



WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1053523

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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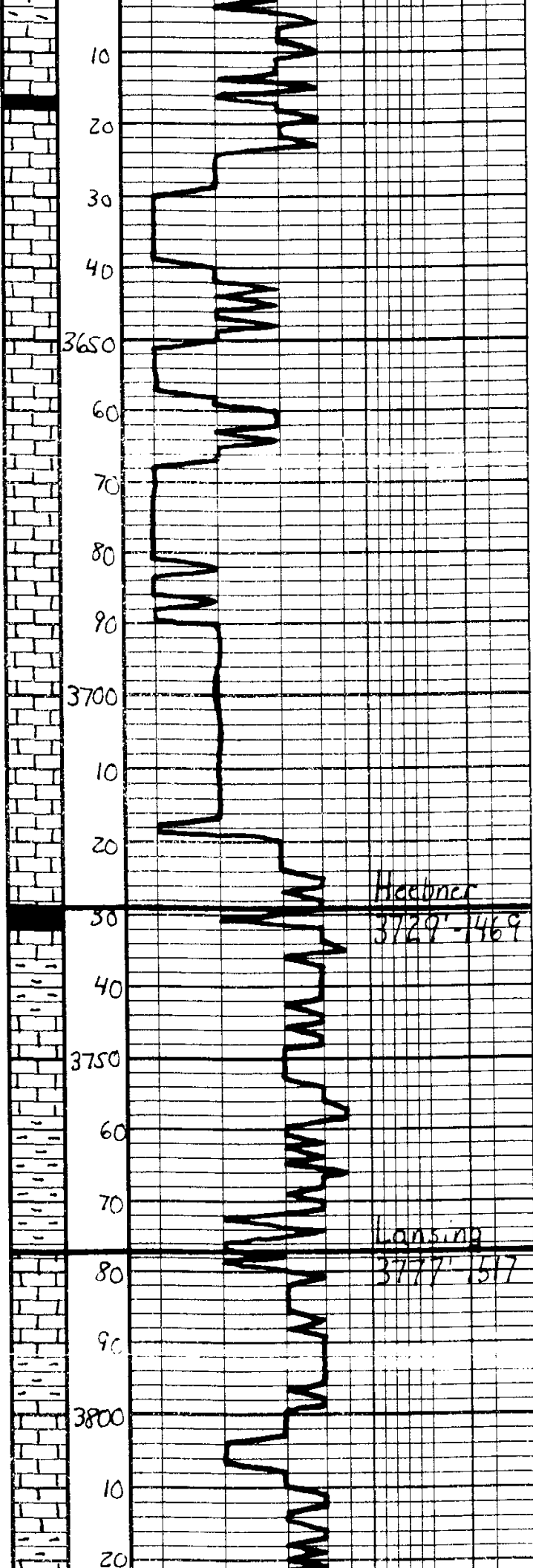
Form	ACO1 - Well Completion
Operator	Mid-Continent Resources, Inc.
Well Name	Dorsa 5
Doc ID	1053523

Tops

Name	Top	Datum
Anhydrite	1506	754
Heebner	3729	-1469
Lansing	3777	-1517
Base KC	4112	-1852
Pawnee	4204	-1944
Ft. Scott	4278	-2018
Cherokee	4300	-2040
Mississippian	4378	-2118
TD	4409	-2149







