



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: _____



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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	DBY 1-16
Doc ID	1064129

All Electric Logs Run

CPDCN Microresistivity Log
AI Shallow Focussed Electric Log
Comp. Sonic w/Integrated Transit Time
Dual Receiver Cement Bond Log

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	DBY 1-16
Doc ID	1064129

Tops

Name	Top	Datum
Stone Corral	2439	+647
Bs/Stone Corral	2458	+628
Heebner	3988	-902
Lansing	4030	-944
Muncie Creek	4198	-1112
Stark	4292	-1206
Hushpuckney	4334	-1248
Marmaton	4409	-1323
Little Osage	4541	-1455
Morrow	4698	-1612
Mississippian	4743	-1657
LTD	4902	

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

September 27, 2011

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

Re: ACO1
API 15-171-20822-00-00
DBY 1-16
SW/4 Sec.16-16S-33W
Scott 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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

Job Ticket: 042717

DST#: 1

ATTN: Steve Carl

Test Start: 2011.07.30 @ 02:54:55

GENERAL INFORMATION:

Formation: **Lansing C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:17:20

Time Test Ended: 10:11:34

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 4055.00 ft (KB) To 4080.00 ft (KB) (TVD)

Reference Elevations: 3085.00 ft (KB)

Total Depth: 4080.00 ft (KB) (TVD)

3075.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 123.87 psig @ 4056.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.30

End Date:

2011.07.30

Last Calib.:

2011.07.30

Start Time:

02:54:55

End Time:

10:11:34

Time On Btm:

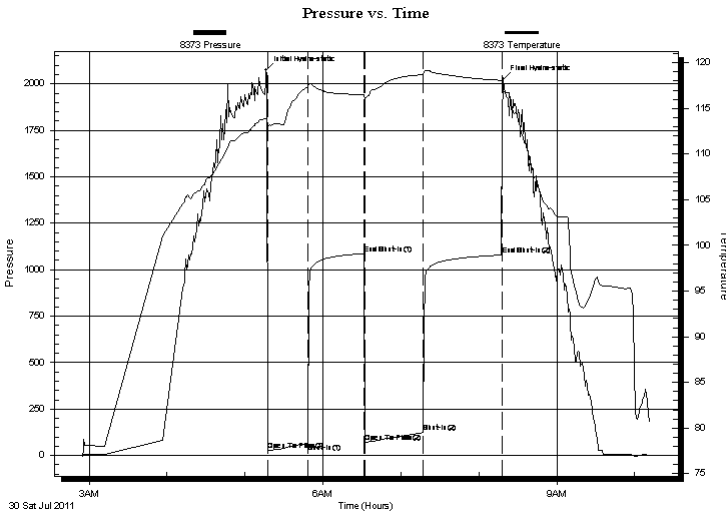
2011.07.30 @ 05:16:20

Time Off Btm:

2011.07.30 @ 08:19:04

TEST COMMENT: IF: Surface blow built to 3 in 30 min.
IS: No return.
FF: Surface blow built to 3 in 45 min.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2072.05	113.85	Initial Hydro-static
1	27.21	113.11	Open To Flow (1)
32	65.51	117.34	Shut-In(1)
76	1086.43	116.50	End Shut-In(1)
76	73.92	116.01	Open To Flow (2)
121	123.87	118.73	Shut-In(2)
182	1078.38	118.06	End Shut-In(2)
183	2024.06	117.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	w cm 20%w 80%m	0.30
180.00	mcw trace of oil 70%w 30%m	0.91
0.00	1" of oil on top	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

Job Ticket: 042717

DST#: 1

ATTN: Steve Carl

Test Start: 2011.07.30 @ 02:54:55

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

20000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	w cm 20%w 80%m	0.295
180.00	mcw trace of oil 70%w 30%m	0.913
0.00	1" of oil on top	0.000

Total Length: 240.00 ft Total Volume: 1.208 bbl

Num Fluid Samples: 0

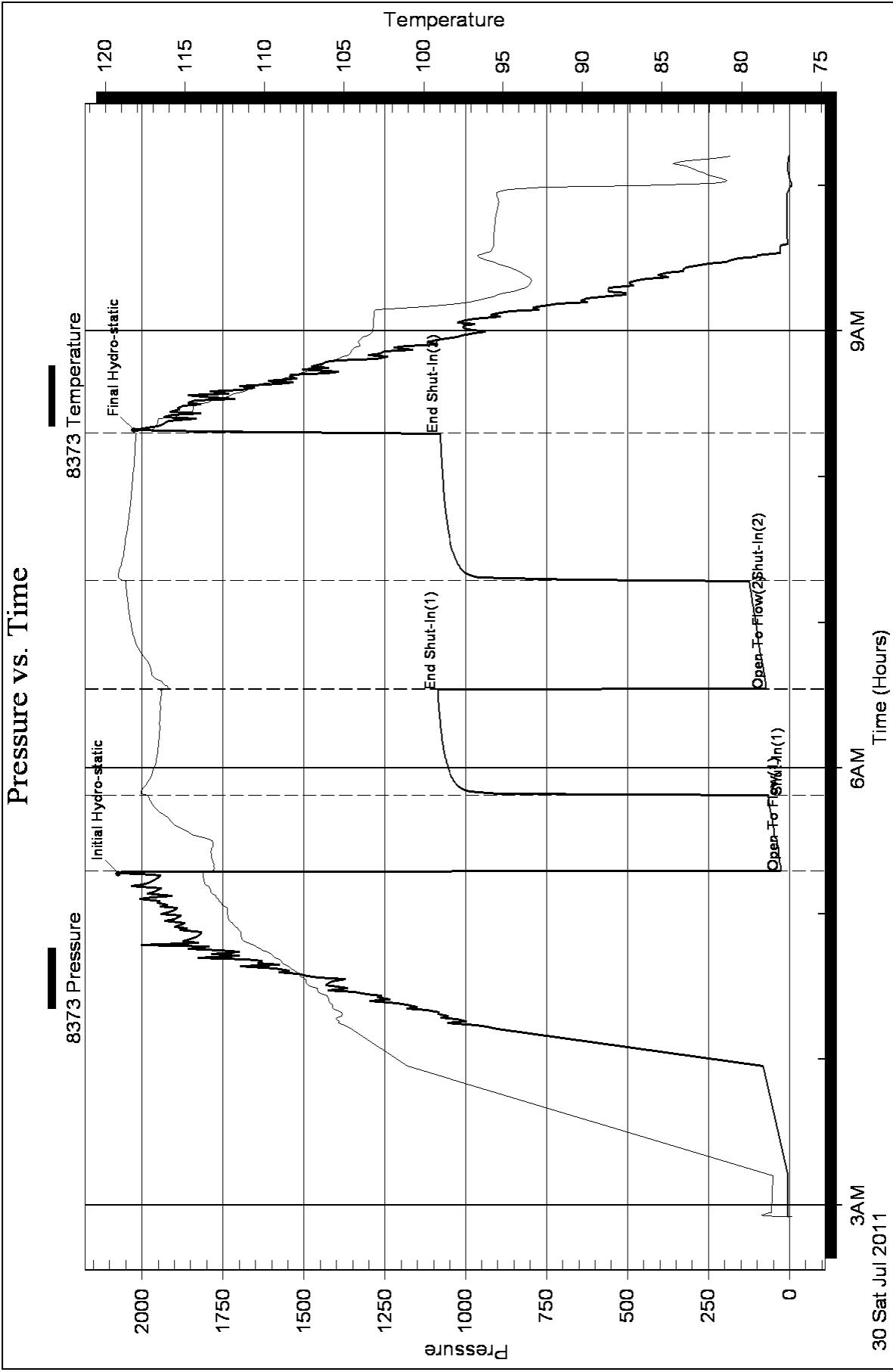
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .29@83=20000





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

Job Ticket: 042718

DST#: 2

ATTN: Steve Carl

Test Start: 2011.07.30 @ 21:18:41

GENERAL INFORMATION:

Formation: **Lansing E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:26:36

Time Test Ended: 05:38:35

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 4115.00 ft (KB) To 4150.00 ft (KB) (TVD)

Reference Elevations: 3085.00 ft (KB)

Total Depth: 4150.00 ft (KB) (TVD)

3075.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 314.15 psig @ 4116.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.30

End Date:

2011.07.31

Last Calib.:

2011.07.31

Start Time: 21:18:41

End Time:

05:38:35

Time On Btm:

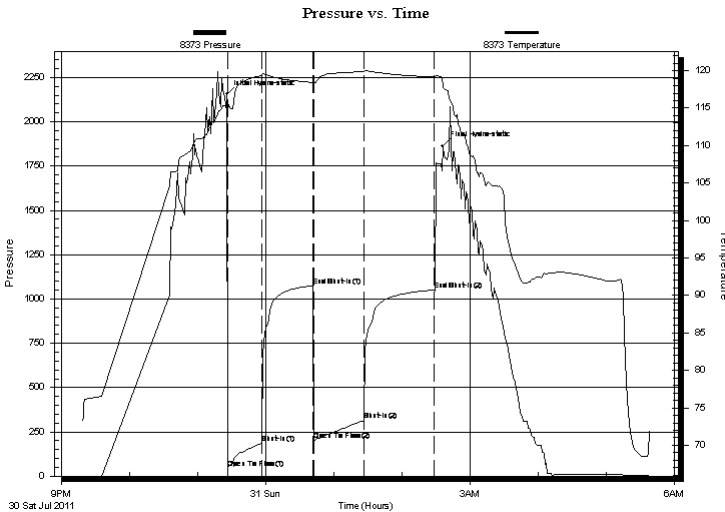
2011.07.30 @ 23:26:06

Time Off Btm:

2011.07.31 @ 02:36:20

TEST COMMENT: IF: BOB in 10 min.
IS: No return.
FF: BOB in 15 min.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.49	115.33	Initial Hydro-static
1	41.90	114.67	Open To Flow (1)
31	186.28	119.35	Shut-In(1)
76	1074.99	118.42	End Shut-In(1)
77	201.89	118.18	Open To Flow (2)
121	314.15	119.84	Shut-In(2)
183	1050.40	119.14	End Shut-In(2)
191	1863.67	117.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcw 95%w 5%m	0.91
248.00	mcw 90%w 10%m	3.01
231.00	mcw 60%w 40%m	3.24

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

Job Ticket: 042718

DST#: 2

ATTN: Steve Carl

Test Start: 2011.07.30 @ 21:18:41

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

27000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	mcw 95%w 5%m	0.915
248.00	mcw 90%w 10%m	3.014
231.00	mcw 60%w 40%m	3.240

Total Length: 665.00 ft Total Volume: 7.169 bbl

Num Fluid Samples: 0

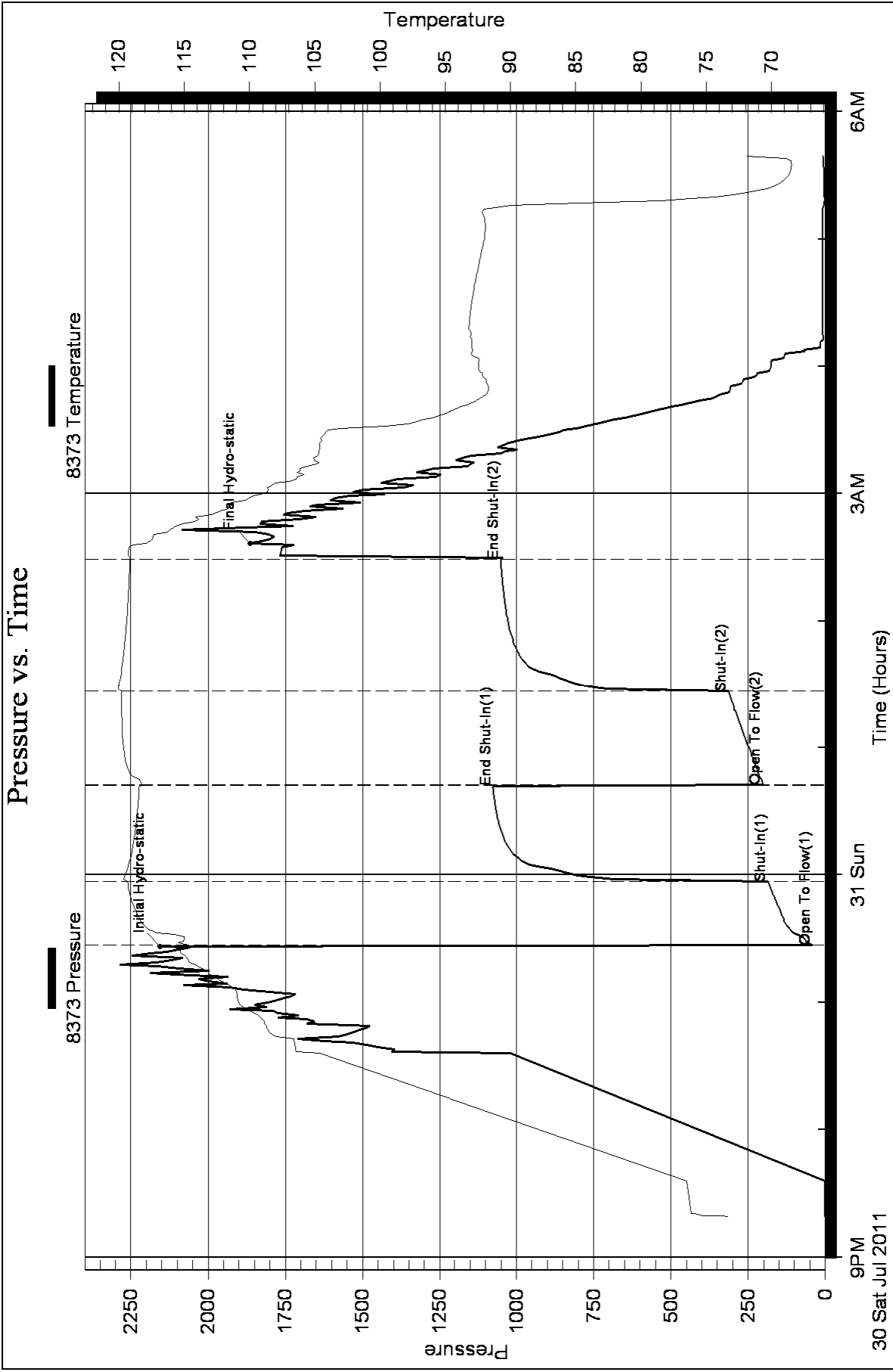
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .25@72=27000





