00 End Time: 01:11:30 Time On Btm: 2010.10.07 @ 19:57:30
 Time Off Btm: 2010.10.07 @ 23:01:00

TEST COMMENT: 30-INITIAL OPENING GOOD BLOW BOTTOM BUCKET IN 7 MINS
 45-INITIAL SHUT IN NO BLOW BACK
 45-FINAL OPENING GOOD BLOW BOTTOM BUCKET IN 7 MINS
 60-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2135.86	113.35	Initial Hydro-static
2	92.33	115.95	Open To Flow (1)
31	329.18	115.91	Shut-In(1)
76	1327.87	117.30	End Shut-In(1)
76	335.68	117.21	Open To Flow (2)
120	584.86	118.37	Shut-In(2)
182	1313.67	119.76	End Shut-In(2)
184	2065.20	121.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1080.00	MUDDY WATER	14.63

Gas Rates

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



DRILL STEM TEST REPORT

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

Job Ticket: 1033

DST#: 5

ATTN: BOB PETERSON

Test Start: 2010.10.07 @ 18:00:00

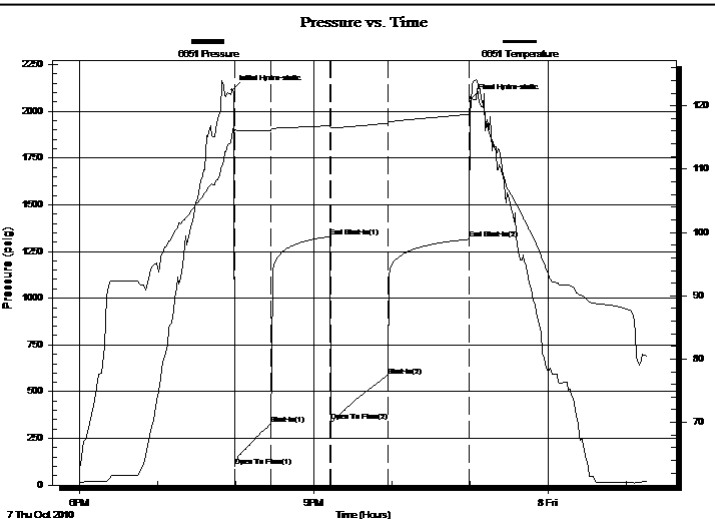
GENERAL INFORMATION:

Formation: **LKC K-L-**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:59:30
 Time Test Ended: 01:11:30
 Interval: **4244.00 ft (KB) To 4321.00 ft (KB) (TVD)**
 Total Depth: 4321.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 15 70 MRT SCOTT CIT
 Reference Elevations: 2995.00 ft (KB)
 2990.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6651

Press @ RunDepth: 1315.30 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2010.10.07 End Date: 2010.10.08 Last Calib.: 2010.10.07
 Start Time: 18:00:00 End Time: 01:16:00 Time On Btm: 2010.10.07 @ 19:57:30
 Time Off Btm: 2010.10.07 @ 23:00:30

TEST COMMENT: 30-INITIAL OPENING GOOD BLOW BOTTOM BUCKET IN 7 MINS
 45-INITIAL SHUT IN NO BLOW BACK
 45-FINAL OPENING GOOD BLOW BOTTOM BUCKET IN 7 MINS
 60-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2115.42	116.21	Initial Hydro-static
2	98.46	116.01	Open To Flow (1)
30	328.29	116.15	Shut-In(1)
76	1329.27	116.87	End Shut-In(1)
76	339.70	116.51	Open To Flow (2)
119	585.63	117.26	Shut-In(2)
182	1315.30	118.66	End Shut-In(2)
183	2068.26	120.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1080.00	MUDDY WATER	14.63

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

Job Ticket: 1033

DST#: 5

ATTN: BOB PETERSON

Test Start: 2010.10.07 @ 18:00:00

Tool Information

Drill Pipe:	Length: 4101.00 ft	Diameter: 3.88 inches	Volume: 59.97 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: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	0.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4244.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	77.00 ft			
Tool Length:	100.00 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			4226.00	
HYD S.I. Tool	5.00			4231.00	
jars	6.00			4237.00	
safty joint	2.00			4239.00	
TRAVEL COLER	2.00			4241.00	
Packer	3.00			4244.00	23.00 Bottom Of Top Packer
travel collar	2.00			4246.00	77.00 Tool Interval
Packer	3.00			4249.00	
change over sub	0.75			4249.75	
drill pipe	31.50			4281.25	
change over sub	0.75			4282.00	
Recorder	1.00	6666	Inside	4283.00	
Perforations	34.00			4317.00	
Recorder	1.00	6651	Outside	4318.00	
bull plug	3.00			4321.00	1000099.00 Bottom Packers & Anchor

