



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1075974
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

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
- Plug Back Conv. to GSW Conv. to Producer
- 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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

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

1075974

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	A-K 1-25
Doc ID	1075974

All Electric Logs Run

CPDCN Micro Log
AI Shallow Focused Log
Micro Log
Dual Receiver Cement Bond Log

Form	ACO1 - Well Completion
Operator	Grand Mesa Operating Company
Well Name	A-K 1-25
Doc ID	1075974

Tops

Name	Top	Datum
Stone Corral	2532	+489
Bs/Stone Corral	2556	+465
Heebner	4002	-981
Lansing	4042	-1021
Muncie Creek	4188	-1167
Stark	4275	-1254
Marmaton	4370	-1349
Excello	4527	-1506
Mississippian	4646	-1625
LTD	4744	



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Co.
 1700 N Waterfront Pkwy
 Bldg 600
 Wichita, Ks 67206
 ATTN: John Glodsmith

25 12s 32w Logan, Ks

#1-25 A-K

Job Ticket: 44410

DST#: 1

Test Start: 2012.01.18 @ 19:58:00

GENERAL INFORMATION:

Formation: **LKC - A**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:56:45
 Time Test Ended: 03:39:00
 Interval: **4030.00 ft (KB) To 4060.00 ft (KB) (TVD)**
 Total Depth: 4060.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bradley Walter
 Unit No: 40
 Reference Elevations: 3021.00 ft (KB)
 3016.00 ft (CF)
 KB to GR/CF: 5.00 ft

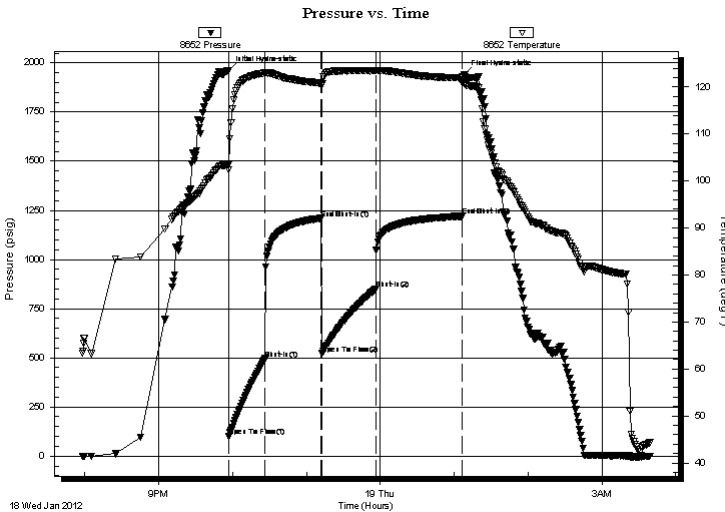
Serial #: 8652

Inside

Press @ Run Depth: 850.33 psig @ 4031.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.18 End Date: 2012.01.19 Last Calib.: 2012.01.19
 Start Time: 19:58:05 End Time: 03:38:59 Time On Btm: 2012.01.18 @ 21:56:30
 Time Off Btm: 2012.01.19 @ 01:08:15

TEST COMMENT: IF: BOB @ 4 minutes.
 IS: No return.
 FF: BOB @ 5 minutes.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1961.43	103.56	Initial Hydro-static
1	98.16	102.42	Open To Flow (1)
30	495.26	122.95	Shut-In(1)
76	1208.83	120.83	End Shut-In(1)
76	520.26	120.51	Open To Flow (2)
120	850.33	123.51	Shut-In(2)
190	1220.30	121.95	End Shut-In(2)
192	1939.93	120.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1610.00	smcw 3m 97w	15.42
170.00	mcw 15m 85w (oil scum)	1.69

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

25 12s 32w Logan, Ks

1700 N Waterfront Pkwy
Bldg 600
Wichita, Ks 67206
ATTN: John Glodsmith

#1-25 A-K

Job Ticket: 44410

DST#: 1

Test Start: 2012.01.18 @ 19:58:00

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:

57000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1610.00	smcw 3m 97w	15.417
170.00	mcw 15m 85w (oil scum)	1.691

Total Length: 1780.00 ft Total Volume: 17.108 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

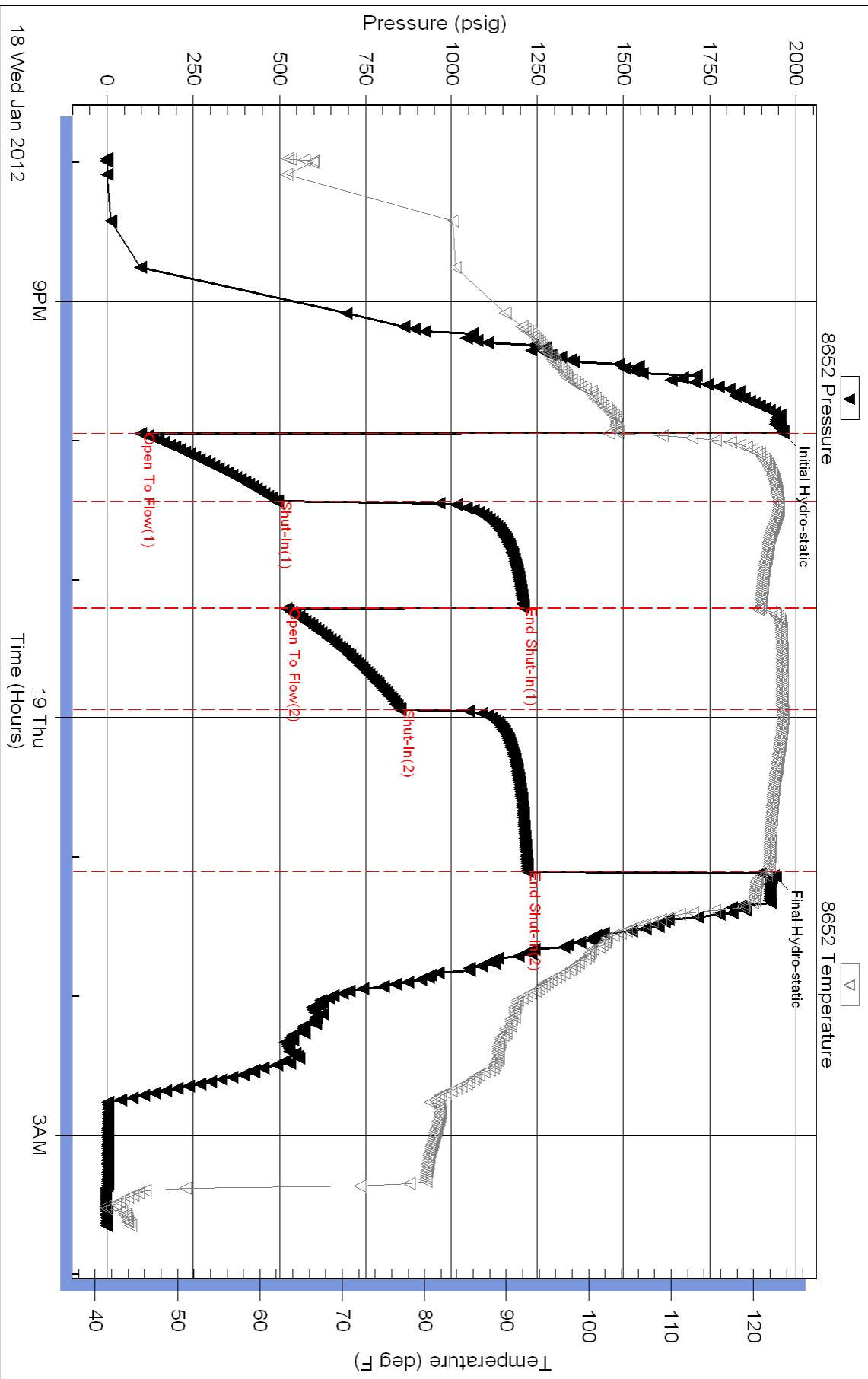
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .190 @ 50F = 57,000ppm

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Co.
 1700 N Waterfront Pkwy
 Bldg 600
 Wichita, Ks 67206
 ATTN: John Glodsmith