Ls. Tan-Gry Mottled, Fr  
 xla, St. Fossil, Barren

650 on location  
 3:00 p.m. 5-14-2010

Sh. Dk Gry

Ls. Tan-Gry Mottled, Fr  
 xla Fossil, Barren,  
 Chalky

Ls. ala

Ls. ala

Ls. Tan-Lt Gry Mottled,  
 Fr xla, Fossil, Barren,  
 Chalky

Ls. ala

Ls. ala, St. S. Whit

Haebner

3729'-1469

Sh. Blk, Carb., Fissile

Sh. Gry-Ben-Gra

Ls. Tan-Lt Gry, Fr xla w/  
 pore intercal. & Barren

Sh. Gry-Ben

Lansing

3777'-1517

Sh. ala-Gra

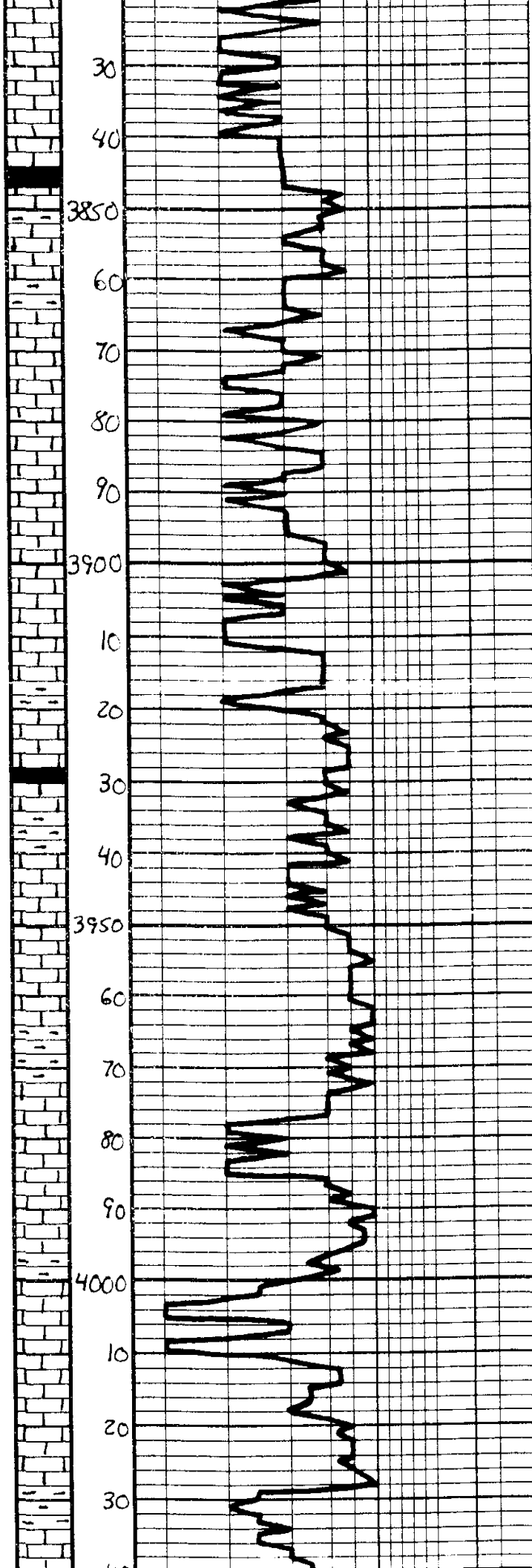
Ls. Tan-Lt Gry, Fr - Subgl.  
 Fossil nat. w/ pore com &  
 Barren

Sh. Gry-Ben

Muck  
 Vis. 47  
 Wt. 8.9

Ls. Tan-Lt Gry, Fr xla,  
 Fossil nat. w/ pore com &  
 Barren

Sh. Gry-Ben



Ls. Offwhite - Lt. Gray, Fa x la  
 w/ Fair - good conc of  
 Barren, S. White Gray