Total Tool Length: 100.00



DRILL STEM TEST REPORT

FLUID SUMMARY

GRAND MESA OPERATING COMPANY
1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206
ATTN: BOB PETERSON

G ANDERSEN 2-26
26-12S-32W LOGAN
Job Ticket: 1033 **DST#: 5**
Test Start: 2010.10.07 @ 18:00:00

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:	ppm
Viscosity:	62.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	8.20 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1080.00	MUDDY WATER	14.629

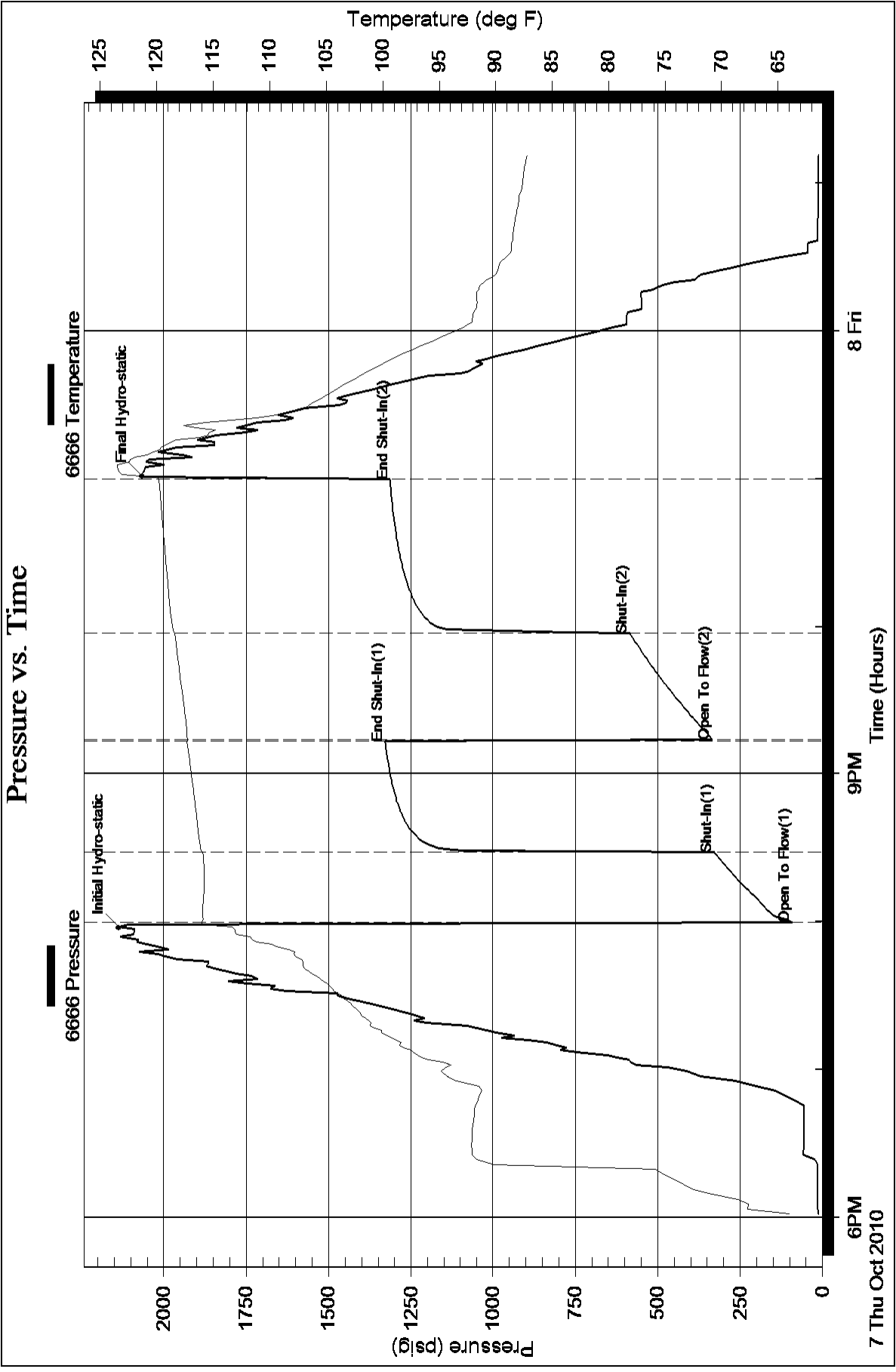
Total Length: 1080.00 ft Total Volume: 14.629 bbl

