



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
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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: _____



1059804

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	Dale 2-34
Doc ID	1059804

Tops

Name	Top	Datum
Bs/Stone Corral	2531	+464
Heebner	3982	-987
Lansing	4028	-1033
Muncie Creek	4171	-1176
Stark	4256	-1261
Hushpuckney	4292	-1297
Marmaton	4356	-1361
Little Osage	4484	-1489
Morrow	4608	-1613
Mississippian	4647	-1652
LTD	4728	



DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Inc**

1700 N Waterfront Parkway
Building 600
Wichita, KS 67206+5514

ATTN: Steve Striebling

34/12S/32W/Gove

Dale 2-34

Start Date: 2011.06.28 @ 08:53:00

End Date: 2011.06.28 @ 14:46:30

Job Ticket #: 16592 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.06.30 @ 09:05:18



DRILL STEM TEST REPORT

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkway
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16592

DST#: 1

Test Start: 2011.06.28 @ 08:53:00

GENERAL INFORMATION:

Formation: **Lansing Zone D,E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:55:30
 Time Test Ended: 14:46:30
 Interval: **4096.00 ft (KB) To 4111.00 ft (KB) (TVD)**
 Total Depth: 4111.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3325 Scott City/72
 Reference Elevations: 2995.00 ft (KB)
 2990.00 ft (CF)
 KB to GR/CF: 5.00 ft

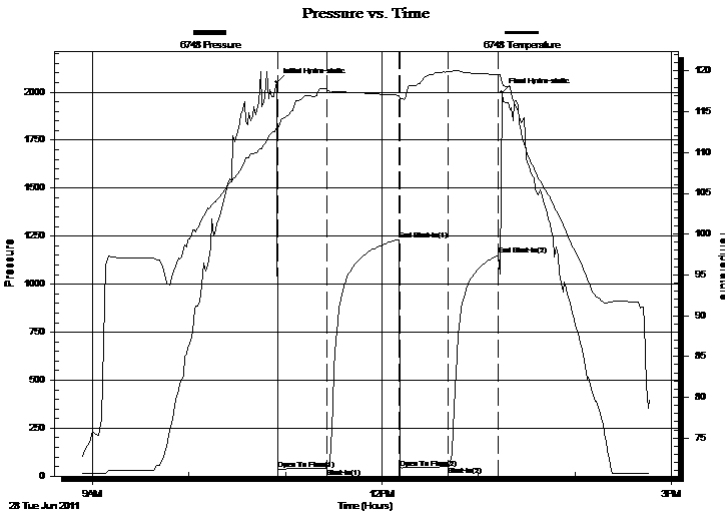
Serial #: 6748

Outside

Press @ Run Depth: 49.32 psig @ 4108.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2011.06.28 End Date: 2011.06.28 Last Calib.: 2011.06.28
 Start Time: 08:54:00 End Time: 14:46:30 Time On Btm: 2011.06.28 @ 10:54:30
 Time Off Btm: 2011.06.28 @ 13:14:30

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1/2 inch
 1ST Shut In 45 Minutes/No Blow Back
 2ND Open 30 Minutes/No Blow
 2ND Shut In 30 Minutes/No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2051.33	113.09	Initial Hydro-static
1	37.04	112.90	Open To Flow (1)
32	41.67	117.63	Shut-In(1)
76	1231.79	117.02	End Shut-In(1)
77	43.44	116.63	Open To Flow (2)
107	49.32	119.89	Shut-In(2)
138	1150.75	119.58	End Shut-In(2)
140	1999.21	118.59	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
5.00	Oil cut Mud 5% Oil 95% Mud	0.02

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



DRILL STEM TEST REPORT

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkway
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16592

DST#: 1

Test Start: 2011.06.28 @ 08:53:00

GENERAL INFORMATION:

Formation: **Lansing Zone D,E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:55:30
 Time Test Ended: 14:46:30
 Interval: **4096.00 ft (KB) To 4111.00 ft (KB) (TVD)**
 Total Depth: 4111.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3325 Scott City/72
 Reference Elevations: 2995.00 ft (KB)
 2990.00 ft (CF)
 KB to GR/CF: 5.00 ft

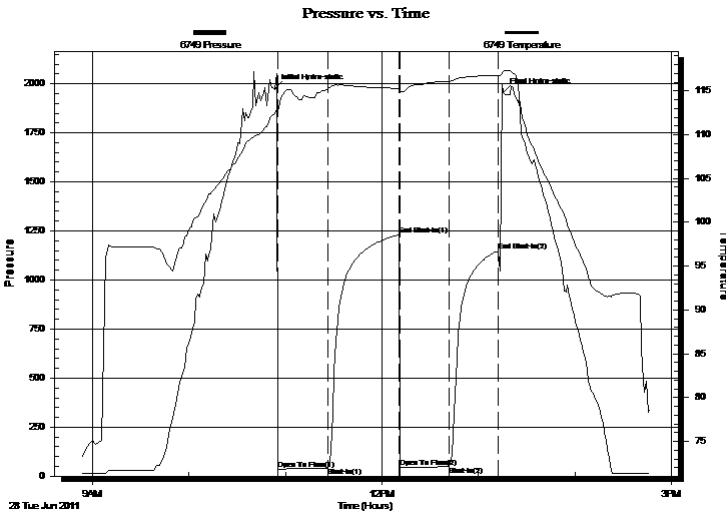
Serial #: 6749

Inside

Press @ Run Depth: 1148.57 psig @ 4107.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2011.06.28 End Date: 2011.06.28 Last Calib.: 2011.06.28
 Start Time: 08:54:00 End Time: 14:47:00 Time On Btm: 2011.06.28 @ 10:53:30
 Time Off Btm: 2011.06.28 @ 13:15:30

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1/2 inch
 1ST Shut In 45 Minutes/No Blow Back
 2ND Open 30 Minutes/No Blow
 2ND Shut In 30 Minutes/No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1973.03	112.40	Initial Hydro-static
2	36.30	112.64	Open To Flow (1)
33	45.46	115.25	Shut-In(1)
77	1231.19	115.30	End Shut-In(1)
78	43.00	114.91	Open To Flow (2)
108	48.13	116.09	Shut-In(2)
139	1148.57	116.79	End Shut-In(2)
142	1955.21	117.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil cut Mud 5% Oil 95% Mud	0.02

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkway ay
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16592

DST#: 1

Test Start: 2011.06.28 @ 08:53:00

Tool Information

Drill Pipe:	Length: 3963.00 ft	Diameter: 3.88 inches	Volume: 57.96 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: 64000.00 lb
			<u>Total Volume: 58.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4096.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	44.00 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			4072.00	
Hydraulic tool	5.00			4077.00	
Change over sub	1.00			4078.00	
Jars	6.00			4084.00	
Safety Joint	2.00			4086.00	
Packer	5.00			4091.00	29.00 Bottom Of Top Packer
Packer	5.00			4096.00	
Anchor	10.00			4106.00	
Recorder	1.00	6749	Inside	4107.00	
Recorder	1.00	6748	Outside	4108.00	
Bullnose	3.00			4111.00	15.00 Bottom Packers & Anchor

Total Tool Length: 44.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkway
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16592

DST#: 1

Test Start: 2011.06.28 @ 08:53:00

Mud and Cushion Information

Mud Type: Gel Chem
 Mud Weight: 9.00 lb/gal
 Viscosity: 55.00 sec/qt
 Water Loss: 8.78 in³
 Resistivity: ohm.m
 Salinity: 2000.00 ppm
 Filter Cake: 1.00 inches

Cushion Type:
 Cushion Length: ft
 Cushion Volume: bbl
 Gas Cushion Type:
 Gas Cushion Pressure: psig

Oil API: deg API
 Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Oil cut Mud 5% Oil 95% Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

