



KANSAS CORPORATION COMMISSION 1115089
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- 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: _____



1115089

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 5
Doc ID	1115089

Tops

Name	Top	Datum
Anhydrite	1378	803
Chase	2248	-67
Heebner	3620	-1439
Lansing	3664	-1483
Base Kansas City	3979	-1798
Pawnee	4066	-1885
Ft. Scott	4130	-1949
Cherokee	4145	-1964
Mississippian	4214	-2033
LTD	4230	-2049

Geological Report

Mid-Continent Resources, Inc.

Grose #5

335' FNL & 700' FEL

Sec. 3 T19s R21w

Ness County, Kansas



Mid-Continent Resources, Inc.

General Data

Well Data: Mid-Continent Resources, Inc.
Grose #5
335' FNL & 700' FEL
Sec. 3 T19s R21w
Ness County, Kansas
API # 15-135-25504-0000

Drilling Contractor: Petromark Drilling, LLc. Rig #1

Geologist: Jason T Alm

Spud Date: December 27, 2012

Completion Date: January 3, 2013

Elevation: 2175' Ground Level
2181' Kelly Bushing

Directions: Bazine KS, East on Hwy 96 4 mi. South 1 1/2 mi. to
120 rd. West 1/8 mi. South into location.

Casing: 222' 8 5/8" surface casing
4229' 5 1/2" production casing

Samples: 10' wet and dry, 4000' to RTD

Drilling Time: 3600' to RTD

Electric Logs: Log-Tech, Inc. "Dan Martin"
CNL/CDL, DIL

Drillstem Tests: Two, Trilobite Testing, Inc. "Dustin Rash"

Problems: Premix Tank engine blew up while circulating fluid
during logging.

Remarks: Due to engine failure we were not able to run a
Desco flush before cementing.

Formation Tops

Formation	Mid-Continent Res. Grose #5 Sec. 3 T19s R21w 335' FNL & 700' FEL
Anhydrite	1378', +803
Base	1412', +769
Chase	2248', -67
Heebner	3620', -1439
Lansing	3664', -1483
BKc	3979', -1798
Pawnee	4066', -1885
Fort Scott	4130', -1949
Cherokee	4145', -1964
Mississippian	4214', -2033
Osage	4217', -2036
RTD	4230', -2049
LTD	4230', -2049

Sample Zone Descriptions

Cherokee "A" Sand (4147', -1966): **Covered in DST #1**
 SS – Quartz, clear to slightly frosted, fine to medium grained, fairly rounded, poor to fairly sorted, poorly cemented with fair to good inter-granular porosity, light to fair oil stain and saturation in cluster, slight show of free oil when broken, no odor, dull scattered yellow fluorescents, 25 units hotwire.

Mississippian Osage (4217', -2036): **Covered in DST #2**
 Dolo – Δ – Fine sucrosic crystalline with poor to fair inter-crystalline and vuggy porosity, heavy triptolitic chert, weathered with good vuggy porosity, light to fair oil stain, fair show of free oil, good odor, good yellow fluorescents, 46 units hotwire.

Drill Stem Tests
Trilobite Testing, Inc.
"Dustin Rash"

DST #1

Cherokee "A" Sand

Interval (4142' – 4165') Anchor Length 23'

IHP	– 2021 #	
IFP	– 45" – B.O.B. 8 min.	31-97 #
ISI	– 45" – Dead	133 #
FFP	– 45" – Built to 3 in. Died back to 2 in.	100-126 #
FSI	– 45" – Dead	133 #
FHP	– 2016 #	
BHT	– 114°F	

Recovery: 20' GCO
226' MW

DST #2

Mississippian Osage

Interval (4219' – 4227') Anchor Length 8'

IHP	– 2076 #	
IFP	– 45" – B.O.B. 44 min.	36-70 #
ISI	– 45" – W.S.B.	1108 #
FFP	– 45" – B.O.B. 45 min.	72-92 #
FSI	– 45" – W.S.B.	1084 #
FHP	– 2035 #	
BHT	– 114°F	

Recovery: 62' GIP
62' GCO
124' GWMCO 70% Oil, 5% Water

Structural Comparison

Formation	Mid-Continent Res. Grose #5 Sec. 3 T19s R21w 335' FNL & 700' FEL	Alpine Oil & Royalty Grose #1 Sec. 3 T19s R21w C NE NE	American Warrior, Inc. Price #10 Sec. 34 T18s R21w 330' FSL & 1300' FEL
Anhydrite	1378', +803	1385', +795	1398', +798
Base	1412', +769	NA	NA
Chase	2248', -67	NA	NA
Heebner	3620', -1439	3621', -1441	3640', -1444
Lansing	3664', -1483	3665', -1485	3885', -1489
BKc	3979', -1798	3982', -1802	NA
Pawnee	4066', -1885	4070', -1890	4092', -1896
Fort Scott	4130', -1949	4137', -1957	4155', -1959
Cherokee	4145', -1964	4152', -1972	4171', -1975
Mississippian	4214', -2033	4224', -2044	4298', -2102
Osage	4217', -2036	NA	NA

Summary

The location for the Grose #5 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 Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5½ inch production casing to further evaluate the Grose #5 well.