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

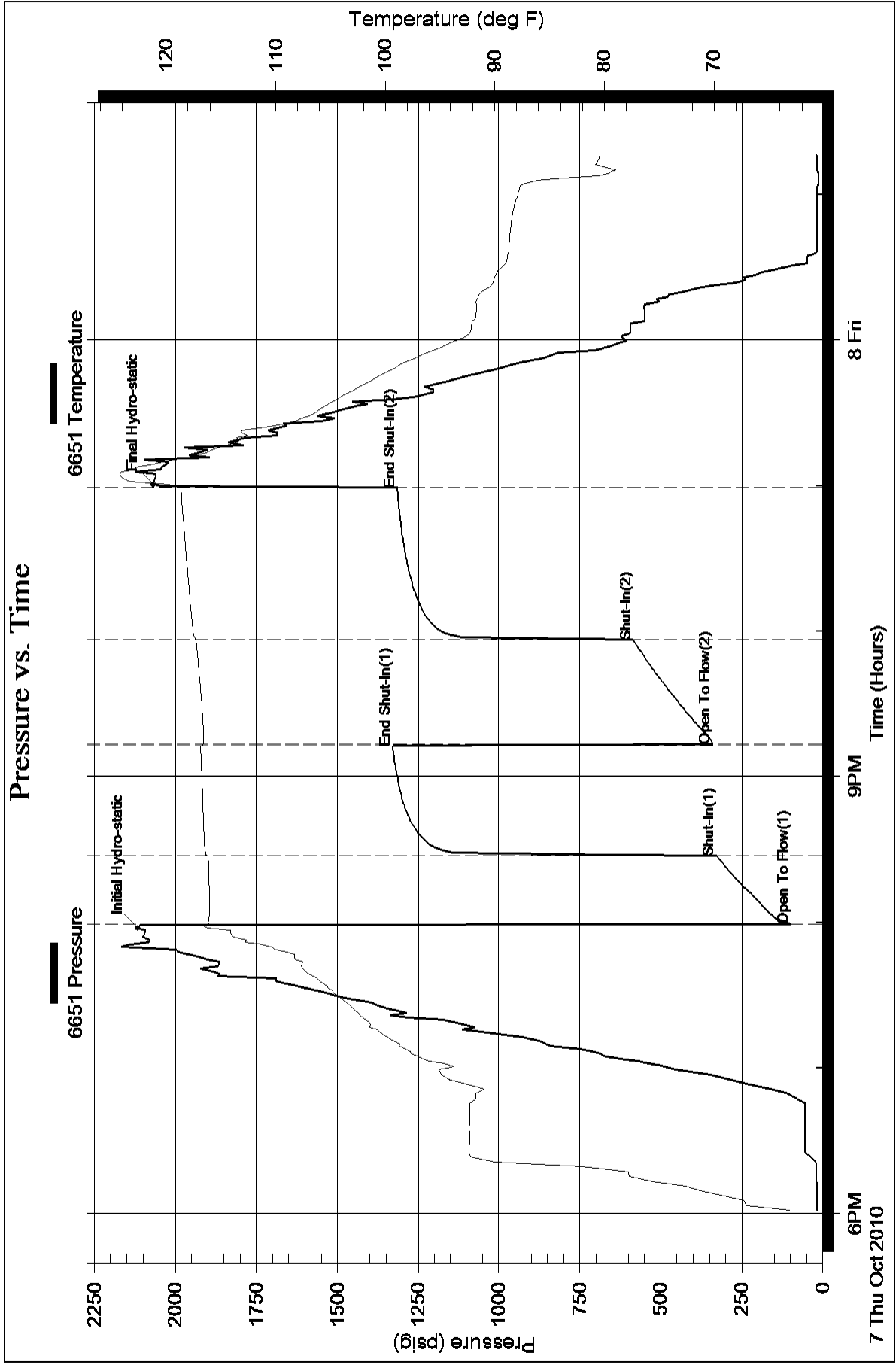
Laboratory Name: Laboratory Location:

Recovery Comments: RECOVERY CHLORQIDES 35 ,000

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **GRAND MESA OPERATING COMPANY**

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

ATTN: BOB PETERSON

26-12S-32W LOGAN

G ANDERSEN 2-26

Start Date: 2010.10.09 @ 06:00:00

End Date: 2010.10.09 @ 15:42:00

Job Ticket #: 1034 DST #: 6

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.10.09 @ 07:06:23

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

26-12S-32W LOGAN

DST # 6

JOHNSON

2010.10.09



DRILL STEM TEST REPORT

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

Job Ticket: 1034

DST#: 6

ATTN: BOB PETERSON

Test Start: 2010.10.09 @ 06:00:00

GENERAL INFORMATION:

Formation: **JOHNSON**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:30:00

Time Test Ended: 15:42:00

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 70 MRT SCOTT CIT

Interval: 4532.00 ft (KB) To 4586.00 ft (KB) (TVD)

Reference Elevations: 2995.00 ft (KB)

Total Depth: 4586.00 ft (KB) (TVD)

2990.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6666

Inside

Press @ Run Depth: 208.87 psig @ 4582.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.10.09 End Date: 2010.10.09

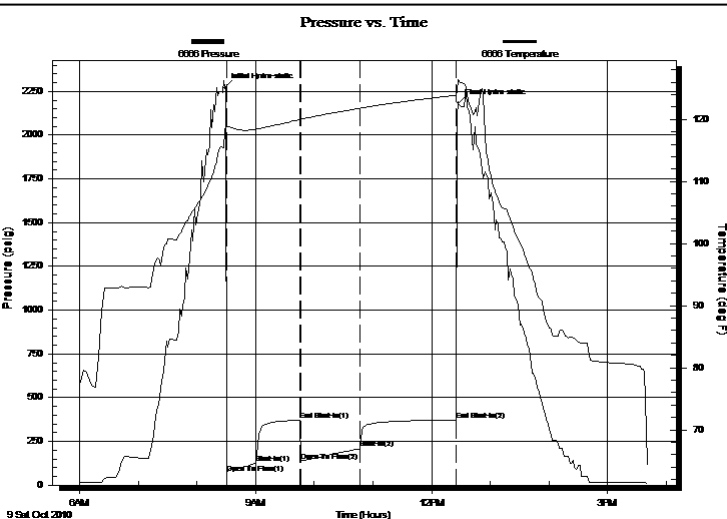
Last Calib.: 2010.10.09

Start Time: 06:00:00 End Time: 15:42:00

Time On Btm: 2010.10.09 @ 08:28:30

Time Off Btm: 2010.10.09 @ 12:27:30

TEST COMMENT: 30-INITIAL OPENING GOOD BLOW BOTTOM BUCKET IN 5 MINS
45-INITIAL SHUT IN FAIR BLOW BACK
60-FINAL OPENING GOOD BLOW BOTTOM BUCKET IN 3 MINS
90FINAL SHUT IN FAIR BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2271.44	118.16	Initial Hydro-static
2	67.43	118.77	Open To Flow (1)
32	124.18	118.39	Shut-In(1)
77	371.04	119.97	End Shut-In(1)
78	135.68	119.98	Open To Flow (2)
138	208.87	121.78	Shut-In(2)
237	372.56	123.88	End Shut-In(2)
239	2182.52	126.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1400.00	GAS IN PIPE 100%GAS	19.31
320.00	GASSY OIL 30%GAS70%OIL	4.68
60.00	MUD CUT OIL 20%MUD 80%OIL	0.88

Gas Rates

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



DRILL STEM TEST REPORT

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

Job Ticket: 1034

DST#: 6

ATTN: BOB PETERSON

Test Start: 2010.10.09 @ 06:00:00

GENERAL INFORMATION:

Formation: **JOHNSON**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:30:00

Time Test Ended: 15:42:00

Interval: 4532.00 ft (KB) To 4586.00 ft (KB) (TVD)

Total Depth: 4586.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 70 MRT SCOTT CIT

Reference Elevations: 2995.00 ft (KB)

2990.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6651 Outside

Press @ Run Depth: 374.62 psig @ 4583.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.10.09 End Date: 2010.10.09

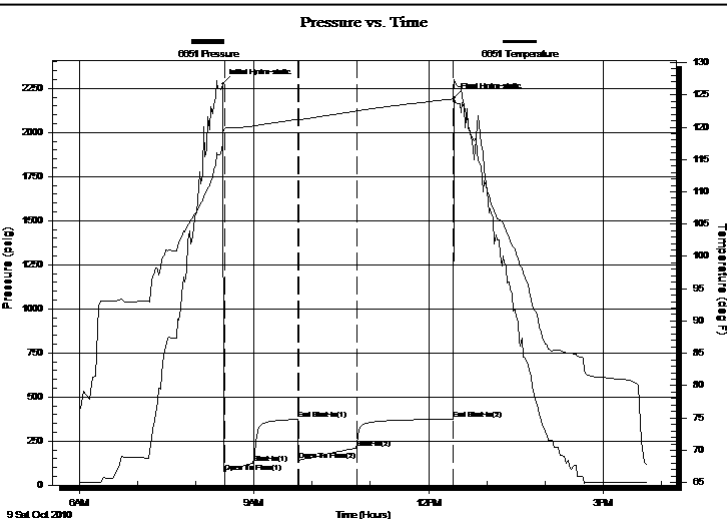
Last Calib.: 2010.10.09

Start Time: 06:00:00 End Time: 15:47:00

Time On Btm: 2010.10.09 @ 08:28:00

Time Off Btm: 2010.10.09 @ 12:26:30

TEST COMMENT: 30-INITIAL OPENING GOOD BLOW BOTTOM BUCKET IN 5 MINS
45-INITIAL SHUT IN FAIR BLOW BACK
60-FINAL OPENING GOOD BLOW BOTTOM BUCKET IN 3 MINS
90FINAL SHUT IN FAIR BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2275.94	119.17	Initial Hydro-static
2	74.00	119.79	Open To Flow (1)
32	126.02	120.17	Shut-In(1)
77	373.09	121.21	End Shut-In(1)
78	140.59	121.16	Open To Flow (2)
138	212.00	122.49	Shut-In(2)
237	374.62	124.36	End Shut-In(2)
239	2197.71	127.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1400.00	GAS IN PIPE 100%GAS	19.31
320.00	GASSY OIL 30%GAS70%OIL	4.68
60.00	MUD CUT OIL 20%MUD 80%OIL	0.88

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

GRAND MESA OPERATING COMPANY

G ANDERSEN 2-26

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

26-12S-32W LOGAN

Job Ticket: 1034

DST#: 6

ATTN: BOB PETERSON

Test Start: 2010.10.09 @ 06:00:00

Tool Information

Drill Pipe:	Length: 4390.00 ft	Diameter: 3.88 inches	Volume: 64.20 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:	20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 64.79 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	1.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	4532.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	54.00 ft				
Tool Length:	77.00 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			4514.00	
HYD S.I. Tool	5.00			4519.00	
jars	6.00			4525.00	
safty joint	2.00			4527.00	
TRAVEL COLER	2.00			4529.00	
Packer	3.00			4532.00	23.00 Bottom Of Top Packer
travel collar	2.00			4534.00	54.00 Tool Interval
Packer	3.00			4537.00	
change over sub	0.75			4537.75	
drill pipe	31.50			4569.25	
change over sub	0.75			4570.00	
Perforations	11.00			4581.00	
Recorder	1.00	6666	Inside	4582.00	
Recorder	1.00	6651	Outside	4583.00	
bull plug	3.00			4586.00	1000076.00 Bottom Packers & Anchor

Total Tool Length: 77.00



DRILL STEM TEST REPORT

FLUID SUMMARY

GRAND MESA OPERATING COMPANY
1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206
ATTN: BOB PETERSON

G ANDERSEN 2-26
26-12S-32W LOGAN
Job Ticket: 1034 **DST#: 6**
Test Start: 2010.10.09 @ 06:00:00