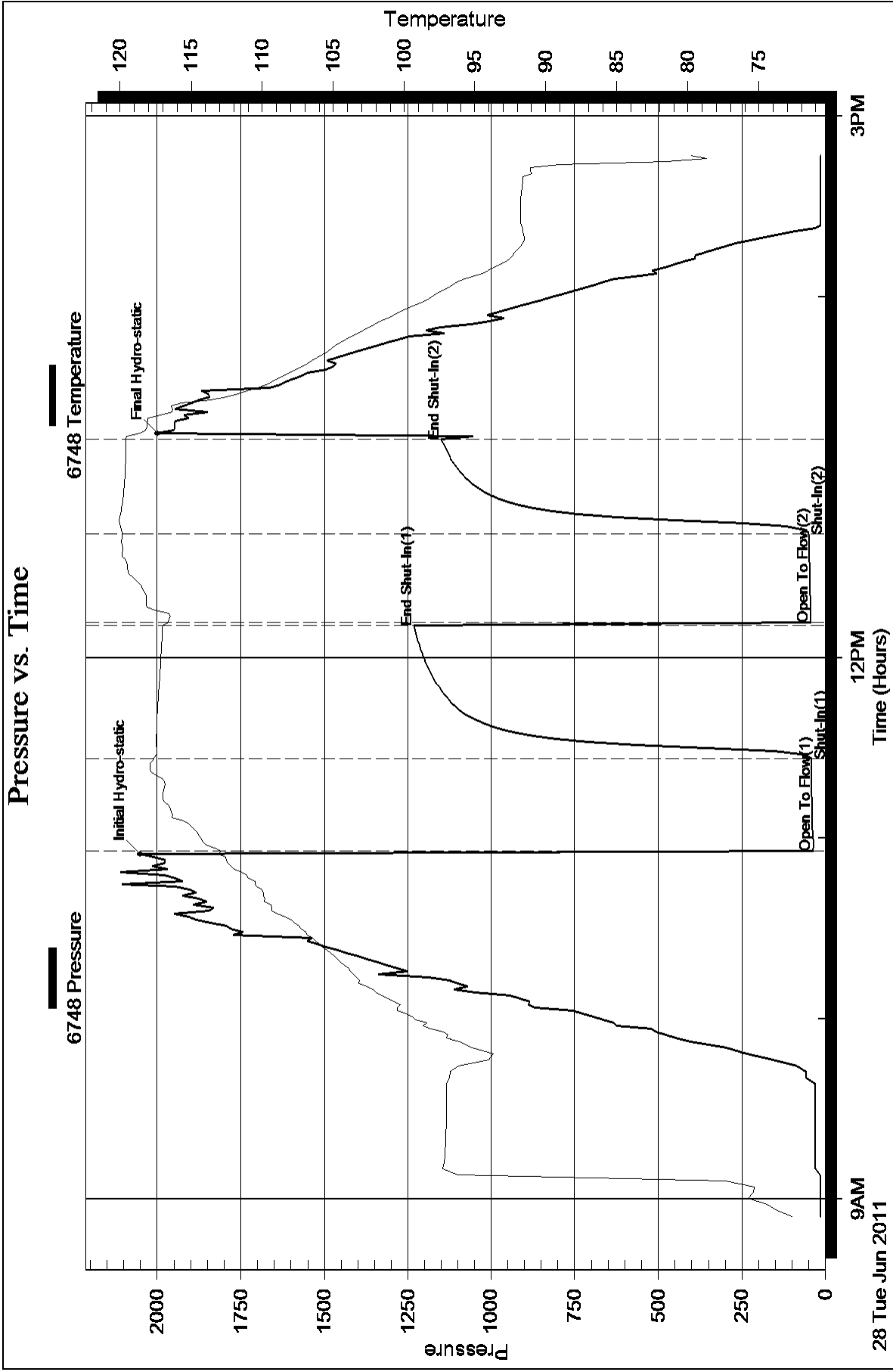
Num Gas Bombs: 0

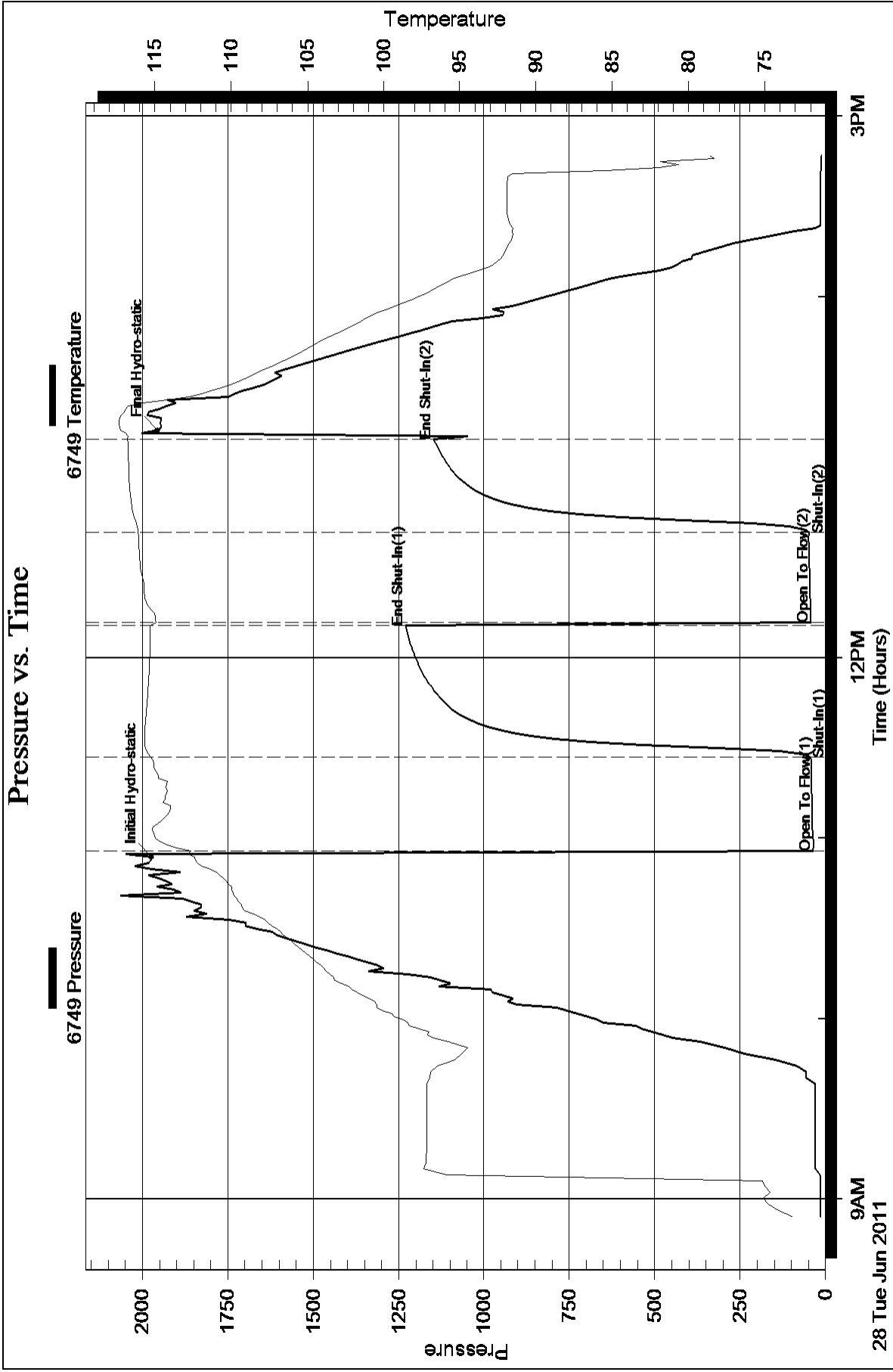
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Inc**

1700 N Waterfront Parkway
Building 600
Wichita, KS 67206+5514

ATTN: Steve Striebling

34/12S/32W/Gove

Dale 2-34

Start Date: 2011.06.29 @ 14:20:00

End Date: 2011.06.30 @ 00:06:00

Job Ticket #: 16593 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.06.30 @ 09:26:01



DRILL STEM TEST REPORT

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkw ay
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16593

DST#: 2

Test Start: 2011.06.29 @ 14:20:00

GENERAL INFORMATION:

Formation: **Lansing Zones H,I,J,**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:50:00

Time Test Ended: 00:06:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Scott City/72

Interval: 4165.00 ft (KB) To 4292.00 ft (KB) (TVD)

Reference Elevations: 2995.00 ft (KB)

Total Depth: 4292.00 ft (KB) (TVD)

2990.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6748 Outside

Press @ RunDepth: 126.43 psig @ 4289.10 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.06.29

End Date: 2011.06.30

Last Calib.: 2011.06.29

Start Time: 14:21:00

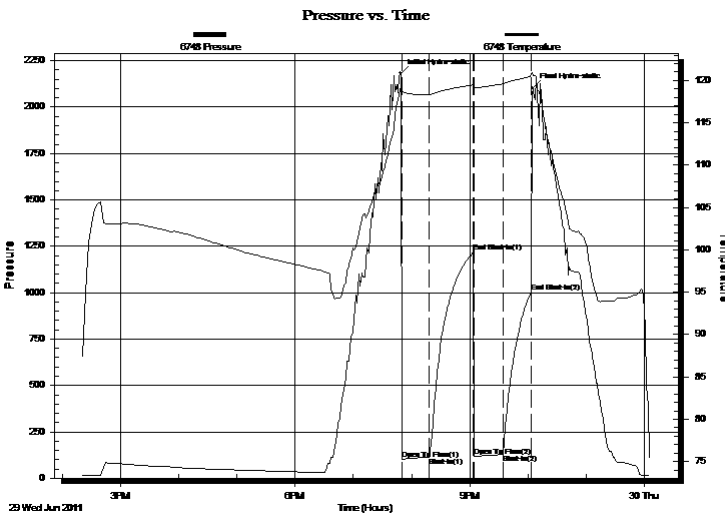
End Time: 00:06:00

Time On Btm: 2011.06.29 @ 19:49:00

Time Off Btm: 2011.06.29 @ 22:05:00

TEST COMMENT: 1ST Open 30 Minutes/Weak blow/Blow built to 3/4 inch
 1ST Shut In 45 Minutes/No blow back
 2ND Open 30 Minutes/Very weak surface blow/Blow did not build
 2ND Shut In 30 Minutes/No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2182.89	119.25	Initial Hydro-static
1	100.08	118.67	Open To Flow (1)
30	114.49	118.33	Shut-In(1)
76	1217.10	119.50	End Shut-In(1)
76	118.00	119.20	Open To Flow (2)
105	126.43	119.59	Shut-In(2)
134	1001.11	120.44	End Shut-In(2)
136	2104.26	120.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud 100%	0.30