Recommended Perforations

Primary:

Mississippian Osage	(4217' – 4227')	DST #2
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Before Abandonment:

Cherokee "A" Sand	(4147' – 4152')	DST #1
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Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

POBox 399
Garden City, KS 67846

ATTN: Jason Alm

Grose #5

3-19s-21w Ness,KS

Start Date: 2013.01.02 @ 03:46:30

End Date: 2013.01.02 @ 10:07:00

Job Ticket #: 51671 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.01.09 @ 11:00:59

American Warrior, Inc
3-19s-21w Ness,KS
Grose #5
DST # 1
Cherokee "A" Sand
2013.01.02



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc
 POBox 399
 Garden City, KS 67846
 ATTN: Jason Alm

3-19s-21w Ness,KS

Grose #5

Job Ticket: 51671

DST#: 1

Test Start: 2013.01.02 @ 03:46:30

GENERAL INFORMATION:

Formation: **Cherokee "A" Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:27:30

Time Test Ended: 10:07:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: 4142.00 ft (KB) To 4165.00 ft (KB) (TVD)

Reference Elevations: 2181.00 ft (KB)

Total Depth: 4165.00 ft (KB) (TVD)

2175.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8520 Outside

Press @ RunDepth: 125.94 psig @ 4144.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.01.02

End Date: 2013.01.02

Last Calib.: 2013.01.02

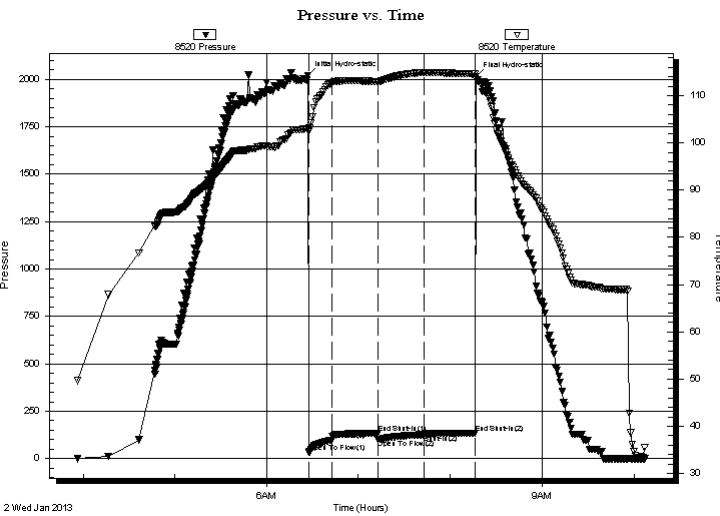
Start Time: 03:56:30

End Time: 10:07:00

Time On Btm: 2013.01.02 @ 06:27:00

Time Off Btm: 2013.01.02 @ 08:17:00

TEST COMMENT: IF-Fair building blow . BOB in 8 minutes 30 seconds.
 IS- Weak surface return @ 5 minutes.
 FF-Weak building blow . Built to 3 inches. Died to 2 inches.
 FS-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2021.48	102.94	Initial Hydro-static
1	31.74	102.49	Open To Flow (1)
16	97.78	112.72	Shut-In(1)
46	132.84	112.97	End Shut-In(1)
46	100.39	112.95	Open To Flow (2)
76	125.94	114.86	Shut-In(2)
109	133.05	114.57	End Shut-In(2)
110	2016.20	113.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
181.00	90%Water/10%Mud	1.45
45.00	50%Water/50%Mud	0.63
20.00	100%Oil	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc

3-19s-21w Ness,KS

POBox 399
Garden City, KS 67846

Grose #5

Job Ticket: 51671

DST#: 1

ATTN: Jason Alm

Test Start: 2013.01.02 @ 03:46:30

Tool Information

Drill Pipe:	Length: 4025.00 ft	Diameter: 3.80 inches	Volume: 56.46 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	26000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	10000.00 lb
			<u>Total Volume: 57.05 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	4142.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	23.00 ft				
Tool Length:	51.00 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			4115.00	
Shut In Tool	5.00			4120.00	
Hydraulic tool	5.00			4125.00	
Jars	5.00			4130.00	
Safety Joint	3.00			4133.00	
Packer	5.00			4138.00	28.00 Bottom Of Top Packer
Packer	4.00			4142.00	
Stubb	1.00			4143.00	
Perforations	1.00			4144.00	
Recorder	0.00	8354	Inside	4144.00	
Recorder	0.00	8520	Outside	4144.00	
Perforations	18.00			4162.00	
Bullnose	3.00			4165.00	23.00 Bottom Packers & Anchor

Total Tool Length: 51.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc

3-19s-21w Ness,KS

POBox 399
Garden City, KS 67846

Grose #5

Job Ticket: 51671

DST#: 1

ATTN: Jason Alm

Test Start: 2013.01.02 @ 03:46:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.58 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
181.00	90%Water/10%Mud	1.455
45.00	50%Water/50%Mud	0.631
20.00	100%Oil	0.281