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: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.80 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2500.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1400.00	GAS IN PIPE 100%GAS	19.309
320.00	GASSY OIL 30%GAS70%OIL	4.680
60.00	MUD CUT OIL 20%MUD 80%OIL	0.877

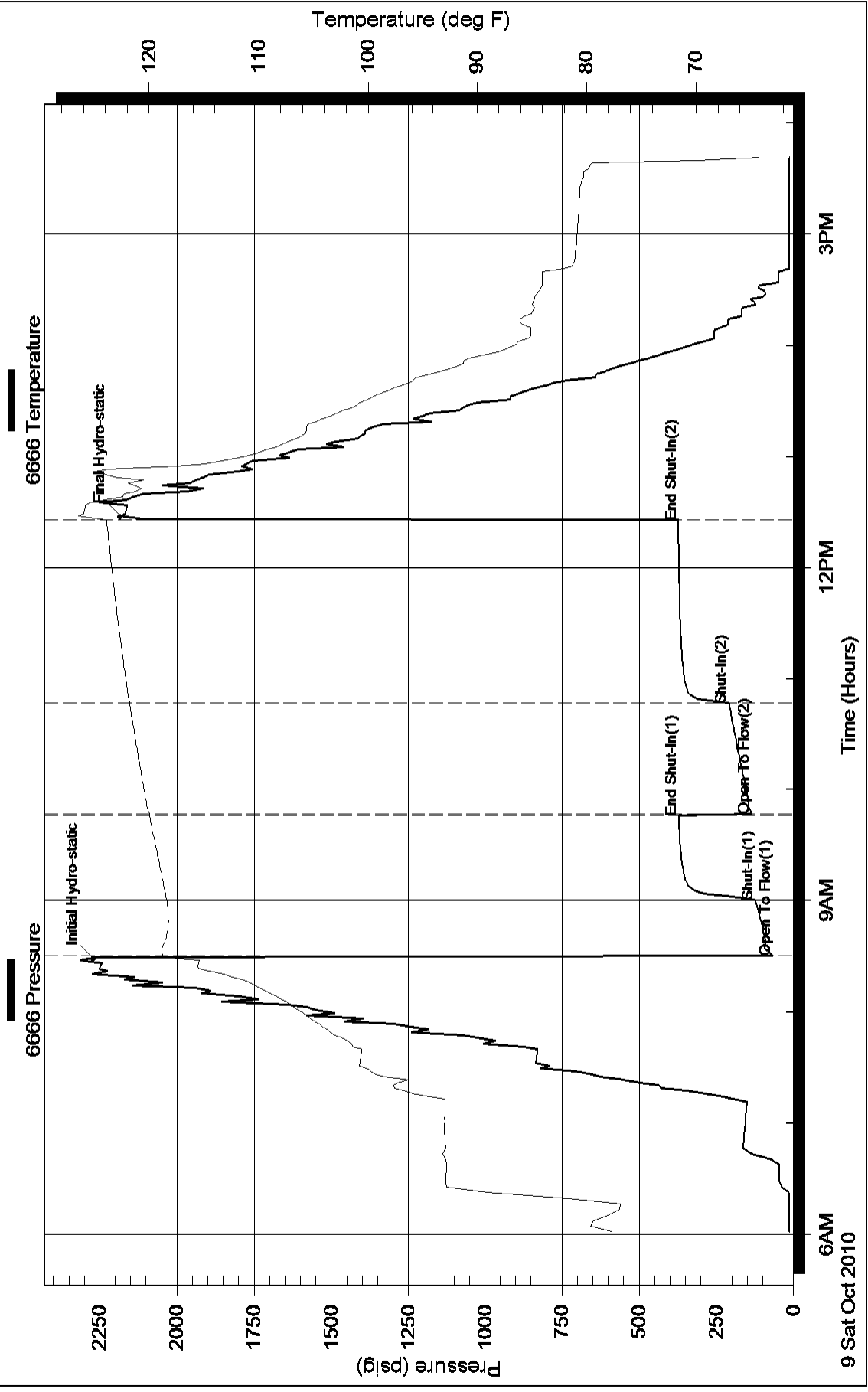
Total Length: 1780.00 ft Total Volume: 24.866 bbl