Gas Rates

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



DRILL STEM TEST REPORT

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkway
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16593

DST#: 2

Test Start: 2011.06.29 @ 14:20:00

GENERAL INFORMATION:

Formation: **Lansing Zones H,I,J,**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:50:00

Time Test Ended: 00:06:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Scott City/72

Interval: 4165.00 ft (KB) To 4292.00 ft (KB) (TVD)

Reference Elevations: 2995.00 ft (KB)

Total Depth: 4292.00 ft (KB) (TVD)

2990.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6749 Inside

Press @ RunDepth: 1004.51 psig @ 4288.10 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.06.29

End Date: 2011.06.30

Last Calib.: 2011.06.29

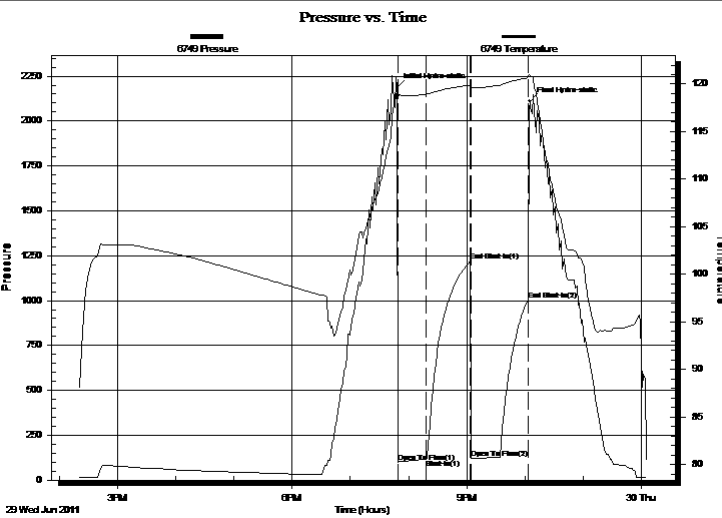
Start Time: 14:21:00

End Time: 00:06:30

Time On Btm: 2011.06.29 @ 19:48:30

Time Off Btm: 2011.06.29 @ 22:05:00

TEST COMMENT: 1ST Open 30 Minutes/Weak blow/Blow built to 3/4 inch
 1ST Shut In 45 Minutes/No blow back
 2ND Open 30 Minutes/Very weak surface blow/Blow did not build
 2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.68	119.33	Initial Hydro-static
1	99.08	118.48	Open To Flow (1)
30	115.33	118.90	Shut-In(1)
76	1219.17	119.92	End Shut-In(1)
77	118.98	119.62	Open To Flow (2)
135	1004.51	120.66	End Shut-In(2)
137	2110.66	120.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud 100%	0.30

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkway
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16593

DST#: 2

Test Start: 2011.06.29 @ 14:20:00

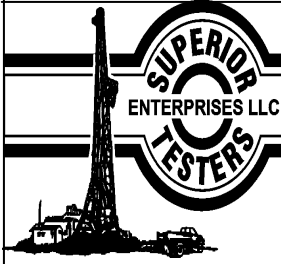
Tool Information

Drill Pipe:	Length: 4024.00 ft	Diameter: 3.88 inches	Volume: 58.85 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: 64000.00 lb
			<u>Total Volume: 59.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.75 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4165.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	127.10 ft			
Tool Length:	155.85 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			4141.25	
Hydraulic tool	5.00			4146.25	
Change over sub	0.75			4147.00	
Jars	6.00			4153.00	
Safety Joint	2.00			4155.00	
Packer	5.00			4160.00	28.75 Bottom Of Top Packer
Packer	5.00			4165.00	
Anchor	5.00			4170.00	
change over sub	0.75			4170.75	
drill pipe	93.60			4264.35	
change over sub	0.75			4265.10	
anchor	22.00			4287.10	
Recorder	1.00	6749	Inside	4288.10	
Recorder	1.00	6748	Outside	4289.10	
bull plug	3.00			4292.10	127.10 Bottom Packers & Anchor

Total Tool Length: 155.85



DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkway
Building 600
Wichita, KS 67206+5514
ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16593

DST#: 2

Test Start: 2011.06.29 @ 14:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 66.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Mud 100%	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

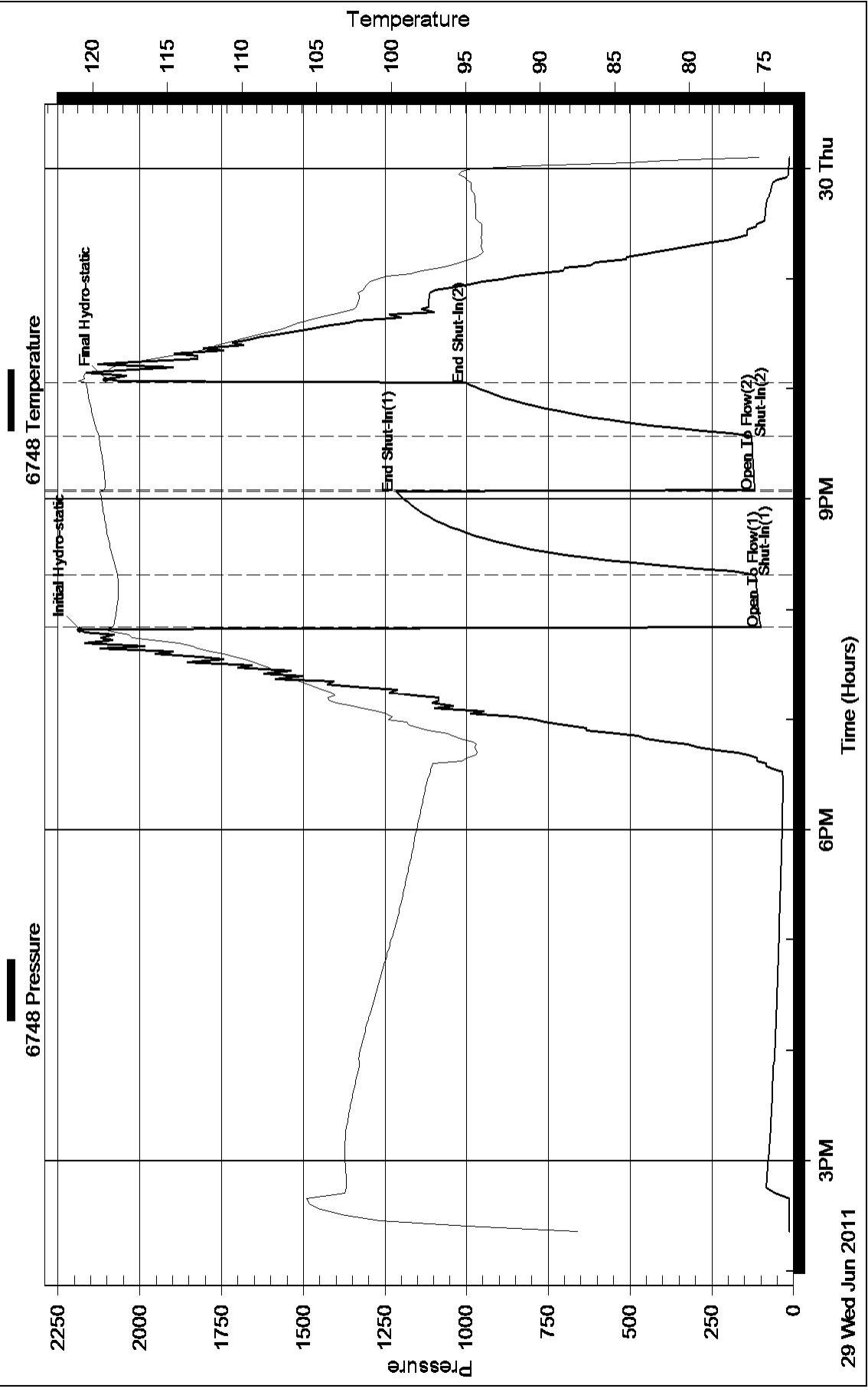
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