Total Length: 246.00 ft

Total Volume: 2.367 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

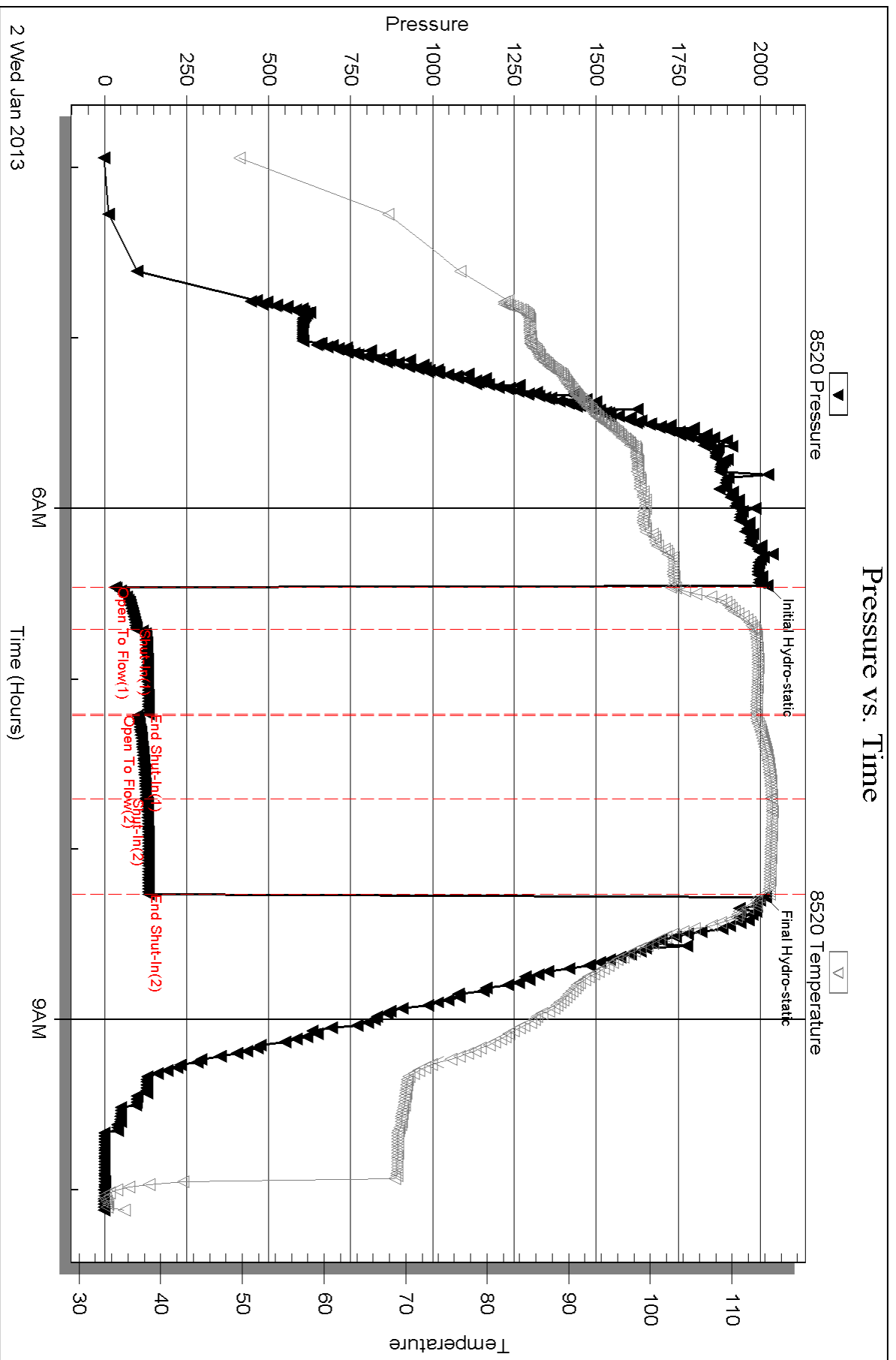
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



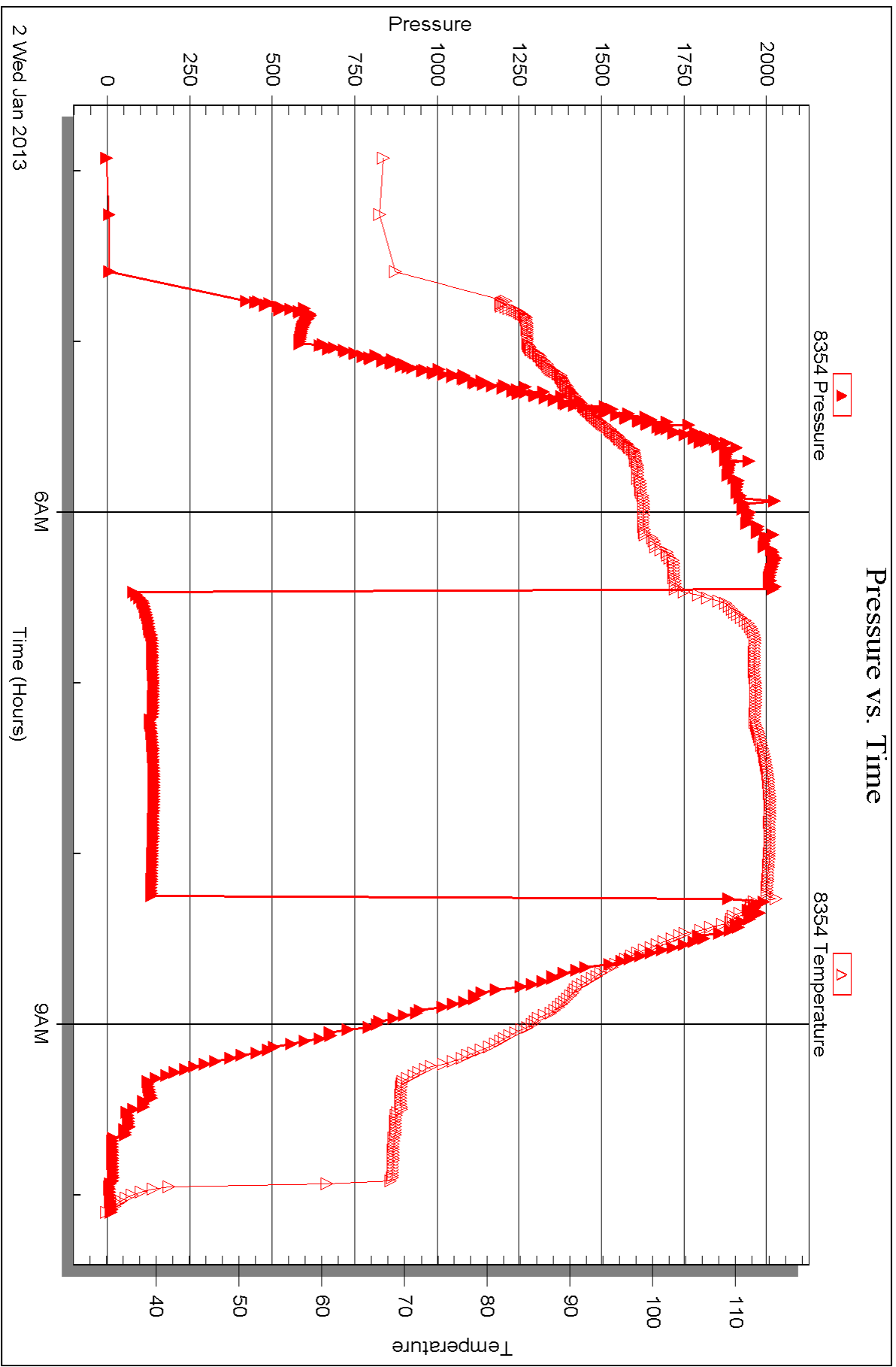
Serial #: 8354

Inside

American Warrior, Inc

Groser #5

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 51671

Printed: 2013.01.09 @ 11:01:04



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

POBox 399
Garden City, KS 67846

ATTN: Jason Alm

Grose #5

3-19s-21w Ness,KS

Start Date: 2013.01.02 @ 19:40:30

End Date: 2013.01.03 @ 04:16:00

Job Ticket #: 51672 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.01.09 @ 11:00:10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc
POBox 399
Garden City, KS 67846
ATTN: Jason Alm

3-19s-21w Ness,KS

Grose #5

Job Ticket: 51672

DST#: 2

Test Start: 2013.01.02 @ 19:40:30

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:23:00
 Time Test Ended: 04:16:00
 Interval: **4219.00 ft (KB) To 4227.00 ft (KB) (TVD)**
 Total Depth: 4227.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Rash
 Unit No: 66
 Reference Elevations: 2181.00 ft (KB)
 2175.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8354

Inside

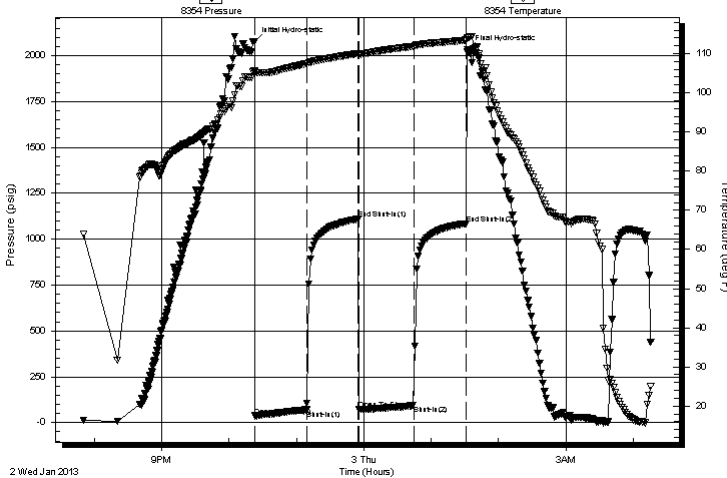
Press @ Run Depth: 92.64 psig @ 4221.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.02 End Date: 2013.01.03 Last Calib.: 2013.01.03
 Start Time: 19:50:30 End Time: 04:16:00 Time On Btm: 2013.01.02 @ 22:22:30
 Time Off Btm: 2013.01.03 @ 01:32:30

TEST COMMENT: IF-Weak building blow . BOB @ 44 minutes.
 ISI-Weak surface return @ 4 1/2 minutes. Died @ 17 minutes.
 FF-Weak building blow . BOB @ 45 minutes.
 FSI-Return @ 3 minutes. Died @ 11 minutes.

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2076.80	105.55	Initial Hydro-static
1	36.68	105.11	Open To Flow (1)
47	70.11	107.45	Shut-In(1)
92	1108.35	110.00	End Shut-In(1)
93	72.72	109.84	Open To Flow (2)
142	92.64	111.90	Shut-In(2)
189	1083.89	113.45	End Shut-In(2)
190	2032.99	114.03	Final Hydro-static

Pressure vs. Time



Recovery

Length (ft)	Description	Volume (bbl)
124.00	10%Gas/70%Oil/5%Water/15%Mud	0.66
62.00	40%Gas/60%Oil	0.87
0.00	62' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc

3-19s-21w Ness, KS

POBox 399
Garden City, KS 67846

Grose #5

Job Ticket: 51672

DST#: 2

ATTN: Jason Alm

Test Start: 2013.01.02 @ 19:40:30

Tool Information

Drill Pipe:	Length: 4089.00 ft	Diameter: 3.80 inches	Volume: 57.36 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	5000.00 lb
			<u>Total Volume: 57.95 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	4219.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	8.00 ft				
Tool Length:	36.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4192.00	
Shut In Tool	5.00			4197.00	
Hydraulic tool	5.00			4202.00	
Jars	5.00			4207.00	
Safety Joint	3.00			4210.00	
Packer	5.00			4215.00	28.00 Bottom Of Top Packer
Packer	4.00			4219.00	
Stubb	1.00			4220.00	
Perforations	1.00			4221.00	
Recorder	0.00	8354	Inside	4221.00	
Recorder	0.00	8520	Outside	4221.00	
Perforations	3.00			4224.00	
Bullnose	3.00			4227.00	8.00 Bottom Packers & Anchor

Total Tool Length: 36.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc
POBox 399
Garden City, KS 67846
ATTN: Jason Alm

3-19s-21w Ness,KS
Grose #5
Job Ticket: 51672 **DST#: 2**
Test Start: 2013.01.02 @ 19:40:30

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 41 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.98 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 8900.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	10%Gas/70%Oil/5%Water/15%Mud	0.655
62.00	40%Gas/60%Oil	0.870
0.00	62' G.I.P.	0.000

Total Length: 186.00 ft Total Volume: 1.525 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

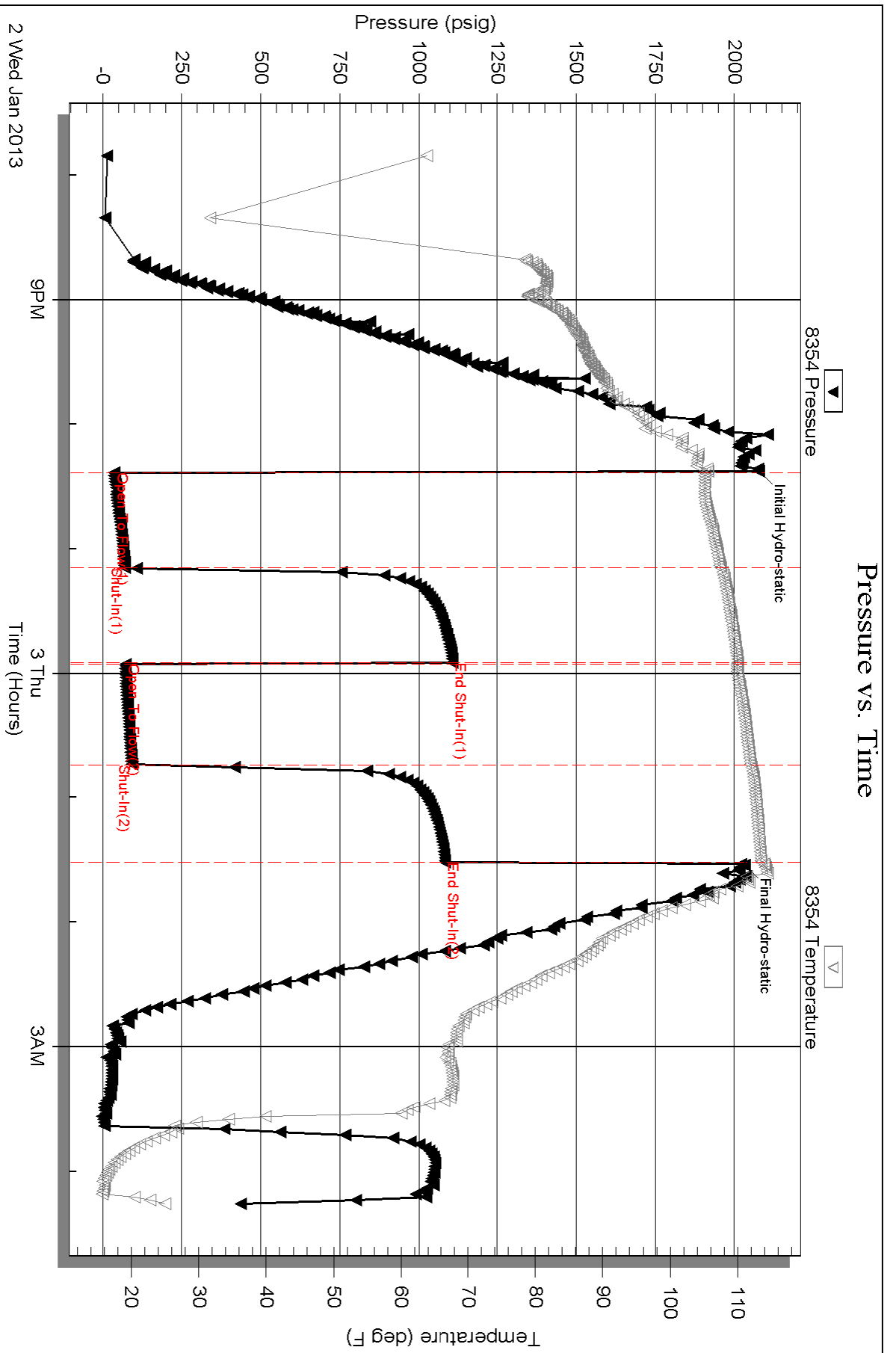
Serial #: 8354

Inside

American Warrior, Inc

Groose #5

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 51672

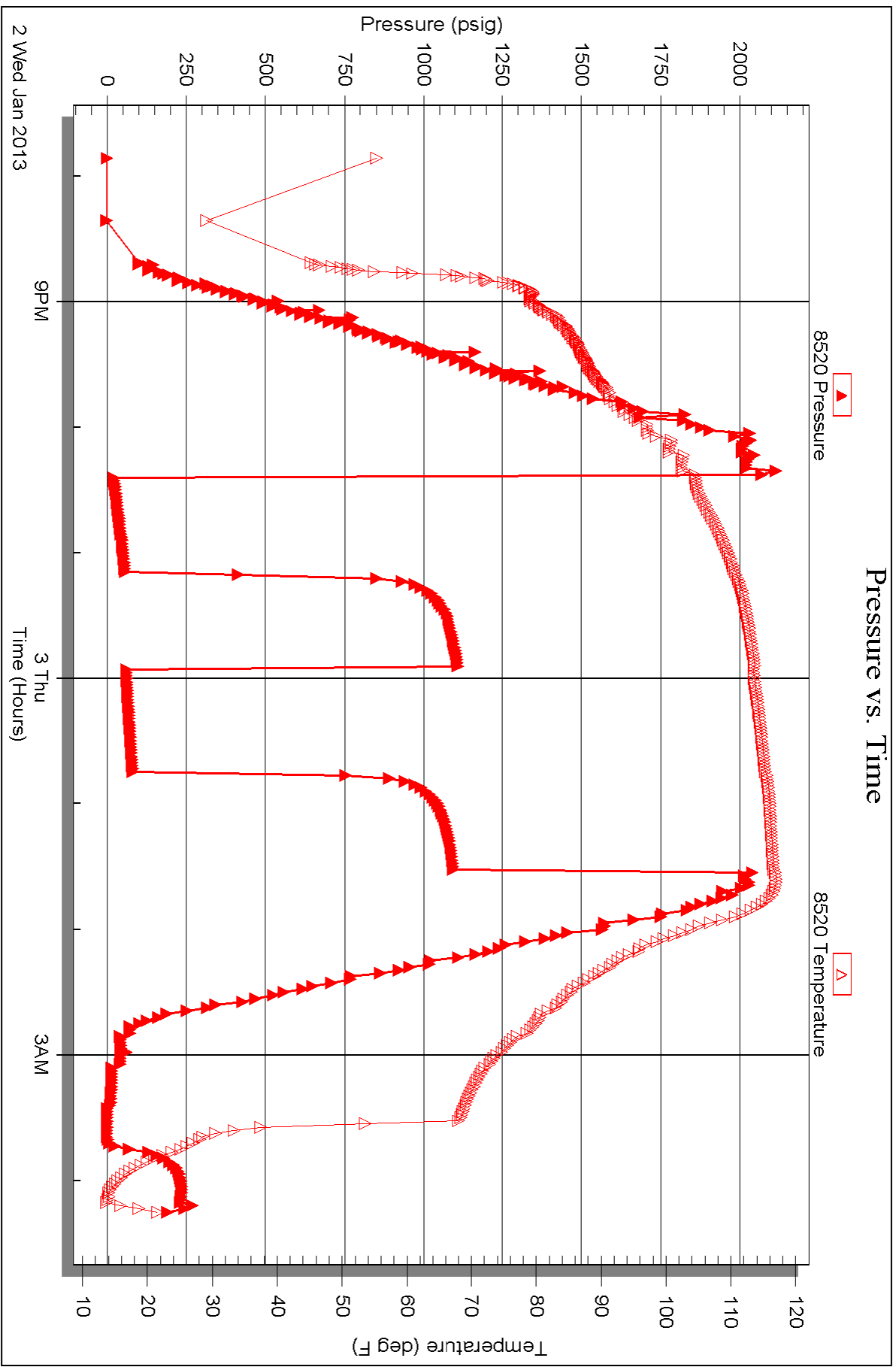
Printed: 2013.01.09 @ 11:00:14

Serial #: 8520

Outside American Warrior, Inc

Grose #5

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51671

Well Name & No. Goose #5 Test No. 1 Date 1-2-13
 Company American Well, Inc. Elevation 2181 KB 2175 GL
 Address P.O. Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jason Alm Rig Petromark
 Location: Sec. 3 Twp. 19S Rge. 21W Co. Ness State KS

Interval Tested 4142-4165 Zone Tested Cherokee "A" Sand
 Anchor Length 23' Drill Pipe Run _____ Mud Wt. 9.2
 Top Packer Depth 4137 Drill Collars Run 118.73 Vis 44
 Bottom Packer Depth 4142 Wt. Pipe Run 0 WL 8.0
 Total Depth 4165 Chlorides 5400 ppm System LCM 0

Blow Description IF - Fair building blow. BOB @ 8 minutes 30 seconds.
TSI - Weak surface return @ 5 minutes,
FF - Weak building blow. Built to 3 inches. Died to 2 inches.
FST No Return,

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Oil</u>	<u>100</u>			
<u>45</u>	<u>Muddy Water</u>			<u>50</u>	<u>50</u>
<u>181</u>	<u>Muddy Water</u>			<u>90</u>	<u>10</u>
____	____	____	____	____	____
____	____	____	____	____	____

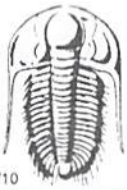
Rec Total 246 BHT 115 Gravity 40 API RW 581 @ 33 °F Chlorides 26,000 ppm

(A) Initial Hydrostatic 2021 Test 1250 T-On Location 0315
 (B) First Initial Flow 32 Jars 250 T-Started 0445
 (C) First Final Flow 98 Safety Joint 75 T-Open 0717
 (D) Initial Shut-In 133 Circ Sub _____ T-Pulled 0905
 (E) Second Initial Flow 100 Hourly Standby _____ T-Out 1100
 (F) Second Final Flow 126 Mileage 50X2 155 Comments BATT-0436
 (G) Final Shut-In 133 Sampler _____
 (H) Final Hydrostatic 2016 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 15 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 30 Extra Copies _____
 Final Shut-In 30 Sub Total 0
 Total 1730
 Sub Total 1730 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51672

Well Name & No. Groose #5 Test No. 2 Date 1-2-13
 Company American Warrior, Inc. Elevation 2181 KB 2175 GL
 Address P.O. Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jason Alm Rig Petromark 2
 Location: Sec. 3 Twp. 19S Rge. 21W Co. Ness State KS

Interval Tested 4219-4227 Zone Tested Mississippian
 Anchor Length 8' Drill Pipe Run 4089 Mud Wt. 9.2
 Top Packer Depth 4214 Drill Collars Run 118.73 Vis 52
 Bottom Packer Depth 4219 Wt. Pipe Run 0 WL 8.0
 Total Depth 4227 Chlorides 8900 ppm System LCM 0#

Blow Description IF- Weak building blow, BOB @ 44 minutes.
FSI- Weak surface return @ 4 1/2 minutes, Died @ 17 minutes.
FF- Weak building blow, BOB @ 45 minutes.
FSI- Return @ 3 minutes, Died @ 11 minutes.

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>Gassy Oil</u>	<u>40</u>	<u>60</u>		
<u>124</u>	<u>GHOCWM</u>	<u>10</u>	<u>70</u>	<u>0.5</u>	<u>15</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>62' G.I.P.</u>	%gas	%oil	%water	%mud

Rec Total 186 BHT 114 Gravity 41 API RW @ _____ °F Chlorides NA ppm

(A) Initial Hydrostatic 2077 Test 1250 T-On Location 1900
 (B) First Initial Flow 37 Jars 250 T-Started 2015
 (C) First Final Flow 70 Safety Joint 75 T-Open 2223
 (D) Initial Shut-In 1108 Circ Sub T-Pulled 0125
 (E) Second Initial Flow 73 Hourly Standby T-Out 0415
 (F) Second Final Flow 93 Mileage 50X2 155 Comments BOTT-1940
 (G) Final Shut-In 1084 Sampler
 (H) Final Hydrostatic 2033 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1730
 Accessibility MP/DST Disc't

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Sub Total 1730

Approved By _____ Our Representative D. Rash

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.

ALLIED OIL & GAS SERVICES, LLC 059150

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Great Bend, KS
12-28-12

DATE <i>12-27-12</i>	SEC. <i>3</i>	TWP. <i>19S</i>	RANGE <i>21W</i>	CALLED OUT	ON LOCATION <i>8:00pm</i>	JOB START <i>12:30AM</i>	JOB FINISH <i>1:30AM</i>
LEASE <i>61958</i>	WELL # <i>5</i>	LOCATION <i>Bozine 1 1/2S 1/2W 5100</i>			COUNTY <i>NOSS</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *Porismark Rig #1*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D.

CASING SIZE *8 5/8* DEPTH *221.70*

TUBING SIZE DEPTH

DRILL PIPE *4 1/2* DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15 Ex*

PERFS.

DISPLACEMENT *13.16 bbl's*

EQUIPMENT

PUMP TRUCK CEMENTER *Dustin Chambers*

397 HELPER *Josh Isaac*

BULK TRUCK

DRIVER *Joel Munahan*

BULK TRUCK

DRIVER

OWNER _____

CEMENT

AMOUNT ORDERED *150 SKS Class A*

34.00 24.00

COMMON @ _____

POZMIX @ _____

GEL @ _____

CHLORIDE @ _____

ASC @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING @ _____

MILEAGE _____

TOTAL _____

REMARKS:

Break circulation with Rig Mud

plug 5 bbl's Freshwater

mix 150 SKS class A 3/4 cc 2-1/2 gal

Rig Mud 13.16 bbl's Freshwater

Cement did circulation

plug Down 1:00AM 12-28-12

Rig Down

ON location 8:00pm - 12-27-12

4 1/2 hr wait time

CHARGE TO: *Mid Continent*

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE @ _____

MILEAGE @ _____

MANIFOLD @ _____

_____ @ _____

_____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

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.

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME *X John Smith*

SIGNATURE *[Signature]*

Thank you!

Date 12-27-12 District Great Bend, KS Ticket No. 51150
 Company Mil Continer Rig perman, k#1
 Lease 61250 Well No. 5
 County Wagon State KS
 Location Bozelle 1425 420 Field _____

CEMENT DATA:
 Spacer Type: Fresh water
 Amt. 56 bbls - Skys Yield _____ ft³/sk Density 6.34 PPG

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 5/8 Type new Weight 24.4 Collar 6.81

LEAD: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
 TAIL: Pump Time thickening hrs. Type class A
3.11 cc 24 gal Excess _____
 Amt. 150 Skys Yield 1.34 ft³/sk Density 15.2 PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Casing Depths: Top KB Bottom 221.70

Pump Trucks Used 348-7255 E
 Bulk Equip. 629-7201 M

Drill Pipe: Size 4 1/2 Weight 16.6 Collars x-hole
 Open Hole: Size 12 1/4 T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 2637 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. 2142 Lin. ft./Bbl. 70.72
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type Freshwater Amt. _____ Bbls. Weight 5.34 PPG
 Mud Type Naval Weight 9.2 PPG

COMPANY REPRESENTATIVE _____

CEMENTER Dustin C

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
						2 1/2 hr corrosion - Rig up Had safety meeting
						Ann 5 1/2 in casing Break circulation with Rig and Hook up cement pump
				56 bbls		pump 56 bbls Fresh water
			40.79	35.79		Mix 150 sks class A 3.11 cc 24 gal
			53.95	13.16		Displace 13.16 bbls Freshwater 9 shut in
						Cement did circulate
						plug Down 1:00 AM 12-28-12
						Rig Down



Services, Inc.

