



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: _____



1155434

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

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

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

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

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <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	Mid-Continent Resources, Inc.
Well Name	Grose 6
Doc ID	1155434

Tops

Name	Top	Datum
Anhydrite	1393	800
Heebner	3632	-1439
Lansing	3674	-1481
Base Kansas City	3992	-1799
Pawnee	4078	-1885
Ft. Scott	4145	-1952
Cherokee	4160	-1967
Mississippian	4240	-2047
TD	4249	-2056



DRILL STEM TEST REPORT

Prepared For: **Mid-Continent Res Inc**

PO Box 6
Bazine KS 67316

ATTN: Scott Corsair

Grose #6

3-19s-21w Ness,KS

Start Date: 2013.05.09 @ 14:20:30

End Date: 2013.05.09 @ 21:46:15

Job Ticket #: 52239 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.05.15 @ 13:45:22

Mid-Continent Res Inc
3-19s-21w Ness,KS
Grose #6
DST # 1
Cher Sd
2013.05.09



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mid-Continent Res Inc
 PO Box 6
 Bazine KS 67316
 ATTN: Scott Corsair

3-19s-21w Ness, KS

Grose #6

Job Ticket: 52239

DST#: 1

Test Start: 2013.05.09 @ 14:20:30

GENERAL INFORMATION:

Formation: **Cher Sd**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:21:15

Time Test Ended: 21:46:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 68

Interval: 4158.00 ft (KB) To 4225.00 ft (KB) (TVD)

Reference Elevations: 2193.00 ft (KB)

Total Depth: 4225.00 ft (KB) (TVD)

2185.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8789

Inside

Press @ Run Depth: 148.48 psig @ 4164.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.09

End Date:

2013.05.09

Last Calib.: 2013.05.09

Start Time: 14:20:32

End Time:

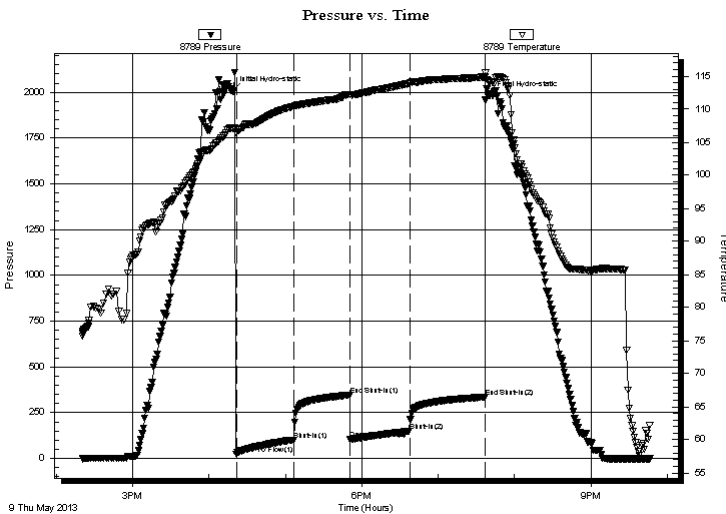
21:46:15

Time On Btm: 2013.05.09 @ 16:18:30

Time Off Btm: 2013.05.09 @ 19:41:00

TEST COMMENT: 45-IFP-w k to a fr bl 1/2" to 4" bl
 45-ISIP-no bl bl
 45-FFP-w k bl thru-out surface to 1 1/4" bl
 60-FSIP-no bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2006.83	107.13	Initial Hydro-static
3	24.70	106.54	Open To Flow (1)
48	101.16	110.41	Shut-In(1)
92	346.20	112.24	End Shut-In(1)
93	104.40	112.16	Open To Flow (2)
139	148.48	113.90	Shut-In(2)
199	334.74	114.87	End Shut-In(2)
203	1983.24	114.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	60'GIP	0.00
120.00	MW 35%M65%W w/show of oil	1.41
140.00	OCM 6%O94%M	1.96
15.00	CO	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mid-Continent Res Inc

3-19s-21w Ness,KS

PO Box 6
Bazine KS 67316

Grose #6

Job Ticket: 52239

DST#: 1

ATTN: Scott Corsair

Test Start: 2013.05.09 @ 14:20:30

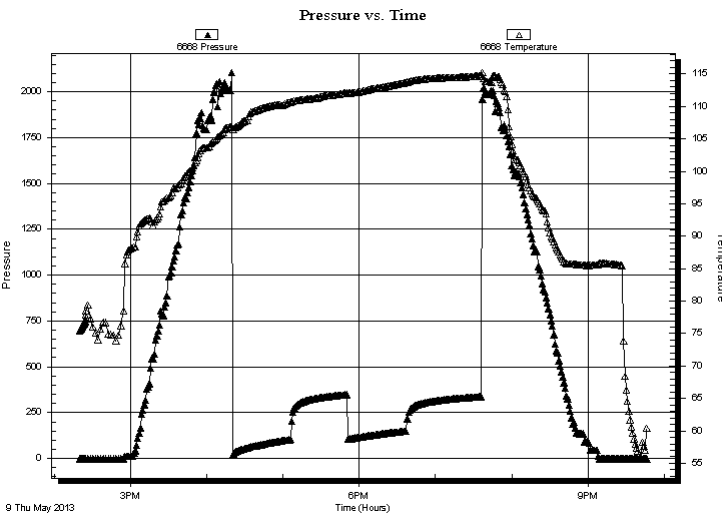
GENERAL INFORMATION:

Formation: **Cher Sd**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:21:15
 Time Test Ended: 21:46:15
 Interval: **4158.00 ft (KB) To 4225.00 ft (KB) (TVD)**
 Total Depth: 4225.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 68
 Reference Elevations: 2193.00 ft (KB)
 2185.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6668 Outside

Press @ Run Depth: psig @ 4164.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.05.09 End Date: 2013.05.09 Last Calib.: 2013.05.09
 Start Time: 14:20:10 End Time: 21:45:53 Time On Btm:
 Time Off Btm:

TEST COMMENT: 45-IFP-w k to a fr bl 1/2" to 4" bl
 45-ISIP-no bl bl
 45-FFP-w k bl thru-out surface to 1 1/4" bl
 60-FSIP-no bl bk



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	60'GIP	0.00
120.00	MW 35%M65%W w/show of oil	1.41
140.00	OCM 6%O94%M	1.96
15.00	CO	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mid-Continent Res Inc

3-19s-21w Ness,KS

PO Box 6
Bazine KS 67316

Grose #6

Job Ticket: 52239

DST#: 1

ATTN: Scott Corsair

Test Start: 2013.05.09 @ 14:20:30

Tool Information

Drill Pipe:	Length: 4120.00 ft	Diameter: 3.80 inches	Volume: 57.79 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 57.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4158.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	95.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4131.00	
Shut In Tool	5.00			4136.00	
Hydraulic tool	5.00			4141.00	
Jars	5.00			4146.00	
Safety Joint	2.00			4148.00	
Packer	5.00			4153.00	28.00 Bottom Of Top Packer
Packer	5.00			4158.00	
Stubb	1.00			4159.00	
Perforations	5.00			4164.00	
Recorder	0.00	8789	Inside	4164.00	
Recorder	0.00	6668	Outside	4164.00	
Blank Spacing	33.00			4197.00	
Perforations	25.00			4222.00	
Bullnose	3.00			4225.00	67.00 Bottom Packers & Anchor

Total Tool Length: 95.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mid-Continent Res Inc

3-19s-21w Ness,KS

PO Box 6
Bazine KS 67316

Grose #6

Job Ticket: 52239

DST#: 1

ATTN: Scott Corsair

Test Start: 2013.05.09 @ 14:20:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.14 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	60'GIP	0.000
120.00	MW 35%M65%W w/show of oil	1.410
140.00	OCM 6%O94%M	1.964
15.00	CO	0.210

Total Length: 275.00 ft Total Volume: 3.584 bbl

Num Fluid Samples: 0

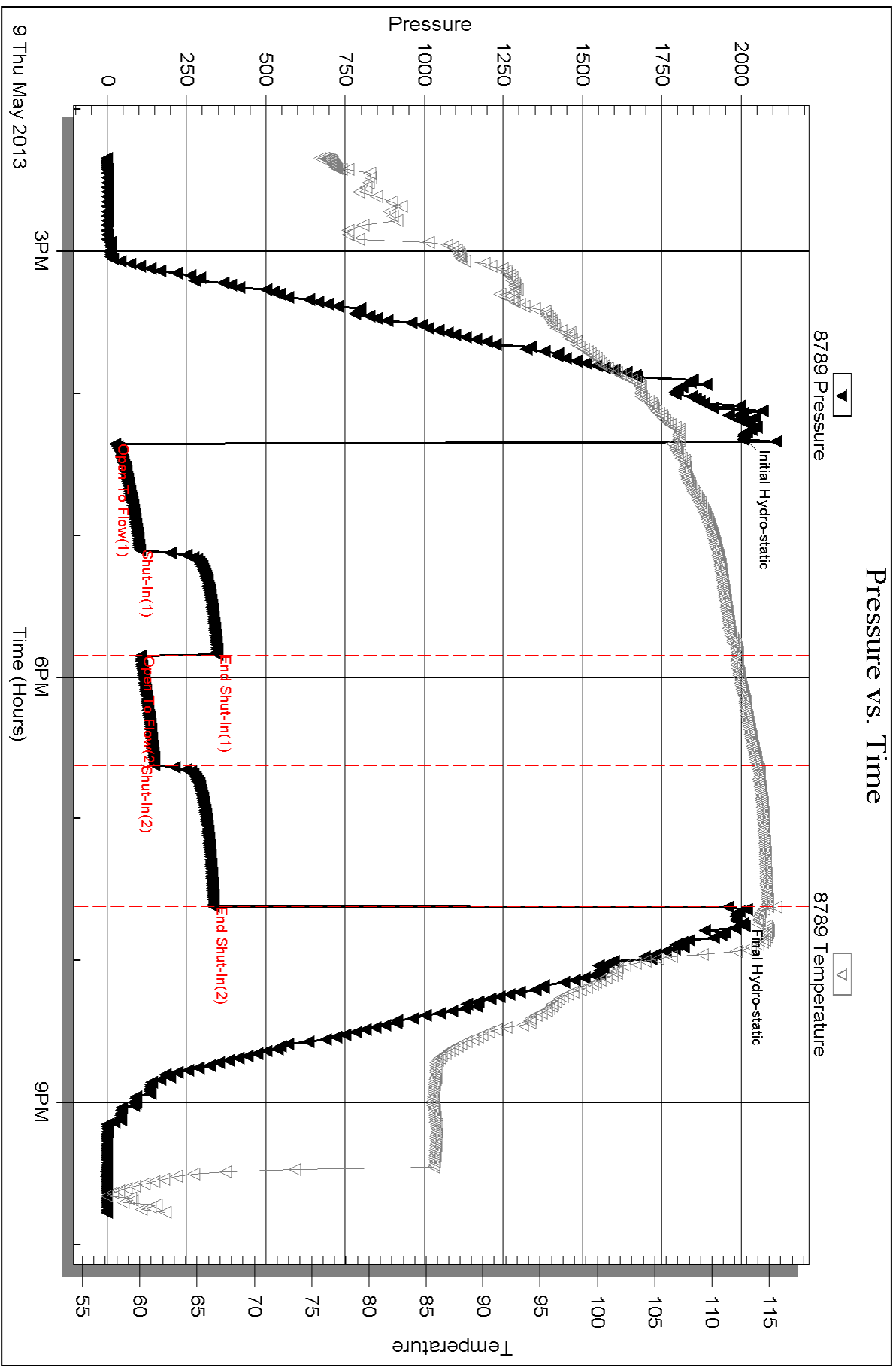
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .20@50F

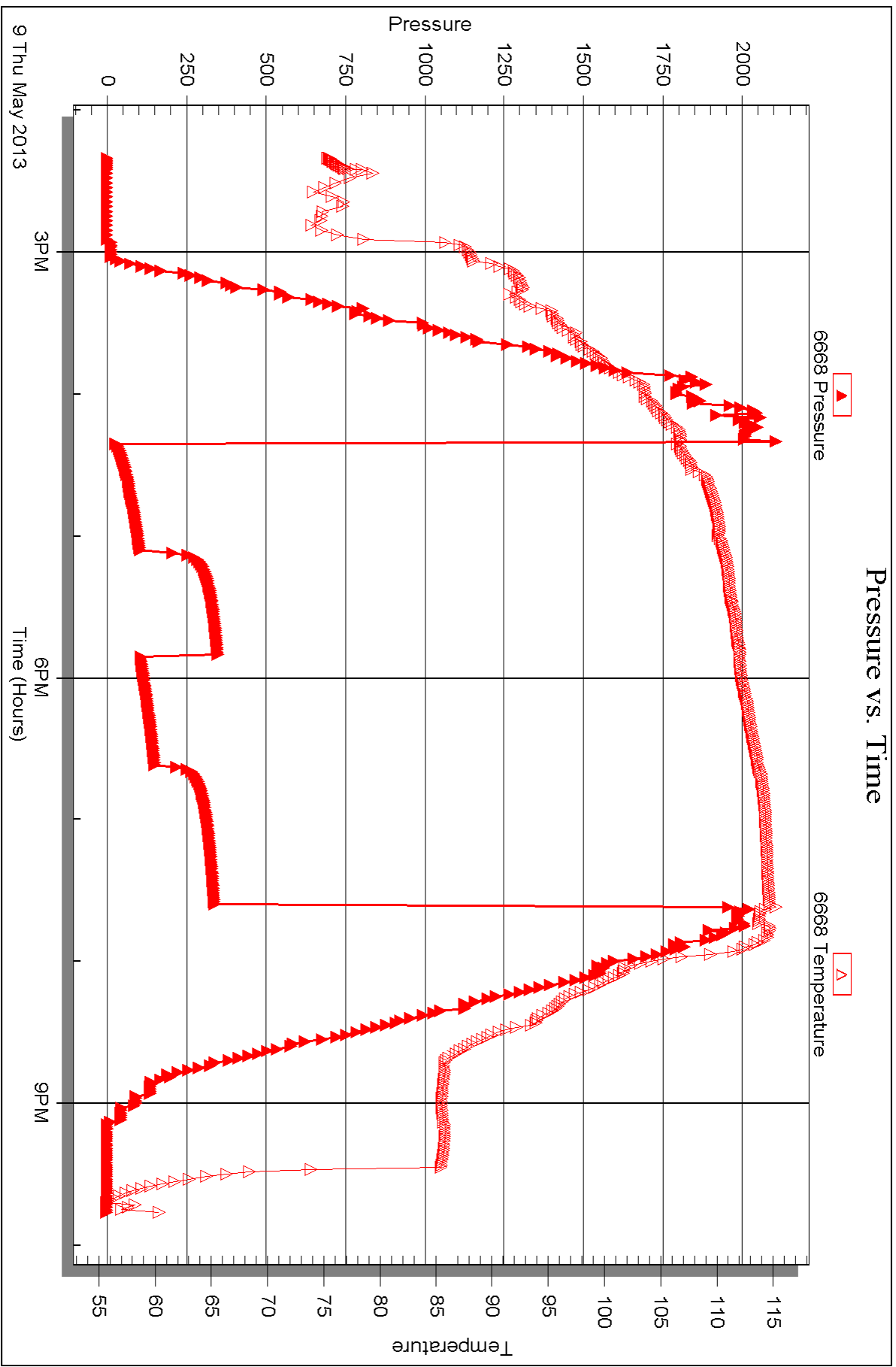


Serial #: 6668

Outside Mid-Continent Res Inc

Groser #6

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Mid-Continent Res Inc**

PO Box 6
Bazine KS 67316

ATTN: Scott Corsair

Grose #6

3-19s-21w Ness,KS

Start Date: 2013.05.10 @ 04:25:39

End Date: 2013.05.10 @ 11:26:07

Job Ticket #: 52240 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.05.15 @ 13:40:55



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mid-Continent Res Inc
 PO Box 6
 Bazine KS 67316
 ATTN: Scott Corsair

3-19s-21w Ness, KS

Grose #6

Job Ticket: 52240

DST#: 2

Test Start: 2013.05.10 @ 04:25:39

GENERAL INFORMATION:

Formation: **Miss Osage**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:20:22

Time Test Ended: 11:26:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 68

Interval: 4243.00 ft (KB) To 4249.00 ft (KB) (TVD)

Reference Elevations: 2193.00 ft (KB)

Total Depth: 4249.00 ft (KB) (TVD)

2185.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8789

Inside

Press @ Run Depth: 83.34 psig @ 4246.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.10

End Date:

2013.05.10

Last Calib.:

2013.05.10

Start Time:

04:25:39

End Time:

11:26:07

Time On Btm:

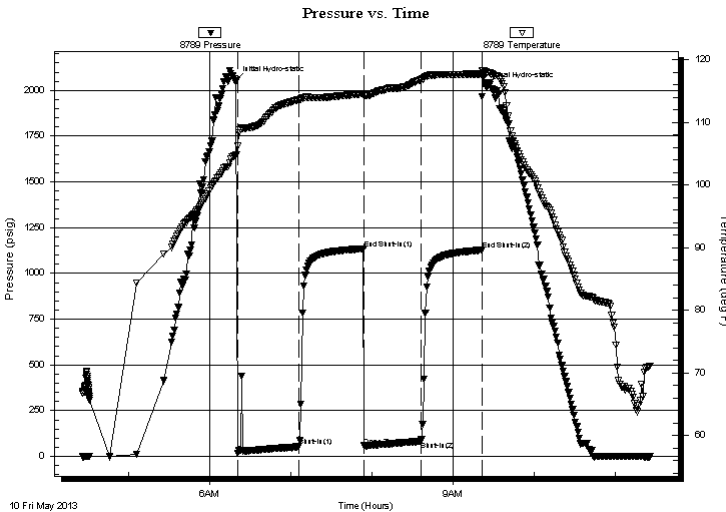
2013.05.10 @ 06:18:37

Time Off Btm:

2013.05.10 @ 09:24:37

TEST COMMENT: 45-IFP-w k bl thru-out 1/4" to 2 1/2" bl
 45-ISIP-no bl
 45-FFP-w k bl thru-out surface to 1/4" bl
 45-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2052.22	104.71	Initial Hydro-static
2	17.68	106.20	Open To Flow (1)
47	53.87	113.56	Shut-In(1)
95	1134.42	114.57	End Shut-In(1)
96	57.03	114.19	Open To Flow (2)
138	83.34	116.78	Shut-In(2)
183	1127.23	117.74	End Shut-In(2)
186	2018.18	118.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW 10%M90%W w/show of oil	1.41
20.00	SOCMW 2%O15%M83%W	0.28
2.00	CO	0.03

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mid-Continent Res Inc

3-19s-21w Ness, KS

PO Box 6
Bazine KS 67316

Grose #6

Job Ticket: 52240

DST#: 2

ATTN: Scott Corsair

Test Start: 2013.05.10 @ 04:25:39

GENERAL INFORMATION:

Formation: **Miss Osage**

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 06:20:22

Tester: Ray Schwager

Time Test Ended: 11:26:07

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Interval: 4243.00 ft (KB) To 4249.00 ft (KB) (TVD)

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Total Depth: 4249.00 ft (KB) (TVD)

2185.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6668 Outside

Press @ Run Depth: psig @ 4246.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.10 End Date: 2013.05.10

Last Calib.: 2013.05.10

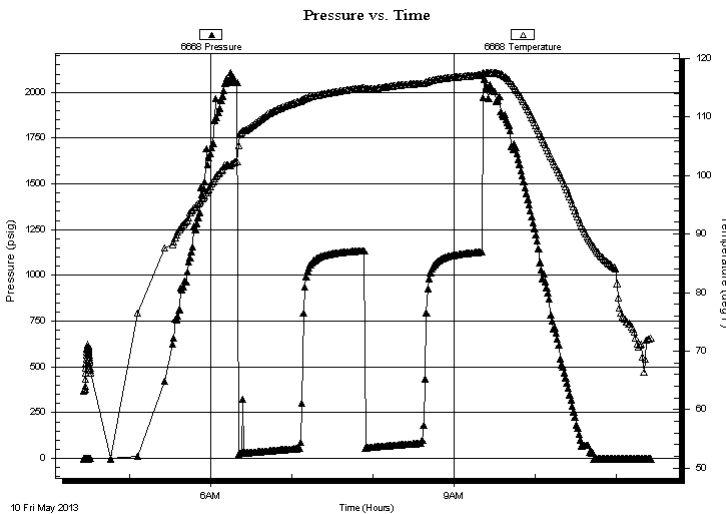
Start Time: 04:25:39 End Time: 11:26:07

Time On Btm:

Time Off Btm:

TEST COMMENT: 45-IFP-w k bl thru-out 1/4" to 2 1/2" bl
45-ISIP-no bl
45-FFP-w k bl thru-out surface to 1/4" bl
45-FSIP-no bl

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW 10%M90%W w/show of oil	1.41
20.00	SOCMW 2%O15%M83%W	0.28
2.00	CO	0.03

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mid-Continent Res Inc

3-19s-21w Ness,KS

PO Box 6
Bazine KS 67316

Grose #6

Job Ticket: 52240

DST#: 2

ATTN: Scott Corsair

Test Start: 2013.05.10 @ 04:25:39

Tool Information

Drill Pipe:	Length: 4214.00 ft	Diameter: 3.80 inches	Volume: 59.11 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 59.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4243.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	6.00 ft			
Tool Length:	34.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4216.00	
Shut In Tool	5.00			4221.00	
Hydraulic tool	5.00			4226.00	
Jars	5.00			4231.00	
Safety Joint	2.00			4233.00	
Packer	5.00			4238.00	28.00 Bottom Of Top Packer
Packer	5.00			4243.00	
Stubb	1.00			4244.00	
Perforations	2.00			4246.00	
Recorder	0.00	8789	Inside	4246.00	
Recorder	0.00	6668	Outside	4246.00	
Recorder	3.00			4249.00	6.00 Bottom Packers & Anchor

Total Tool Length: 34.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mid-Continent Res Inc

3-19s-21w Ness,KS

PO Box 6
Bazine KS 67316

Grose #6

Job Ticket: 52240

DST#: 2

ATTN: Scott Corsair

Test Start: 2013.05.10 @ 04:25:39

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.14 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MW 10%M90%W w/show of oil	1.410
20.00	SOCMW 2%O15%M83%W	0.281
2.00	CO	0.028

Total Length: 142.00 ft

Total Volume: bbl

Num Fluid Samples: 0

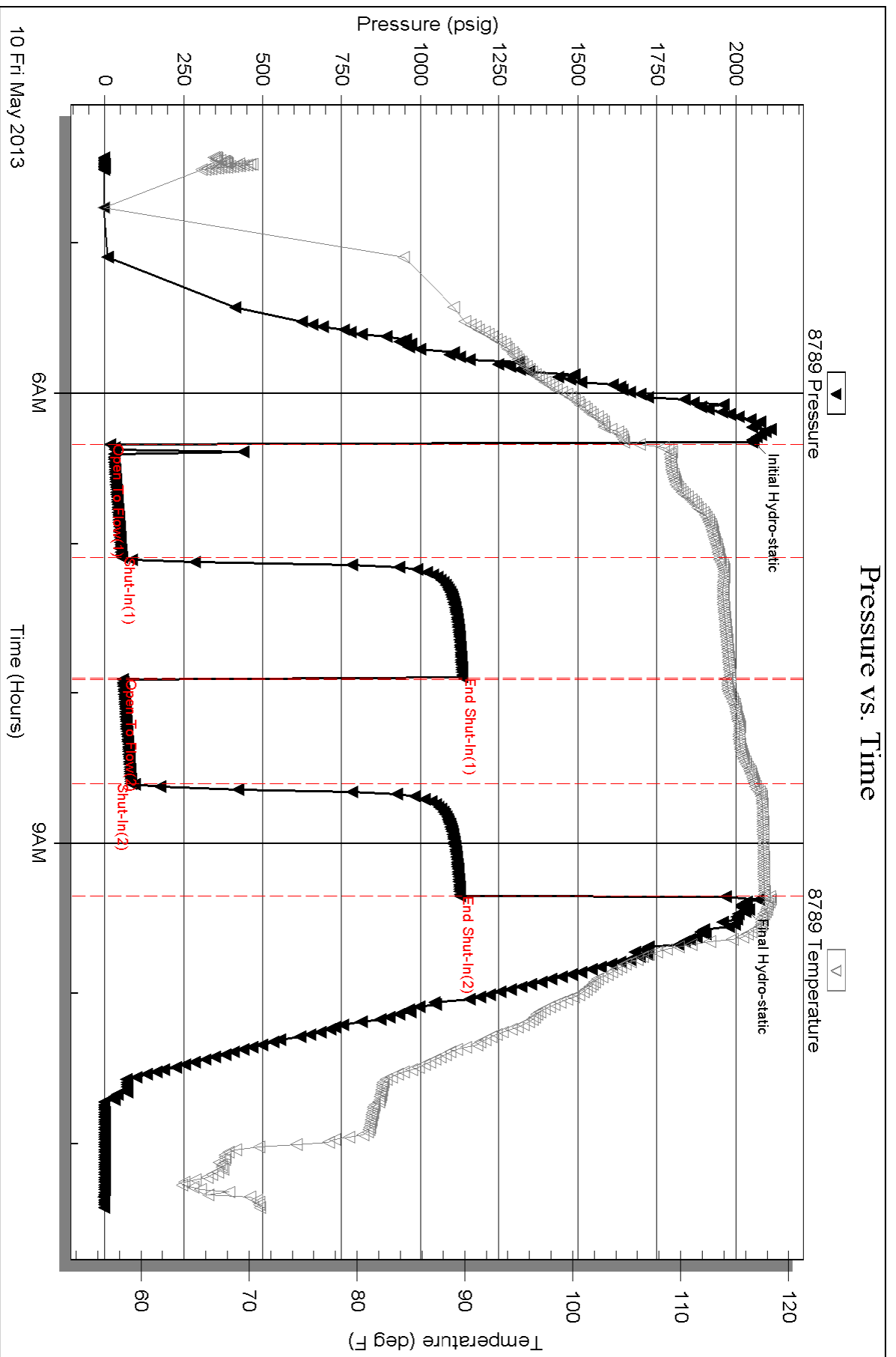
Num Gas Bombs: 0

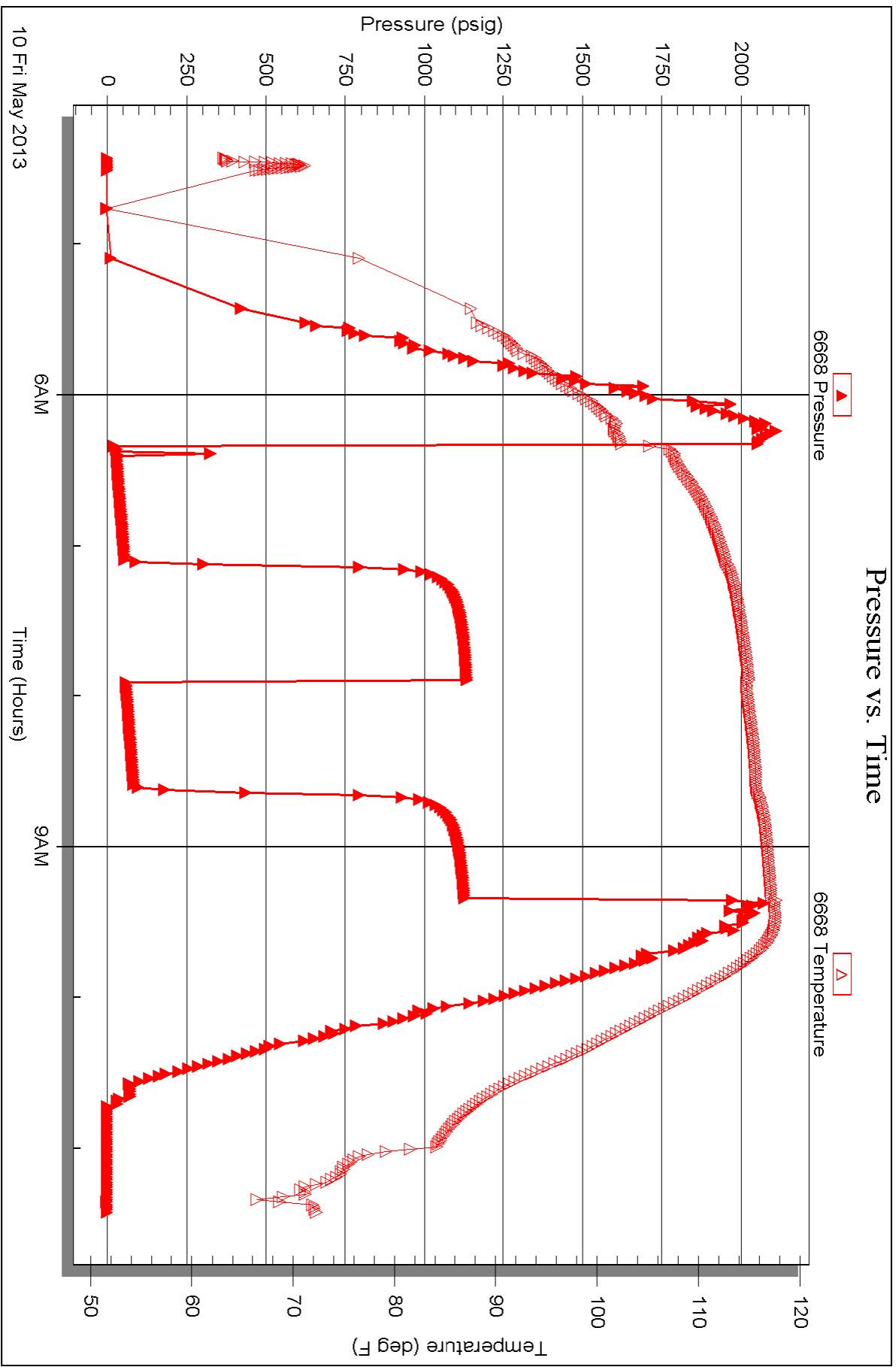
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52239

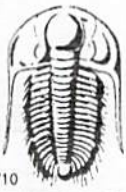
Well Name & No. GROSE #6 Test No. 1 Date 5-9-13
 Company MID-CONTINENT RES INC Elevation 2193 KB 2185 GL
AMERICAN WARRIOR T&E
 Address PO Box 6 ~~67516~~ ~~GARDEN CITY, KS 67846~~ BAZINE, KS 67516
 Co. Rep / Geo. JASON ALM Rig DISCOVERY 193
 Location: Sec. 3 Twp. 19S Rge. 21W Co. NESS State K

Interval Tested 4158-4225 Zone Tested Cher sd.
 Anchor Length 67 Drill Pipe Run 4120 Mud Wt. 9.3
 Top Packer Depth 4153 Drill Collars Run 30 Vis 5.3
 Bottom Packer Depth 4158 Wt. Pipe Run - WL 7.2
 Total Depth 4225 Chlorides 5800 ppm System LCM TR
 Blow Description IFP - WEAK TO A FAIR BLOW 1/2" TO 4" BLOW
ISIP - NO BLOW
FFP - WEAK BLOW THRU-OUT SURFACE TO 1/4" BLOW
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>GIP</u>				
<u>15</u>	<u>CO</u>				
<u>140</u>	<u>OCM</u>		<u>6</u>		<u>94</u>
<u>120</u>	<u>MW w/show of oil</u>			<u>65</u>	<u>35</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 275 BHT 114 Gravity - API RW .20 @ 50 °F Chlorides 26000 ppm
 (A) Initial Hydrostatic 2006 Test 1250 T-On Location 1240
 (B) First Initial Flow 24 Jars 250 T-Started 1420
 (C) First Final Flow 101 Safety Joint 75 T-Open 1620
 (D) Initial Shut-In 346 Circ Sub _____ T-Pulled 1935
 (E) Second Initial Flow 104 Hourly Standby _____ T-Out 2146
 (F) Second Final Flow 148 Mileage 96 RT 148.80 Comments _____
 (G) Final Shut-In 334 Sampler _____
 (H) Final Hydrostatic 1983 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1723.80
 Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Approved By _____ Our Representative RAY SCHWAGER *Thank you*
 Trilobite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52240

Well Name & No. Grose #6 Test No. 2 Date 5-10-13
 Company Mid-Continent Res Inc Elevation 2193 KB 2185 GL
 Address 210 W. Ave A PO Box 6 Bazine, Ko 67516
 Co. Rep / Geo. Jason Alm Rig Discovery 1193
 Location: Sec. 3 Twp. 19^s Rge. 21^w Co. Ness State Ks

Interval Tested 4243-4249 Zone Tested Miss
 Anchor Length 6 Drill Pipe Run 4214 Mud Wt. 9.3
 Top Packer Depth 4238 Drill Collars Run 30 Vis 53
 Bottom Packer Depth 4243 Wt. Pipe Run - WL 7.2
 Total Depth 4249 Chlorides 5800 ppm System LCM TR
 Blow Description IFP - WEAK Blow thru-out 1/4" To 2 1/2" Blow
ISIP - NO Blow
FFP - WEAK Blow thru-out surface to 1/4" Blow
FSIP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>CO</u>				
<u>20</u>	<u>50CMW</u>		<u>2</u>	<u>83</u>	<u>15</u>
<u>120</u>	<u>MW w/show of oil</u>		<u>90</u>	<u>10</u>	

Rec Total 142 BHT 117 Gravity - API RW .25 @ 70 ° F Chlorides 28000 ppm

(A) Initial Hydrostatic 2052 Test 1250 T-On Location 0320
 (B) First Initial Flow 17 Jars 250 T-Started 0425
 (C) First Final Flow 53 Safety Joint 75 T-Open 0615
 (D) Initial Shut-In 1134 Circ Sub T-Pulled 0915
 (E) Second Initial Flow 57 Hourly Standby T-Out 1126
 (F) Second Final Flow 83 Mileage 148.80 Comments _____
 (G) Final Shut-In 1127 Sampler _____
 (H) Final Hydrostatic 2018 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Sub Total 1723.80
 Total 1723.80
 MP/DST Disc't _____

Approved By _____ Our Representative RAY SCHWAGER Thank you

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Geological Report

Mid-Continent Resources, Inc.

Grose #6

1660' FNL & 480' FEL

Sec. 3 T19s R21w

Ness County, Kansas



Mid-Continent Resources, Inc.

General Data

Well Data: Mid-Continent Resources, Inc.
Grose #6
1660' FNL & 480' FEL
Sec. 3 T19s R21w
Ness County, Kansas
API # 15-135-25573-0000

Drilling Contractor: Discovery Drilling Co., Inc. Rig #3

Geologist: Jason T Alm

Spud Date: May 4, 2012

Completion Date: May 11, 2013

Elevation: 2185' Ground Level
2193' Kelly Bushing

Directions: Bazine KS, East on Hwy 96 4 mi. to the HH Rd.
South 1 1/2 mi. West into location next to tank
batteries.

Casing: 220' 8 5/8" surface casing
4248' 5 1/2" production casing

Samples: 10' wet and dry, 3900' to RTD

Drilling Time: 3600' to RTD

Electric Logs: Pioneer Energy Services "Dan Schmidt"
CNL/CDL, DIL

Drillstem Tests: Two, Trilobite Testing, Inc. "Ray Schwager"

Problems: None

Remarks: None

Formation Tops

Formation	Mid-Continent Res. Grose #6 Sec. 3 T19s R21w 1660' FNL & 480' FEL
Anhydrite	1393', +800
Base	1426', +767
Heebner	3632', -1439
Lansing	3674', -1481
BKc	3992', -1799
Pawnee	4078', -1885
Fort Scott	4145', -1952
Cherokee	4160', -1967
Mississippian	4240', -2047
RTD	4249', -2056
LTD	4249', -2056

Sample Zone Descriptions

Cherokee "A" Sand (4163', -1970): **Covered in DST #1**
 SS – Quartz, frosted, fine to medium grained, poorly sorted, sub-angular, fairly cemented with poor to fair inter-granular porosity, light to fair spotted oil stain in cluster, slight show of free oil when broken, no odor, 23 units hotwire.

Cherokee "C" Sand (4218', -2025): **Covered in DST #1**
 SS – Quartz, clear to slightly frosted, fine to medium grained, poorly sorted, sub-rounded, fair to poor cementation with fair inter-granular porosity, light to fair spotted oil stain in cluster, slight show of free oil when broken, no odor, fair cut fluorescents, 18 units hotwire.

Mississippian Osage (4240', -2047): **Covered in DST #2**
 Δ – Dolo – Fine sucrosic crystalline with poor to fair inter-crystalline and vuggy porosity, very heavy slightly triptolic chert, weathered with good scattered vuggy porosity, light to fair oil stain in porosity, show of free oil, strong odor, dull to fair yellow fluorescents.

Drill Stem Tests
 Trilobite Testing, Inc.
 "Ray Schwager"

DST #1

Cherokee Sands

Interval (4158' – 4225') Anchor Length 67'

IHP	– 2006 #	
IFP	– 45" – Built to 4 in.	24-101 #
ISI	– 45" – Dead	346 #
FFP	– 45" – Built to 1¼ in.	104-148 #
FSI	– 60" – Dead	335 #
FHP	– 1983 #	
BHT	– 114°F	

Recovery:	60' GIP	
	15' GCO	
	140' OCM	6% Oil
	120' MW w/ oil spots	65% Water

DST #2

Mississippian Osage

Interval (4243' – 4249') Anchor Length 6'

IHP	– 2052 #	
IFP	– 45" – Built to 2½ in.	17-54 #
ISI	– 45" – Dead	1134 #
FFP	– 45" – Built to ¼ in.	57-83 #
FSI	– 45" – Dead	1127 #
FHP	– 2018 #	
BHT	– 118°F	

Recovery:	2' CO	
	20' SOCMW	2% Oil, 83% Water
	120' MW w/ oil spots	90% Water

Structural Comparison

	Mid-Continent Res. Grose #6 Sec. 3 T19s R21w 1660' FNL & 480' FEL	Mid-Continent Res. Grose #4 Sec. 3 T19s R21w 1760' FNL & 770' FEL		Mid-Continent Res. Grose #3 Sec. 3 T19s R21w 1470' FNL & 330' FEL	
Formation					
Anhydrite	1393', +800	1390', +804	(-4)	1392', +801	(-1)
Base	1426', +767	NA	NA	NA	NA
Heebner	3632', -1439	3642', -1448	(+9)	3630', -1437	(-2)
Lansing	3674', -1481	3686', -1492	(+11)	3680', -1487	(-6)
BKc	3992', -1799	NA	NA	NA	NA
Pawnee	4078', -1885	4082', -1888	(+3)	4074', -1881	(-4)
Fort Scott	4145', -1952	4147', -1953	(+1)	4146', -1953	(+1)
Cherokee	4160', -1967	4163', -1969	(+2)	4161', -1968	(+1)
Mississippian	4240', -2047	4238', -2044	(-3)	4230', -2037	(-10)

Summary

The location for the Grose #6 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two drill stem tests were conducted one of which recovered commercial amounts of oil from the Cherokee Sand Formation. After all gathered data had been examined the decision was made to run 5½ inch production casing to further evaluate the Grose #6 well.

Recommended Perforations

Primary:

Cherokee "C" Sand (4218' – 4224') DST #1

Secondary:


**Cherokee "A" Sand (4163' – 4168') DST #1
(4171' – 4178')**

Before Abandonment:

**Cherokee "B" Sand (4200' – 4208') DST #1
Mississippian Osage (4240' – 4245') DST #2**

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



Geologic Report

Drilling Time and Sample Log

Operator Mid-Continent Resources, Inc.		KB Elevation 2193'	
Lease Grose	No. 6	DF 2185'	
API # 15-135-25573-0000		Casing Record Surface 8 5/8" @ 220'	
Field Ryersee		Production 5 1/2" @ 4248'	
Location 1660' FNL & 480' FEL		Electrical Surveys CNL/CDL, DIL	
Sec. 3	Twp. 19s	Rge. 21w	
County Ness	State Kansas		
Formation	Log Tops	Sample Tops	Struct Comp
Anhydrite	1393'+800	1393'+800	-4
Base	1426'+767	1425'+768	
Heebner	3632'-1439	3633'-1440	+9
Lansing	3674'-1481	3676'-1483	+11
BkC	3992'-1799	3992'-1799	
Pawnee	4078'-1885	4079'-1886	+3
Fort Scott	4145'-1952	4147'-1954	+1
Cherokee	4160'-1967	4161'-1968	+2
Mississippian	4240'-2047	4241'-2048	-3
Total Depth	4249'-2056	4249'-2056	
Reference Well For Structural Comparison Mid-Continent Resources, Inc. Grose #4 1760' FNL & 770' FEL Sec. 3 T19s R21w Ness Co. Kansas			

Drilling Contractor	Discovery Drilling Co. Inc.	Rig #3
Commenced	5-4-2013	Completed 5-11-2013
Samples Saved From	3900'	To RTD
Drilling Time Kept From	3600'	To RTD
Samples Examined From	3900'	To RTD
Geological Supervision From	3900'	To RTD

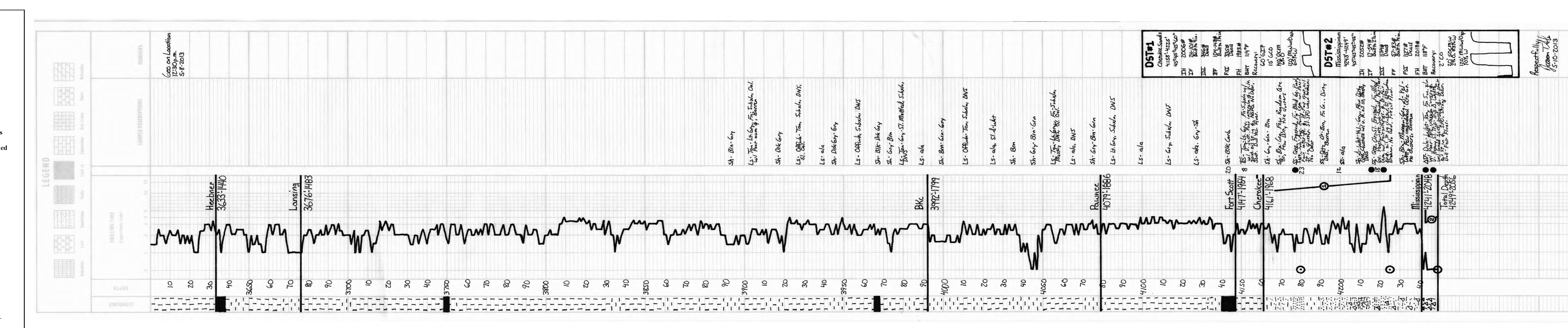
Displacement 3500' Mud Type Chemical

Summary and Recommendations

The location for the Grose #6 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two drill stem tests were conducted one of which recovered commercial amounts of oil from the Cherokee Sand Formation. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Grose #6 well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



Respectfully,
Jason T Alm
5-10-2013

ALLIED OIL & GAS SERVICES, LLC 059317

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend

DATE <u>5-4-13</u>	SEC. <u>3</u>	TWP. <u>19S</u>	RANGE <u>21W</u>	CALLED OUT <u>5-3-13</u>	ON LOCATION <u>3:15 PM</u>	JOB START	JOB FINISH
LEASE <u>Gruse</u>	WELL # <u>6</u>	LOCATION <u>Alexander W to HH Prod</u>			COUNTY <u>Noss</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		<u>1 1/2 mi S W into</u>					

CONTRACTOR <u>Discovery Drilling</u>	OWNER <u>Mud Continental Resources</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>10 1/4</u>	T.D. <u>225</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>207.71</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>500</u>	MINIMUM
MEAS. LINE	SHOE JOINT <u>10</u>
CEMENT LEFT IN CSG. <u>.636 bbl</u>	
PERFS.	
DISPLACEMENT <u>13.34</u>	

CEMENT	
AMOUNT ORDERED <u>150 sacks class A</u>	
<u>3.1 cc 2 1/2 gal</u>	
COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
ASC	@
HANDLING	@
MILEAGE	@

EQUIPMENT

PUMP TRUCK # <u>597</u>	CEMENTER <u>Patrick Helgeson</u>
BULK TRUCK # <u>610</u>	HELPER <u>Kevin Eddy</u>
BULK TRUCK #	DRIVER <u>Don Cooper</u>
BULK TRUCK #	DRIVER

REMARKS:

Pumped spacer 5 bbl Pumped cement 36 bbl @ 15.2 BPG. Pumped Displacement - Water - 13.34 bbl Start In.

Checked 20 bbl cement to surface

CHARGE TO: Mud Continental Resources
STREET P.O. Box 399
CITY Cardon City STATE KS ZIP 67846

To: Allied Oil & Gas Services, 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 PAUL GASCHER
SIGNATURE Paul Gascher

TOTAL	_____
SERVICE	
DEPTH OF JOB	_____
PUMP TRUCK CHARGE	_____
EXTRA FOOTAGE	@ _____
MILEAGE	@ _____
MANIFOLD	@ _____
	@ _____
	@ _____
TOTAL	_____

PLUG & FLOAT EQUIPMENT

_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
TOTAL	_____

SALES TAX (If Any) _____
TOTAL CHARGES _____
DISCOUNT _____ IF PAID IN 30 DAYS



CHARGE TO: MID CONTINENT RESOURCES
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET NO: 24700

PAGE 1 OF 2

SEVEN LOCATION: 1. NESS CITY, KS

WELL/PROJECT NO.: LEASE: GROSE #6
 CONTRACTOR: DISCOVERY DRILLING #3
 TICKET TYPE: SERVICE SALES
 WELL TYPE: OIL
 WELL CATEGORY: DEVELOPMENT
 JOB PURPOSE: 52 HORSESTRING
 STATE: KS CITY: BAZINE, KS
 DATE: 10 MAY 13
 ORDER NO.: _____
 OWNER: _____
 WELLS PERMIT NO.: _____
 WELL LOCATION: 4E125 W I 100

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #115	80	MIL			6.00	120.00
578					PUMP CHARGE	1500				1.50	1500.00
403					CEMENT BASKETS	2	E.A.			285.00	570.00
404					FD RT COLLAR	1	E.A.	1388	FT.	265.00	265.00
406					KATCH DOWN PUMP & BARE	1	E.A.			275.00	275.00
407					INSERT FLOAT SHOE W/ AUTO FILL	1	E.A.			375.00	375.00
409					TURBOWELTER	5	E.A.			90.00	450.00
419					ROTATING HEAD RENTAL	1	E.A.			200.00	200.00
281					LIQUID KCL	2	E.A.			57.00	114.00
281					MUD FLUSH	5	E.A.			28.50	142.50

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: 11 May 13
 TIME SIGNED: 0245 P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	TAX	TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				6815		6815.00
WE UNDERSTOOD AND MET YOUR NEEDS?				4662		4662.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				1477		1477.00
WE RENTED THE EQUIPMENT AND PERFORMED JOB ON CALIFORNIA CONTRACTORS SATISFACTORILY?						
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						

SWIFT OPERATOR: [Signature]
 APPROVAL: [Signature]
 Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 24760

CUSTOMER: MID BUDGET RES. WELL: GROSE # 6 DATE: 10 May 13 PAGE 2 OF 2

QTY	DESCRIPTION	UNIT	PRICE	TOTAL
276	FOUR	SD/lbs	2.90	1000.00
283	SALT	900/lbs	1.80	1800.00
284	CAUSEAL	8.5x	35.00	2800.00
292	HACAN 322	125/lbs	7.75	968.75
290	D-AIR	2 spc	42.00	84.00
325	STANDARD CEMENT EA2	175.5x	14.00	2450.00
581	SERVICE CHARGE	175.5x	2.00	350.00
582	TOTAL	183.25	250.00	250.00
				4662.75

JOB LOG

SWIFT Services, Inc.

DATE 10 MAY 13 PAGE NO.

CUSTOMER MIDCONTINENT RES.

WELL NO.

LEASE GROSE # 6

JOB TYPE 52 LONGSTRING

TICKET NO. 24760

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2130							ON LOCATION
	2300							START PIPE 5'2" - 15.5" RTD @ 4249 LTD @ 4248 SHOE IT. 4334 CENTRALIZERS 1, 2, 3, 4, 6, 6 BASKETS 5, 6, 7 PORT COLLAR #67 @ 1388
	0043							DROP BALL - CIRCULATE.
	0118	6	12				300	Pump 500 gal mud FLUSH
		6	20				300	Pump 20 BW KCL FLUSH
	0125		7.5					PLUG RH (30sx) - MH - (20sx)
	0129	4	30					MIX 125sx EA-2
	0140							WASH OUT Pump & LINES.
	0143	6						START DISPLACING PLUG.
	0200	Ø	100				1500	PLUG DOWN - PSI up - LATCH PLUG IN
	0203							RELEASE PSI - DRY
	0210							WASH TRUCK
	0230							JOB COMPLETE
								THANKS #115
								JASON JEFF JOHN



CHARGE TO: MID CONTINENT RESOURCES
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET NO. 24774

PAGE 1 OF

SEMI-LOCATIONS: 1. NESS CITY, KS

WELL/PROJECT NO.: _____

LEASE: GROSE #6

COUNTY: NESS

STATE: KS

CITY: BRAINE, KS

DATE: 31 May 13

OWNER: _____

TICKET TYPE: SERVICE SALES

CONTRACTOR: HD DUFFIELD SERV.

RIG NAME NO.: _____

ORDER NO.: _____

WELL TYPE: OIL

WELL CATEGORY: DEVELOPMENT

JOB PURPOSE: CEMENT PORT DOLLAR

WELL PERMIT NO.: _____

WELL LOCATION: 4E 25S W15T0

INVOICE INSTRUCTIONS: _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT								
575				MILEAGE #115	20	MIL				4.00	120.00
576B				PUMP CHARGE	1	HR				1500.00	1500.00
105				PORT DOLLAR OPENING TOOL	1	HR				350.00	350.00
288				SAND	1	SK				22.00	22.00
276				FLOCCIE	33	WBS				22.00	726.00
290				D-AIR	1	HR				42.00	42.00
330				SMD CEMENT	185	SK				17.00	3125.00
581				CEMENT SERVICE CHARGE	175	SK				2.00	350.00
058a				MINIMUM DRAYAGE	17390	lbs				17390.00	250.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: 31 May 13

TIME SIGNED: 11:15

BY: [Signature]

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 4825

TOTAL: 4989.12

TAX: 7.5% = 164.12

SWIFT OPERATOR: [Signature]

APPROVAL: [Signature]

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

Thank You!