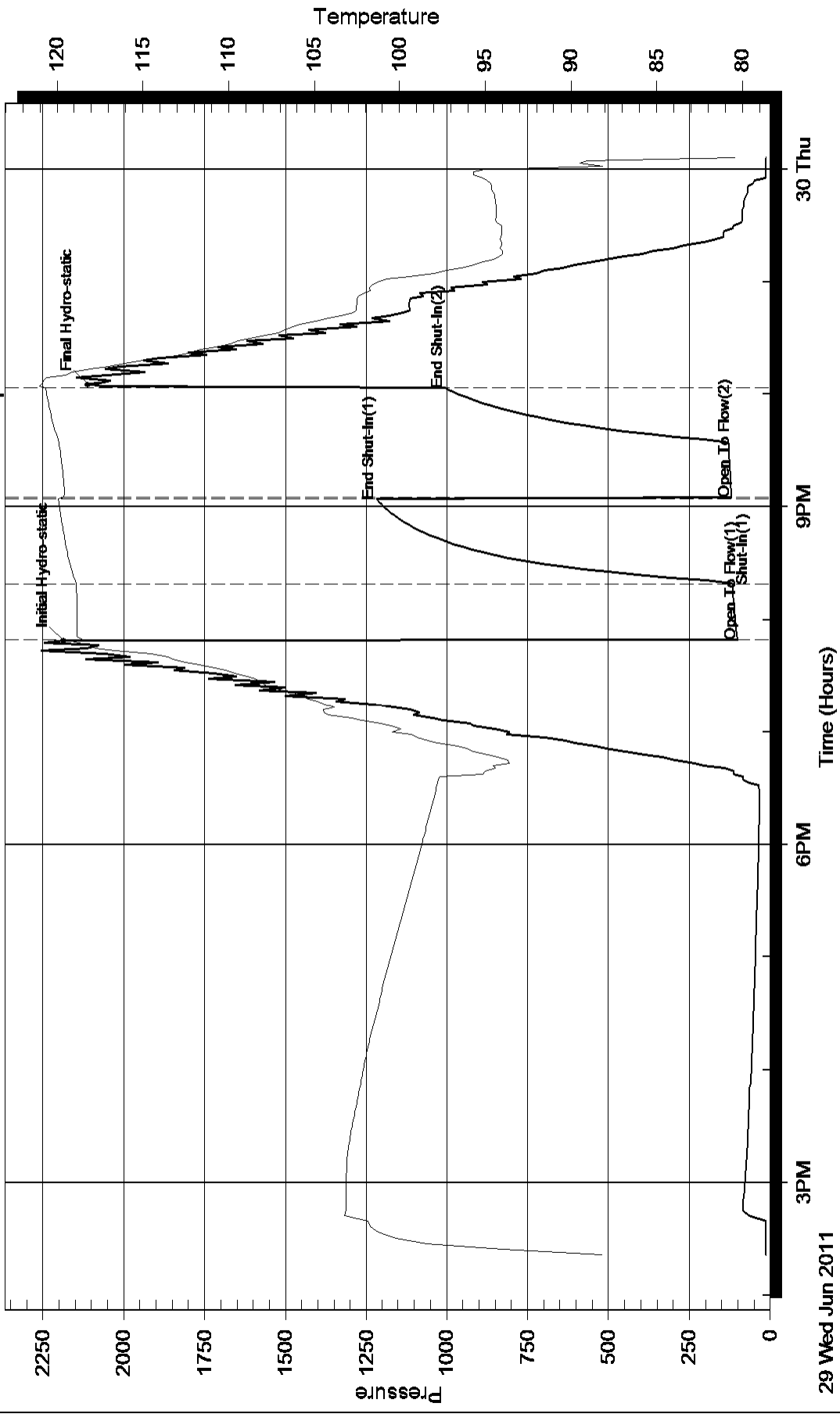
Pressure vs. Time



Pressure vs. Time

6749 Pressure

6749 Temperature





DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Inc**

1700 N Waterfront Parkway
Building 600
Wichita, KS 67206+5514

ATTN: Steve Striebling

34/12S/32W/Gove

Dale 2-34

Start Date: 2011.07.01 @ 08:52:00

End Date: 2011.07.01 @ 15:20:30

Job Ticket #: 16594 DST #: 3

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.07.01 @ 13:21:14



DRILL STEM TEST REPORT

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkwy
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16594

DST#: 3

Test Start: 2011.07.01 @ 08:52:00

GENERAL INFORMATION:

Formation: **Upper Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:50:30

Time Test Ended: 15:20:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Scott City/72

Interval: 4537.00 ft (KB) To 4595.00 ft (KB) (TVD)

Reference Elevations: 2995.00 ft (KB)

Total Depth: 4595.00 ft (KB) (TVD)

2990.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6749 Inside

Press @ Run Depth: 65.40 psig @ 4590.80 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.07.01 End Date: 2011.07.01

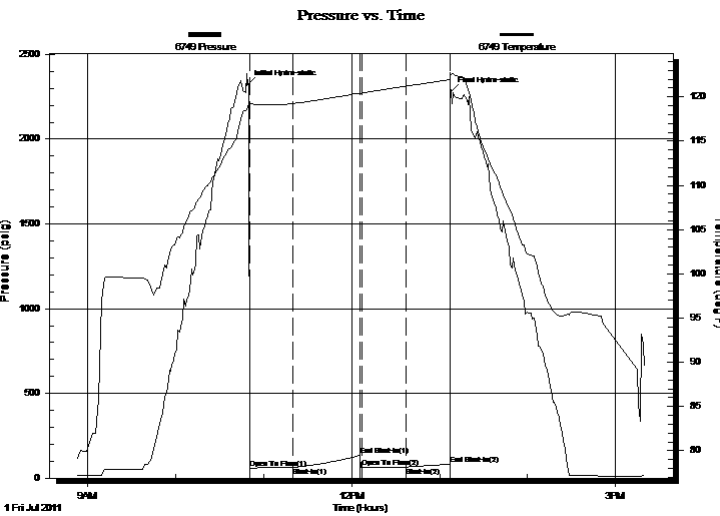
Last Calib.: 2011.07.01

Start Time: 08:52:00 End Time: 15:20:30

Time On Btm: 2011.07.01 @ 10:49:00

Time Off Btm: 2011.07.01 @ 13:08:00

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1/4 inch
 1ST Shut In 45 Minutes/No blow back
 2ND Open 30 Minutes/No blow
 2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2320.05	118.81	Initial Hydro-static
2	60.10	119.23	Open To Flow (1)
31	63.22	119.25	Shut-In(1)
77	134.46	120.43	End Shut-In(1)
78	64.70	120.45	Open To Flow (2)
108	65.40	121.22	Shut-In(2)
138	82.02	121.95	End Shut-In(2)
139	2282.42	122.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil cut Mud 10% oil 90% mud	0.02

Gas Rates

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



DRILL STEM TEST REPORT

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkwy ay
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16594

DST#: 3

Test Start: 2011.07.01 @ 08:52:00

GENERAL INFORMATION:

Formation: **Upper Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:50:30

Time Test Ended: 15:20:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Scott City/72

Interval: **4537.00 ft (KB) To 4595.00 ft (KB) (TVD)**

Reference Elevations: 2995.00 ft (KB)

Total Depth: 4595.00 ft (KB) (TVD)

2990.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: **6748** Outside

Press @ RunDepth: 83.33 psig @ 4591.80 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.07.01 End Date: 2011.07.01

Last Calib.: 2011.07.01

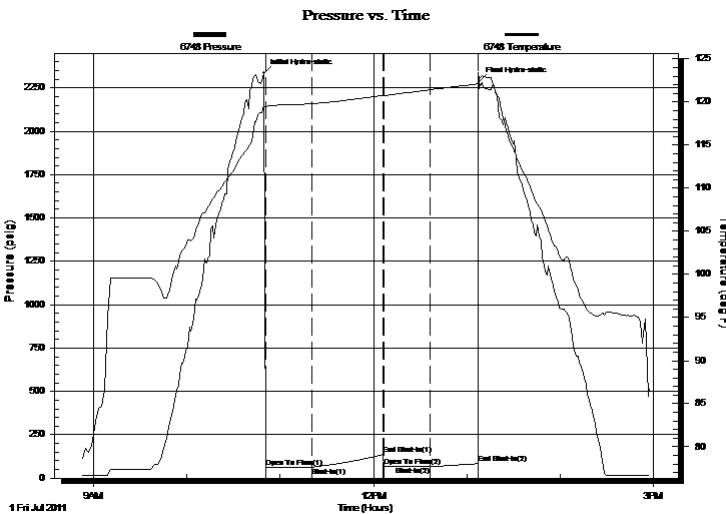
Start Time: 08:52:00 End Time: 14:57:30

Time On Btm: 2011.07.01 @ 10:49:30

Time Off Btm: 2011.07.01 @ 13:08:00

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1/4 inch
 1ST Shut In 45 Minutes/No blow back
 2ND Open 30 Minutes/No blow
 2ND Shut In 30 Minutes/No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2334.53	119.54	Initial Hydro-static
1	60.49	119.40	Open To Flow (1)
31	63.37	119.79	Shut-In(1)
77	136.50	120.75	End Shut-In(1)
77	65.59	120.73	Open To Flow (2)
107	65.88	121.40	Shut-In(2)
138	83.33	122.10	End Shut-In(2)
139	2287.54	122.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil cut Mud 10% oil 90% mud	0.02

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkway
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16594

DST#: 3

Test Start: 2011.07.01 @ 08:52:00

Tool Information

Drill Pipe:	Length: 4399.00 ft	Diameter: 3.88 inches	Volume: 64.33 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:	84000.00 lb
			<u>Total Volume: 64.92 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.75 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4537.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	57.80 ft				
Tool Length:	86.55 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			4513.25	
Hydraulic tool	5.00			4518.25	
Change over sub	0.75			4519.00	
Jars	6.00			4525.00	
Safety Joint	2.00			4527.00	
Packer	5.00			4532.00	28.75 Bottom Of Top Packer
Packer	5.00			4537.00	
Anchor	5.00			4542.00	
change over sub	0.75			4542.75	
drill pipe	31.30			4574.05	
change over sub	0.75			4574.80	
anchor	15.00			4589.80	
Recorder	1.00	6749	Inside	4590.80	
Recorder	1.00	6748	Outside	4591.80	
bull plug	3.00			4594.80	57.80 Bottom Packers & Anchor