CHARGE TO: **Mr. Conradt Resources**
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET No **23825**

PAGE 1 OF 2

SERVICE LOCATIONS
 1. **Ness City, Ks** WELLS/PROJECT NO. **#5** LEASE **GROSSE** COUNTY/PARISH **Ness** STATE **Ks** CITY _____
 2. _____ CONTRACTOR **Petromax Drilling #1** RIG NAME/NO. _____
 3. _____ WELLS TYPE **Oil** WELLS CATEGORY **Development** JOB PURPOSE **5 1/2" Lateral Drilling** WELLS PERMIT NO. _____
 4. _____ INVOICE INSTRUCTIONS _____

NAME REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT							
575		1		MILEAGE # 114	20	mi			6.00	120.00
578		1		PUMP CHARGE	1	hour	4229	hr	1500.00	1500.00
221		1		HEAVY KIL	2	hour			25.00	50.00
281		1		MUDFLUSH	5	hour			1.25	6.25
402		1		CENTRALIZERS	5	hour			90.00	450.00
403		1		CENSTR BASERS	2	hour			250.00	500.00
404		1		POOR GRADE TOAST # 68	1	hour	1364	hr	2400.00	2400.00
406		1		LATCH DOWN PILE - BATTLE	1	hour			250.00	250.00
407		1		TRUSS FLOOR SHOE w/AUTO FIT	1	hour			350.00	350.00
419		1		ROTATING HEAD BENTAL	1	hour			200.00	200.00

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 **1-3-13** TIME SIGNED **1:00** P.M.
 SWIFT OPERATOR **Wade Johnson**

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	AMOUNT
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	6345.00
TOTAL				11,453.48	

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES
 APPROVAL _____
 THANK YOU!

JOB LOG

SWIFT Services, Inc.

DATE 1-3-13 PAGE NO. 1

CUSTOMER: M&S CONTINENTAL RESOURCES WELL NO. # 5 LEASE GROSE JOB TYPE 5/2" LONGSTRING TICKET NO. 23525

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1600							ON LOCATION
	1645							START 5/2" CASING TO WELL
								TD - 4230 SET = 4229
								TP - 4233 5/2" 15.5
								ST - 44
								CENTRALIZERS - 1, 2, 3, 4, 67
								CMT BSPTS - 5, 68
								PORT COLLAR - 1364 TOPTT # 68
	1845							DROP BALL - CIRCULATE ROTATE
	1925	6	12		✓		450	PUMP 500 GAL MUD FLUSH
	1927	6	20		✓		450	PUMP 20 BBLS KCL-FLUSH
	1935		7					PLUG RH (30 SKS)
	1940	4	35		✓		200	MIX CEMENT - 145 SKS EA-2 = 15.4 PPG
	1950							WASH OUT PUMP - LINES
	1950							RELEASE LATCH DOWN PLUG
	1955	7	0		✓			DISPLACE PLUG
		7	90				600	SHUT OFF ROTATING
	2008	6	99.7				1500	PLUG DOWN - PSE UP LATCH IN PLUG
	2010						OK	RELEASE PSE - HELD
								WASH TRUCK
	2100							JOB COMPLETE

THANK YOU
WAYNE, BLAZNE, JEREMY



Services, Inc.

CHARGE TO: American Express
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET NO **23741**

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Wichita KS</u>	WELL/PROJECT NO. <u>5</u>	LEASE <u>Close</u>	COUNTY/PARISH <u>Woods</u>	STATE <u>KS</u>	CITY <u>Bazine</u>	DATE <u>11/14/13</u>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO <u>location</u>	ORDER NO.	WELL LOCATION	
3. WELL TYPE <u>oil</u>	WELL CATEGORY <u>H-D</u>	JOB PURPOSE <u>Development</u>	WELL PERMIT NO.				
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE	20	hrs			6.98	120.00
576D		1			Pump Charge	1	ea			1250.00	1250.00
330		1			SWD count	120	stk			16.50	1980.00
276		1			fine	30	lb			2.00	60.00
290		1			D-air	2	cu ft			35.00	70.00
104		1			bel collar tool Rental	1	ea			250.00	250.00
581		1			Service charge	1	hr			2.00	350.00
582		1			Drayage (min)	1	hr			250.00	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: Scott TIME SIGNED: 7:00
 A.M. P.M.

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

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

SURVEY <input type="checkbox"/> OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? <input type="checkbox"/> WE UNDERSTOOD AND MET YOUR NEEDS? <input type="checkbox"/> OUR SERVICE WAS PERFORMED WITHOUT DELAY? <input type="checkbox"/> WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? <input type="checkbox"/> ARE YOU SATISFIED WITH OUR SERVICE?	AGREE <input type="checkbox"/> YES <input type="checkbox"/> NO	UN-DECIDED <input type="checkbox"/> YES <input type="checkbox"/> NO	DIS-AGREE <input type="checkbox"/> YES <input type="checkbox"/> NO	PAGE TOTAL <u>4330.00</u>	TAX <u>17.55</u> <u>148.68</u>	TOTAL <u>4478.68</u>
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SWIFT OPERATOR: AK APPROVAL: AK

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 1 Jan 13 PAGE NO. 1

CUSTOMER American Westcoast

WELL NO. 5

LEASE Grose

JOB TYPE cement port collar

TICKET NO. 23741

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 5/8 SMD w/ 1/4" #1 floater 2 3/4" x 5 1/2" PORT COLLAR - 1364'
	1600							on loc TRK 115
	1620					1000	1000	test to 1000 psi - hold
	1635							open port collar
	1642	4	2			600		inj rate 4 bpm @ 600 psi
	1645	4				600		mix SMD cement @ 11.7 ppg fluid to surface
		4	1			600		
	1705	4	65			650		— cement to surface —
								{ 120 sks mixed 20 to pit }
	1707	4	4 1/2			650		Displace w/ 4 1/2 bbl H ₂ O
								close port collar
	1710					1000	1000	test to 1000 psi - hold Run 5 joints
	1720		20					Reverse hole clean - 2 cement plugs -
								wash truck Rack up
								job complete 4 hrs Blaine [unclear] 1/11