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

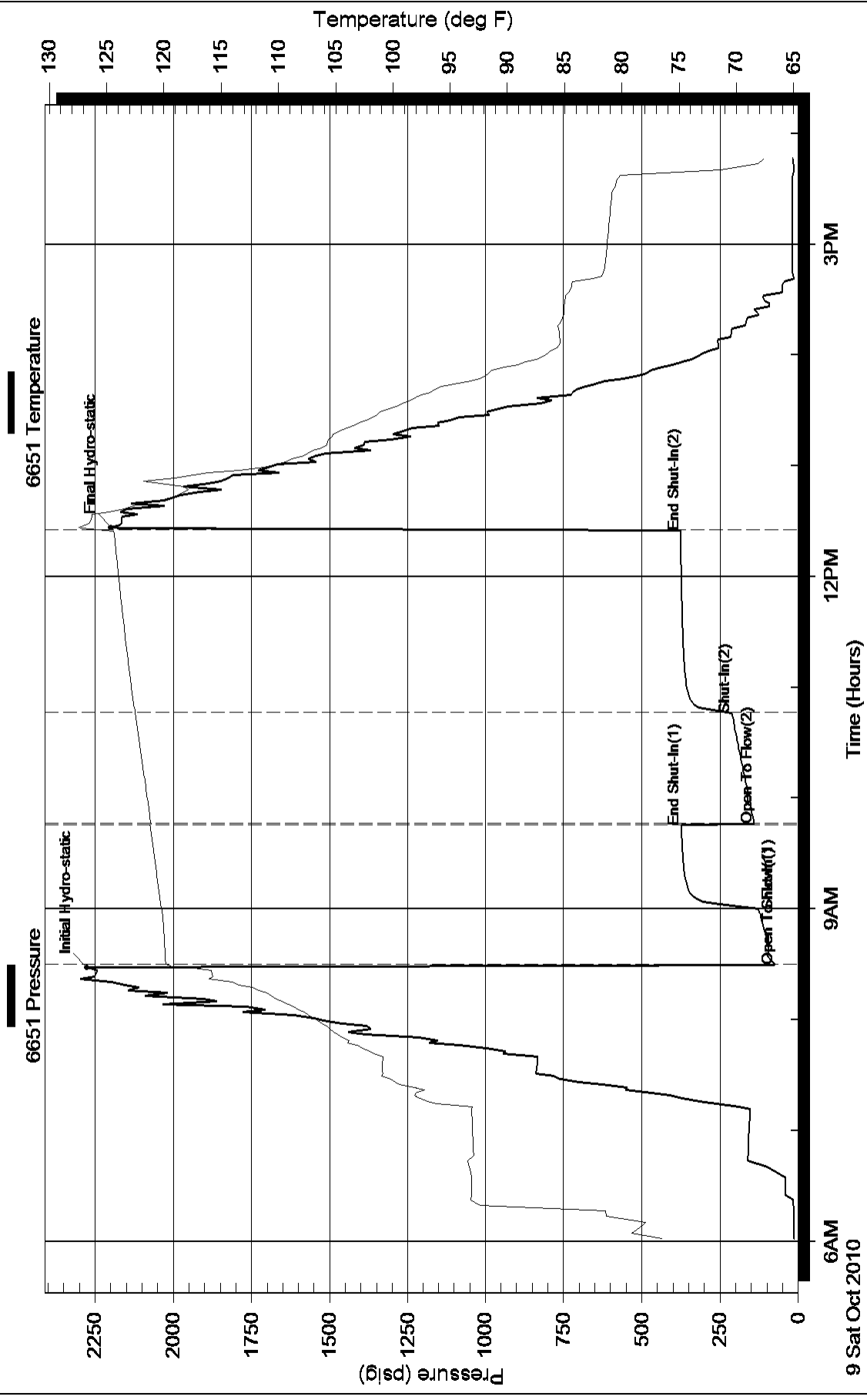
Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time



ALLIED CEMENTING CO., LLC. 035473

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665.

SERVICE POINT:

Oakley, Ky

DATE <i>9/30/10</i>	SEC. <i>26</i>	TWP. <i>10</i>	RANGE <i>32</i>	CALLED OUT	ON LOCATION	JOB START <i>6:00p</i>	JOB FINISH <i>6:30p</i>
LEASE <i>G Anderson</i>	WELL # <i>226</i>	LOCATION <i>Oakley 10 S 1/2 E Natblyon</i>			COUNTY	STATE <i>Ky</i>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *Mur Fin 24*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *220'*

CASING SIZE *8 5/8* DEPTH *220'*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15'*

PERFS.

DISPLACEMENT *13.0585 BBL H₂O*

OWNER *Same*

CEMENT AMOUNT ORDERED *165 SKs Com 3920c*

2009gal

COMMON	<i>165</i>	@ <i>15.45</i>	<i>2549.25</i>
POZMIX		@ <i>2.20</i>	
GEL	<i>3</i>	@ <i>50.00</i>	<i>62.40</i>
CHLORIDE	<i>6</i>	@	<i>349.20</i>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<i>174 SK</i>	@ <i>2.40</i>	<i>417.60</i>
MILEAGE	<i>104 SK/mt</i>	@ <i>minimum</i>	<i>312.00</i>
			TOTAL <i>3690.45</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Alan*

423-281 HELPER *Wayne*

BULK TRUCK

394 DRIVER *W.S.*

BULK TRUCK

DRIVER

REMARKS:

Run 3920 cc 20% gel, Displace Cement w/ 13.05 BBL H₂O

Cement did Circulate

Thank You Alan, Wayne, W.S.

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE *1018.00*

EXTRA FOOTAGE @

MILEAGE *11* @ *7.00* *77.00*

MANIFOLD @

TOTAL *1095.00*

CHARGE TO: *Grand Mesa Operating Inc*

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME *Anthony Martin*

SIGNATURE *Anthony Martin*

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

JOB LOG

SWIFT Services, Inc.

DATE 10-10-10 PAGE NO. 1

CUSTOMER Grand Mesa WELL NO. # 276 LEASE G-Anderson JOB TYPE 2-stage TICKET NO. 19180

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							on loc set up Trk RTD 4666' 4655' 5 1/2" x 15.5 # x 4666' x 10'
								Cent. 2, 4, 6, 8, 10, 12, 14, 16, 18, 50 Bask 2, 51 DU 51 @ 2529'
	1010							FE
	1215							Line
	1240	4.5	0			150		Start PreFlashes 500 gal Mud Flush 20 bbl KCL Flush
	1247	5.5	32/0			200		Start Cement 1755 sks EA-2
	1255		42					End Cement Wash P/L / Drop Plug
	1300	6.5	0			150		Start Displacement w/ 60 bbl Mud 51
	1310	5	60			150		
	1315		85			200		catch Cement
	1320		101			750 / 400		Land Plug Release Pressure / Float Held Drop Opening Plug Wash up Trk
	1335					1100		Open D.V. Circ 2 hrs
	1505	2.5	7/5					Plug RM & MH 30/15 SMD
	1515	4.5	0			100		Start RCL Flush
	1520	6	20/0			150		Start Cement 255 sks SMD
	1543		141					End Cement Drop Plug
	1545	5	0			100		Start Displacement
		5	31			250		Circ Cement
	160		60			450 / 1500		Land Plug Close D.V. Release Pressure Float Held
								circ 30 sks to pit

Alicia Parker
John A. Asher
Anthony March

Thank you
Nick, Doug, Shane, John

JOB LOG

SWIFT Services, Inc.

DATE 10-21-10 PAGE NO. 1

CUSTOMER Grand Mesa WELL NO.# 2-26 LEASE G. Anderson JOB TYPE Acidize Perfs TICKET NO. 19193

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1330							on loc set up tank 2 7/8" x 5 1/2" Perfs 4075 ' 4090'-94' Pkr to spot 4008' to treat 4075'
	1340	3	1					spot 1 bbl acid set pkr to treat
	1358	3.5	1					continue Acid
	1400	3.5	8					start flush
	1404		22					Shut down
	1405		25					Hole loaded
	1406	.5	25.25			200		Press to 200 PSI falling off
	1408	.5	25.5			300		increase press
	1410	.5	26			400		" "
	1412	.5	26.5			500		feeding
	1415	.5	28			300		Break back
	1422	.5	31.5			300		flushed
						200		151P
								Vacuum in 3min
								Thank you
								Nick & Josh F.