Total Tool Length: 86.55



DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Inc

Dale 2-34

1700 N Waterfront Parkway
 Building 600
 Wichita, KS 67206+5514
 ATTN: Steve Striebling

34/12S/32W/Gove

Job Ticket: 16594

DST#: 3

Test Start: 2011.07.01 @ 08:52:00

Mud and Cushion Information

Mud Type: Gel Chem
 Mud Weight: 9.00 lb/gal
 Viscosity: 69.00 sec/qt
 Water Loss: 8.00 in³
 Resistivity: ohm.m
 Salinity: 2400.00 ppm
 Filter Cake: 1.00 inches

Cushion Type:
 Cushion Length: ft
 Cushion Volume: bbl
 Gas Cushion Type:
 Gas Cushion Pressure: psig

Oil API: deg API
 Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Oil cut Mud 10% oil 90% mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

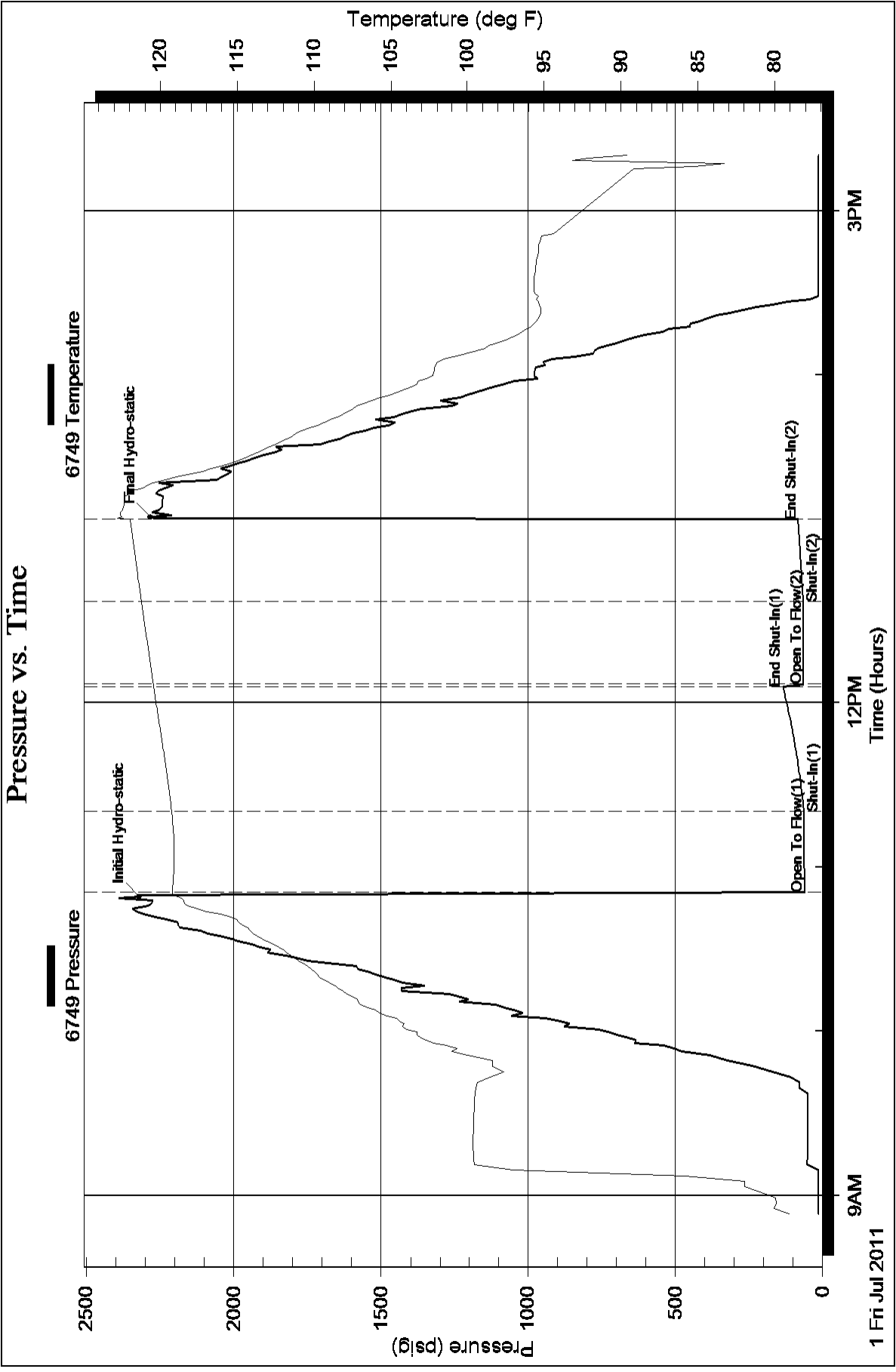
Serial #:

Laboratory Name:

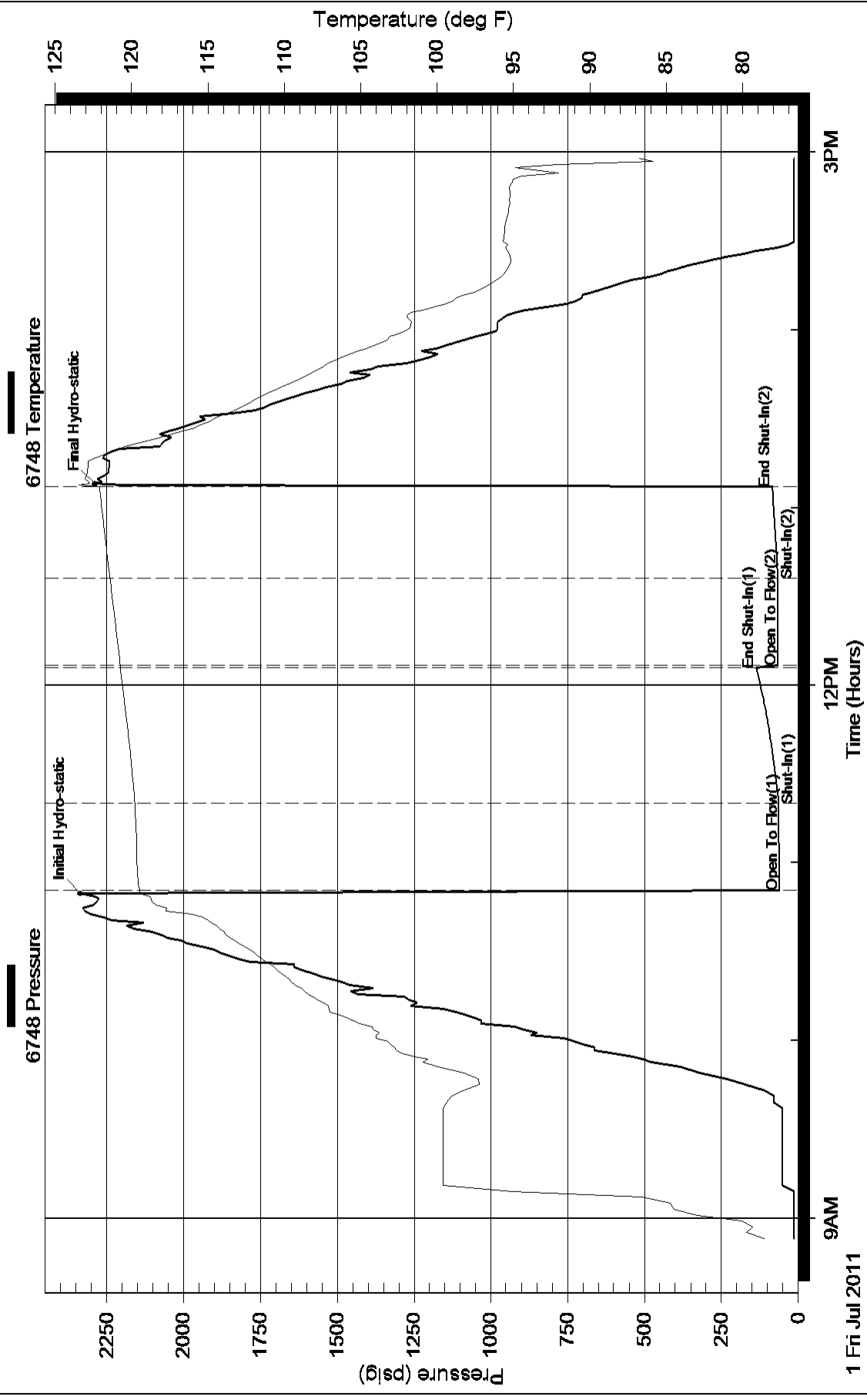
Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time