Sh. Dk Gray - Blk

Ls. Tan - Gray - St. Mittleck, Fa.  
 Substr. DNS

Sh. Gray - Brn

Ls. Tan - Lt. Gray, Fa x la, Fossil  
 dol. w/ Fair conc of Barren

Ls. dk, St. S. Whit

Ls. Tan - Lt. Gray, Fa x la,  
 Fossil dol. w/ Fair conc of  
 Barren

Sh. Gray - Brn - Dk Gray

Sh. Dk Gray

Ls. Tan - Lt. Gray, Fa x la,  
 Fossil dol. w/ pure conc of  
 Barren

Ls. Tan - Lt. Gray, Substr.  
 St. Fossil dol. DNS

Sh. Gray - Brn

Ls. Offwhite - Lt. Gray, Fa x la,  
 Fossil dol. w/ Fair conc  
 of Barren

Ls. dk, DNS

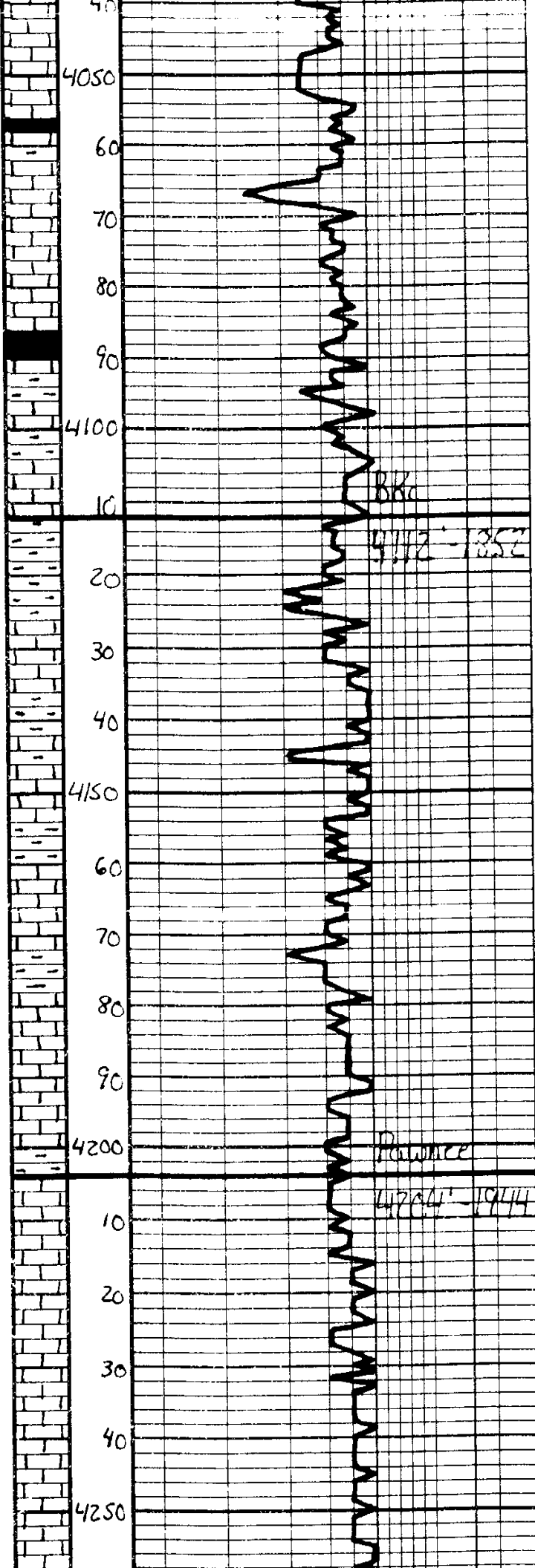
Ls. Tan - Lt. Gray, Fa x la, Fossil  
 dol. w/ good conc of Barren