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

Job Ticket: 042719

DST#: 3

ATTN: Steve Carl

Test Start: 2011.07.31 @ 23:05:30

GENERAL INFORMATION:

Formation: **Lansing H-I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:04:25

Time Test Ended: 06:52:39

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 4194.00 ft (KB) To 4298.00 ft (KB) (TVD)

Reference Elevations: 3085.00 ft (KB)

Total Depth: 4298.00 ft (KB) (TVD)

3075.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 313.86 psig @ 4195.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.31

End Date:

2011.08.01

Last Calib.: 2011.08.01

Start Time: 23:05:30

End Time:

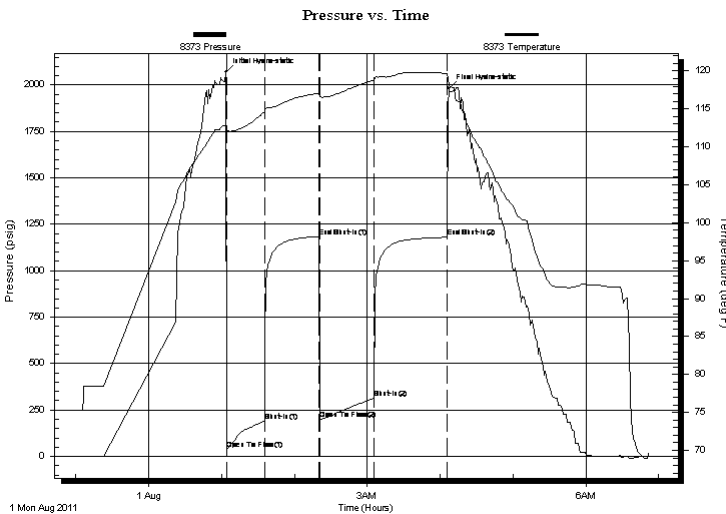
06:52:39

Time On Btm: 2011.08.01 @ 01:03:25

Time Off Btm: 2011.08.01 @ 04:07:09

TEST COMMENT: IF: BOB in 12 min.
IS: No return.
FF: BOB in 16 min.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2067.80	112.78	Initial Hydro-static
1	39.55	111.97	Open To Flow (1)
32	190.78	114.54	Shut-In(1)
77	1184.03	117.04	End Shut-In(1)
78	199.31	116.65	Open To Flow (2)
123	313.86	118.82	Shut-In(2)
183	1180.69	119.69	End Shut-In(2)
184	1982.84	118.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	mcw 90%w 10%m	2.19
186.00	mcw 60%w 40%m	2.61
186.00	mcw oil spots 5%w 95%m	2.61

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

Job Ticket: 042719

DST#: 3

ATTN: Steve Carl

Test Start: 2011.07.31 @ 23:05:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
310.00	mcw 90%w 10%m	2.190
186.00	mcw 60%w 40%m	2.609
186.00	mcw oil spots 5%w 95%m	2.609

Total Length: 682.00 ft Total Volume: 7.408 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

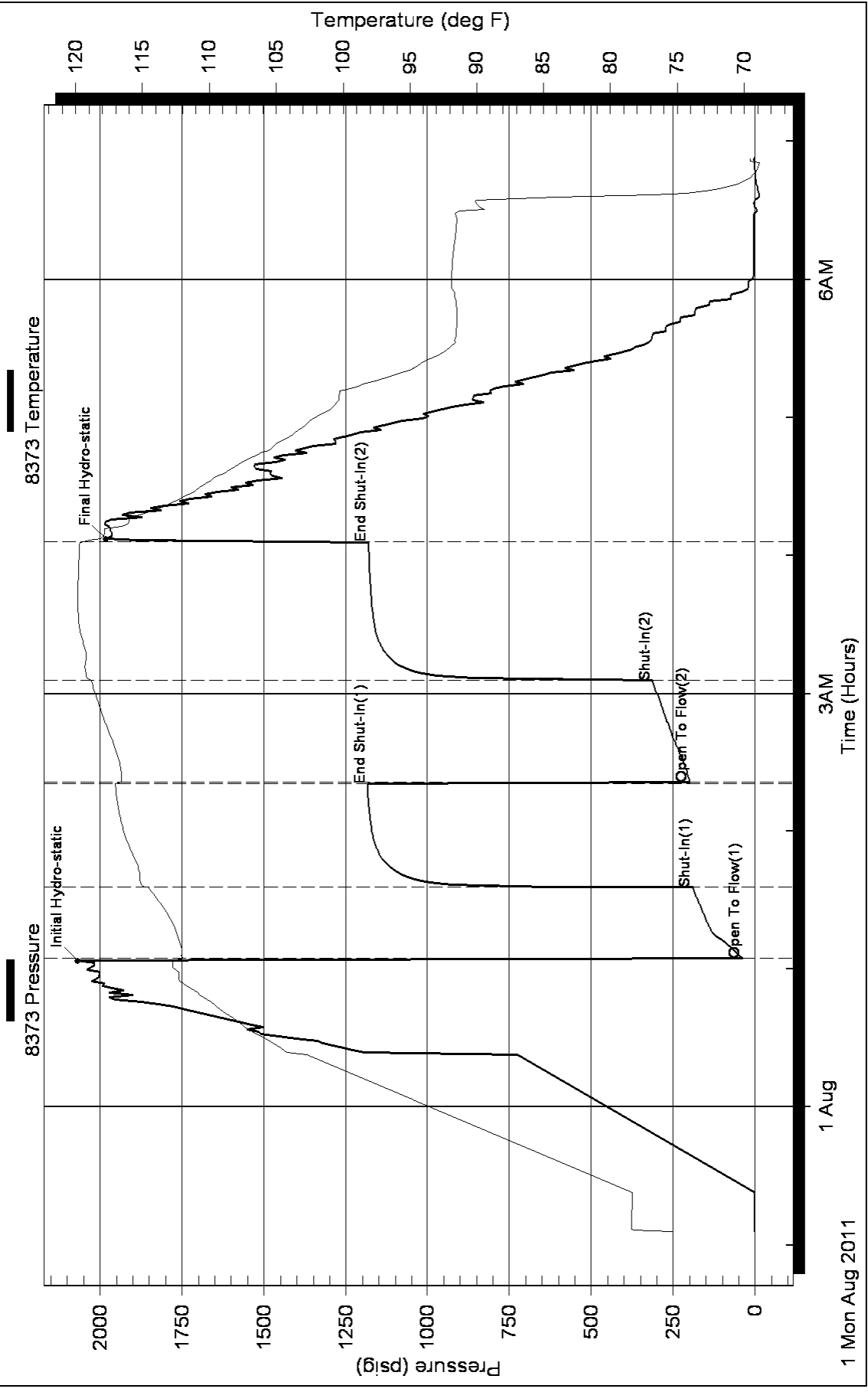
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .26@71=26000

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

Job Ticket: 042720

DST#: 4

ATTN: Steve Carl

Test Start: 2011.08.01 @ 15:23:36

GENERAL INFORMATION:

Formation: **Swope**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:18:31

Time Test Ended: 22:26:45

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 4286.00 ft (KB) To 4330.00 ft (KB) (TVD)

Reference Elevations: 3085.00 ft (KB)

Total Depth: 4330.00 ft (KB) (TVD)

3075.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 947.16 psig @ 4287.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.01

End Date: 2011.08.01

Last Calib.: 2011.08.01

Start Time: 15:23:36

End Time: 22:26:45

Time On Btm: 2011.08.01 @ 17:17:31

Time Off Btm: 2011.08.01 @ 20:02:45

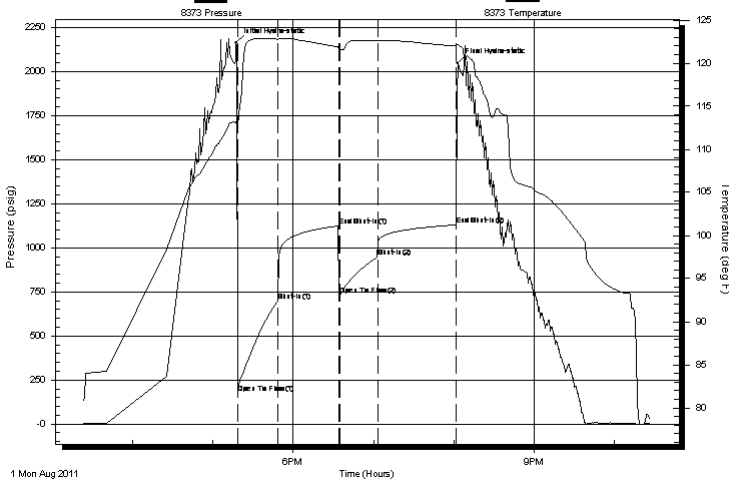
TEST COMMENT: IF:BOB in 1 min.

IS: No return.

FF: BOB in 3 min.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2163.81	113.19	Initial Hydro-static
1	174.99	112.51	Open To Flow (1)
31	699.85	122.79	Shut-In(1)
77	1123.95	121.92	End Shut-In(1)
77	729.95	121.67	Open To Flow (2)
106	947.16	122.61	Shut-In(2)
164	1130.44	121.98	End Shut-In(2)
166	2049.15	122.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
775.00	water 100%w	8.71
496.00	mcw 90%w 10%m	6.96
279.00	w cm 10%w 90%m	3.91

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

Job Ticket: 042720

DST#: 4

ATTN: Steve Carl

Test Start: 2011.08.01 @ 15:23:36

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

24000 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
775.00	water 100%w	8.712
496.00	mcw 90%w 10%m	6.958
279.00	w cm 10%w 90%m	3.914

Total Length: 1550.00 ft Total Volume: 19.584 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

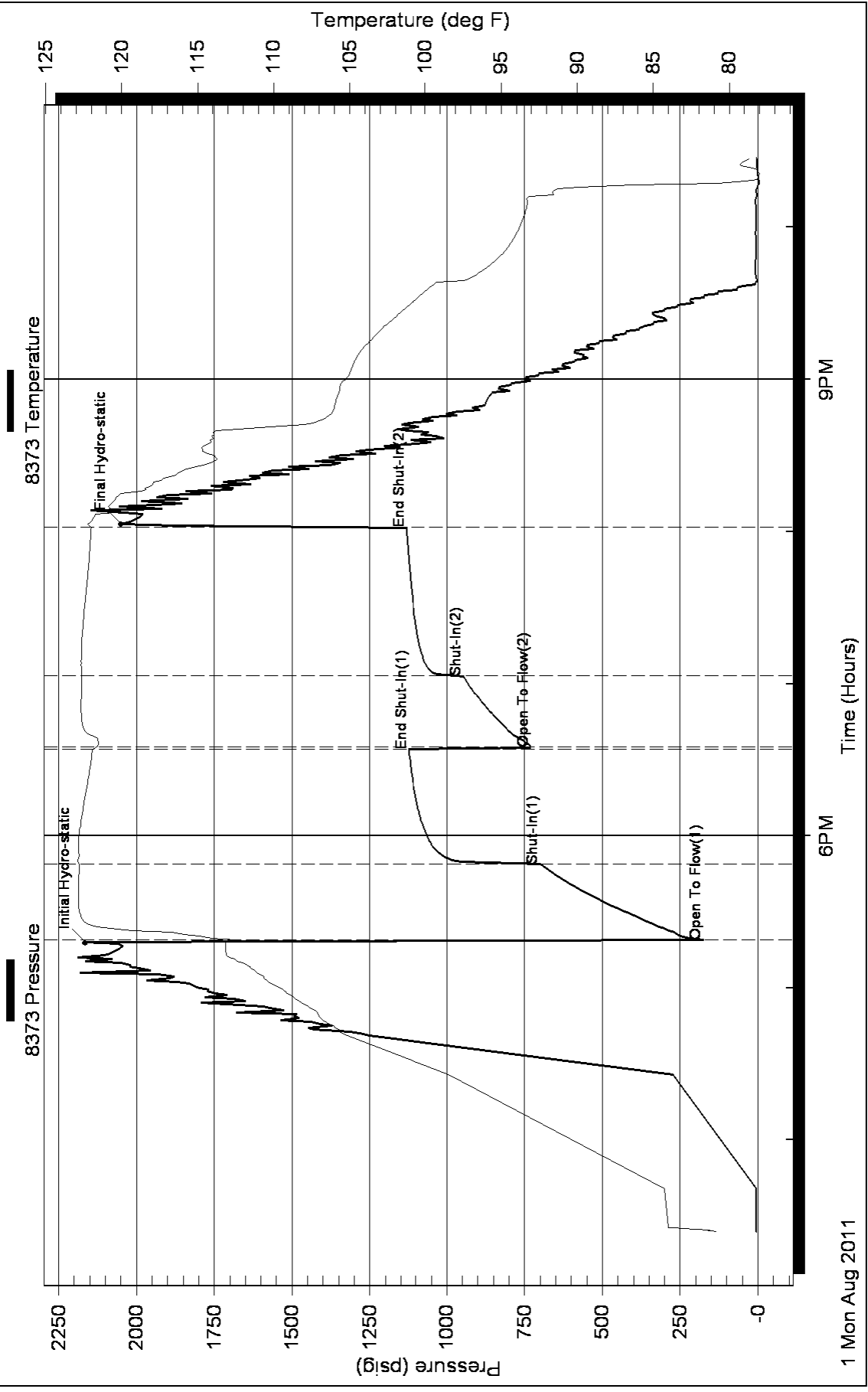
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .22@90=24000