GRAND MESA

OPERATING COMPANY

(316) 265-3000
FAX: (316) 265-3455

1700 N. WATERFRONT PARKWAY
BLDG. 600
WICHITA, KANSAS 67208-5514

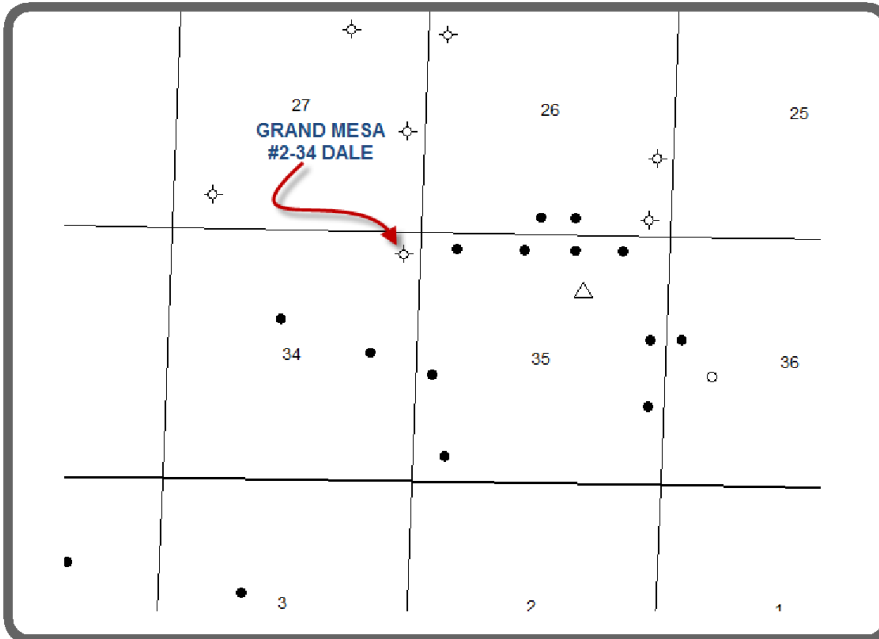
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Dale #2-34
Location: 478' FNL, 357' FEL, 34-12s-32w, Logan County, Kansas
License Number: API: 15-109-21012 Region: Logan County
Spud Date: 06/24/2011 Drilling Completed: 07/02/2011
Surface Coordinates: Lat: 38.9734112
Long: -100.851968
Bottom Hole Coordinates: Vertical hole
Ground Elevation (ft): 2990' K.B. Elevation (ft): 2995'
Logged Interval (ft): 3800' To: RTD Total Depth (ft): 4730'
Formation: Mississippian at RTD
Type of Drilling Fluid: Chemical

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

GEOLOGIST

Name: Robert "Bob" Schrieber and Kent R. Matson
Company: Independent
Address: B. Schrieber
Beaver, KS



COMMENTS

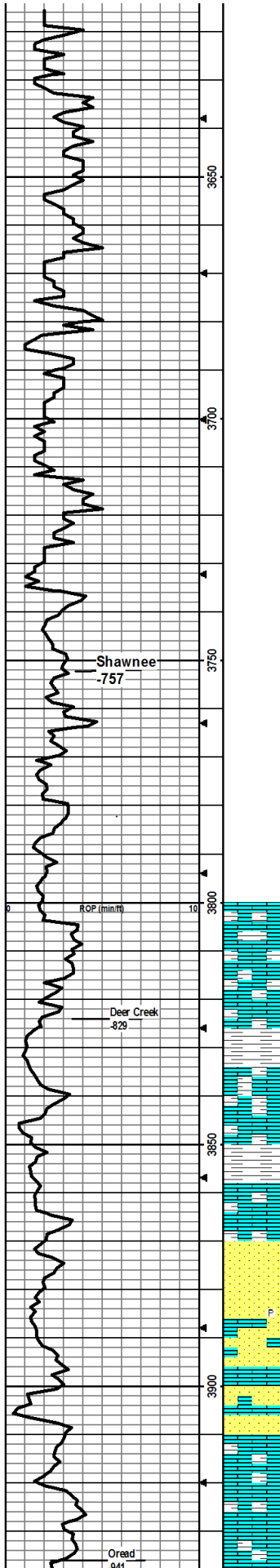
Contractor: Murfin Drilling Company Rig #24
Pusher: Tony Martin
Surface Casing: 8 5/8" set at 222' w/165sx
Production Casing: Not set.
Mud by: MudCo
DST's by: Superior Testing
Logs by: Weatherford (DIL, CN-CD, ML)
RTD=4730'
LTD=4728'

FORMATION TOPS

FORMATION	SAMPLE TOPS		LOG TOPS	
	Depth	Datum	Depth	Datum
Stone Corral	2507'	+488	2508'	+489
B/Stone Corral	2531'	+464	2531'	+464

Heebner Shale	3984'	-989	3984'	-989
Lansing	4028'	-1033	4028'	-1033
Muncie Creek Shale	4172'	-1177	4171'	-1176
Stark Shale	4257'	-1262	4256'	-1261
Hushpuckney Shale	4292'	-1297	4292'	-1297
Marmaton	4355'	-1360	4356'	-1360
Upper Fort Scott	4464'	-1469	4463'	-1468
Little Osage Shale	4486'	-1491	4484'	-1489
Excello Shale	4514'	-1519	4509'	-1514
Johnson Zone	4587'	-1592	4584'	-1589
Morrow	4611'	-1616	4612'	-1617
Mississippian	4649'	-1654	4647'	-1652
RTD	4730'	-1735		
LTD			4728'	-1733





ROP Data begins @ 3616'

Mudco Check @ 3656'
 06/27/13 3:00am
 wt vis pH chl
 8.7 54 10.5 1800
 F# LCM
 7.6 2

Samples start at 3800'

LS-buff to lt brn, hrd w/sft chalky pcs, some med gry SH, xtl w/foss-brac crin & ool, slit xtl and pinpt por, no odr, no flor, ns.

Cutting samples start at 3800'

LS-white to lt brn w/some dk gry streaks, hrd w/less soft chalky pcs, some med gry and grn SH, xtl, w/foss-brac crin, no vis por, no odr, no flor, ns.

LS-white to buff, hard, min soft chalky pcs, some med to dk gry SH, xtl, foss frag, no vis por, no odr, no flor, ns.

LS-buff to lt brn w/some gry, hard, m in soft chalky pcs, some med to dk gray SH w/pyrite, xtl, some sdy pcs, min foss frags, slit xtl por, no odr, no flor, ns.

LS-buff w/m in lt brn, hard w/increase in soft white chalky pcs, m in med-gry SH, xtls, foss-crin and frags, some xtl por, no odr, no flor, ns.

LS-buff to lt brn, hard w/some soft white chalky pcs, m in med-dk gry SH, xtls, foss-crin and frags, some xtl to vug por, no odr, no flor, ns.

LS-buff to lt brn, hard w/min soft white chalky pcs, m in med-dk gry SH, some ss pcs v-f grn sr-r, some brac foss, some frac and pinpt and xtl vug por, no odr, no flor, ns.

LS-buff to lt brn, hard, increase in soft white chalky pcs, m in med-dk gry SH, xtls, foss-brac ool and frags, some xtl and pinpt por, no odr, no flor, ns.

SS-gry, v-f grn, sa-rnd, some LS pcs buff to lt brn hard, m in soft white chalky pcs, med-dk gry and blk SH w/pyrite, frac and intergranular por, no odr, no flor, ns.

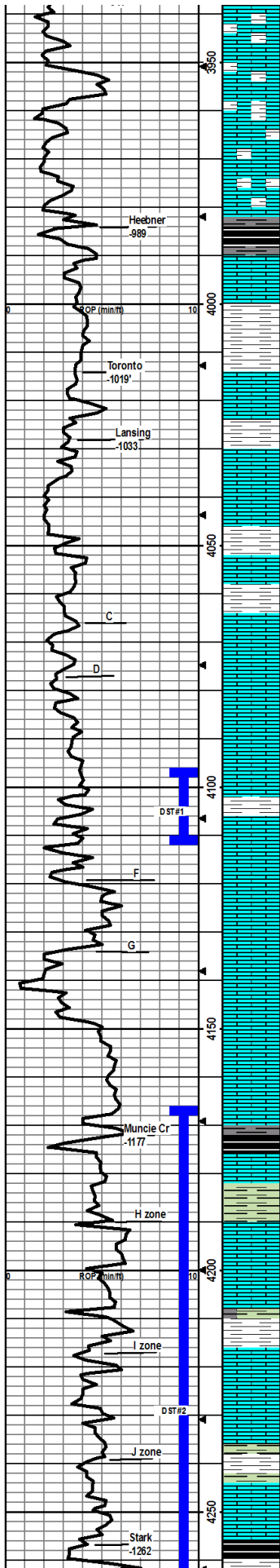
Same as above.

SS-buff to brn and gry, v-f grn, sa-r, some LS pcs buff to lt brn hard, med-dk gry and blk, frac and intergranular por, no odr, no flor, ns.

LS-buff and gry, hard w/some white chalky pcs, med gry SH, xtl, fbs frags, some v-f w/some med grn SS, no vis por in LS, no odr, no flor, ns.

LS-buff and gry, hard w/some white chalky pcs, min white chalky pcs, med-dk gry SH, xtl, foss frags and brack, some buff SS v-f grn sa-r, no vis por in LS, no odr, slit flor, ns.

LS-buff w/some lt brn, min med-dk gry SH, xtl, foss-crin fuss ool and frags, some frac interxtl and pinpt por, no odr, no flor, ns.



LS-buff, xtl, hard w/m in white chalky pcs, lt-med gry and green SH, min interxtl por, no odr, no flor, ns.

LS-buff, xtl, hard w/m in white chalky pcs, min lt-med gry and green SH, interxtl por, no odr, no flor, ns.