Ls. dk, Mostly DNS

Sh. Gray - Brn

Ls. Tan - Lt. Gray, Fa x la,  
 Fossil dol. w/ pure conc of

Mud  
 Vis. 47  
 Wt. 9.0



LS-alc

Sh- Dk Gray

LS- Dk Gray, Lt Gray, Fossils  
Fossiliferous with pieces of  
Bacteria

LS-alc, DNS

Sh- Dk Gray- Blk

Sh- Gray- Green

LS- Tan-Gray, Substr, DNS

Sh- Gray- Ben- Green

LS- Tan-Gray, St. Middle, Substr  
DNS

Sh- Gray- Ben

LS- Tan- Gray, Substr, DNS

LS-alc, St. J. Whit- Gray

Sh- Gray- Ben- Dk Gray

LS- Tan- Lt Gray, Substr, DNS

Sh- Gray- Green

Mud  
V.S. 52  
Wt. 9.2

LS- Tan- Lt Gray, Substr  
DNS

LS-alc, St. J. Whit

LS- Gray, Substr, DNS

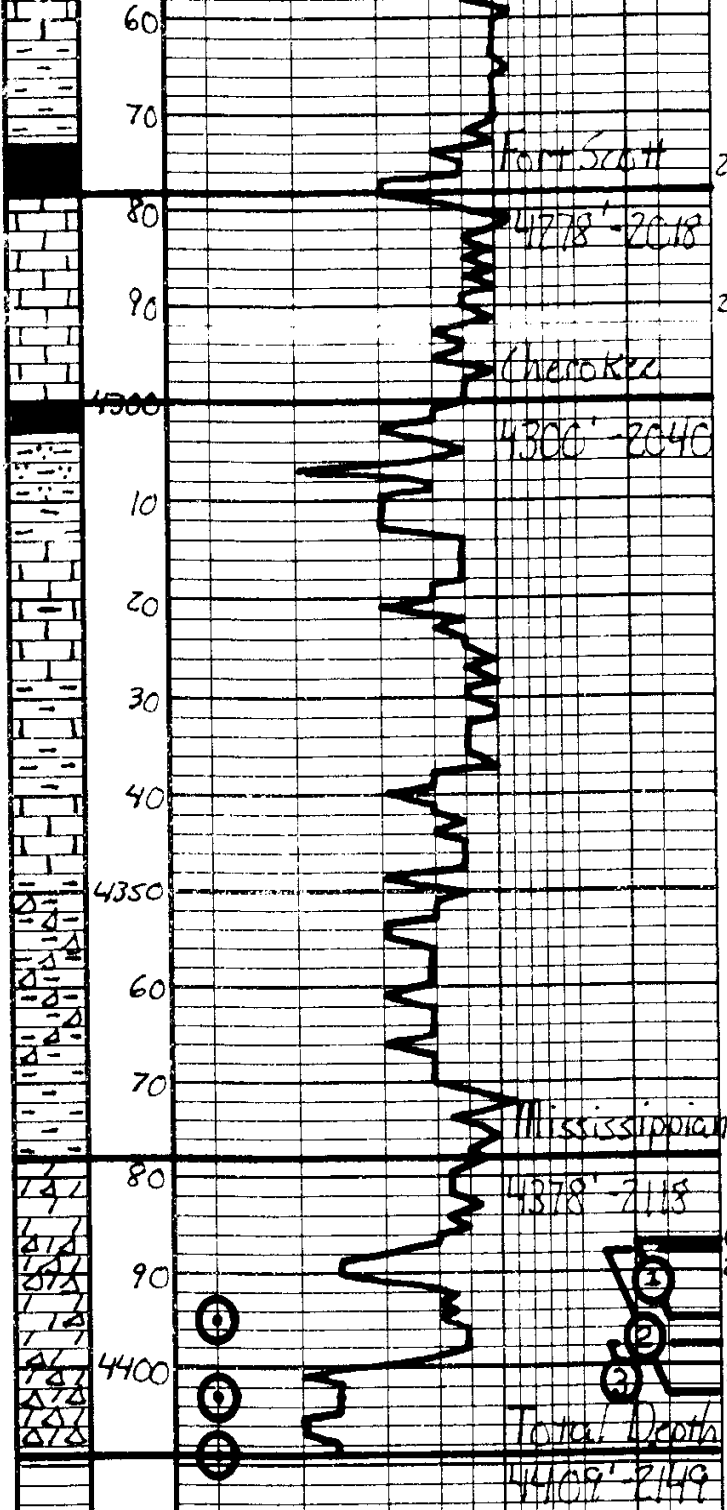
PRC

4112 - 1357  
4112 - 1357

PRANCE

4204 - 1944





LS - a/c	
Sh - Dk Gray	
24 Sh - Blk, Carb.	
25 LS: Tan-gray, Fin. Subalar w/ pepperat wavy fl. Lt. sect. Fine	
LS: Tan-gray, oil st. wavy fl. Fair sect. Fluor. Lt. color	
Sh - Gray - Dk Gray	<b>DST #1</b>
SS: Gray - Fossilifer, Fin. Gr. Very DNS Well Cemented clusters, Heavy Pyrite, Barren	Mississippian
LS: Tan - Gray, Subalar, DNS	4387' - 4395'
LS - a/c	30" 30" 10"
Sh - Gray - Ben - Ben	IH 2248#
LS: Tan - Lt. Gray, Subalar, Sl. Mottled, DNS	IF 14-19# W.S.B.
Sh - Gray - Ben - Ben, Lt. Whit. Gray w/ pepperat wavy fl. No Oil stain, Heavy Mottled w/ No Color	ISI 1031# Dead
Sh - Δ - a/c, Heavy Gritstone	FF 17-17# Dead
Sh - Gray - Ben - Ben	FH 2416#
Dolo - Δ - a/c, Lt. Gray, Subalar, DNS, Lt. sect. Fluor.	BHT 113°F
Dolo - Tan - Lt. Ben, Fin. Subalar, Δ - Heavy - Top w/ Fin. wavy fl. Lt. Fair oil st. - sect. SPU, Good Color	Recovery: S' mud w/ oil spots
Dolo - Δ - a/c, Mostly Barren	<b>DST #2</b>
	Mississippian
	4388' - 4403'
	30" 30" 10"
	IH 2271#
	IF 15-20# W.S.B.
	ISI 1264# Dead
	FF 20-22# Dead
	FH 2149#
	BHT 111°F
	Recovery: S' mud
	<b>DST #3</b>
	Mississippian
	4398' - 4409'
	30" 30" 30" 30"
	IH 2282#
	IF 20-28# Built to 6 in.
	ISI 1195# Dead
	FF 100-140# Built to 3 in.
	FSI 1175# Dead
	FH 2144#
	BHT 123°F
	Recovery:



# **Geological Report**

## **Dorsa #5**

1350' FNL & 1820' FWL

Sec. 26 T19s R22w

Ness County, Kansas



**Mid-Continent Resources, Inc.**

## General Data

Well Data: Mid-Continent Resources, Inc.  
Dorsa #5  
1350' FNL & 1820' FWL  
Sec. 26 T19s R22w  
Ness County, Kansas  
API # 15-135-25054-0000

Drilling Contractor: Petromark Drilling, LLC Rig #1

Geologist: Jason Alm

Spud Date: May 9, 2010

Completion Date: May 17, 2010

Elevation: 2254' Ground Level  
2260' Kelly Bushing

Directions: Bazine KS, South to 80 rd. 1.5 mi. West on 80 rd.  
North into location.

Casing: 222' 8 5/8" surface casing

Samples: 10' wet and dry, 3600' to RTD

Drilling Time: 3600' to RTD

Electric Logs: None

Drillstem Tests: Three, Trilobite Testing, Inc. "Dan Bangle"

Problems: None

Remarks: None

## Formation Tops

<b>Formation</b>	<b>Mid-Continent Res. Dorsa #5 Sec. 26 T19s R22w 1350' FNL &amp; 1820' FWL</b>
Anhydrite	<b>1506', +754</b>
Base	<b>1540', +720</b>
Heebner	<b>3729', -1469</b>
Lansing	<b>3777', -1517</b>
BKc	<b>4112', -1852</b>
Pawnee	<b>4204', -1944</b>
Fort Scott	<b>4278', -2018</b>
Cherokee	<b>4300', -2040</b>
Mississippian	<b>4378', -2118</b>
RTD	<b>4409', -2149</b>

## Sample Zone Descriptions

**Mississippian Osage (4378', -2118):**      **Covered in DST #1,2,3**

Dolo – Δ – Fine sucrosic crystalline with fair inter-crystalline and vuggy porosity, heavy tripolitic chert with fair vuggy porosity, light to fair oil stain and saturation, show of free oil, good odor. 25-34 units hotwire.

**Drill Stem Tests**  
Trilobite Testing, Inc.  
“Dan Bangle”

**DST #1**

**Mississippian Osage**

Interval (4387' – 4395') Anchor Length 8'

IHP	– 2248 #	
IFP	– 30" – W.S.B.	14-19 #
ISI	– 30" – Dead	1031 #
FFP	– 10" – Dead	17-17 #
FHP	– 2146 #	
BHT	– 113°F	

Recovery: 5' Mud w/ oil spots

**DST #2**

**Mississippian Osage**

Interval (4388' – 4403') Anchor Length 15'

IHP	– 2271 #	
IFP	– 30" – W.S.B.	15-20 #
ISI	– 30" – Dead	1264 #
FFP	– 10" – Dead	20-22 #
FHP	– 2149 #	
BHT	– 111°F	

Recovery: 5' Mud

**DST #3**

**Mississippian Osage**

Interval (4398' – 4409') Anchor Length 11'

IHP	– 2271 #	
IFP	– 30" – Built to 6 in.	20-98 #
ISI	– 30" – Dead	1195 #
FFP	– 30" – Built to 3 in.	100-140 #
FSI	– 30" – Dead	1175 #
FHP	– 2144 #	
BHT	– 123°F	

Recovery: 215' Water w/ scum of oil

## Structural Comparison

	Mid-Continent Res. Dorsa #5 Sec. 26 T19s R22w 1350' FNL & 1820' FWL	Mid-Continent Res. Dorsa #4 Sec. 26 T19s R22w 330' FNL & 1700' FWL		Mid-Continent Res. Dorsa #2 Sec. 26 T19s R22w 760' FNL & 2310' FWL	
<b>Formation</b>					
Anhydrite	<b>1506', +754</b>	1490', +759	<b>(-5)</b>	1504', +763	<b>(-9)</b>
Base	<b>1540', +720</b>	NA	<b>NA</b>	NA	<b>NA</b>
Heebner	<b>3729', -1469</b>	3707', -1458	<b>(-9)</b>	3731', -1464	<b>(-5)</b>
Lansing	<b>3777', -1517</b>	3755', -1506	<b>(-11)</b>	3778', -1511	<b>(-6)</b>
BKc	<b>4112', -1852</b>	NA	<b>NA</b>	NA	<b>NA</b>
Pawnee	<b>4204', -1944</b>	NA	<b>NA</b>	4203', -1936	<b>(-8)</b>
Fort Scott	<b>4278', -2018</b>	4258', -2009	<b>(-9)</b>	4282', -2015	<b>(-3)</b>
Cherokee	<b>4300', -2040</b>	4279', -2030	<b>(-10)</b>	4302', -2035	<b>(-5)</b>
Mississippian	<b>4378', -2118</b>	4350', -2101	<b>(-17)</b>	4392', -2125	<b>(+7)</b>

## Summary

The location for the Dorsa #5 was found via 3-D seismic survey. The new well ran structurally lower than expected via the survey. Three drill stem tests were conducted all of which were negative. After all gathered data had examined the decision was made to plug and abandon the Dorsa #5 well.

Respectfully Submitted,

Jason Alm  
Hard Rock Consulting, Inc.

# ALLIED CEMENTING CO., LLC. 036678

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Great Bend U

DATE <u>5-17-10</u>	SEC. <u>26</u>	TWP. <u>19</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00 PM</u>	JOB FINISH <u>5:45 PM</u>
LEASE <u>0059</u>	WELL# <u>5</u>	LOCATION <u>Bazine US South To 800</u>			COUNTY <u>NESS</u>	STATE <u>KS</u>	
<input checked="" type="radio"/> OLD <input checked="" type="radio"/> NEW (Circle one)		<u>1 1/2 west south into</u>					

CONTRACTOR Petromack Risk

TYPE OF JOB \_\_\_\_\_

HOLE SIZE 7 7/8 TD. 4409

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT 8 1/2 H<sub>2</sub>O mud 13 BBLs

OWNER Mid. Continent Resource

CEMENT

AMOUNT ORDERED 230 SK 60/40 4% Gel

4 flo seal

COMMON \_\_\_\_\_ @ \_\_\_\_\_

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GEL \_\_\_\_\_ @ \_\_\_\_\_

CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

ASC \_\_\_\_\_ @ \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER wayne - D

# 181 HELPER Alvin - R

BULK TRUCK

# 344 DRIVER Bob - R

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

HANDLING \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

**REMARKS:**

1<sup>st</sup> plug 1560 mix 50 SK Dis 5 H<sub>2</sub>O

13 BBLs mud

2nd plug 690 mix 80 SK Dis 3 BBLs

3rd plug 240 mix 40 SK Dis .25

4th plug 60 mix 20 SK Dis .25

Rat mix 30 SK

wash up Rig Down

**SERVICE**

DEPTH OF JOB 1560

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

CHARGE TO: Mid. Continent Resource

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Kenneth G. Kowal

SIGNATURE Kenneth G. Kowal

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS





**JOB LOG**

**SWIFT Services, Inc.**

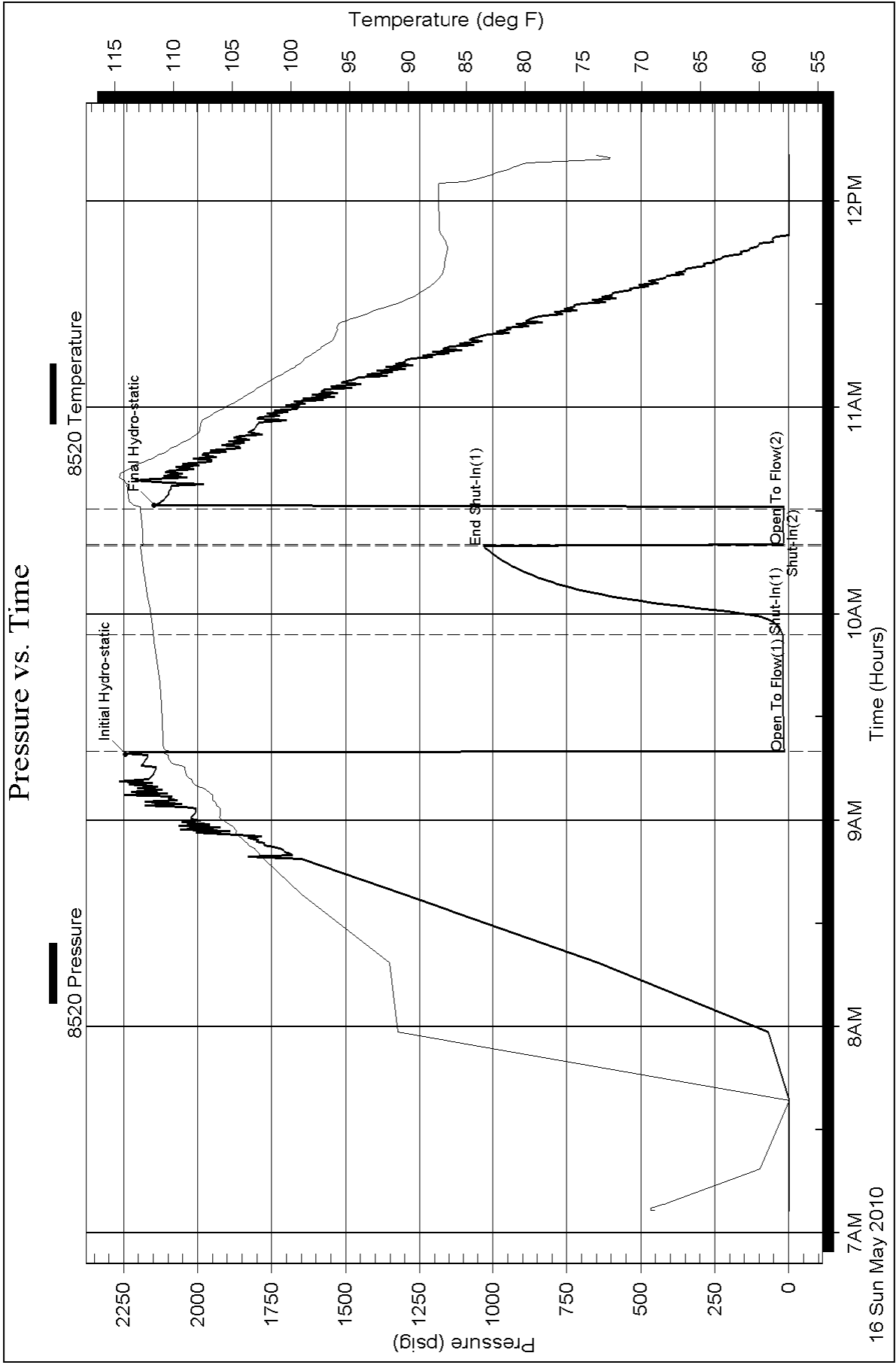
DATE 5-10-10 PAGE NO.

CUSTOMER: *Mind Cement Resources* WELL NO.: *5* LEASE: *Norsa* JOB TYPE: *Cement 8 5/8 Casing* TICKET NO.: *17905*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1800							On Location 8 5/8 23" TD-224' TP-224' PS-224'
	1825							Start 8 5/8 Casing
	1915							Break Circulation
	1920	5	5	✓			100	Pump Water Spacer
		4 1/2		✓			100	Start Cement 150 sks @ 14.7 gpp
			36				100	Shut Down Cement
	1930	5		✓			150	Start Displacement
		5	8.4	✓			200	Cement to Surface 20 sks top it
	1935		13.2					Shut Down - Shutting
								Wash Truck
	2000							Job Complete Thank you Brett, Dave + Jason



### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior Inc  
Box 399  
Garden City Ks 67846  
ATTN: Cecil O'Brate

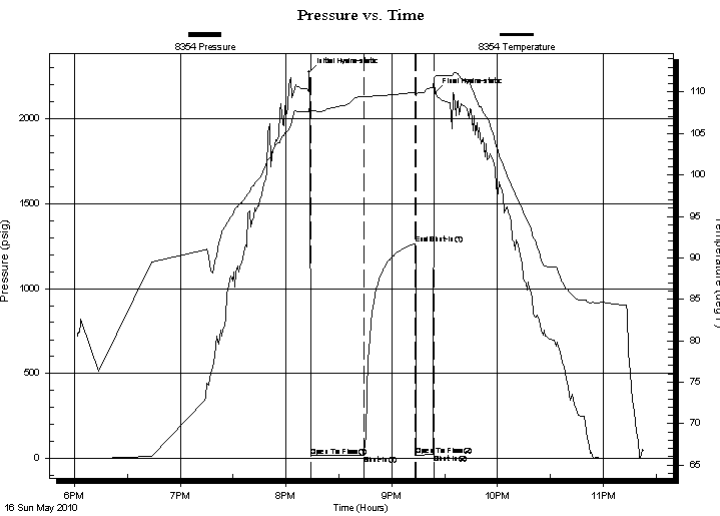
**Dorsa # 5**  
**26-19-22-Ness-Ks**  
Job Ticket: 38685      **DST#: 2**  
Test Start: 2010.05.16 @ 18:01:44

## GENERAL INFORMATION:

Formation: **Miss**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 20:14:14  
Time Test Ended: 23:23:29  
Interval: **4388.00 ft (KB) To 4403.00 ft (KB) (TVD)**  
Total Depth: 4403.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Dan Bangle  
Unit No: 38  
Reference Elevations: 2260.00 ft (KB)  
2254.00 ft (CF)  
KB to GR/CF: 6.00 ft

**Serial #: 8354      Inside**  
Press @ Run Depth: 20.11 psig @ 4389.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.05.16      End Date: 2010.05.16      Last Calib.: 2010.05.16  
Start Time: 18:01:45      End Time: 23:23:29      Time On Btm: 2010.05.16 @ 20:13:14  
Time Off Btm: 2010.05.16 @ 21:24:44

TEST COMMENT: IF-Weak died in 8 min  
FF-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2271.58	107.91	Initial Hydro-static
1	15.67	107.48	Open To Flow (1)
31	20.11	109.41	Shut-In(1)
61	1264.58	109.98	End Shut-In(1)
61	20.71	109.63	Open To Flow (2)
71	22.46	110.59	Shut-In(2)
72	2149.58	111.89	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc  
Box 399  
Garden City Ks 67846  
ATTN: Cecil O'Brate

**Dorsa # 5**  
**26-19-22-Ness-Ks**  
Job Ticket: 38685      **DST#: 2**  
Test Start: 2010.05.16 @ 18:01:44

## 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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7300.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