Pressure vs. Time



1 Mon Aug 2011



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

ATTN: Steve Carl

Job Ticket: 042721

DST#: 5

Test Start: 2011.08.02 @ 06:30:07

GENERAL INFORMATION:

Formation: **Hertha**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:16:02

Time Test Ended: 15:02:47

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 4330.00 ft (KB) To 4370.00 ft (KB) (TVD)

Reference Elevations: 3085.00 ft (KB)

Total Depth: 4370.00 ft (KB) (TVD)

3075.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 582.10 psig @ 4331.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.02

End Date:

2011.08.02

Last Calib.:

2011.08.02

Start Time: 06:30:07

End Time:

15:02:47

Time On Btm:

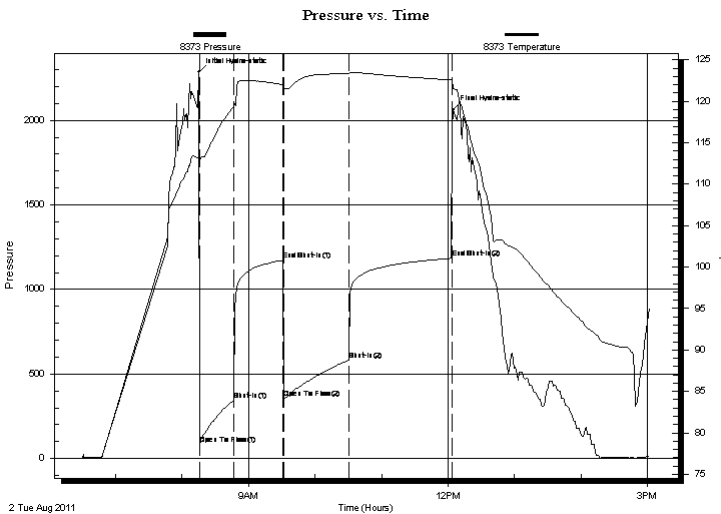
2011.08.02 @ 08:15:02

Time Off Btm:

2011.08.02 @ 12:04:46

TEST COMMENT: IF: BOB in 3 min.
IS: Surface blow built to 4 in 45 min.
FF: BOB in 6 min.
FS: BOB in 60 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2283.45	113.24	Initial Hydro-static
1	81.96	112.82	Open To Flow (1)
32	343.27	119.29	Shut-In(1)
76	1172.57	122.01	End Shut-In(1)
77	358.35	121.67	Open To Flow (2)
135	582.10	123.32	Shut-In(2)
229	1184.33	122.60	End Shut-In(2)
230	2062.47	121.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	mcw 95%w 5%m	2.19
310.00	ocmw 5%o 85%w 10%m	4.35
248.00	gocmw 10%g 20%o 60%w 10%m	3.48
186.00	gocmw 20%g 10%o 50%w 20%m	2.61
341.00	mw cgo 10%g 80%o 5%w 5%m	4.78
0.00	403 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

Job Ticket: 042721

DST#: 5

ATTN: Steve Carl

Test Start: 2011.08.02 @ 06:30:07

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:

25000 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
310.00	mcw 95%w 5%m	2.190
310.00	ocmw 5%o 85%w 10%m	4.348
248.00	gocmw 10%g 20%o 60%w 10%m	3.479
186.00	gocmw 20%g 10%o 50%w 20%m	2.609
341.00	mw cgo 10%g 80%o 5%w 5%m	4.783
0.00	403 GIP	0.000

Total Length: 1395.00 ft Total Volume: 17.409 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

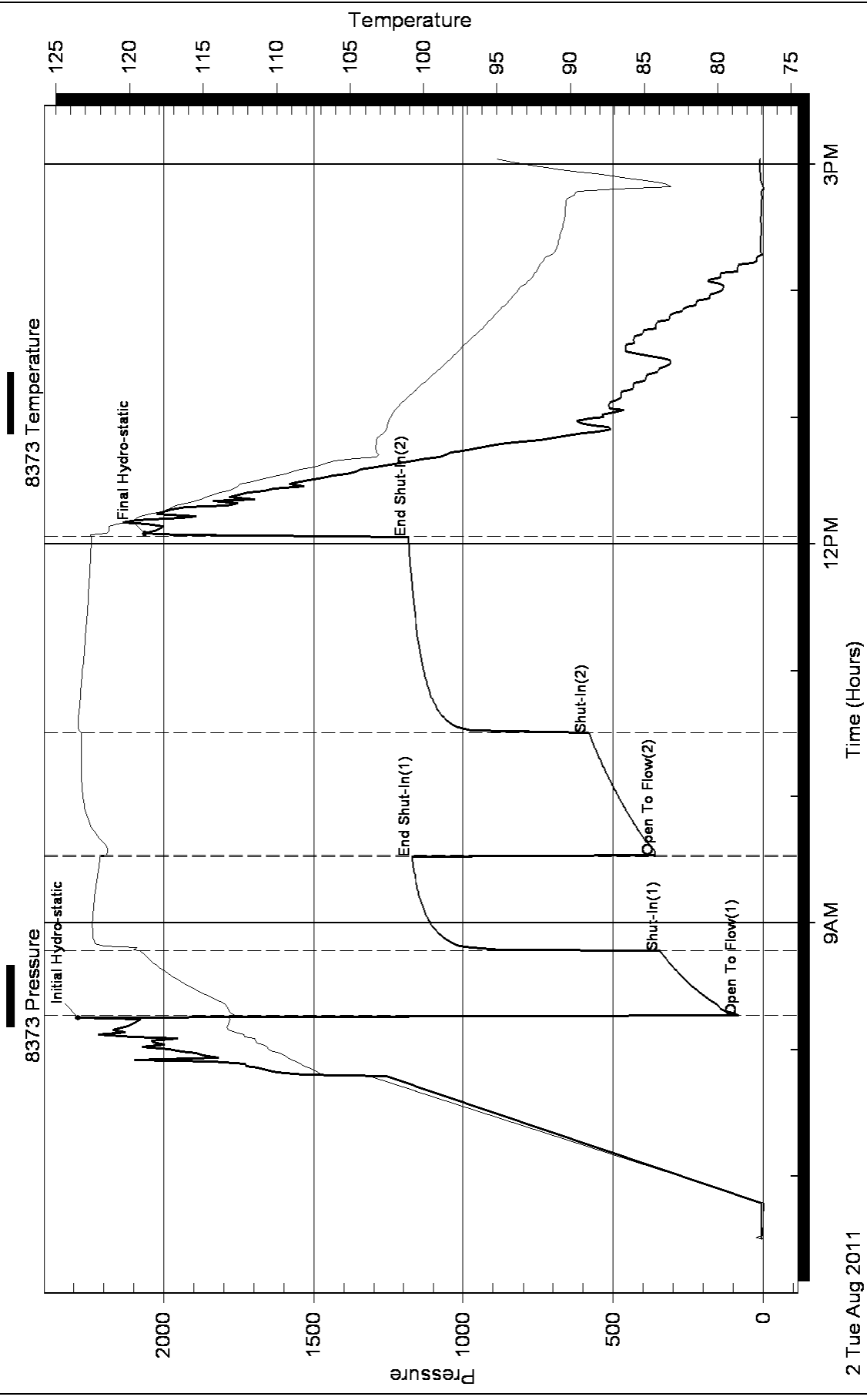
Laboratory Name:

Laboratory Location:

Recovery Comments: 32@90=29

.21@90=25000

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

ATTN: Steve Carl

Job Ticket: 042722

DST#: 6

Test Start: 2011.08.02 @ 22:09:22

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:04:02

Time Test Ended: 06:54:17

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 4370.00 ft (KB) To 4393.00 ft (KB) (TVD)

Reference Elevations: 3085.00 ft (KB)

Total Depth: 4393.00 ft (KB) (TVD)

3075.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 873.22 psig @ 4371.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.02

End Date:

2011.08.03

Last Calib.:

2011.08.03

Start Time: 22:09:22

End Time:

06:54:17

Time On Btm:

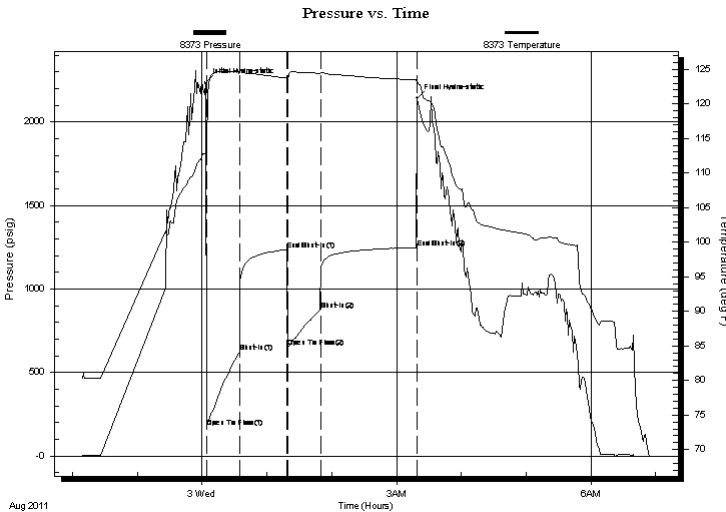
2011.08.03 @ 00:03:17

Time Off Btm:

2011.08.03 @ 03:19:16

TEST COMMENT: IF: BOB in 1 min.
IS: BOB in 14 min.
FF: BOB in 2 min.
FS: BOB in 20 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.71	112.87	Initial Hydro-static
1	171.90	112.42	Open To Flow (1)
32	619.86	124.62	Shut-In(1)
76	1235.31	123.69	End Shut-In(1)
76	651.97	123.48	Open To Flow (2)
107	873.22	124.42	Shut-In(2)
196	1246.98	123.44	End Shut-In(2)
196	2140.59	123.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 95%w 5%m	0.61
2004.00	go 30%g 70%o	27.08
0.00	1096 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

Job Ticket: 042722

DST#: 6

ATTN: Steve Carl

Test Start: 2011.08.02 @ 22:09:22

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

40000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mcw 95%w 5%m	0.610
2004.00	go 30%g 70%o	27.081
0.00	1096 GIP	0.000

Total Length: 2128.00 ft Total Volume: 27.691 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

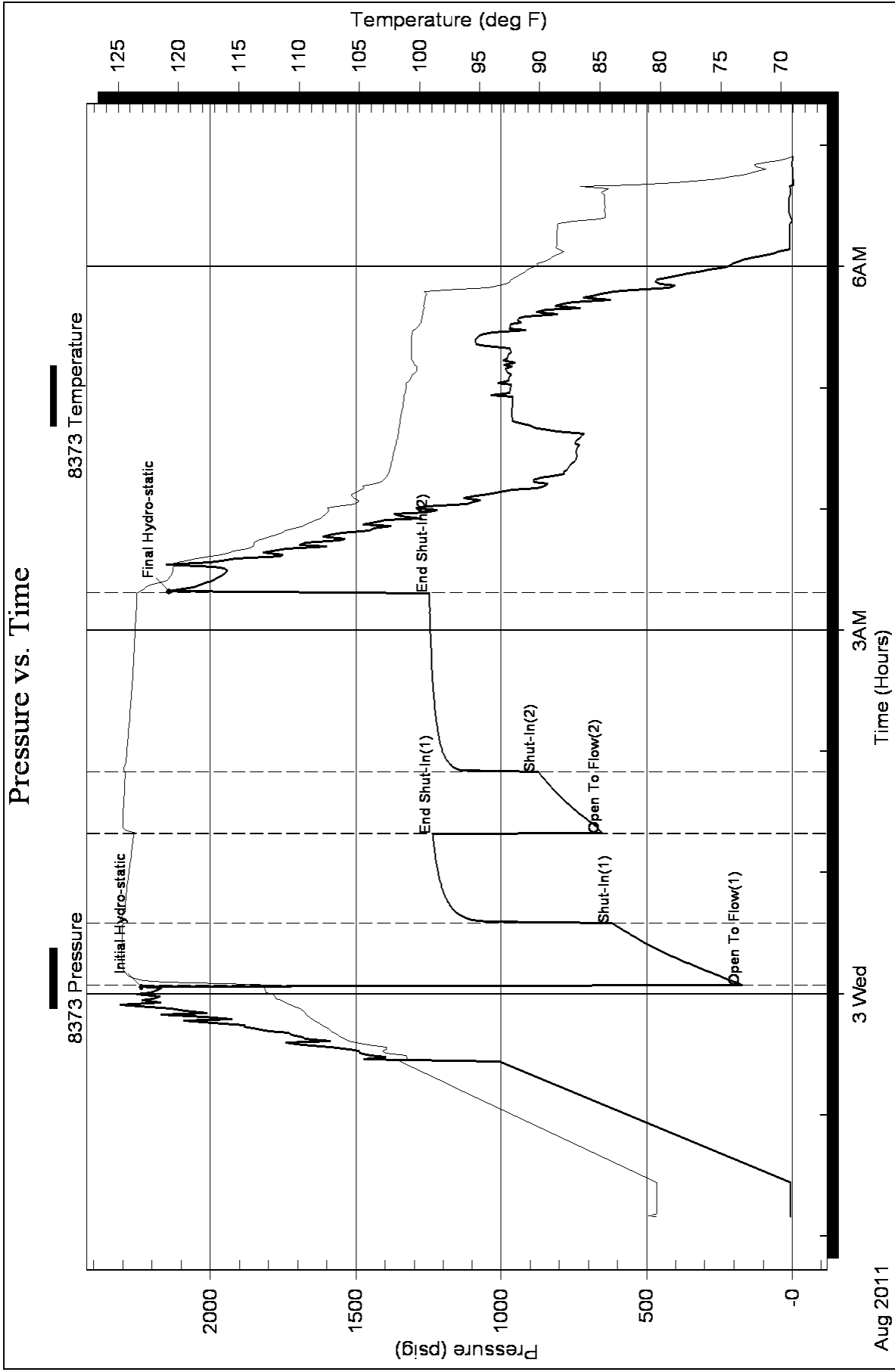
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 38@70=37

.19@68=40000





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

ATTN: Steve Carl

Job Ticket: 042723

DST#: 7

Test Start: 2011.08.03 @ 16:33:27

GENERAL INFORMATION:

Formation: **Lenapah**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:20:07

Time Test Ended: 21:27:51

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 4410.00 ft (KB) To 4453.00 ft (KB) (TVD)

Reference Elevations: 3085.00 ft (KB)

Total Depth: 4453.00 ft (KB) (TVD)

3075.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 26.29 psig @ 4411.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.03

End Date:

2011.08.03

Last Calib.:

2011.08.03

Start Time:

16:33:27

End Time:

21:27:51

Time On Btm:

2011.08.03 @ 18:18:37

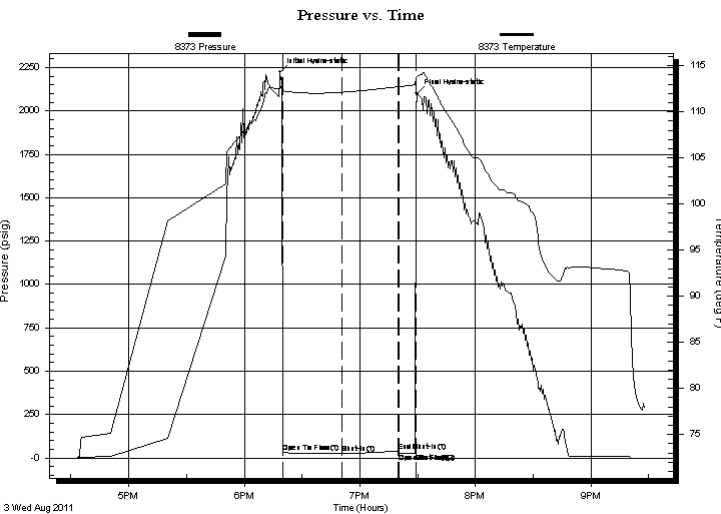
Time Off Btm:

2011.08.03 @ 19:29:37

TEST COMMENT: IF: Surface blow died in 6 min.

IS: No return.

FF: No blow. Pulled tool.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2221.62	112.52	Initial Hydro-static
2	34.37	112.30	Open To Flow (1)
33	26.29	112.12	Shut-In(1)
62	40.53	112.73	End Shut-In(1)
62	28.16	112.73	Open To Flow (2)
71	26.23	112.93	Shut-In(2)
71	2101.59	113.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100% m	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

Job Ticket: 042723

DST#: 7

ATTN: Steve Carl

Test Start: 2011.08.03 @ 16:33:27

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud 100%m	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

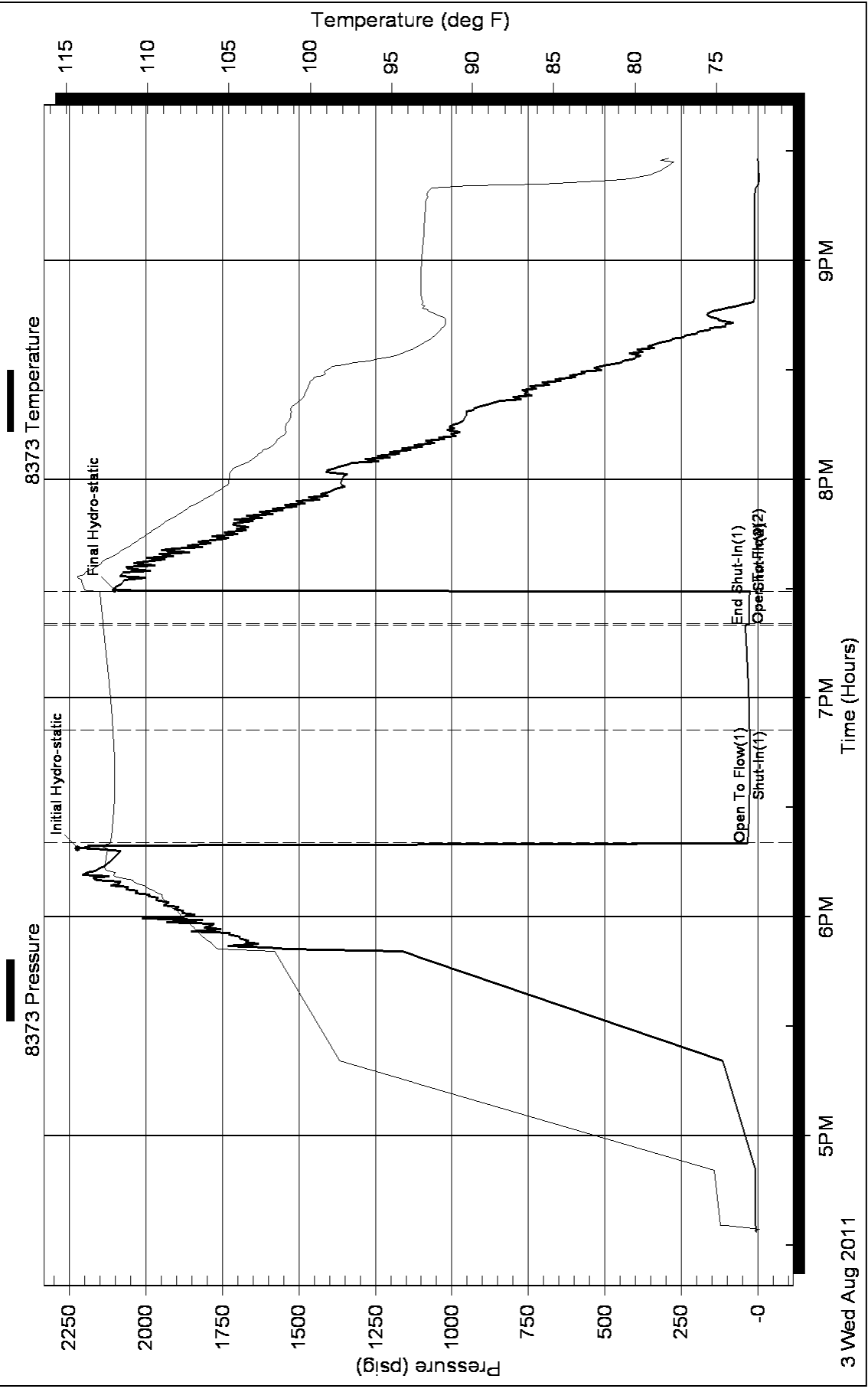
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

Job Ticket: 042724

DST#: 8

ATTN: Steve Carl

Test Start: 2011.08.04 @ 18:27:51

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:26:01

Time Test Ended: 03:00:46

Test Type: Conventional Bottom Hole

Tester: Brandon Turley- Will

Unit No: 35

Interval: 4565.00 ft (KB) To 4660.00 ft (KB) (TVD)

Reference Elevations: 3085.00 ft (KB)

Total Depth: 4660.00 ft (KB) (TVD)

3075.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 159.85 psig @ 4566.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.04

End Date:

2011.08.05

Last Calib.: 2011.08.05

Start Time: 18:27:51

End Time:

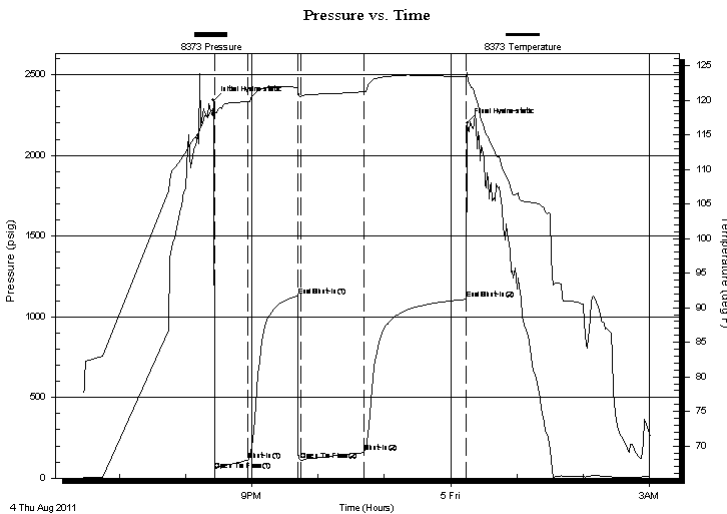
03:00:46

Time On Btm: 2011.08.04 @ 20:25:16

Time Off Btm: 2011.08.05 @ 00:14:45

TEST COMMENT: IF-BOB -in 11min
ISI-Surface Blow Built to 1" Died in 36min
FF-BOB in 5min
FSI-Surface Blow Built to 2" Died in 34min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2341.50	118.53	Initial Hydro-static
1	46.25	117.36	Open To Flow (1)
31	111.15	119.78	Shut-In(1)
77	1130.70	121.86	End Shut-In(1)
80	109.94	120.55	Open To Flow (2)
137	159.85	121.24	Shut-In(2)
229	1108.70	123.47	End Shut-In(2)
230	2202.70	124.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcgo 30%g 50%o 20%m	0.30
62.00	mcgo 10%g 75%o 15 %m	0.30
186.00	mcgo 60%g 30%o 10%m	1.58
50.00	gocm 5%g 5%o 90%m	0.70
0.00	992 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Company

DBY 1-16

1700 N. Waterfront PKWY BLDG 600
Wichita, KS 67206

16-16-33 Scott, KS

Job Ticket: 042724

DST#: 8

ATTN: Steve Carl

Test Start: 2011.08.04 @ 18:27:51

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mcgo 30%g 50%o 20%m	0.305
62.00	mcgo 10%g 75%o 15 %m	0.305
186.00	mcgo 60%g 30%o 10%m	1.580
50.00	gocm 5%g 5%o 90%m	0.701
0.00	992 GIP	0.000

Total Length: 360.00 ft

Total Volume: 2.891 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

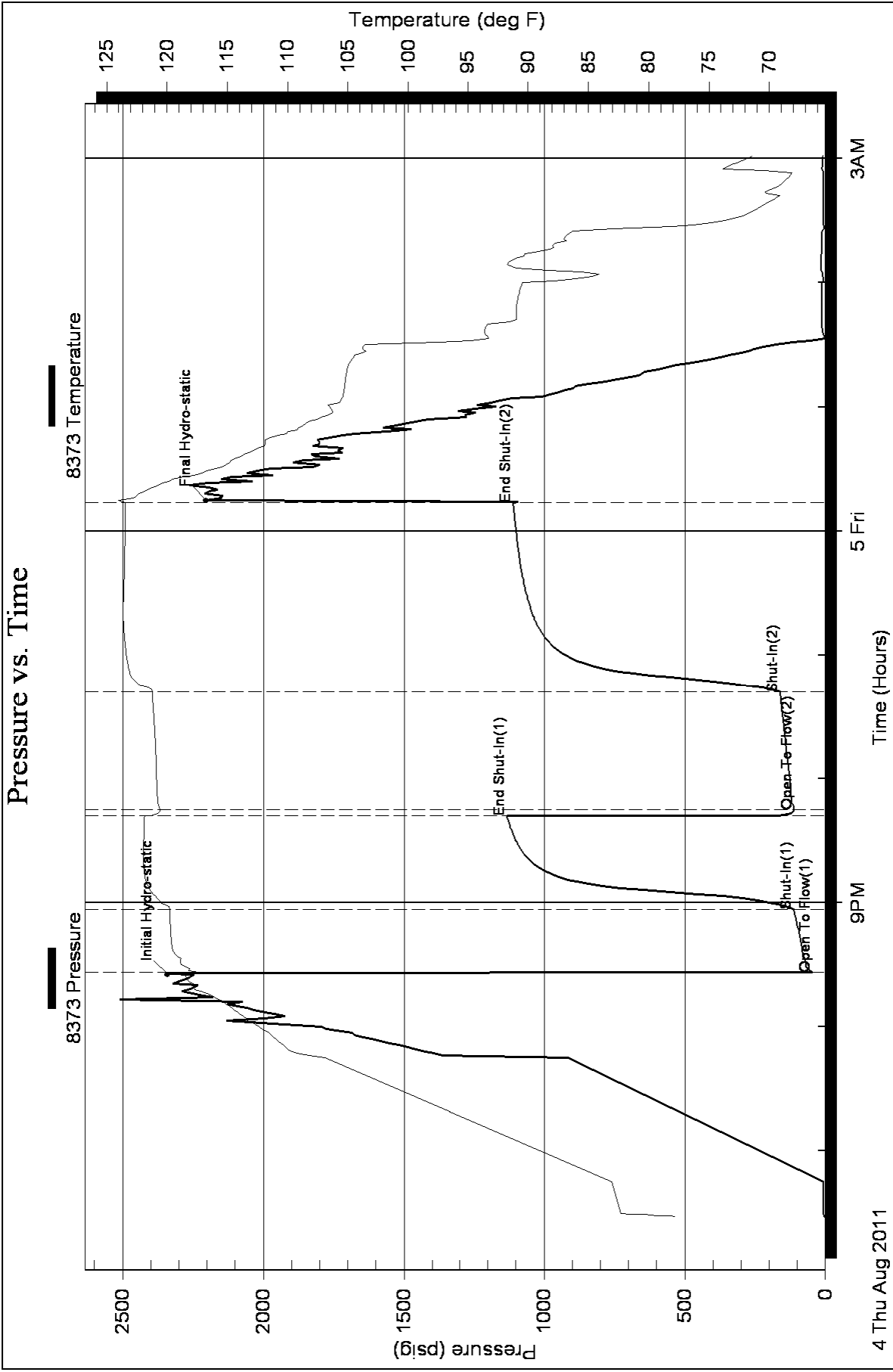
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



GRAND MESA

OPERATING COMPANY

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

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

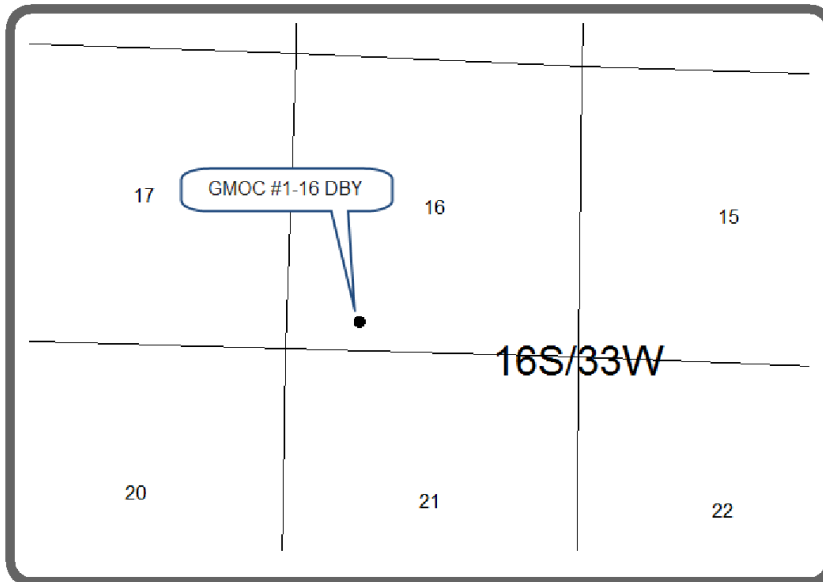
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: #1-16 DBY
Location: 524'FSL, 1307'FWL, 16-16s-33w, Scott County, Kansas
License Number: API: 15-171-20822 Region: Wildcat
Spud Date: 7-22-2011 Drilling Completed: 8/7/2011
Surface Coordinates: Lat: 38.657562 734346
Long: -100.976284 1292929
Bottom Hole Vertical hole
Coordinates:
Ground Elevation (ft): 3075' K.B. Elevation (ft): 3086'
Logged Interval (ft): 3600' To: RTD Total Depth (ft): 4900
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: Steven P. Carl
Company: Grand Mesa Operating Company
Address: 1700 N. Waterfront Parkway, Bldg 600
Wichita, Kansas 67206
316-256-3000



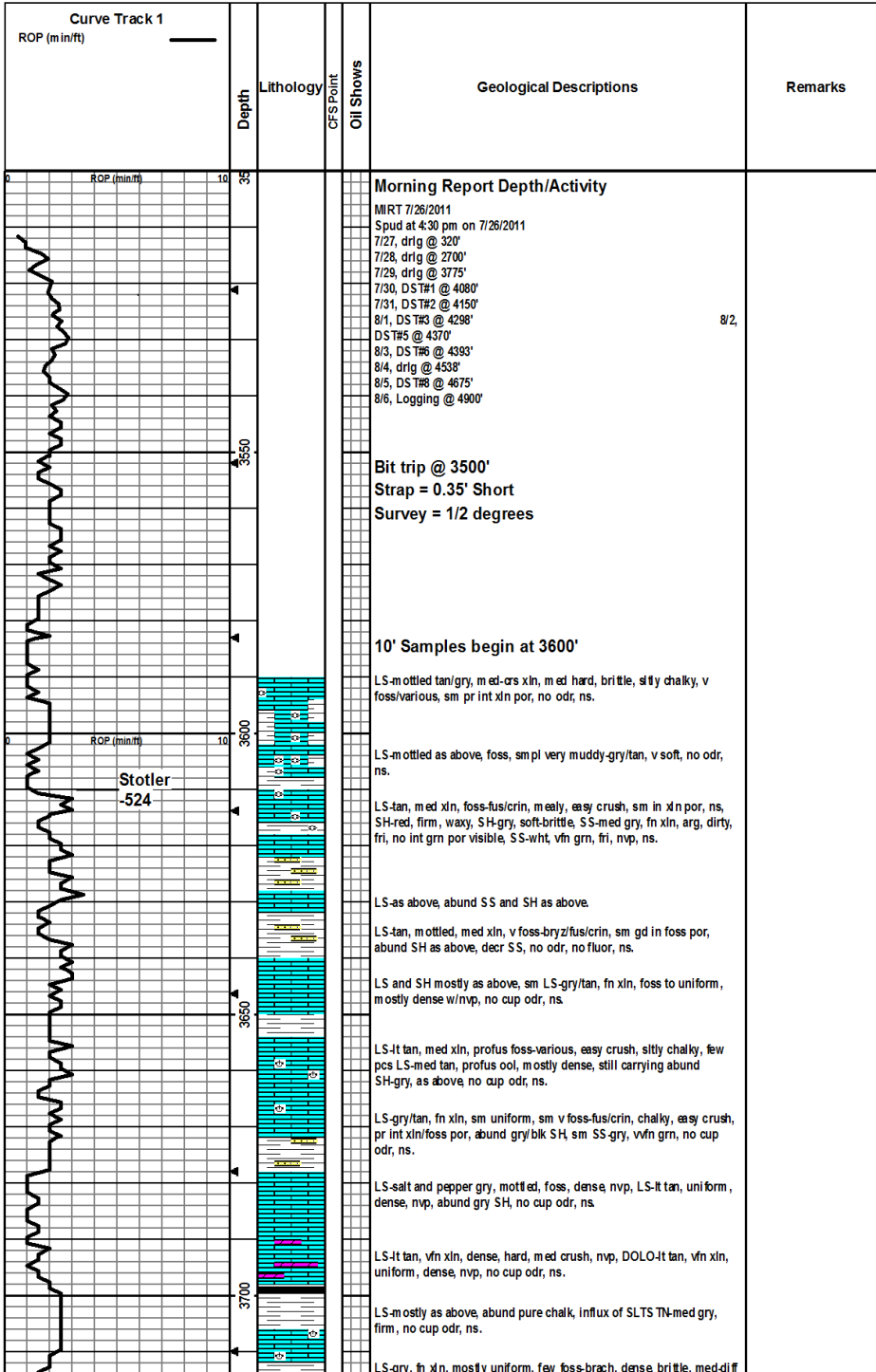
COMMENTS

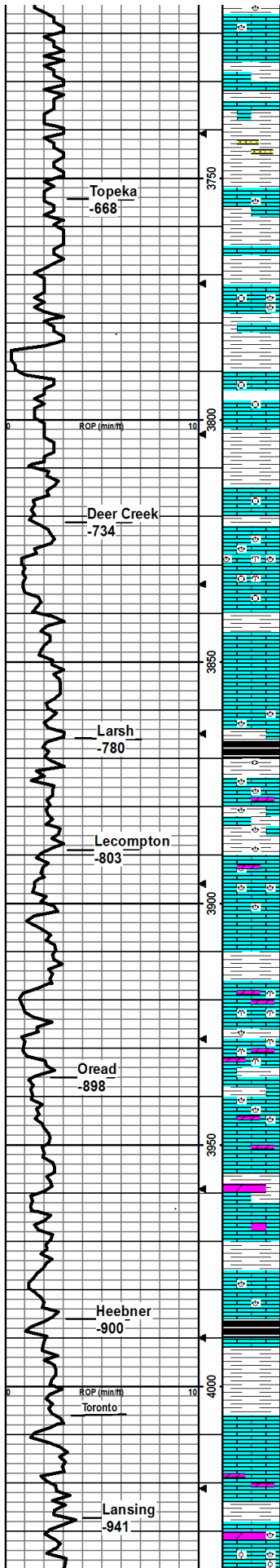
Contractor: Murfin Drilling Company Rig #22
Pusher: Kelly Wilson
Surface Casing: 8 5/8" set at 226'
Production Casing: 5 1/2" set at 4896', to further test the Swope, Hertha, Johnson, Atoka.
Mud by: MudCo
DST's by: Tribite Testing
Logs by: Weatherford (DIL, CN-CD, ML, SON, IMAGE)
RTD=4900'
LTD=4902'

FORMATION TOPS

FORMATION	SAMPLE TOPS		LOG TOPS	
	Depth	Datum	Depth	Datum
Stone Corral	2439'	+647	2439'	+647
B/Stone Corral	2457'	+629	2458'	+628
Heebner Shale	3986'	-900	3988'	-902
Lansing	4027'	-941	4030'	-944
Muncie Creek Shale	4200'	-1114	4198'	-1112

Stark Shale	4291'	-1205	4292'	-1206
Hushpuckney Shale	4334'	-1248	4334'	-1248
Marmaton	4404'	-1318	4409'	-1323
Little Osage Shale	4540'	-1454	4541'	-1445
Morrow	4696'	-1610	4698'	-1612
Mississippian	4743'	-1657	4743'	-1657
RTD	4900'	-1814		
LTD			4902'	-1816





crush, nvp, decr chalk, sm LS-med tan, med xln, foss, scat in foss por, no cup odr, ns.

LS-drk-med gry, vfn xln, v dense hard, nvp, sm LS-mottled/foss, as above, abund gry SH, no cup odr, ns.

LS and SH as above, no change.

LS-med-drk gry, vfn xln, foss-brach, v dense hard, brittle sm LS-tan, med xln, foss, abund drk gry SH, no cup odr, ns.

LS-gry, fn xln, foss-brach, mottled, dense, hard, nvp, ns. sm LS-tan, foss, as above, no cup odr, ns.

LS-mostly crm/lt tan, vfn xln, chalky, easy crush, abund gry blk SH, nvp, ns.

LS-drk-med gry, vfn xln, mostly uniform, rare foss-brach, rare pls, sm LS-lt tan, fn xln, v foss-fus/brach/crin, nvp, no cup odr, ns.

LS-med gry, fn xln, mostly hard/dense/uniform, sm foss-brach/bryz-fen, abund pure chalk, nvp, no cup odr, ns.

LS-crm-lt tan, fn xln, mostly dense, med crush, mostly uniform, few v foss-crin/brach, rare stylo w/drk stn along frac faces, cuts blu/gry, no cup odr, nsfo.

LS-gry/tan, fn xln, mostly dense/hard/uniform, few pcs foss, nvp, no cup odr, ns.

LS-mostly as above, sm LS-tan, fn-med xln, v foss-brach/crin, easy-med crush, sm pr int foss por, few pcs CHERT-drk tan, transl, no cup odr, no fluor, ns.

LS-crm-tan, fn xln, mostly dense/uniform, few pcs foss-various, sm LS-tan, med-crs xln, profus foss, pr-fr int xln/foss por, abund chalk, few pcs CHERT, abund drk gry SH, no cup odr, sm m in fluor, ns.

LS-mostly as above, incr LS-lt tan, crs xln, foss/mealy, fr int xln por, SH-drk gry, few pcs blk carb, no cup odr, ns.

LS-gry/tan, fn xln, dense/brittle, uniform, med-diff crush, sm DOLO-lt tan, fn xln, gd vug por, med crush, no cup odr, no fluor, ns.

LS-lt tan, fn-med xln, dense, diff crush, sm foss-brach, nvp, sm CHERT-gry, op-transl, foss, abund SH-blk/brn/red/grn, sm silty, no cup odr, ns.

LS-mostly as above, sm v foss/mealy w/fr int foss por, sm DOLO-lt tan, fn xln, dense w/nvp, SH's as above, no cup odr, ns.

LS-med-lt tan, med-crs xln, mostly profus foss-various, mealy, sm pr int foss por, brittle sm dolomitic, easy crush, abund pure chalk, abund SH-gry, silty, no cup odr, ns.

LS-lt tan/crm, med xln, v foss-brach/spic, mealy, grainy/silty, sm dolomitic, med crush, rare pr int foss por, decr chalk, sm CHERT-gry, transl, nvp, no cup odr, no fluor, ns.

SH-predom red, sm gry/blk, sm silty.

SH-red/brn, sandy, silty, sm anhy/gyp.

LS-crm/tan, med xln, sm v foss/ool-bryz/fus/crin, in foss/ool por filled w/calcite, sm DOLO-tan, pr vug por, abund SH-gry, silty, no cup odr, no fluor, ns.

LS-crm, fn xln, mostly dense, sm foss-various, med crush, abund DOLO-gry/tan, fn xln, dense/uniform, nvp, no cup odr, ns.

LS and DOLO as above, sm profus foss-bryz/crin/spic, mostly dense, sm por vug por, scat drk gry min stn along faces, no cup odr, nsfo.

LS-crm, med xln, foss-various, easy crush, grainy text, scat pr vug por, ns, DOLO-tan, fn xln, mostly dense rare pr vug por, sm chalk, abund red/brn SH's as above, abund SLTSTN-wht/gry w/sm anhy/gyp xls, no cup odr, ns.

LS-gry/crm, fn xln, sm foss as above, abund chalk, influx of LS-gry, mostly dense/uniform, void of foss, hard, brittle, abund SH's gry/red/brn, sm silty/grainy, no cup odr, scat chalky min fluor, ns.

LS and DOLO as above, scat pr int foss por, no cup odr, ns

smpl predom SH's, gry/drk gry/red/orn/brn, silty, some gyp xls, abund pyrite, sm LS-lt tan, med xln, foss, sm pr vug por, no cup odr, ns.

SH-blk, carb, fissile, waxy, abund in 4000 sm pl.

SH-predom gry, sm blk-not carb, abund red/orn, silty, no cup odr, ns.

LS-lt gry, fn xln, mostly dense/hard, med crush, sm chalky w/ easy crush, few pcs per tray w/vsfo, no cup odr.

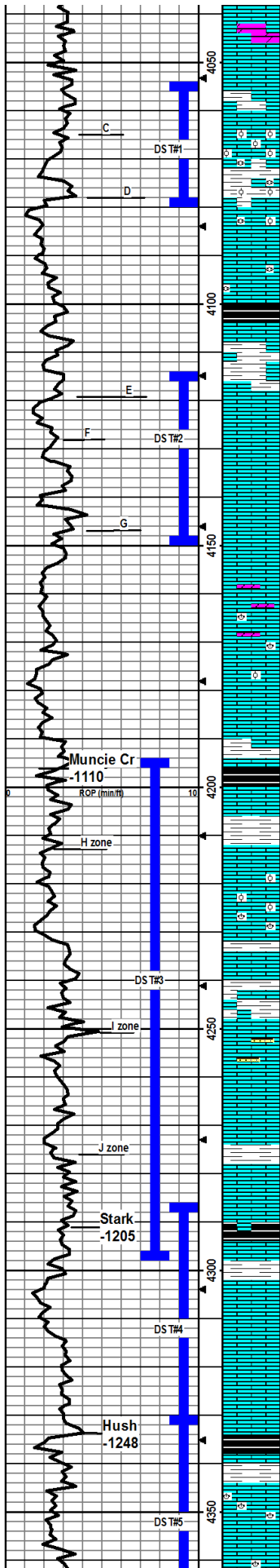
LS-lt gry, fn xln, mostly dense, chalky, 2-4 pcs per tray w/pr int xln por, vsfo, diff to break out of por, 1 pc w/pr pp/vug por w/vsfo, rare spotty stn, no fluor, no cup odr.

DOLO-predom gry, sm tan, fn xln, mostly dense/hard, diff crush, rare pr pp/vug por, sm CHERT-gry, opaque, sm LS-chalky, as above, nvp, no cup odr, no fluor, ns.

LS-crm, med-crs xln, foss, mealy, sm fr-gd int foss por, ns, abund DOLO-lt tan, med xln, sm dense/uniform, sm w/pr int xln por/gd vug por, abund CHERT-gry, sharp/fresh, opaque, no cup odr, ns.

Mudco: 3870'
 WE 9.2
 VIS: 55
 pH: 9.0
 Chl: 5k
 LCM: 3#

Samples poor, a lot of SH sluff, red/gry.



LS/DOLO as above, incr CHERT-predom wht fresh, opaque, foss, no cup odr, ns.

LS-ft crm, fn xln, mostly dense, brittle, med crush, uniform, slty chaly, 2-4 pcs per tray w/spoty fr vug por, rare large calcite rhombs w/trace in por, no cup odr, scat dul min fluor.

LS-crm, vln xln, dense/brittle, sm chaly, rare foss-brach, ooc stylo frags w/drk min stn, does not cut, scat dul yet fluor, abund SH-gry/blk, no cup odr, ns

LS-crm, fn xln, profus ool/foss-fus, brittle, easy-med crush, fr-gd int foss/ool por, gd sho med brn fo in al por, gd sat in many pcs per tray, wvk to no bleed on break, dull gold fluor, streaming pale cut, gd cup odr, wk odr on break, no gas bub, base of zone is LS-wht crm, fn xln, uniform, dense, nvp, gd cup odr.

SH-gry/grn, silty, flecks drk min.

LS-wht crm, fn xln, dense, brittle, uniform, abund pure chalk, rare pr pp/vug por, no cup odr, scat min (chalk) fluor, ns. LS-as above, decr chalk, rare foss-fus, one pc tan ool LS w/pr int ool por and vss drk fo-probably from C zone above. LS-as above, rare foss-fus, vchaly, no cup odr, ns.

SH-gry/brn. LS-crm, fn xln, rare foss-fus, mostly dense, uniform, rare pr pp/vug por, rare int xln por, rare trc drk fo will not break out of por, no cup odr.

LS-crm/wht, micro-fn xln, rare foss-fus, chaly, rare fr-gd pp/vug por-all barren, rare (2-3 pcs per tray) pr int xln por, rare trace of drk fo, abund SH-drk gry/brn/pur, sm silty, no cup odr.

LS-crm/wht, fn xln as above, mostly dense/uniform, chaly, few pcs per tray w/pr int xln por w/vsfo, will not break out. 2-3 pcs per tray w/pr-fr pp/int xln por w/vsfo, bleed on break, no odr, scat dul fluor, abund SH-gry/grn/pur/brn/orn, some silty.

LS-wht crm, micro-fn xln, dense, v chaly, rare foss-fus, few pcs per tray w/pr pp por w/vsfo, sm barren por, few stylo w/trc of fo in frags, abund pyrite, no cup odr, wk gold fluor in several pcs per tray, abund SH-gry/grn sm silty, rare congl.

LS-crm/lt gry, micro-fn xln, brittle sparry, dense, foss-brach/fus, chaly, rare pr int xln por, CHERT-gry, sharp, foss, opaque few pcs DOLO-t tan, fn xln, dense, hard, nvp, abund SH-gry/red/brn, sm congl, no cup odr, ns.

LS-gry, micro xln, foss, sm slty ool, sparry, dense, hard, brittle, nvp, no cup odr, ns. SH's as above, sm congl.

LS-mostly as above, few pcs crs xln, sparry, no cup odr, no fluor, ns.

LS-gry/crm, fn xln, sm crs xln, sparry, dense/hard, nvp, ns, smpl is predom SH-drk-med gry/brn/red, silty, few pos blk carb, abund pyrite, no cup odr.

LS and SH as above, smpl retruns poor, running in a tank of mud while drilling ahead.

sample returns are poor, mixing mud.

LS-wht crm, fn xln, mostly dense/uniform, sm chalk, sm sparry, rare pr int xln por, v rare fr-gd pp/vug por, vssfo, difficult to break out, gd sat even brn stn in drys, sm calcite filled frags, few pcs ool/foss-brach/fus, all int ool por filled w/calcite, nvp, ns.

LS-med tan, med xln, grainy, sm ool, sm chalk, rare pr fr int ool por as above w/vsfo, no cup odr, sm pl is predom gry SH.

Mix of SH's, gry/brn/red, sm silty, few SS clusters, rare pcs LS-crm, fn xln, ool w/pr-fr int ool, ss dark fo, no cup odr, no fluor.

smpls still poor, mixing mud, sm pl nearly all SH's-variou, few pcs LS-crm, fn xln, mostly uniform, rare pcs LS-crm, ool as above w/pr-fr int ool por, vssfo, no cup odr.

60smpl same as above, no pcs w/sho.

LS-crm/lt gry, fn xln, dense/brittle, mostly uniform, nvp, no cup odr, ns, smpls remain poor, predom SH's as above.

LS and SH as above, 4298 60min smpl-influx of abund SH-blk, carb, blocky, waxy.

LS-ft tan/gry, micro-fn xln, sm med xln/sparry, silty chaly, hard/brittle-soft/chaly, abund fr int xln por, sm pr-fr pp-vug por, average 50% sat, fr sho drk fo in many pcs per tray, patchy (50-75%) med brn stn in drys, gd cup odr, vdul gold fluor, streaming cut.

LS-gry/tan, fn xln, mostly dense, uniform, decr chalk, rare foss-spic, decr por and sfo as above, fr cup odr.

SH-blk, carb, abund in 4350 sample.

LS-tan-ft tan, sm crm, mostly fn xln, dense, hard, foss-brach, pr-fr int xln por, fr pp por, fr sfo in por, sm LS-brn, crs xln, sparry, fr-gd int xln por, fr sho drk fo in many pcs/sample, v string cup odr (petr and sulf), v string sample odr under heat of microscope, dul gold fluor, immed pale blu/wht streaming cut, patchy med brn stn in drys.

LS-dr. fn xln, uniform, rare foss-brach/spic, dense nvp, decr sholith.

DST#1
C zone
4055'-4080'
30-45-45-60
Rec:
240' WCM
180' MCW
IFP: 27-66#
FFP: 74-124#
SIP: 1086-1078#

Mudco: 4080'
 WT: 9.4
 VIS: 60
 pH: 10
 Chl: 6k
 LCM: 4

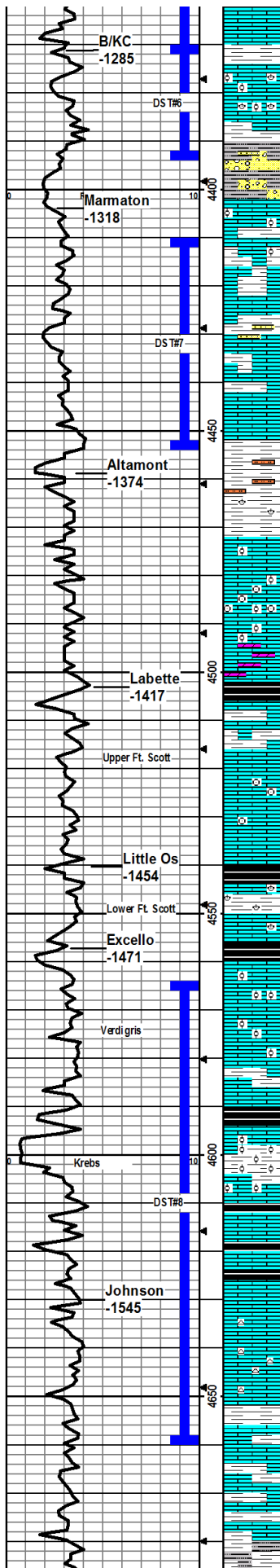
DST#2
E-F zone
4115'-4150'
30-45-45-60
Rec:
665' MCW
IFP: 42-186#
FFP: 202-314#
SIP: 1075-1050#

Mudco: 4170'
 WT: 9.4
 VIS: 60
 pH: 9.5
 Chl: 7.5k
 LCM: 3

Mudco: 4298'
 WT: 9.2
 VIS: 63
 pH: 11
 Chl: 5k
 LCM: 3

DST#4
Swope
4286'-4330'
30-45-30-60
Rec:
1550' TF
496' MCW
279' WCM
775' Wtr
IFP: 175-700#
FFP: 730-947#
SIP: 1124-1130#

DST#5
Hertha
4330'-4370'
30-45-60-90
Rec:
1395' TF
403' GIP
310' MCW
310' OCMW



strng cup odr, scat dul gold fluor.

LS-gr/tan, fn xln, rare foss, dense/hard, nvp, few pcs CHERT-gry, fresh, still carrying very strong cup odr, decr sho.

LS-crm/tan, mostly fn xln, dense, uniform, sm foss/ps/ool, sm LS-gry, crs xln w/fr-gd int xln por, few pcs per tray w/gd int foss/ool por w/med brn stn in por, sfo in several pos per tray, gd cup odr, dul gold fluor in several pcs/tray, brt blu/wht streaming cut, decr por and sho in base, few pcs DOLO-t tan, fn xln, hard, mostly dense/uniform, sm w/fr vug por, ns.

SS-It blu/gry, vfn grn, arg, nvp, ns, abund SH-predom gry, sm red, no cup odr.

LS-It brn, fn xln, ool/foss, dense, nvp, sm LS-tan, micro xln, dense, uniform, nvp, sm LS-It gry w/drkr gry inclus (foss?) stly chalky, rare int xln por, ns, few pcs w/patchy drk stn, does not cut, no cup odr, scat min fluor, ns.

SH-gry/blk, silty, sm red, waxy, no cup odr, ns.

SH-gry/drkr gry, sm brt orn, silty, mica, striated, silty, SS-It blu/gry, vfn grn, arg, nvp, no cup odr, ns.

SH-as above, gry/brn/orn, silty, sm SS-fn grn, dirty gry, arg, nvp, two small pcs LS-tan, fn xln, ool w/fr int ool por, vsfo, no cup odr, no fluor.

LS-crm/tan, micro-fn xln, ool in part, w/fr int ool por, ss drk fo, sm dense, stly foss, med crush, w/fr pp/vug por, sho med-drk fo in all por, breaks out of por, no cup odr, still carrying abund SH as above.

LS-gry, fn xln, dense, hard, uniform, nvp, no cup odr, ns.

SH-med-drkr gry, sm silty.

LS-tan, fn xln, mostly uniform, sm stly foss-brach, dense, brittle, nvp, no cup odr, ns.

LS-gry/tan, fn xln, mostly uniform, sm foss-brach, few chalky, one small pc ool w/pr int ool por, vsfo, no cup odr, no fluor.

LS-med-It tan, micro-fn xln, mostly uniform, hard, brittle, sm foss-vfoss/ool, sm chalky, few (3-4) pcs per tray w/pr int xln/foss por, vsfo-will not break out, 2-3 pcs per tray w/rare pr vug por and vsfo, wk bleed on break, scat v dull gold fluor, no cup odr, carrying much SH-gry/red/orn.

DOLO-t tan, fn xln, uniform, dense, vpr int xln, por, no cup odr, ns, LS-crm/tan, fn xln, foss, dense, nvp, ns.

SH-mostly drkr gry-med gry, abund blk/carb in 4530 sm pl, grainy, soft, flakey.

LS-gry, mostly fn xln, few micro xln, few crs xln, mostly uniform, sm foss, dense, nvp, no cup odr, ns.

LS-gry/orm, fn xln, as above, sm LS-gry, crs xln, flakey/mealy, chalky, sm pr int xln (chalky) por, one pc in two trays w/pr vug por vsfo, will not break out, no cup odr, sm dul min fluor.

LS-mostly as above, few pcs LS-gry, crs xln, w/gry or noidal inclus, stly chalky, vpr int xln por, no odr, sm min (calcite) fluor, ns.

SH-blk, carb.

LS-gry/lt tan, micro-fn xln, vfoss-crin/brach, dense, hard, sm chalk, 1-2pcs w/pr int xln por, vsfo, rare spot sat, no cup odr, no fluor, ns.

SH-blk, carb.

LS-mottled tan/brn/gry, med xln, vfoss-crin/brach, vhard, dense, grainy, sm LS-It tan, micro xln, ool, nvp, abund CHERT-gry/dr, transi-transp, fresh, no cup odr, no fluor, ns.

LS-mostly as above, influx of LS-It gry, fn xln, ool/foss, pr int xln por, rare int foss por, sft sho drkr brn fo in several pcs/tray, no cup odr, scat dul fluor, streaming blu/wht cut, CHERT-as above, foss-fus.

SH-gry/brn/red, waxy, soft, sm silty, sm blk, carb.

Mostly SH-red/brn, v soft.

LS-gry, fn xln, uniform, dense, hard, nvp, no fluor, ns, LS-med tan, micro xln, profus ool, dense, nvp, dul min fluor, no cup odr, ns.

SH-blk, carb.

SH-blk, carb.

LS-It tan, vfn xln, vdense, hard, brittle, spotty pp/vug por, ss med brn fo, no cup odr, spotty dul fluor.

SH-gry.

LS-It tan, vfn xln, mostly uniform, scat pr vug por, rare frags, patchy stn, no cup odr, blu/wht streaming cut, vsfo in few pcs per tray, difficult to break out of por.

LS-It tan, vfn-fn xln, dense, mostly uniform, rare foss, scat pr pp por, rare fr vug por, ssfo, patchy med brn stn in dry, abund CHERT-gry/tan, transi, fresh, quest cup odr.

Predom SH-med-drkr gry, sandy/silty, sm congl, mostly hard/brittle, waxy, sm LS-drkr tan, fn xln, ool/foss, dense, rare int xln por, rare int foss/ool por, one pc w/vsfo (maybe from above), no cup odr, scat dul fluor.

SH-gry's.

Mix of SH's and LS's mostly as above, influx of LS-mottled tan, micro xln, profus ool w/scat pr-fr int ool por, ssfo in all por, few tiny gas bub on break, fnt odr on break, vfrt cup odr, no fluor.

240 GOCMV
186' GOCMV
341' MWCGO
IFP: 82-343#
FFP: 358-582#
SIP: 1173-1184#

DST#6
Pleasanton
4370'-4393'
30-45-30-90
Rec:
1096' GIP
2004' GO
124' MCW
IFP: 172-620#
FFP: 652-873#
SIP: 1235-1247#

DST#7
Lenapah
4410'-4453'
30-30-10-Out
Rec:
3' Mud
IFP: 34-26#
FFP: 28-26#
SIP: 41-N/A#

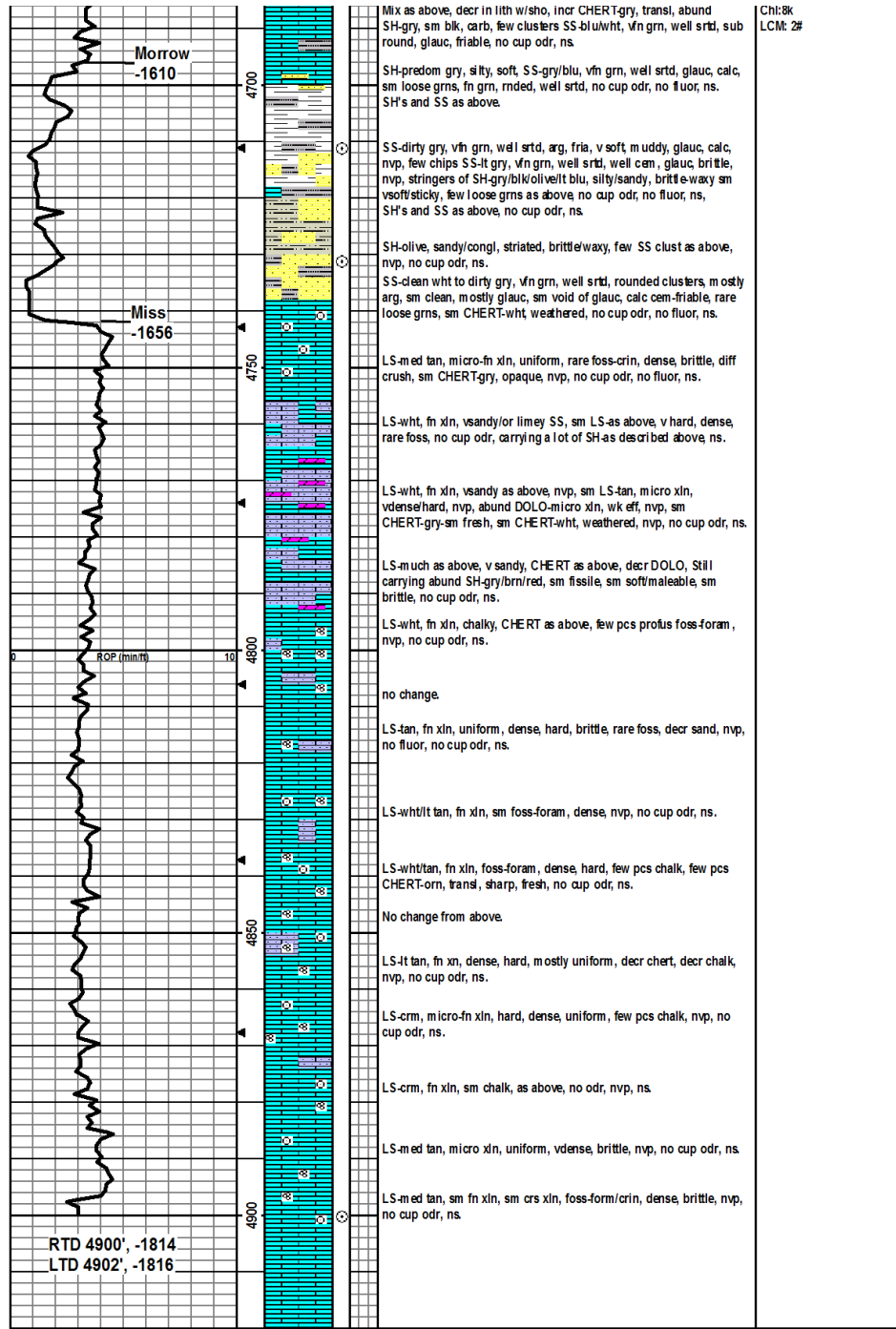
Mudco: 4370'
WT: 9.2
VIS: 60
pH: 10
Chl: 7.5k
LCM: 3

Mudco: 4398'
WT: 9.2
VIS: 68
pH: 9
Chl: 9.8k
LCM: 2

Mudco: 4576'
WT: 9.3
VIS: 64
pH: 11
Chl: 7.7k
LCM: 2

DST#8
Johnson
4565'-4660'
30-45-60-90
Rec:
992' GIP
50' GOCM
310' MCGO
IFP: 46-111#
FFP: 110-160#
SIP: 1130-1109#

Mudco: 4684'
WT: 9.1
VIS: 40
pH: 10



ALLIED CEMENTING CO., LLC. 039996

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Oakley, KS

DATE <u>7/26/11</u>	SEC. <u>16</u>	TWP. <u>16</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00p</u>	JOB FINISH <u>9:30p</u>
LEASE <u>DB Y</u>	WELL # <u>1-16</u>	LOCATION <u>Scott Lake w/ on Ponce Rd</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			4 miles N = center				

CONTRACTOR Murfin 22

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 228

CASING SIZE 8 5/8 DEPTH 228

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 13-5081 bbl

OWNER Same

CEMENT AMOUNT ORDERED 175 Com 390CC 299gal

COMMON	<u>175</u>	@	<u>16.25</u>	<u>2843.75</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>6</u>	@	<u>58.20</u>	<u>349.20</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>184</u>	@	<u>2.25</u>	<u>414.00</u>
MILEAGE/145K/mile				<u>769.12</u>
TOTAL				<u>4439.92</u>

EQUIPMENT

PUMP TRUCK CEMENTER Alan

422 HELPER Wayne

BULK TRUCK

396 DRIVER Chris

BULK TRUCK

_____ DRIVER _____

REMARKS:

Run log, Circulate, Mix cement
Displace cement.

Cement did Circulate

Thank You
Alan, Wayne, Chris

CHARGE TO: Grand Mesa

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 1125.00

EXTRA FOOTAGE @ _____

MILEAGE 38 x 2 @ _____ 532.00

MANIFOLD @ _____ 200.00

Lite vehicle 38 x 2 @ _____ 304.00

TOTAL 2161.00

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 Kelly Wilson

SIGNATURE Kelly Wilson

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

JOB LOG

SWIFT Services, Inc.

DATE 6 AUG 11 PAGE NO.

CUSTOMER GRAND MESA WELL NO. LEASE DBY 1-16 JOB TYPE 5 1/2 LONGSTRING TICKET NO. 22179

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2015							ON LOCATION
	2320							START PIPE 5 1/2" 15.5# PRTD @ 4874 SHOEJOINT 21.00' CENTRALIZERS 1,3,7,10,14,15,58 BASKETS 3,59 DV JOINT #59 @ 2467
	0146							CIRCULATE
	0216	6	12	✓	✓	200		Pump 500 gal mud FLUSH
	0218	6	20		✓	200		Pump 20 Bbl KCL SPACER
	0225	4	42		✓			MIX 175sx EA2
	0238							WASH OUT PUMPING LINES
	0241	6			✓			RELEASE PLUG START DISPLACEMENT
	0300	Ø	116		✓	1500		PLUG DOWN PRESSURE UP LATCH PLUG IN
	0302							RELEASE PRESSURE - DRY
	0303							WASH TRUCK
	0304							DROP DV OPENING TOOL
	0315				✓	1100		OPEN DV - CIRCULATE
	0410	6	20		✓	200		Pump 20 Bbl KCL SPACER
	0415		7.5		✓			PLUG RA-MA (30sx-20sx)
	0419	5	138		✓	100		MIX 250 SX SMD
	0453	6			✓			RELEASE PLUG START DISPLACEMENT
	0504		59		✓	1500		PLUG DOWN PRESSURE UP CLOSE DV
	0506				✓			RELEASE PRESSURE DRY
	0508							WASH TRUCK CIRCULATED CEMENT TO SURFACE 40SX
	0545							JOB COMPLETE
								THANKS #110
								JASON JEFF LANE ROTB

Acidizing Report

PRO-STIM CHEMICALS

Date: 8-23-11

Customer: <i>Grand Mesa</i>	Pro-Stim Chemical Yard: <i>Ogden</i>	Pro-Stim Number: <i>A6 56199</i>
Well Name & Number: <i>SBY 1-16</i>	Field: <i>Ogden</i>	Formation: <i>Spot</i>
County: <i>Scott</i>	State: <i>KS</i>	BHT: <i>9665-77</i>

Well Type: Completion Recompletion Workover Oil Gas Water Disposal Perf OH

Job Pumped Via: Tubing <input type="checkbox"/> Casing <input type="checkbox"/> Annulus <input type="checkbox"/> CTU <input type="checkbox"/> Combination <input type="checkbox"/>	Plug Depth	Packer Depth: <i>4625</i>
Casing Size: GRD WT Depth	Tubing Size: <i>2 7/8</i>	GRD WT Spot: <i>No Fluid in hole</i>
Casing Vol.	Tbg Vol: <i>26.8</i>	Ann Vol
Maximum Pressure	Tubing	Casing
	Proposed Pump Time	AOL
		Leave Loc

Special Instructions:

Treatment Record

Time	Type Fluid	Rate BMP	Increment Vol Bbls	Cum Vol Bbls	Pressure		Observations
					Tubing	Casing	
							Safety Meeting
							Prs Test to _____ psi
<i>1</i>	<i>Acid</i>	<i>1.9</i>		<i>2.2</i>	<i>10</i>		<i>Acid</i>
<i>4</i>	<i>Acid</i>	<i>2.5</i>		<i>10.0</i>	<i>10</i>		<i>Acid Gone</i>
<i>5</i>	<i>Flush</i>	<i>2.5</i>		<i>11</i>	<i>10</i>		<i>Flush Started</i>
<i>12</i>	<i>Flush</i>	<i>0</i>		<i>26.9</i>	<i>30</i>		<i>loaded</i>
<i>14</i>	<i>Flush</i>	<i>0</i>		<i>27.1</i>	<i>500</i>		
<i>25</i>	<i>Flush</i>	<i>.1</i>		<i>27.4</i>	<i>800</i>		
<i>45</i>	<i>Flush</i>	<i>.3</i>		<i>28.6</i>	<i>600</i>		
<i>47</i>	<i>Flush</i>	<i>.5</i>		<i>29.4</i>	<i>580</i>		
<i>48</i>	<i>Flush</i>	<i>1</i>		<i>30.2</i>	<i>510</i>		
<i>50</i>	<i>Flush</i>	<i>2.0</i>		<i>32.6</i>	<i>560</i>		
<i>53</i>	<i>Flush</i>	<i>2.0</i>		<i>38</i>	<i>560</i>		<i>Done</i>

Treatment Synopsis

Avg Inj Rate	Fluid BPM	Total Injected	H2O <i>28</i>	Acid <i>10</i>	Oil
Treating Prs.	Max <i>500</i>	Final <i>560</i>	Avg. <i>750</i>	ISIP <i>470</i>	5'SI <i>340</i> 10'SI <i>270</i> 15'SI <i>180</i>
Customer Representative	<i>John A. Fisher</i>		Pro-Stim Supervisor	<i>Shannon M.</i>	

Pro-Stim Chemicals, LLC

P.O. Box 25
Cheyenne Wells, CO 80810

SEP - 6 2011

Invoice

Date	Invoice #
8/30/2011	56199

Bill To
Grand Mesa Operating Co. 1700 N. Waterfront Pkwy - Bldg 600 Wichita, KS 67206-6614

Ship To

Requested By	Terms	Sales Rep.	Ship	Lease
	Net 30	S M	8/23/2011	DBY 1-16

Quantity	Item Code	Description	Price Each	Amount
400	15% HCl ACID	GALLONS	1.28	512.00
13	S-3000	GALLONS	22.02	286.26
6	RENAB	GALLONS	16.72	100.32
2	AR-630	GALLONS	24.10	48.20
2	S-262	GALLONS	13.42	26.84
2	AC-307	GALLONS	17.39	34.78
1	AI-150	GALLONS	18.83	18.83
28	KCL BIOCID - 2%	BRLS	3.16	88.48
1	DUMP JOB		158.00	158.00T
3	TRUCK TIME	HOURS	95.00	285.00T
		Sales Tax - SCOTT CO.	8.30%	36.77

			Total	\$1,595.48
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Phone #	Fax #	E-mail
719-767-8071	719-767-5925	prostim@hotmail.com

PD

Acidizing Report

PRO-STIM CHEMICALS

Date 8-24-11

Customer <u>Grand Mesa</u>		Pro-Stim Chemical Yard <u>High Ten</u>		Pro-Stim Number <u>56211</u>	
Well Name & Number <u>DBY 1-16</u>		Field		Formation <u>Spot</u>	
County <u>Scott</u>	State <u>KS</u>	BHT	YD	Interval <u>4665 - 4677</u>	

Well Type: Completion Recompletion Workover Oil Gas Water Disposal Perf OH

Job Pumped Via: Tubing <input type="checkbox"/> Casing <input type="checkbox"/> Annulus <input type="checkbox"/> CTU <input type="checkbox"/> Combination <input type="checkbox"/>				Plug Depth		Packer Depth	
Casing Size:	GRD	WT	Depth	Tubing Size:	GRD	WT	Spot
Casing Vol.	Tbg Vol		Ann Vol	OH Vol	Total Displacement		
Maximum Pressure	Tubing		Casing	Proposed Pump Time	AOL	Leave Loc	

Special Instructions:

Treatment Record

Time	Type Fluid	Rate BMP	Increment Vol Bbls	Cum Vol Bbls	Pressure		Observations
					Tubing	Casing	
							Safety Meeting
							Prs Test to _____ psi
1	Acid	2.2		2.3	0		
8	Acid	2.2		19	0		Acid Gone
10	Flush	2.0		22	10		
14	Flush	3.0		32.7	20		
16	Flush	2.8		38.3	700		
18	Flush	2.8		42.5	800		
20	Flush	2.8		47	800		Done

Treatment Synopsis

Avg Inj Rate	Fluid BPM	Total Injected	H2O <u>28</u>	Acid <u>19</u>	Oil	25 min. to 0 PSI	
Treating Prs.	Max <u>800</u>	Final <u>800</u>	Avg. <u>800</u>	ISIP <u>600</u>	5'SI <u>400</u>		10'SI <u>250</u>
Customer Representative	<u>John A. Johnson</u>			Pro-Stim Supervisor	<u>Shanna M.</u>		

SEP - 6 2011

Pro-Stim Chemicals, LLC

P.O. Box 25
 Cheyenne Wells, CO 80810

Invoice

Date	Invoice #
8/31/2011	56211

Bill To
Grand Mesa Operating Co. 1700 N. Waterfront Pkwy - Bldg 600 Wichita, KS 67206-6614

Ship To

Requested By	Terms	Sales Rep.	Ship	Lease
	Net 30	S M	8/24/2011	DBY 1-16

Quantity	Item Code	Description	Price Each	Amount
800	RWR-1 15%	GALLONS	2.26	1,808.00
28	4% KCL	BRLS	3.26	91.28
1	DUMP JOB		158.00	158.00T
3	TRUCK TIME	HOURS	95.00	285.00T
		Sales Tax - SCOTT CO.	8.30%	36.77

			Total	\$2,379.05
--	--	--	--------------	------------

Phone #	Fax #	E-mail
719-767-8071	719-767-5925	prostim@hotmail.com

Handwritten initials/signature

Acidizing Report

PRO-STIM CHEMICALS

Date 8-29-11

Customer <u>Grand Mesa</u>	Pro-Stim Chemical Yard <u>Dighton</u>	Pro-Stim Number <u>A6 56523</u>
Well Name & Number <u>DBY 1-16</u>	Field	Formation <u>Spot</u>
County <u>Scott</u> State <u>KS</u>	BHT	YD
Interval <u>4650-4654</u>		

Well Type: Completion Recompletion Workover Oil Gas Water Disposal Perf OH

Job Pumped Via: Tubing <input type="checkbox"/> Casing <input type="checkbox"/> Annulus <input type="checkbox"/> CTU <input type="checkbox"/> Combination <input type="checkbox"/>	Plug Depth	Packer Depth <u>4626</u>
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Casing Size: <u>5 1/2</u>	GRD	WT	Depth	Tubing Size:	GRD	WT	Spot <u>9.5 brl</u>
Casing Vol.	Tbg Vol	Ann Vol	OH Vol	Total Displacement			
Maximum Pressure	Tubing <u>2 7/8</u>	Casing	Proposed Pump Time	AOL	Leave Loc		

Special Instructions:

3400 Trapped Fluid

Treatment Record

Time	Type Fluid	Rate BMP	Increment Vol Bbbls	Cum Vol Bbbls	Pressure		Observations
					Tubing	Casing	
							Safety Meeting
							Prs Test to _____ psi
<u>1</u>	<u>Acid</u>	<u>2.2</u>		<u>2.0</u>	<u>0</u>		
<u>3</u>	<u>Acid</u>	<u>2.2</u>		<u>6</u>	<u>0</u>		<u>Acid Cone</u>
<u>4</u>	<u>Flush</u>	<u>2.2</u>		<u>9.5</u>	<u>0</u>		<u>Spot</u> <u>wait 10 min</u>
<u>17</u>	<u>Flush</u>	<u>2.2</u>		<u>10.2</u>	<u>0</u>		
<u>26</u>	<u>"</u>	<u>2.2</u>		<u>29.8</u>	<u>0</u>		
<u>28</u>	<u>"</u>	<u>2.2</u>		<u>35</u>	<u>0</u>		<u>Done</u>

Treatment Synopsis

Avg Inj Rate	Fluid BPM	Total Injected		H2O <u>29 brl</u>	Acid <u>250 gal</u>	Oil	
Treating Prs.	Max <u>0</u>	Final <u>0</u>	Avg. <u>0</u>	ISIP <u>0</u>	5'SI	10'SI	15'SI
Customer Representative	<u>John A. Swales</u>			Pro-Stim Supervisor	<u>Shannon M.</u>		

Pro-Stim Chemicals, LLC

SEP 12 2011

Invoice

P.O. Box 25
Cheyenne Wells, CO 80810

Date	Invoice #
8/31/2011	56523

Bill To
Grand Mesa Operating Co. 1700 N. Waterfront Pkwy - Bldg 600 Wichita, KS 67206-6614

Ship To

Requested By	Terms	Sales Rep.	Ship	Lease
	Net 30	S M	8/29/2011	DBY 1-16

Quantity	Item Code	Description	Price Each	Amount
250	RWR-1 15%	GALLONS	2.26	565.00
1	AR-630	GALLONS	24.10	24.10
4	RENAB	GALLONS	16.72	66.88
29	KCL BIOCID - 2%	BRLS	3.16	91.64
1	DUMP JOB		158.00	158.00T
3	TRUCK TIME	HOURS	95.00	285.00T
		Sales Tax - SCOTT CO.	8.30%	36.77

			Total	\$1,227.39
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Phone #	Fax #	E-mail
719-767-8071	719-767-5925	prostim@hotmail.com

Acidizing Report

PRO-STIM CHEMICALS

Date: 8-29-11

Customer Grand Mesa	Pro-Stim Chemical Yard	Pro-Stim Number A6 56525
Well Name & Number DBY 1-16	Field Dighton	Formation Spot
County Scott	State KS	BHT YD Interval 4650-4654

Well Type: Completion Recompletion Workover Oil Gas Water Disposal Perf OH

Job Pumped Via: Tubing <input type="checkbox"/> Casing <input type="checkbox"/> Annulus <input type="checkbox"/> CTU <input type="checkbox"/> Combination <input type="checkbox"/>	Plug Depth	Packer Depth 4626
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Casing Size: 5 1/2	GRD	WT	Depth	Tubing Size:	GRD	WT	Spot NO
Casing Vol.	Tbg Vol	Ann Vol	OH Vol	Total Displacement			
Maximum Pressure	Tubing 2 7/8	Casing	Proposed Pump Time	AOL	Leave Loc		

Special Instructions:

Treatment Record

Time	Type Fluid	Rate BMP	Increment Vol Bbls	Cum Vol Bbls	Pressure		Observations
					Tubing	Casing	
							Safety Meeting
							Prs Test to _____ psi
1	Acid	2.5		3.0	0		
9	Acid	2.6		23.8	0		Acid Cone
11	Flush	2.6		29.1	0		
13	Flush	3.2		44	0		
18	Flush	3.8		51	0		Done

Treatment Synopsis

Avg Inj Rate	Fluid BPM	Total Injected	H2O 27	Acid 24	Oil
Treating Prs.	Max <input type="checkbox"/>	Final <input checked="" type="checkbox"/>	Avg. <input type="checkbox"/>	ISIP 0	5'SI 10'SI 15'SI
Customer Representative	Sub J Johnson			Pro-Stim Supervisor	Shannon M.

Pro-Stim Chemicals, LLC

P.O. Box 25
Cheyenne Wells, CO 80810

SEP 12 2011

Invoice

Date	Invoice #
8/31/2011	56525

Bill To
Grand Mesa Operating Co. 1700 N. Waterfront Pkwy - Bldg 600 Wichita, KS 67206-6614

Ship To

Requested By	Terms	Sales Rep.	Ship	Lease
	Net 30	S M	8/29/2011	DBY 1-16

Quantity	Item Code	Description	Price Each	Amount
1,000	RWR-1 15%	GALLONS	2.26	2,260.00
3	AR-630	GALLONS	24.10	72.30
27	KCL BIOCIDES - 2%	BRLS	3.16	85.32
1	DUMP JOB		158.00	158.00T
2.5	TRUCK TIME	HOURS	95.00	237.50T
		Sales Tax - SCOTT CO.	8.30%	32.83

			Total	\$2,845.95
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Phone #	Fax #	E-mail
719-767-8071	719-767-5925	prostim@hotmail.com



Acidizing Report

PRO-STIM CHEMICALS

Date 9-1-11

Customer <u>Grand Mesa</u>	Pro-Stim Chemical Yard <u>Dighton</u>	Pro-Stim Number <u>A6 56647</u>
Well Name & Number <u>DB41-16</u>	Field	Formation <u>Spot</u>
County <u>Scott</u> State <u>KS</u>	BHT	YD
		Interval <u>4632-4635</u>

Well Type: Completion Recompletion Workover Oil Gas Water Disposal Perf OH

Job Pumped Via: Tubing <input type="checkbox"/> Casing <input type="checkbox"/> Annulus <input type="checkbox"/> CTU <input type="checkbox"/> Combination <input type="checkbox"/>	Plug Depth	Packer Depth <u>4600</u>					
Casing Size:	GRD	WT	Depth	Tubing Size: <u>2 7/8</u>	GRD	WT	Spot
Casing Vol.	Tbg Vol <u>26.68</u>	Ann Vol	OH Vol	Total Displacement			
Maximum Pressure	Tubing	Casing	Proposed Pump Time	AOL	Leave Loc		

Special Instructions:

Treatment Record

Time	Type Fluid	Rate BMP	Increment Vol Bbls	Cum Vol Bbls	Pressure		Observations
					Tubing	Casing	
							Safety Meeting
							Prs Test to _____ psi
<u>1</u>	<u>Acid</u>	<u>2.2</u>		<u>2.0</u>	<u>0</u>		
<u>3</u>	<u>Acid</u>	<u>2.2</u>		<u>6.0</u>	<u>0</u>		<u>Acid Gone</u>
<u>4</u>	<u>Flush</u>	<u>2.2</u>		<u>7.9</u>	<u>0</u>		
<u>16</u>	<u>Flush</u>	<u>2.2</u>		<u>35</u>	<u>0</u>		<u>Done</u>

Treatment Synopsis

Avg Inj Rate	Fluid BPM	Total Injected	H2O <u>29 bbl</u>	Acid <u>6 bbl.</u>	Oil
Treating Prs.	Max <input type="checkbox"/>	Final <input type="checkbox"/>	Avg. <input type="checkbox"/>	ISIP <input type="checkbox"/>	5'SI <input type="checkbox"/> 10'SI <input type="checkbox"/> 15' SI <input type="checkbox"/>
Customer Representative	<u>[Signature]</u>			Pro-Stim Supervisor	<u>Shannon M.</u>

Pro-Stim Chemicals, LLC

SEP 26 2011

Invoice

P.O. Box 25
 Cheyenne Wells, CO 80810

Date	Invoice #
9/14/2011	56647

Bill To
Grand Mesa Operating Co. 1700 N. Waterfront Pkwy - Bldg 600 Wichita, KS 67206-6614

Ship To

Requested By	Terms	Sales Rep.	Ship	Lease
	Net 30	S M	9/1/2011	DBY 1-16

Quantity	Item Code	Description	Price Each	Amount
250	RWR-1 15%	GALLONS	2.26	565.00
5	RENAB	GALLONS	16.72	83.60
29	KCL BIOCID - 2%	BRLS	3.16	91.64
1	DUMP JOB		158.00	158.00T
2.5	TRUCK TIME	HOURS	95.00	237.50T
		Sales Tax - SCOTT CO.	8.30%	32.83

			Total	\$1,168.57
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Phone #	Fax #	E-mail
719-767-8071	719-767-5925	prostim@hotmail.com