Sh-blk, sli ind, sli-mod fiss, carb

LS-lt br, hd, microxln, sli frct tr sli foss, NS

Sh-gy, mod ind, sly ip, grd to sli arg slt-vfn grn ss, mod ind, NS

LS-orm-off wh-tr tn, hd-md hd,-tr sfr, vfn-fn ip xln, sli foss ip, tr sli frct, fw pcs sli/chrty, tr gs bbl, NS w/LS-off wh sfr, vchiky NS

SH-gy-tnt dkr gr, mod ind, sli blkly

LS-orm-sli off wh, md hd-hd, vfn xln, sli secxn, grd off wh, sfr, mod chiky, NS

LS-orm-lt br, md hd-hd, fn-vfn xln, tr secxn, ool ip, sli foss, tr pr intrprtd por, prt grd sli chiky NS

SH-dk gy-gy-tr blk, mod ind, sli blkly

LS-lt br, hd-md hd ip, microxln, mod foss ip, grd off wh, sfr sli-mod chiky nos foss NS

SH-gy-gr, mod ind, sli wxy

LS-orm-off wh ip, hd-sfr ip, vfn xln, tr secxn, sli foss, sli chiky ip, NS

LS-lt br, hd, xfn xln, mod foss ip, ool ip, grd arm sfr, sli chiky ip, mod fn ool, grny, fw pcs pr intrprtd-vug por NS

LS-orm, md hd-hd, vfn-fn xln, sli chiky ip, sli foss, sme fn-md secxn, NS

LS-orm-md hd-hd ip-tr sfr, vfn xln, sli spry ip, foss ip, sli frct, tr secxn, tr-sme pr-fr vug-sli fossct por, tr spply flo, tr sat, sli-fr odr, sso md-dk br o, ss sli ddo dk br o

LS-orm-tnt br-tr off wh, md hd-hd ip, tr sfr, tr sec xln, sli ool, sli foss, fw pcs sli dol, fw pcs fr vug-fossct sli brw & tr-sme pr oocst por, sme rmbw top cup, fr sli gd odr, fw pcs wkr flo, sli-fr sfo, md dkr br oil, fw pcs sli dd-res o

LS-vlt br-orm ip, hd-tr sfr, vfn-fn ip xln, tr frct tr foss, secxn ip, sli chiky ip, NS

LS-orm-lt br, md hd-hd-tr sfr, vfn-fn ip xln, grd sli ip-chrty ip, sli wthrd, sli foss, tr ool, tr-sme pr vug-oocst por NS

LS-orm-off wh, md hd-hd ip, fn xln, sli sec xln, sli ool ip, tr foss, sli rgh, grd mod chiky ip, sfr NS

SH-ltr gy-gy, mod ind, w/ sme dk gy-blk sli-mod ind, sli fiss ip, sli carb ip

SH-blk, sli ind, sli-mod fiss, carb ip

LS-br-lt br, hd dns-tr md hd, microxln-vfn xln, foss ip, tr sli frct, NS

SH-gy-tnt gr, mod ind, blkly

LS-orm-tnt br ip, hd, vfn xln, foss ip, tr imbd pyr, NS

LS-orm, hd, vfn xln, foss ip, grd to off wh, sfr, fn xln, chiky ls, NS

Sh-gy-dkr gy, mod-sli ind, sli blkly

LS-off wh-orm, md hd-hd ip, vfn-fn ip xln, mod fn ool ip, sli foss, pred tr intrprtd por, fw pcs dkr stn-sli spply tr prt sat, so sli ddd-dd res fly o, vsfo md-dkr br o, fnt odr

LS-orm-off wh, md hd, fn xln, v sli chiky, ool ip, grd arm-tnt br, hdr, vfn xln ls, NS

SH-gy-rsty br, mod ind sli blkly

LS-orm-tnt gr mtrix ip, md hd-hd ip, vfn xln, ool ip, tr sli chiky, tr secxn, fw pcs spply stn-prt sat, sme pr oocst, sso, sli dd ip, dd-sli dd dk br v/fnt-fnt odr

SH-blk, sli-mod ind, sli fiss, carb

CFS @ 4026'
20°/60'

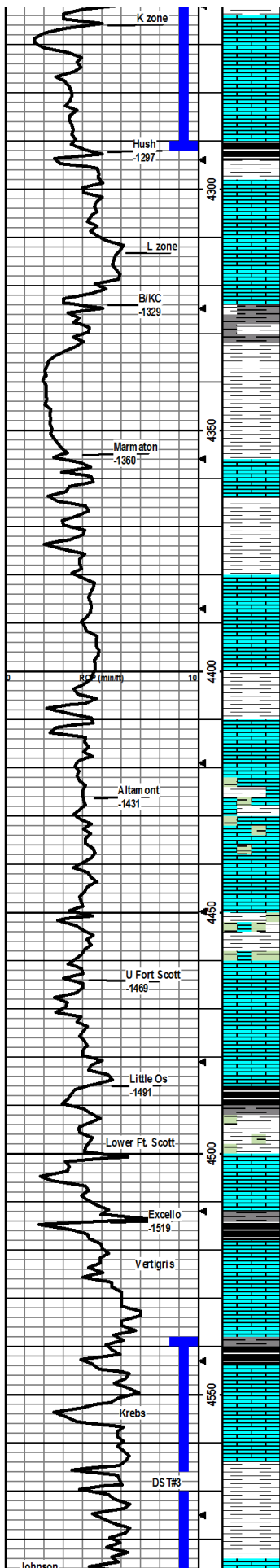
Mudco Check @ 4111'
06/29/11 5:30am
wt vis pH chl
9.2 55 9.5 2000
FIT LCM
8.8 2

CFS @ 4111' 30°/60'
DST 1)4096-4111
30/45/30/30,
1st: Initial week blow
built to 1/2",
2nd: no blow,
Rec: 5' OCM,
IFP: 37-41#,
ISIP: 1056#,
FFP: 43-49#,
FSIP: 1053#

CFS @ 4120' 20°/60'

DST 2)4165-4292
30/45/30/30
1st) wk bl bld 3/4"
2nd)w/wk srf blw
Rec: 60' M
IFP 100-114
FFP 118-126
SIP 1217-1001#
HP 2182-2104#

Mudco Check @ 4240'
06/29/11 5:30am
wt vis pH chl
9.2 66 9.5 3000
FIT LCM
8.0 2



LS-crm - tn, mott dk gy, m d hd - tr sft, tr hd, vfn - fn xln, ool & foss ip, pr intr prtcl - vug por, tr prt sat - sat, fr - si i gd odr, vssfo, tr slwr cut, tr fr flo

LS- crm - tnt tn ip, m d hd - hd ip, tr sft, chly ip, sli foss, sli ool ip, vssfo, tr stn

SH- blk, sli ind, sli carb

LS- br - lt tr, hd, vfn xln, sli foss NS

LS- lt br - crm - tnt gy ip, m d hd - hd, vfn - fn ip xln, foss ip, tr ool, v/sli chly ip, tr secxn NS

LS- crm - lt br, hd - m d hd, vfn - microxln, tr li foss, tr sli chly, grd mod dol ip, crm - tnt br, fn xln, NS

SH- gy - dk gy - lt gy w/nt gr, m od ind, mst dull, blkly

SH- rsty - tnt br - tr m m - lt gr ip, mod - sli ind, sly - sndy ip, w/sme dkr gy sh, w/ sme ls - crm - tnt rsty, md hd - sft, fn xln, fn ool, NS

SH- rsty/br - tr ip, sli - mod ind, sly/ sndy ip, w/ ls strngr - ltr rsty/ pale rd, m d hd, vfn xln NS

LS- crm - lt br ip, hd - md hd, vfn xln, tr ool, foss ip, tr sli chdy NS

LS- crm - off wh ip, md hd - hd - tr sft, fn - vfn xln sli foss, v/sli grny ip, tr foss, tr gs bbl, no odr, NS

LS- crm ip - tn, hd - md hd ip, vfn xln, fn - md secxn ip, frct ip, tr sli foss NS w/sme sh - gy - lt gy - lt gr, sli - mod ind, sli sly ip, sli wxy

LS- tn - crm, hd - md hd, vfn xln, fn secxn ip, foss ip, tr frct, NS

LS- crm - off wh, md hd - hd - tr sft, fn xln, sli chdy - chly ip, tr sli foss, tr sly, NS w/ sme sh - rsty - rsty/br, pale ip, sli ind, sft wet, wxy rd

LS- crm - tan w/some lt gry, hrd blkly brittle tex, cryp - xln, some lt - gry green SH pcs, no vis por, no odr.

No sample collected.

LS- crm - tan w/some lt - med gry, hrd blkly brittle tex, cryp - xln, sl - chalky, some lt gry green SH pcs, no vis por, no odr.

LS- crm - tan, some lt - med gry, hrd brittle tex w/some white chalky soft pcs, cryp - xln, some lt - dk gry and green SH pcs, no vis por, no odr.

LS- crm - tan w/some lt gry pcs, hard, cryp - xln, no vis por, no odr.

SH - med brn w/med green mottling, some red brn and dk gry pcs, soft, fissile, some tan LS pcs crm - tan hard cryp - xln.

LS- crm - lt gryish brn, cryp to fn xln, some pcs w/foss crin and frags, some med brn red green and gray SH pcs, no vis por.

LS- crm - to med gryish brn, cryp to fn xln, some chert pcs, some pcs w/foss brac ool and frags, some lt - med gry and green shale pcs, no vis por.