25 12s 32w Logan, Ks

#1-25 A-K

Job Ticket: 44411

DST#: 2

Test Start: 2012.01.19 @ 13:48:00

GENERAL INFORMATION:

Formation: **LKC - E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:44:00
 Time Test Ended: 19:35:00
 Interval: **4102.00 ft (KB) To 4125.00 ft (KB) (TVD)**
 Total Depth: 4125.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 40
 Reference Elevations: 3021.00 ft (KB)
 3016.00 ft (CF)
 KB to GR/CF: 5.00 ft

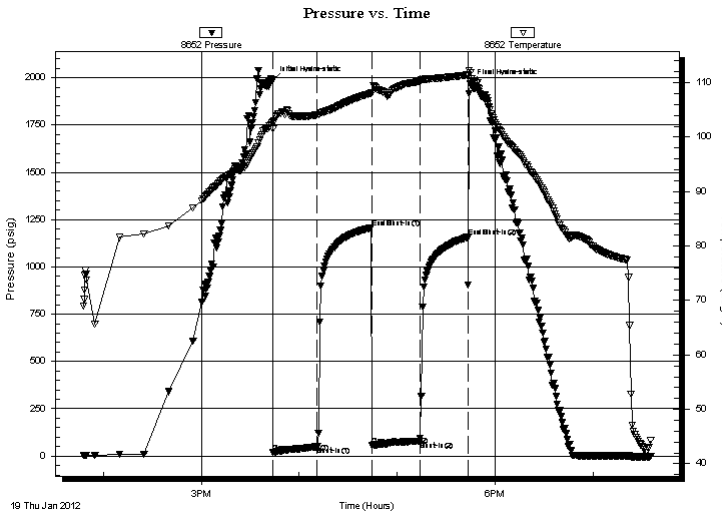
Serial #: 8652

Inside

Press @ Run Depth: 79.32 psig @ 4103.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.19 End Date: 2012.01.19 Last Calib.: 2012.01.19
 Start Time: 13:48:05 End Time: 19:34:59 Time On Btm: 2012.01.19 @ 15:43:45
 Time Off Btm: 2012.01.19 @ 17:44:45

TEST COMMENT: IF: 1" blow.
 IS: No return.
 FF: 1/2" blow.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1987.39	102.83	Initial Hydro-static
1	18.88	101.62	Open To Flow (1)
28	51.17	104.11	Shut-In(1)
61	1207.11	108.09	End Shut-In(1)
61	58.46	108.18	Open To Flow (2)
90	79.32	110.32	Shut-In(2)
120	1156.91	111.42	End Shut-In(2)
121	1970.19	111.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	mcw 50m 50w (oil spots)	0.69

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

25 12s 32w Logan, Ks

1700 N Waterfront Pkwy
Bldg 600
Wichita, Ks 67206
ATTN: John Glodsmith

#1-25 A-K

Job Ticket: 44411

DST#: 2

Test Start: 2012.01.19 @ 13:48:00

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:

49000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	mcw 50m 50w (oil spots)	0.695

Total Length: 130.00 ft Total Volume: 0.695 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

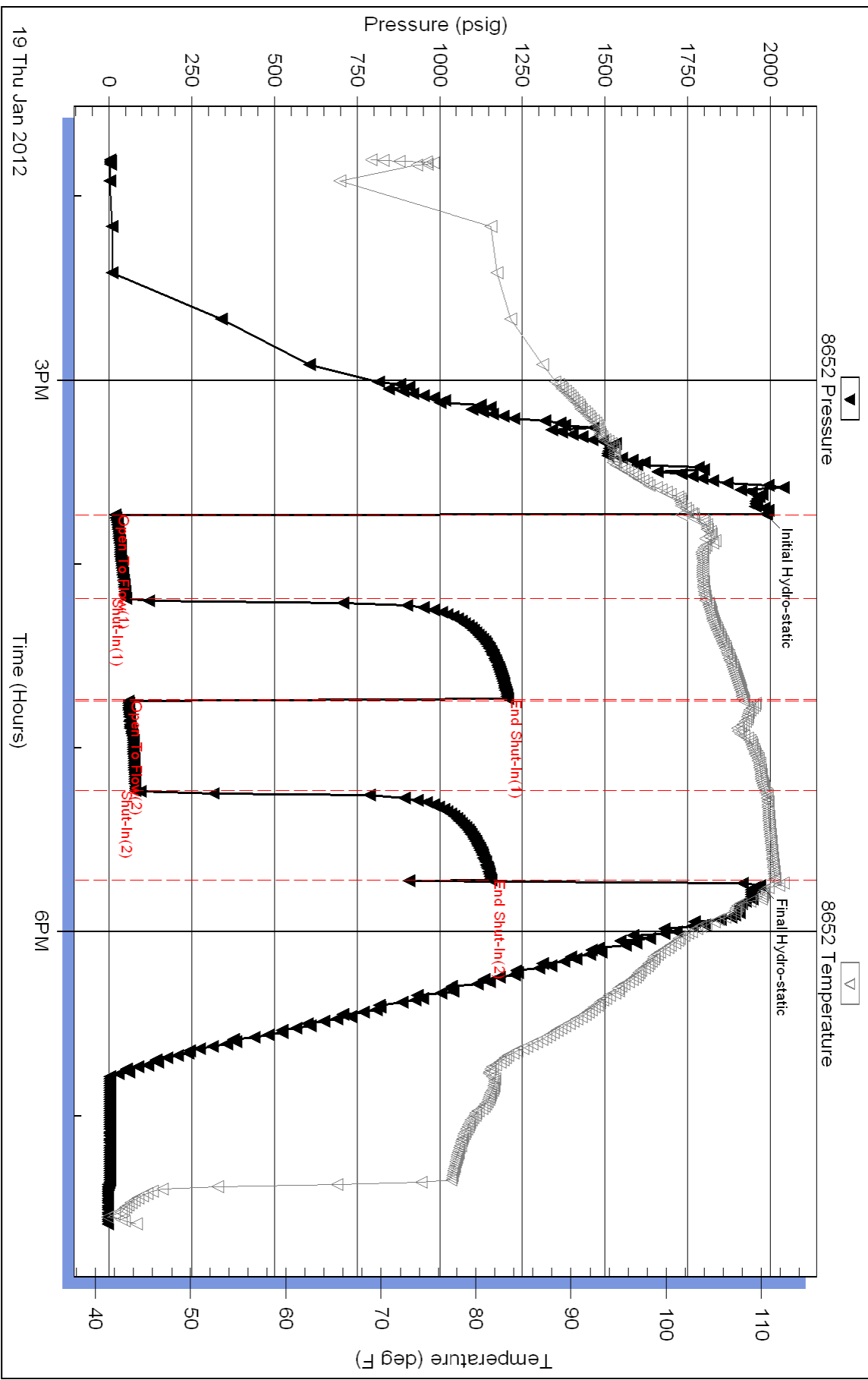
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .210 @ 53 F = 49000ppm

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Grand Mesa Operating Co.

25 12s 32w Logan, Ks

1700 N Waterfront Pkwy
Bldg 600
Wichita, Ks 67206
ATTN: John Glodsmith

#1-25 A-K

Job Ticket: 44412

DST#: 3

Test Start: 2012.01.20 @ 03:15:00

GENERAL INFORMATION:

Formation: **LKC - E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:19:45

Time Test Ended: 09:40:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 40

Interval: 4124.00 ft (KB) To 4142.00 ft (KB) (TVD)

Reference Elevations: 3021.00 ft (KB)

Total Depth: 4142.00 ft (KB) (TVD)

3016.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8652

Inside

Press @ Run Depth: 20.58 psig @ 4125.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.20

End Date:

2012.01.20

Last Calib.: 2012.01.20

Start Time: 03:15:05

End Time:

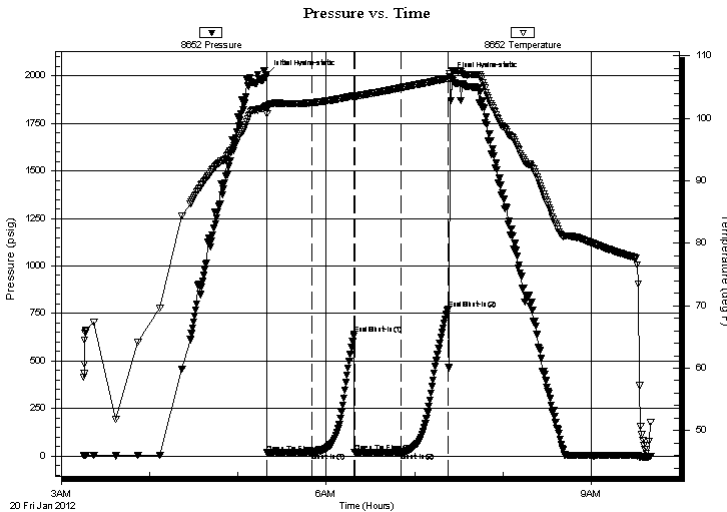
09:40:14

Time On Btm: 2012.01.20 @ 05:19:30

Time Off Btm: 2012.01.20 @ 07:23:45

TEST COMMENT: IF: Surface blow .
IS: No return.
FF: Surface blow .
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2006.99	102.05	Initial Hydro-static
1	16.61	100.74	Open To Flow (1)
31	19.12	102.47	Shut-In(1)
60	640.93	103.60	End Shut-In(1)
60	19.04	103.32	Open To Flow (2)
92	20.58	104.90	Shut-In(2)
123	771.59	106.39	End Shut-In(2)
125	1997.38	107.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100m (oil spots)	0.01

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

25 12s 32w Logan, Ks

1700 N Waterfront Pkwy
Bldg 600
Wichita, Ks 67206
ATTN: John Glodsmith

#1-25 A-K

Job Ticket: 44412

DST#: 3

Test Start: 2012.01.20 @ 03:15:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud 100m (oil spots)	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:

Serial #: 8652

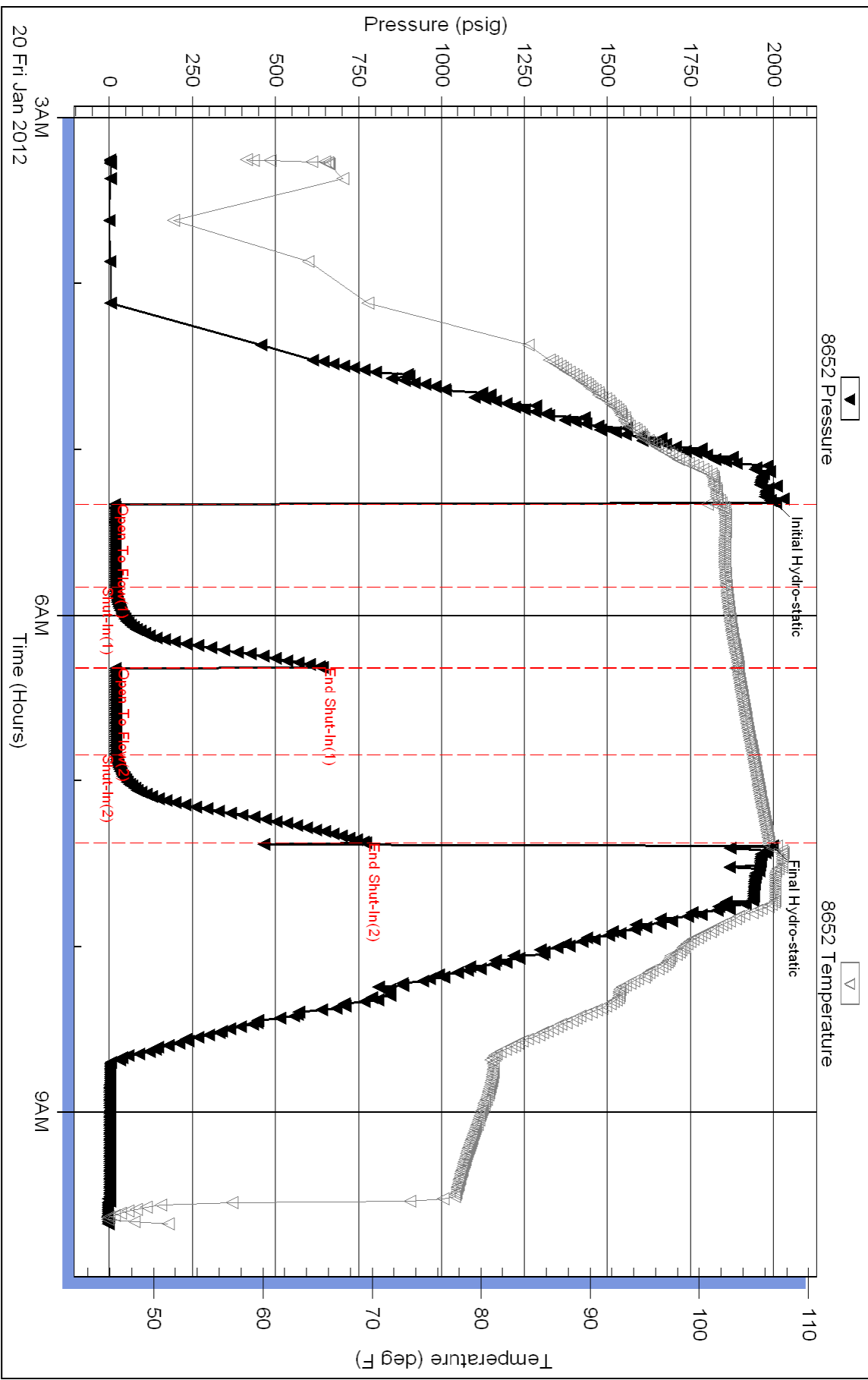
Inside

Grand Mesa Operating Co.

#1-25 A-K

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 44412

Printed: 2012.01.20 @ 10:12:03



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Grand Mesa Operating Co.
1700 N Waterfront Pkwy
Bldg 600
Wichita, Ks 67206
ATTN: John Glodsmith

25 12s 32w Logan, Ks

#1-25 A-K

Job Ticket: 44413

DST#: 4

Test Start: 2012.01.21 @ 04:21:00

GENERAL INFORMATION:

Formation: **LKC - J&K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:35:00

Time Test Ended: 11:54:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 40

Interval: 4243.00 ft (KB) To 4286.00 ft (KB) (TVD)

Total Depth: 4286.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3021.00 ft (KB)

3016.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8652

Inside

Press @ Run Depth: 154.01 psig @ 4244.00 ft (KB)

Start Date: 2012.01.21

End Date: 2012.01.21

Start Time: 04:21:05

End Time: 11:54:44

Capacity: 8000.00 psig

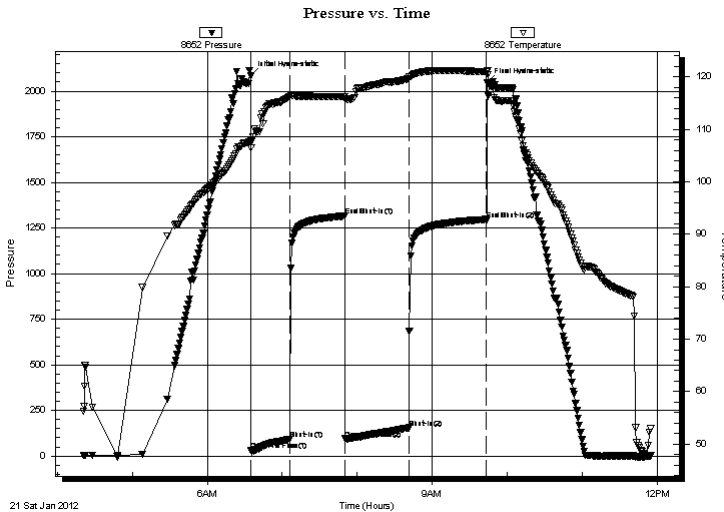
Last Calib.: 2012.01.21

Time On Btm: 2012.01.21 @ 06:34:45

Time Off Btm: 2012.01.21 @ 09:44:15

TEST COMMENT: IF: 4" Blow.
IS: No return.
FF: 2" Blow.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2083.51	107.82	Initial Hydro-static
1	30.09	106.52	Open To Flow (1)
31	90.50	116.22	Shut-In(1)
75	1315.24	116.21	End Shut-In(1)
76	93.56	115.76	Open To Flow (2)
127	154.01	119.65	Shut-In(2)
188	1296.42	120.93	End Shut-In(2)
190	2046.58	121.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
255.00	mcw 20m 80w (oil spots in tool)	1.94

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Co.
1700 N Waterfront Pkwy
Bldg 600
Wichita, Ks 67206
ATTN: John Glodsmith

25 12s 32w Logan, Ks

#1-25 A-K

Job Ticket: 44413

DST#: 4

Test Start: 2012.01.21 @ 04:21:00

GENERAL INFORMATION:

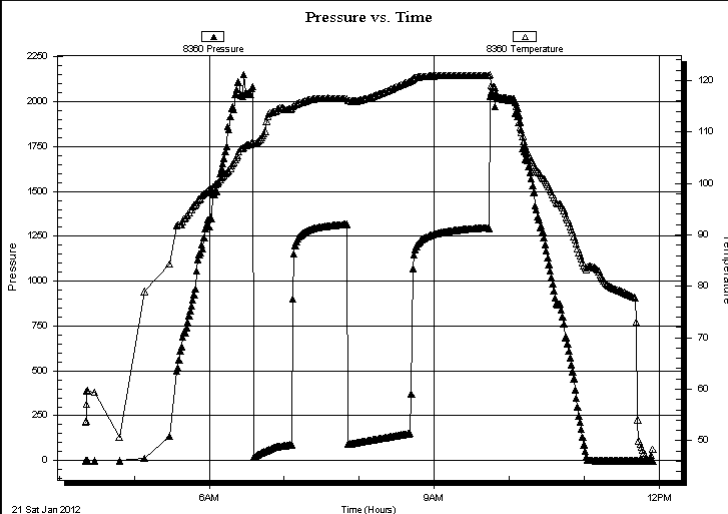
Formation: **LKC - J&K**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 06:35:00 Tester: Bradley Walter
Time Test Ended: 11:54:45 Unit No: 40
Interval: **4243.00 ft (KB) To 4286.00 ft (KB) (TVD)** Reference Elevations: 3021.00 ft (KB)
Total Depth: 4286.00 ft (KB) (TVD) 3016.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8360

Outside

Press@RunDepth: psig @ 4244.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.01.21 End Date: 2012.01.21 Last Calib.: 2012.01.21
Start Time: 04:21:05 End Time: 11:54:59 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 4" Blow.
IS: No return.
FF: 2" Blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
255.00	mcw 20m 80w (oil spots in tool)	1.94

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

25 12s 32w Logan, Ks

1700 N Waterfront Pkwy
Bldg 600
Wichita, Ks 67206
ATTN: John Glodsmith

#1-25 A-K

Job Ticket: 44413

DST#: 4

Test Start: 2012.01.21 @ 04:21:00

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:

71000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
255.00	mcw 20m 80w (oil spots in tool)	1.938

Total Length: 255.00 ft Total Volume: 1.938 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

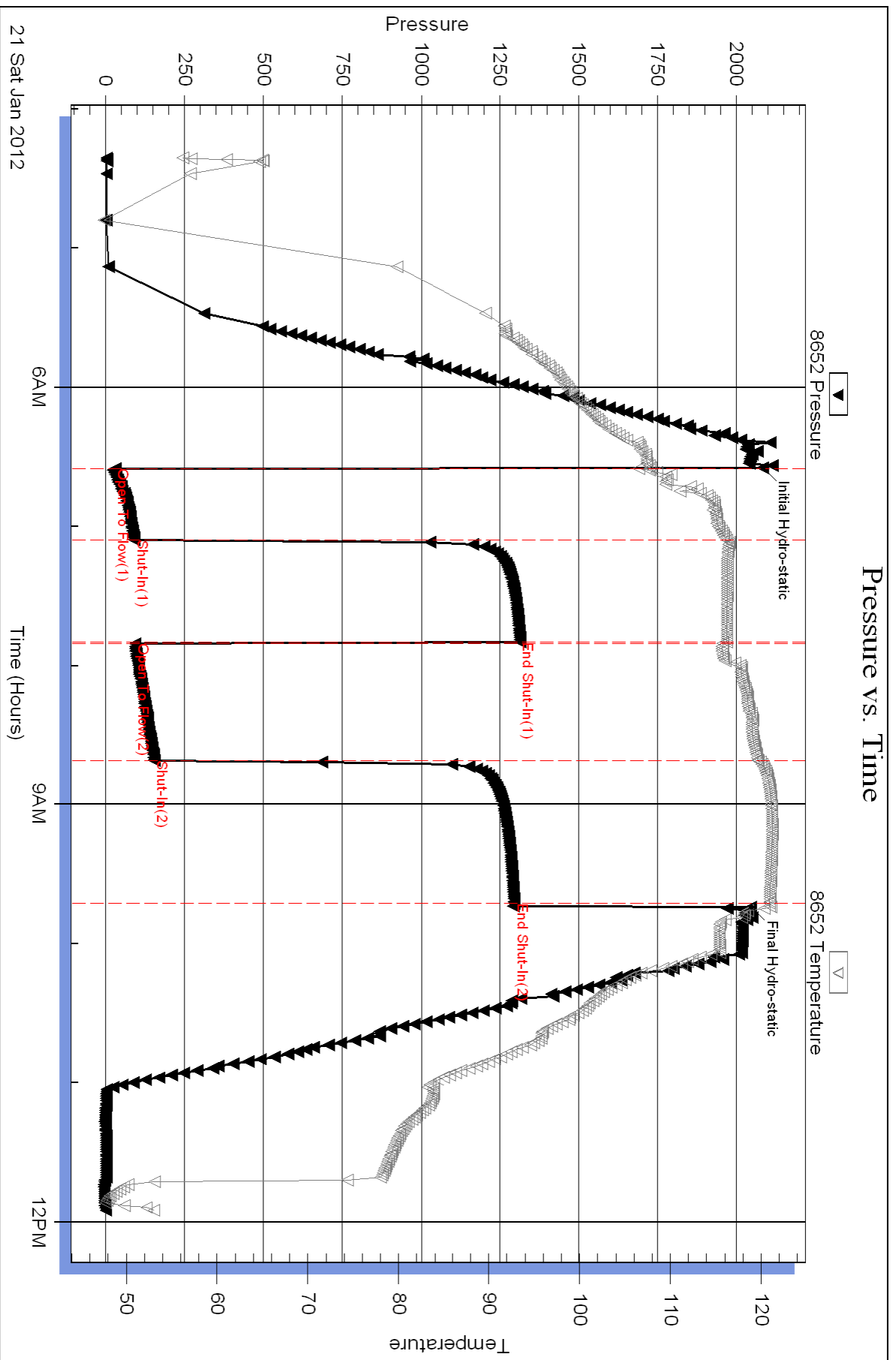
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .140 @ 55F = 71000ppm

Pressure vs. Time

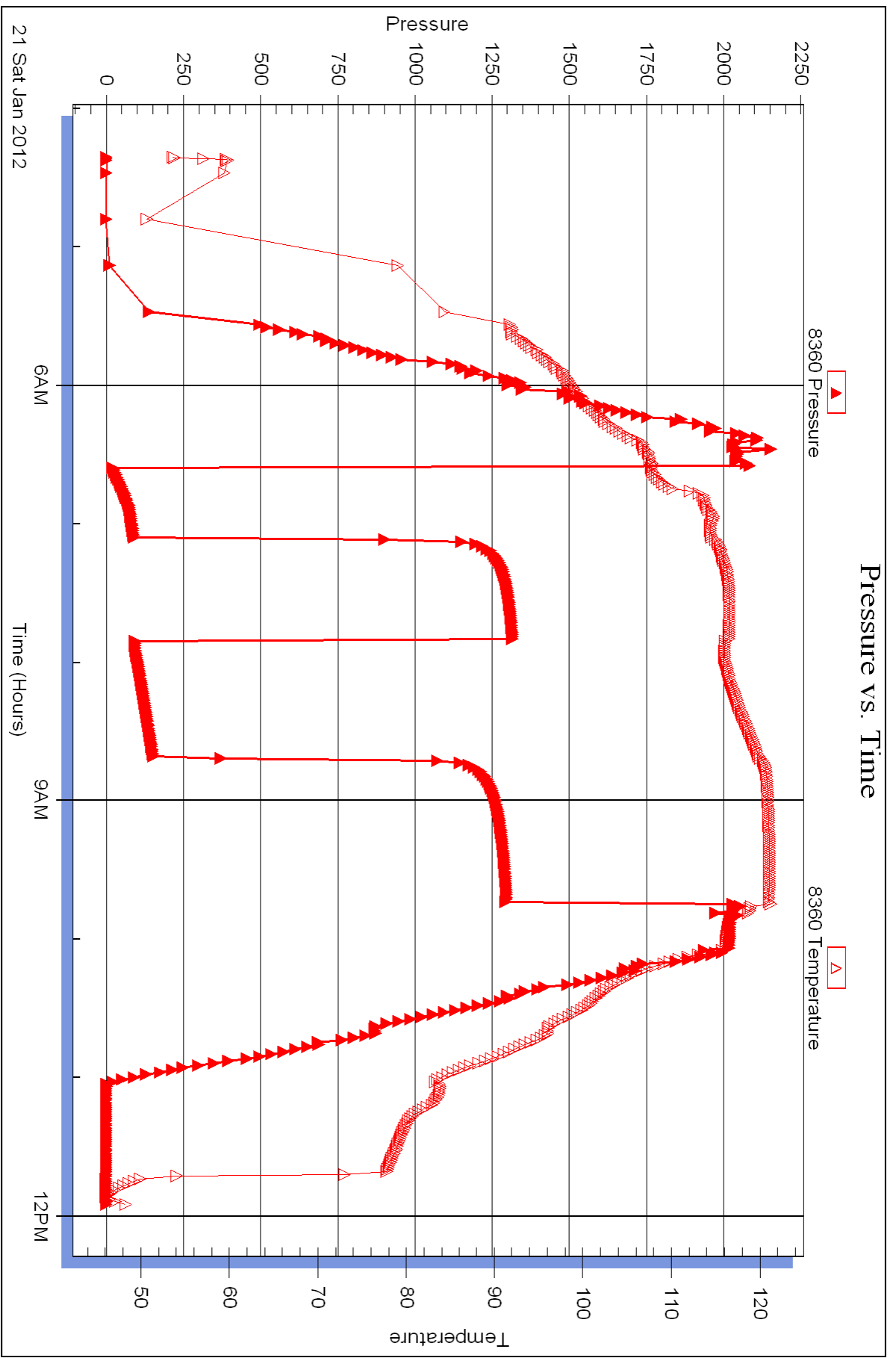


Serial #: 8360

Outside Grand Mesa Operating Co.

#1-25 A-K

DST Test Number: 4





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Grand Mesa Operating Co.

25 12s 32w Logan, Ks

1700 N Waterfront Pkwy
Bldg 600
Wichita, Ks 67206
ATTN: John Glodsmith

#1-25 A-K

Job Ticket: 44414

DST#: 5

Test Start: 2012.01.22 @ 19:20:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:18:45

Time Test Ended: 05:17:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 40

Interval: 4546.00 ft (KB) To 4604.00 ft (KB) (TVD)

Reference Elevations: 3021.00 ft (KB)

Total Depth: 4060.00 ft (KB) (TVD)

3016.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8652 Inside

Press @ Run Depth: 434.30 psig @ 4547.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.22

End Date:

2012.01.23

Last Calib.:

2012.01.23

Start Time: 19:20:05

End Time:

05:17:00

Time On Btm:

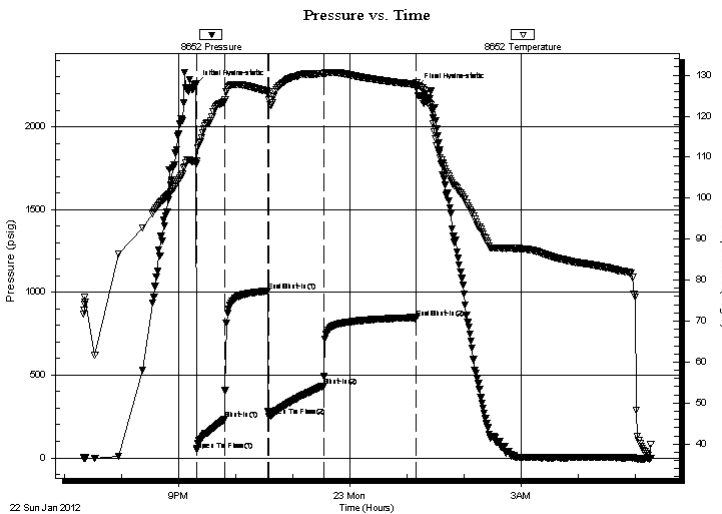
2012.01.22 @ 21:18:15

Time Off Btm:

2012.01.23 @ 01:10:15

TEST COMMENT: IF: BOB @ 8 minutes.
IS: 4" return.
FF: BOB @ 10 minutes.
FS: 4" return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2256.91	109.11	Initial Hydro-static
1	48.41	108.44	Open To Flow (1)
31	233.22	123.53	Shut-In(1)
76	1007.81	126.05	End Shut-In(1)
77	250.66	124.97	Open To Flow (2)
135	434.30	130.33	Shut-In(2)
232	846.66	127.72	End Shut-In(2)
232	2235.91	128.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	gmco 25g 25m 50o	1.25
651.00	gsmco 30g 5m 65o	6.48
248.00	gmco 40g 10m 50o	2.47
0.00	400' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.
1700 N Waterfront Pkwy
Bldg 600
Wichita, Ks 67206
ATTN: John Glodsmith

25 12s 32w Logan, Ks
#1-25 A-K
Job Ticket: 44414
Test Start: 2012.01.22 @ 19:20:00

DST#: 5

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 62.00 sec/qt
Water Loss: 7.93 in³
Resistivity: ohm.m
Salinity: 2200.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 28 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	gmco 25g 25m 50o	1.252
651.00	gsmco 30g 5m 65o	6.476
248.00	gmco 40g 10m 50o	2.467
0.00	400' GIP	0.000

Total Length: 1085.00 ft Total Volume: 10.195 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8652

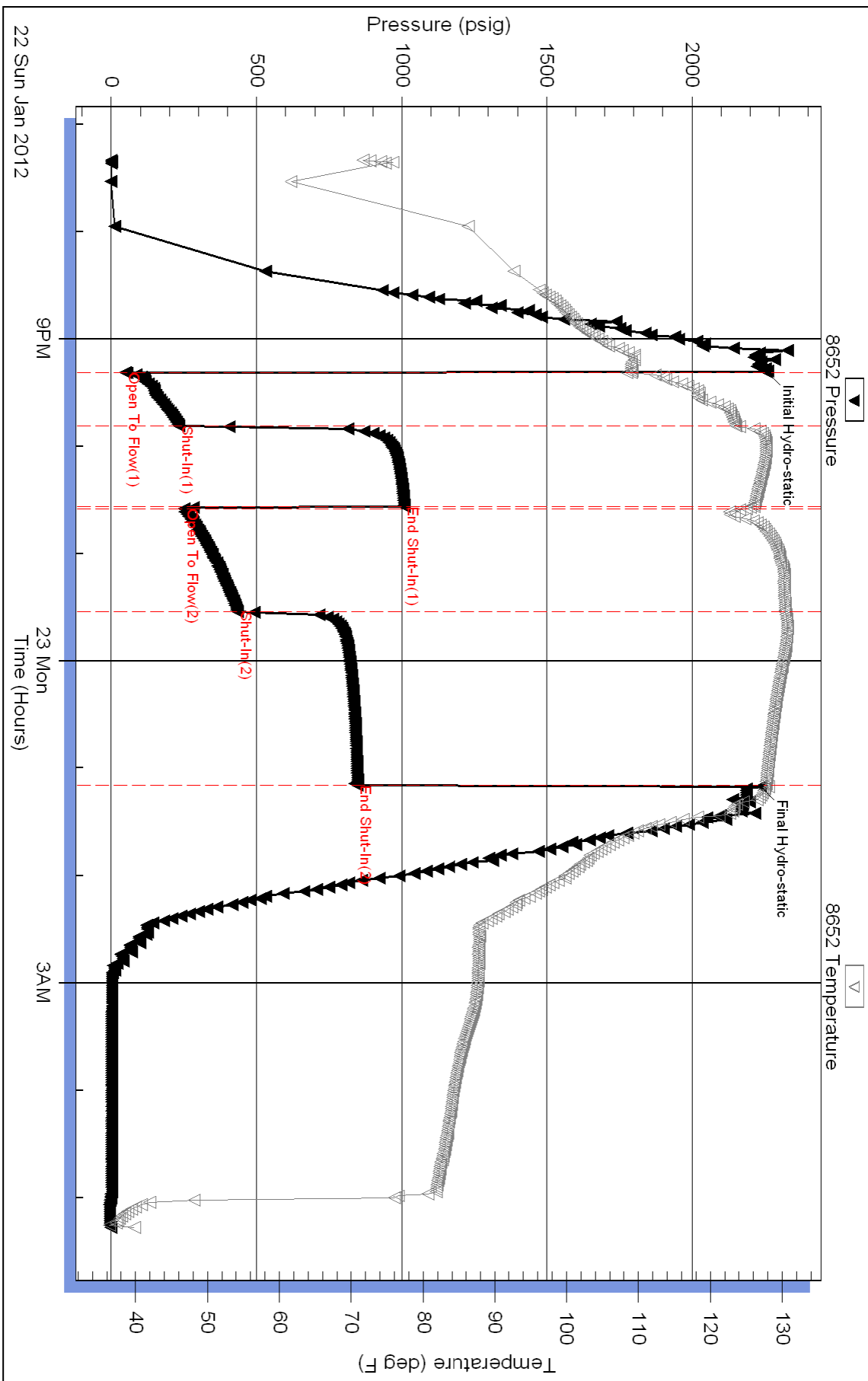
Inside

Grand Mesa Operating Co.

#1-25 A-K

DST Test Number: 5

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Grand Mesa Operating Co.

25 12s 32w Logan, Ks

1700 N Waterfront Pkwy
Bldg 600
Wichita, Ks 67206
ATTN: John Glodsmith

#1-25 A-K

Job Ticket: 44415

DST#: 6

Test Start: 2012.01.23 @ 15:31:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:51:45

Time Test Ended: 00:21:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 40

Interval: 4547.00 ft (KB) To 4618.00 ft (KB) (TVD)

Reference Elevations: 3021.00 ft (KB)

Total Depth: 4060.00 ft (KB) (TVD)

3016.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8652 Inside

Press @ Run Depth: 320.61 psig @ 4548.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.23

End Date:

2012.01.23

Last Calib.:

2012.01.23

Start Time: 14:31:05

End Time:

23:21:15

Time On Btm:

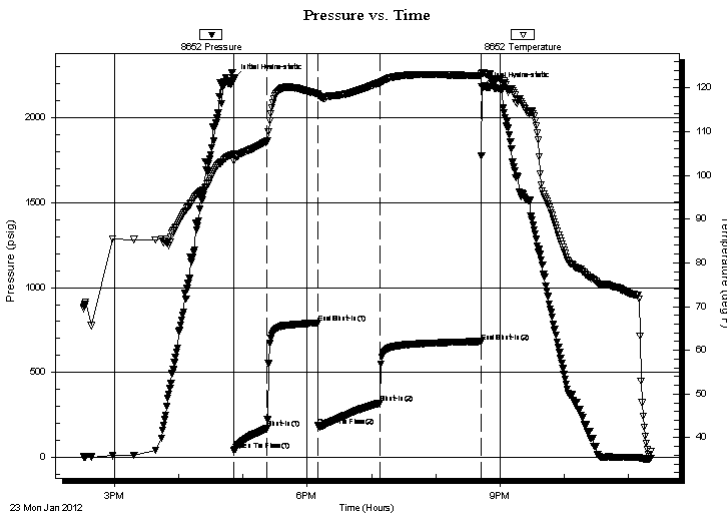
2012.01.23 @ 16:51:30

Time Off Btm:

2012.01.23 @ 20:43:00

TEST COMMENT: IF: BOB @ 13 minutes.
IS: 2 1/2" return.
FF: BOB @ 20 minutes.
FS: 2" return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2227.21	104.82	Initial Hydro-static
1	40.90	103.38	Open To Flow (1)
31	171.30	107.78	Shut-In(1)
78	792.32	118.69	End Shut-In(1)
79	186.07	118.44	Open To Flow (2)
137	320.61	121.17	Shut-In(2)
231	680.44	122.76	End Shut-In(2)
232	2182.52	123.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	gmco 30g 30m 40o	1.87
512.00	gsmco 25g 5m 70o	5.09
0.00	295' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

25 12s 32w Logan, Ks

1700 N Waterfront Pkwy
Bldg 600
Wichita, Ks 67206
ATTN: John Glodsmith

#1-25 A-K

Job Ticket: 44415

DST#: 6

Test Start: 2012.01.23 @ 15:31:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 4.80 in³

Resistivity: ohm.m

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

28 deg API

Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	gmco 30g 30m 40o	1.868
512.00	gsmco 25g 5m 70o	5.093
0.00	295' GIP	0.000

Total Length: 760.00 ft Total Volume: 6.961 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

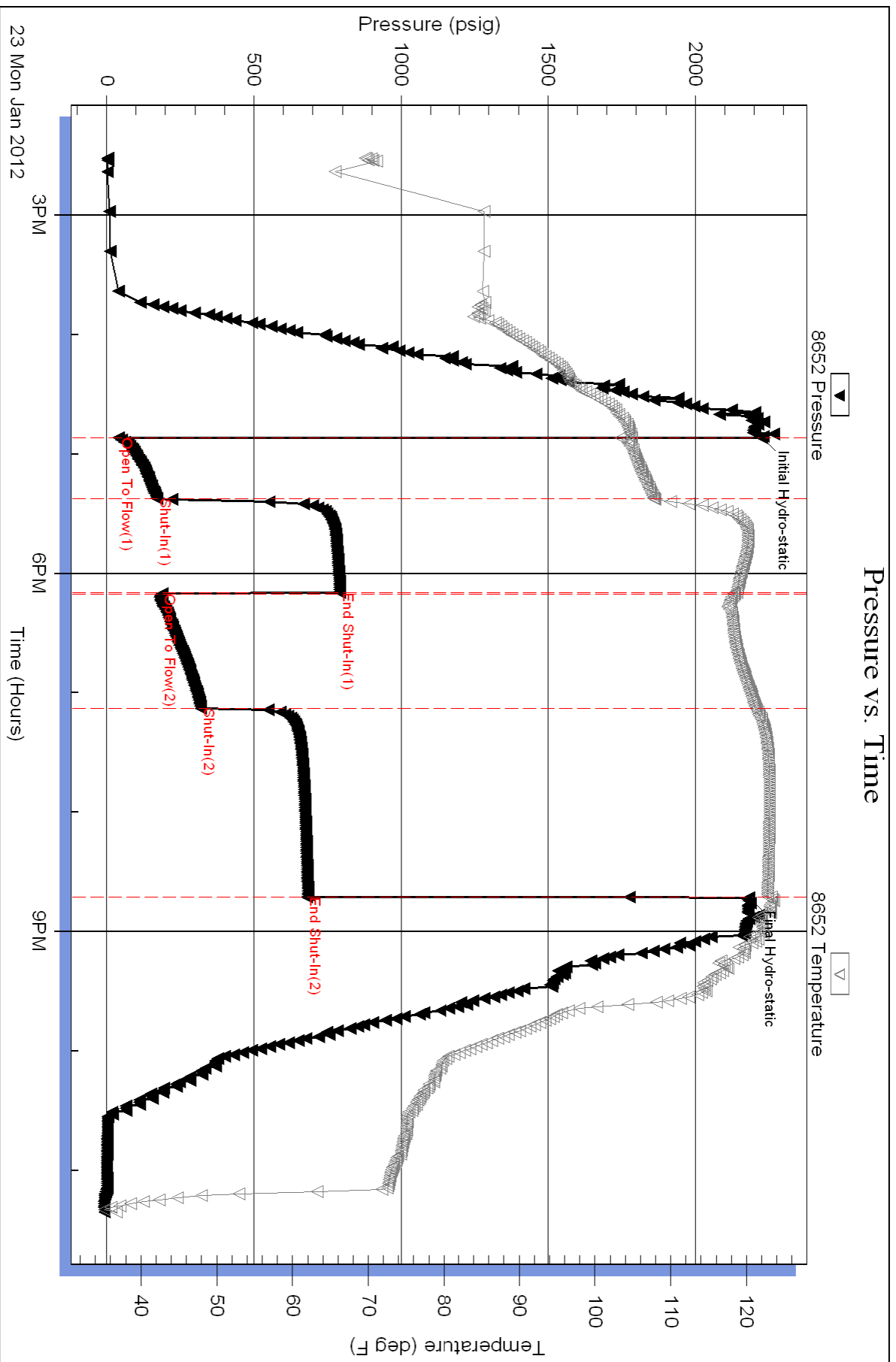
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

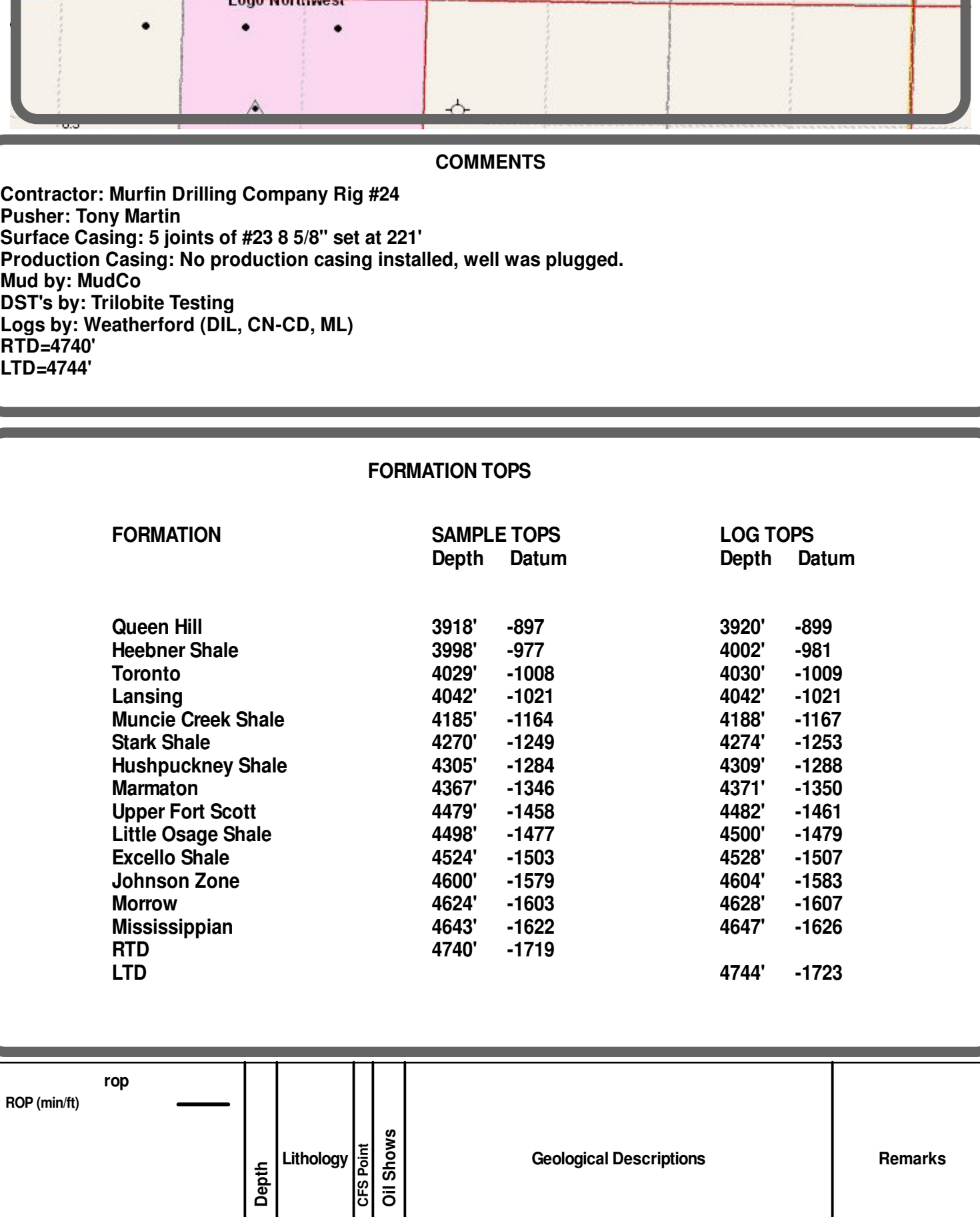


Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: #1-25 A-K Location: 1626' FSL, 2582' FWL, SE SE NE SW, SECTION 25-12S-32W License Number: API: 15-109-21062 Region: Logan County Spud Date: 1/14/2012 Drilling Completed: 1/24/2012 Surface Coordinates: LAT 38.9793480 LONG -100.8229847 Vertical hole Bottom Hole Coordinates: Ground Elevation (ft): 3016' K.B. Elevation (ft): 3021' Logged Interval (ft): 3800' To: RTD Total Depth (ft): 4740' Formation: Mississippian RTD Type of Drilling Fluid: Chemical Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

GEOLOGIST

Name: John Goldsmith Company: John Goldsmith Wellsite Service Address: 322 Greenwood Ct. Cheney, KS 67025 316-640-0236

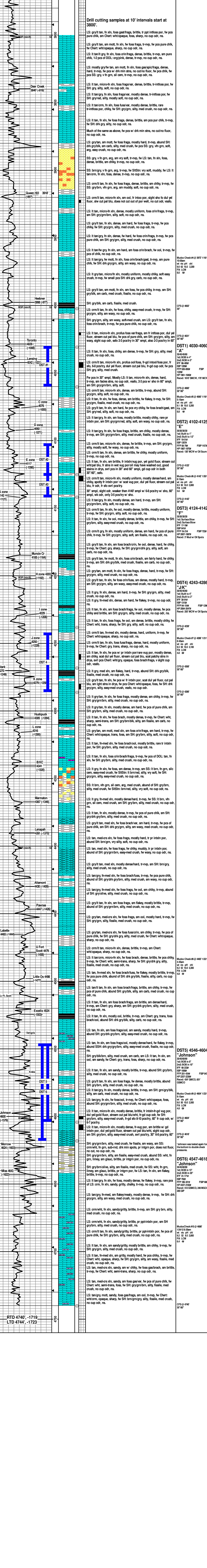


COMMENTS

Contractor: Murlin Drilling Company Rig #24 Pusher: Tony Martin Surface Casing: 5 joints of #23 8 5/8" set at 221' Production Casing: No production casing installed, well was plugged. Mud by: MudCo DSTs by: Tribolite Testing Logs by: Weatherford (DIL, CN-CD, ML) RTD=4740' LTD=4744'

FORMATION TOPS

Table with 4 columns: FORMATION, SAMPLE TOPS Depth, LOG TOPS Depth, and LOG TOPS Datum. Lists formations like Queen Hill, Heebner Shale, Toronto, Lansing, etc., with their corresponding depths.



Remarks section containing various well logs and data points, including MUDCO CHECK #1 through #10, CFS logs, and DST logs with their respective depths and findings.

ALLIED CEMENTING CO., LLC. 035315

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Oakley

DATE <u>1-14-12</u>	SEC <u>25</u>	TWP <u>12</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00am</u>	JOB FINISH <u>9:30am</u>
LEASE <u>A-K</u>	WELL# <u>1-25</u>	LOCATION <u>Oakley 105 1/2E Ninto</u>			COUNTY <u>Logan</u>	STATE <u>Ks</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Martin 24

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 221'

CASING SIZE 8 5/8 DEPTH 221'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13.12 BBL

EQUIPMENT

PUMP TRUCK CEMENTER Andrew

422 HELPER Jerry

BULK TRUCK

342 DRIVER Tyler

BULK TRUCK

DRIVER

OWNER Same

CEMENT

AMOUNT ORDERED 165 sks com

390cc 200 gal

COMMON 165 sks @ 16.25 2681.25

POZMIX @

GEL 3 sks @ 21.25 63.75

CHLORIDE 6 sks @ 58.20 349.20

ASC @

HANDLING 124 sks @ 2.25 279.00

MILEAGE 114 sk/mile 229.68

TOTAL 3715.38

REMARKS:

Cement did circulate

Thank you

CHARGE TO: Grand mesa

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 221

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE @

MILEAGE 12 miles @ 7.00 84.00

MANIFOLD head @ 200.00

Light vehicle @ 4.00 48.00

TOTAL 1452.00

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 Anthony Martin

SIGNATURE Anthony Martin

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

JOB LOG

SWIFT Services, Inc.

DATE 1-25-12 PAGE NO. 1

CUSTOMER *Grand Mesa* WELL NO. #1 LEASE A-K JOB TYPE Cement Longstring TICKET NO. 21245

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0500					15.5 [#]	5 1/2	On location w/ Float Equip - RLDD.P.
	0830							Start 5 1/2" 15.5 #/ft casing to 4739'
								Insert Float Valve w/ Auto-Rel
								L.D. Baffle - SS 12' @ 4727' = 112 1/2 BBL
								Cent 1-3-5-7-9-11-13-52
								Packets Pincol #4 & 53
								P.C. in collar #53 @ 2528'
								Jts out #2 - lost 5' & 2 short engaged
								Drop fill up ball
	1045							Fin casing
	1055							Start circ / Rotate
	1145							Fin circ
			8 1/2					Plug RH-30 SKS MH 15 SKS EA-2
	1200	5	12				700	Pump 520 gal mud flush
		6	20				300	Pump 20 BBL KCL flush
		4 1/2					250	Start 130 SKS EA-2 down hole
	1215	4	37				100	Fin cent - Wash out Pump & Lines
	1218							Drop LD LD Plug
	1218	9					700	Start Displ
		9	85				700/750	Caught L.A. - Bi' slowly incr
		8	90				500	Slow rate
		7	95				600	Slow rate
		5 1/2	105				700	Slow rate
	12:30		112 1/2				800/7400	Plug Down - Hold - Release & Hold
	12:45							Job Complete
								Wash up & Breakup
	1315							

W. H. ...
Don, Brian & Rob

JOB LOG

SWIFT Services, Inc.

DATE 02-27-12 PAGE NO. 1

CUSTOMER GRAND MESA WELL NO. 1-25 LEASE A-N JOB TYPE CMT- PORT COLLAR TICKET NO. 21307

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (CMT)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1230							ON LOCATION 190515 CMT: 25515 SMD 1/4FLW 27/8x 5/2 RBP 2500 PORT COLLAR @ 2537
	1300							Run in TOOL & TBL
	1355			-	-	1000	1000	PSI TEST
	1400		15.0	-				SPOT 1 ST SAND 2600 FT LOCATE P.C. OPEN PL
	1445	3.0	3.0	-		450		INJECT
	1447	4.0	0	-		600		START MUD GOOD BLOW
		4.0	40.0	-		600		4.0 CIRC OUT 8 7/8 - MUD - 40 bbls MUD
		3.0	3	-		450		START H ₂ O SPACER
	1500	3.0	0	-		450		START CMT @ 11.2 #/sq
		4.0	94	-		600		CIRC CMT
			94	-				MIX 20.515 @ 14.0 #/sq
			100	-				END
			0	-				START DISP
	1535		13.5	-				END TOTAL CMT 190515
								CLOSE PL 25515 TO PIT!
	1540			-	-	1100	1100	PSI TEST HOLD Run in 8 JOBS
	1600	2.5	0	-		300		REV. OUT CMT & SAND
		3.0	2.0	-				CIRC DOWN TO RBP
			11.0	-				CIRC CMT 15764
			17.0	-				SAND
			18.0	-				2ND FINAL CMT
	1645		30.0	-				ALL CLEAN
								SWAB DOWN HOLE TO GET P.C. TOOL
	1830							JOB COMPLETE THANK YOU! DAVE JESSE, RBP

**Pro-Stim
Chemicals LLC**

P.O. Box 25 - Cheyenne Wells, CO 80810
(719) 767-8071 Fax: (719) 767-5925
149 S. Longhorn Drive - Dighton, KS 67839
(620) 397-2333

ACID TICKET
Emergency Response
1-800-535-5053

Date: 2/22/12

Customer: Grand Mesa

County: Logan

KS

Lease: A-K # 1-25

Truck #: 3
Driver: TOY

62313

Quantity	Description	Amount
500	15% RWR-1	
10	Rehab	
28	BBLS 2% KCL	
15	BBLS SPOT	
31	BBLS Loaded	
32	BBLS 1.3 BPM AT 70	
34	BBLS 1 BPM AT 250	
38	BBLS 1 BPM AT 250	
40	BBLS 1 BPM AT 250	
	ISIP 150	
	Vac in 10 SEC	

Job Summary pumped 500 gallons Acid, Flushed
with 28 BBLS 2% KCL

Received by: [Signature]

Pro-Stim Chemicals LLC

Date 2-23-12

Acidizing Report

Customer <u>Grand Mesa</u>		Pro-Stim Chemical Yard <u>Dighton</u>		Pro-Stim Number <u>A9</u>	
Well Name & Number <u>AK-125</u>		Field		Formation Spot	
County <u>Gore</u>	State <u>KS</u>	BHT	YD	Interval	

62335

Well Type:	Completion <input checked="" type="checkbox"/>	Recompletion <input type="checkbox"/>	Workover <input type="checkbox"/>	Oil <input type="checkbox"/>	Gas <input type="checkbox"/>	Water <input type="checkbox"/>	Disposal <input type="checkbox"/>	Perf <input type="checkbox"/>	OH <input type="checkbox"/>	
Job Pumped Via:	Tubing <input checked="" type="checkbox"/>	Casing <input type="checkbox"/>	Annulus <input type="checkbox"/>	CTU <input type="checkbox"/>	Combination <input type="checkbox"/>	Plug Depth	Packer Depth			
Casing Size:	<u>5 1/2</u>	GRD	WT	Depth	Tubing Size: <u>2 7/8</u>	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: 1000 gal 15% RWR-1 15 AD795 20 53000
1000 gal 15% RWR-1 10 A0715 25 53000

Treatment Record

Time	Type Fluid	Rate BMP	Increment Vol Bbls	Cum Vol Bbls	Pressure		Observations
					Tubing	Casing	
							Safety Meeting
							Prs Test to _____ psi
10:42	Acid	0	2.5		0		SPOT
10:58	Acid	3.0	4.2		30		
11:05	Acid	3.0	24.0		30		
11:05	Flush	3.0	24.1		30		
11:08	Flush	3.4	33		30		
11:12	Flush	3.3	48		30		
11:12	Acid	3.3	48.1		40		
11:14	Acid	1.9	53.9		60		
11:21	Acid	2.0	67.6		350		
11:27	Acid	2.0	72.0		400 400		
11:24	Flush	2.0	72.1		400 400		
11:26	Flush	2.0	76		380		
11:30	"	1.6	84		440		
11:43	"	1.3	102.5		420		
12:03	"	1.0	126		440		
12:14	"	.6	135.5		370		
12:35	"	.4	147		350		

Treatment Synopsis

Avg Inj Rate	Fluid BPM	Total Injected	H2O <u>99</u>	Acid <u>48</u>	Oil	<u>13 to 0</u>
Treating Prs	Max <u>450</u>	Final <u>350</u>	Avg.	ISIP <u>340</u>	5'SI <u>90</u>	10'SI <u>30</u> 15'SI
Customer Representative			Pro-Stim Supervisor			

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

March 27, 2012

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

Re: ACO1
API 15-109-21062-00-00
A-K 1-25
SW/4 Sec.25-12S-32W
Logan County, Kansas

Dear Production Department:

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

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

Respectfully,
Ronald N. Sinclair