LS- crm - tan, cryp to fn xln, some chert pcs, some pcs w/foss frags, some lt - med gry and green SH pcs, no vis por.

SH- blk - dk gy, sli ind, sli fiss, carb ip

SH - med to dk gry and med green, soft, fissile.

LS- crm - off wh, md hd - tr sft, vfn - fn xln, sli chly - tr mod, sli ool ip, v/sli wthrd ip, tr pr oocst - vug por, 1 pc s/n & flly oil, NSFO, no odr

SH- blk, sli - mod ind, sli blkly - sli fiss,

LS- lt br - br, hd dns, micro xln, NS

LS- crm - off wh ip, hd - md hd ip, fn xln, sli wthrd, tr sli foss, tr secxn, NS

LS- lt br - crm - tnt gy, md hd - hd, vfn xln, sme mod - vool ip, tr sli fri, NS

SH- blk, sli - mod ind, sli carb

LS- crm - tnt br - tnt gy, hd, micro - vfn xln, tr fn xln imbd pyr, tr pr vug por, 2 pc prt s/n, no odr, tr sli dd - dd o dkr - blk o, ? vssfo - sli ddo

LS- crm - off wh ip, hd - tr sft, vfn - fn ip xln, sli frct, sli foss ip, NS

SH- gy - dk gy, m od ind, sli wxy ip w/ sme ls - crm - tnt gy, hd - md hd, vfn xln, tr ool, tr frct, sli spry ip, tr sli foss, NS

SH- lt gr - gr - tnt gy, sli - mod ind, tr sli foss

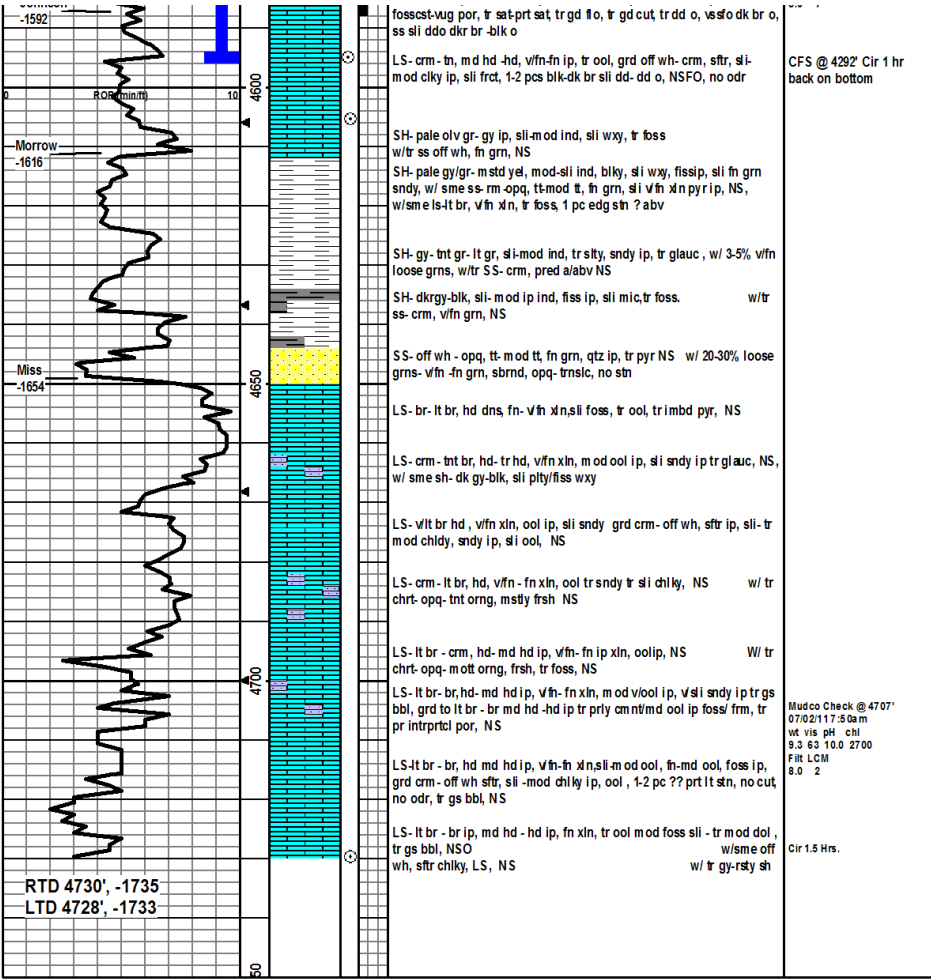
LS- lt br - br ip, hd - md hd ip, vfn xln, foss ip, tr secxn, tr pr - fr

Cir @ 4292' Cir 1 hr back on bottom

Mudco Check @ 4320'
06/30/11 6:30am
wt vis pH chl
9.3 68 10.0 2400
FIT LCM
P.A. 1

DST 3)4537-4595
30/45/30/30
1st: wk blw bld 1/4"
2nd: no blw
Rec: S OCM
IFP 60-65#
FFP 65-65#
SIP 136-63#
HP 2334-2287#

Mudco Check @ 4585'
07/01/11 9:00am
wt vis pH chl
9.3 66 10.0 2700
FIT LCM
P.A. 1



ALLIED CEMENTING CO., LLC. 039967

Federal Tax I.D.# 20-5976804

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

SERVICE POINT: Oakley, KS

DATE <u>6/24/14</u>	SEC <u>34</u>	TWP. <u>12</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30</u>	JOB FINISH <u>9:00 AM</u>
LEASE <u>None</u>	WELL # <u>234</u>	LOCATION <u>Oakley 105</u>	COUNTY <u>Logan</u>		STATE <u>KS</u>		
OLD OR NEW (Circle one)		<u>Was Sited</u>					

CONTRACTOR Murfin 24 OWNER Same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 222.5 CEMENT AMOUNT ORDERED 165 Gals

CASING SIZE 8 5/8 DEPTH 222.5 3700CC 250 gal

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 19.2496

EQUIPMENT

PUMP TRUCK CEMENTER Alan

422 HELPER Wayne

BULK TRUCK

404 DRIVER Chris

BULK TRUCK

DRIVER

COMMON	<u>165</u>	@	<u>16.25</u>	<u>2681.25</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>0</u>	@	<u>58.20</u>	<u>349.20</u>
ASC		@		
HANDLING	<u>174 SKI</u>	@	<u>2.25</u>	<u>391.50</u>
MILEAGE	<u>110.52/mile - minimum</u>			<u>344.00</u>
TOTAL				<u>3829.70</u>

REMARKS:

Run Cg, Circulate Max Cement
Displace Cement

SERVICE

DEPTH OF JOB	<u>222</u>		
PUMP TRUCK CHARGE	<u>1125.00</u>		
EXTRA FOOTAGE		@	
MILEAGE <u>10 x 2</u>	<u>7.00</u>	@	<u>140.00</u>
MANIFOLD		@	
<u>Circ Vehicle 10 x 2</u>	<u>4.00</u>	@	<u>80.00</u>
TOTAL <u>1345.00</u>			

CHARGE TO Crown Mesa Operating
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

ALLIED CEMENTING CO., LLC. 040904

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Oakley, KS

DATE <u>7-2-11</u>	SEC <u>34</u>	TWP. <u>12</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30am</u>	JOB FINISH <u>5:00pm</u>
LEASE <u>Dale</u>	WELL # <u>2-34</u>	LOCATION <u>Oakley 105-SW into</u>	COUNTY <u>Hogan</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one)							

CONTRACTOR Murfin #24

TYPE OF JOB PT A

HOLE SIZE 7 7/8 T.D. 4735'

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH 2520'

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 32.28 bbl

OWNER same

CEMENT

AMOUNT ORDERED 220 sks 60/40 4' log
1/4 # flo-seal

COMMON	<u>1325 sk</u>	@	<u>16.25</u>	<u>21450.00</u>
POZMIX	<u>885 sk</u>	@	<u>8.50</u>	<u>7480.00</u>
GEL	<u>8 sk</u>	@	<u>21.25</u>	<u>170.00</u>
CHLORIDE		@		
ASC		@		
		@		
	<u>Flo-seal 55#</u>	@	<u>2.70</u>	<u>148.50</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>230 sk</u>	@	<u>2.25</u>	<u>517.50</u>
MILEAGE	<u>114 sk/mile</u>			<u>253.00</u>
TOTAL				<u>3982.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Lakene

431 HELPER Darren

BULK TRUCK

404 DRIVER Earl

BULK TRUCK

DRIVER

REMARKS:

Mix 25 sks at 2520'

Mix 100 sks at 1540'

Mix 40 sks at 275'

Mix 10 sks 90' #1

plug mouse hole 15 sks

plug Rat hole 30 sks

Thank you

Grand Mesa

CHARGE TO: Grand Mesa

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>2520'</u>		
PUMP TRUCK CHARGE			<u>1250.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>10 x 2</u>	@	<u>7.00 140.00</u>
MANIFOLD		@	
<u>light vehicle</u>		@	<u>4.00 80.00</u>
		@	
TOTAL <u>1470.00</u>			

PLUG & FLOAT EQUIPMENT

<u>Top warden plug</u>	@	<u>92.00</u>
	@	
	@	
	@	
	@	
TOTAL <u>92.00</u>		

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PRINTED NAME Anthony Martin

SIGNATURE Anthony Martin

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS