

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1053523

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 #		API No. 15
Name:		Spot Description:
Address 1:		
Address 2:		Feet from Dorth / South Line of Section
City: S	state: Zip:+	Feet from East / West Line of Section
Contact Person:	·	Footages Calculated from Nearest Outside Section Corner:
Phone: ()		
CONTRACTOR: License #		County:
		Lease Name: Well #:
		Field Name:
0		Producing Formation:
Designate Type of Completion:		Elevation: Ground: Kelly Bushing:
	e-Entry Workover	Total Depth: Plug Back Total Depth:
 Oil WSW Gas D&A OG CM (<i>Coal Bed Methane</i>) Cathodic Other (<i>Context</i>) 	SWD SIOW ENHR SIGW GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Fee Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Fee If Alternate II completion, cement circulated from: feet depth to: w/ sx cmt
If Workover/Re-entry: Old Well Ir	nfo as follows:	
Well Name:	Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: bbls
Deepening Re-per	f. Conv. to ENHR Conv. to SWD	Dewatering method used:
Plug Back:	Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled	Permit #:	Operator Name:
Dual Completion	Permit #:	License #:
	Permit #:	Quarter Sec TwpS. R East Wes
	Permit #:	County: Permit #:
GSW	Permit #:	County Pethilt#
Spud Date or Date Re Recompletion Date	ached TD Completion Date or Recompletion Date	

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:

	Side Two	
Operator Name:	Lease Name:	Well #:
Sec TwpS. 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 (Attach Additional She	eets)	Yes	No		og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolog	gical Survey	Yes	No	Nam	e		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ Yes ☐ Yes	□ No □ No □ No					
List All E. Logs Run:								
		Report all		RECORD No	ew Used ermediate, product	ion, etc.		
Purpose of String	Size Hole Drilled	Size Ca Set (In C	sing	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot		PERFORATION Specify Fo		RD - Bridge P Each Interval I		e	ļ		ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed F	Product	ion, SWD or ENH	۶.	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITIO	N OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTER	RVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit /		Commingled (Submit ACO-4)		
(If vented, Subi	mit ACC)-18.)		Other (Specify)						

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

Tops

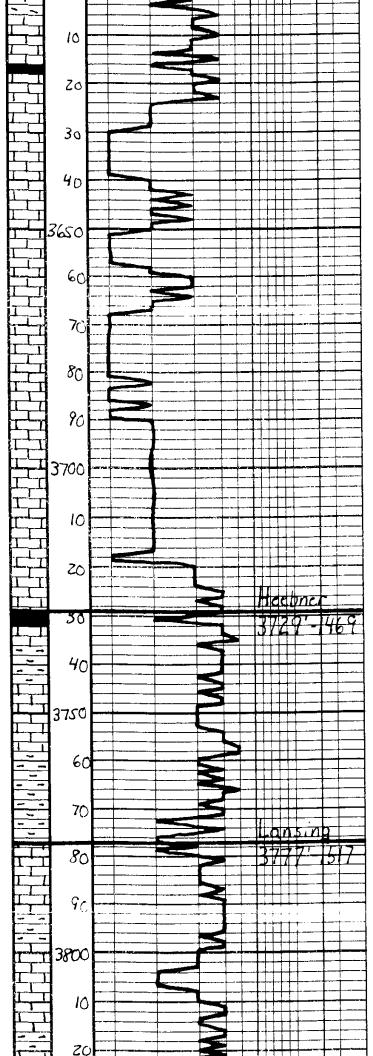
Name	Тор	Datum
Anhydrite	1506	754
Heebner	3729	-1469
Lansing	3777	-1517
Base KC	4112	-1852
Pawnee	4204	-1944
Ft. Scott	4278	-2018
Cherokee	4300	-2040
Mississippian	4378	-2118
TD	4409	-2149

REFERENCE WELL FOR STRUCTURAL COMPARISON Mich-Continent Res Durss # 4 330' FNLS 1700' FWL Sec. 26 T193 B224	Anhydrite 1500 + 754 - 5 Bese 1540 + 720 T155 R224 Hebase 3725 - 1463 - 9 Demose 10 BKc 154 - 11 - 11 - 11 Demose 10 Demose 10	Petro mark Drilling, 11 c Rig 2-2010 comp. 5.97-2010 2 more to Nome 2 no from 3600 to Nome 5 kept from 3600 to RTD E KEPT FROM 3600 to RTD SUPERVISION FROM 3700 to RTD	Hard Rock Consulting, Inc. Jason Alm Petroleum Geologist P.O. Box 1260 Hays. KS 67601 APT # 15-135-25054-0000 GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG OPERATOR Mid-Continent Res LEASE Dorse Well NO. 5 FIELD Schaben UCCATION 1350' FNL: 1820' FLUL SEC. 26 TWP. 195 REE ZZL COUNTY Ness STATE Kansas VASING RECORD
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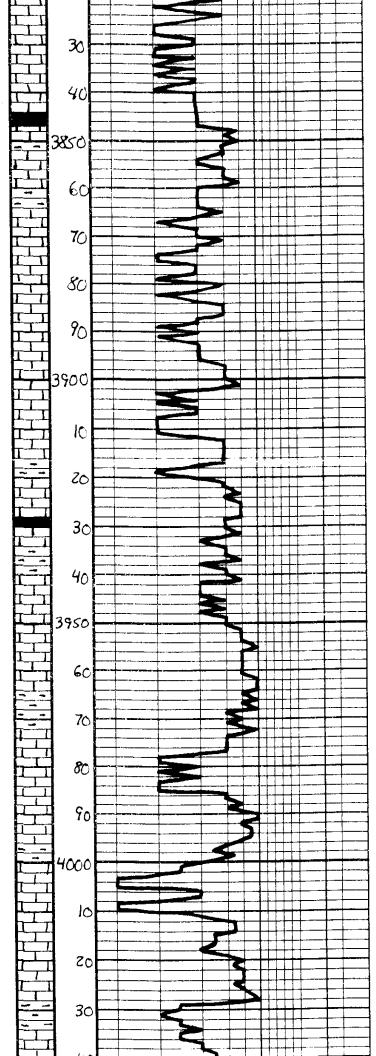
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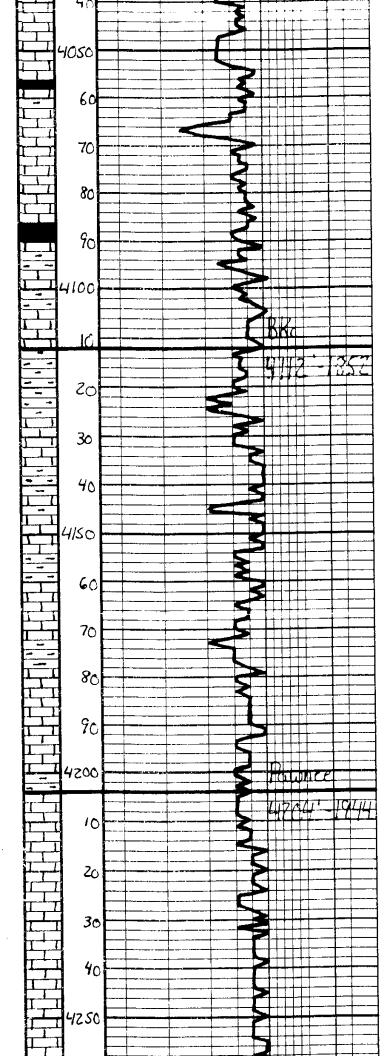
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				ISP/Time FFP/Time	DRILL STEM
		R	the	e FSB9/Time	STEM TESTS
	5-25-2010	Respectfully	and abcad	FF-574	¢,
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G 7702					
501			Anhydrite Salt Sandstone Shale Carb sh Limestone Ool.Lime Chert Dolomite		
		DEPTH	DRILLING TIME Logarithmic Scale) .5 1 2 3 4 5 10 15 20 30 SAMPLE DESCRIPTIONS	REMARKS	



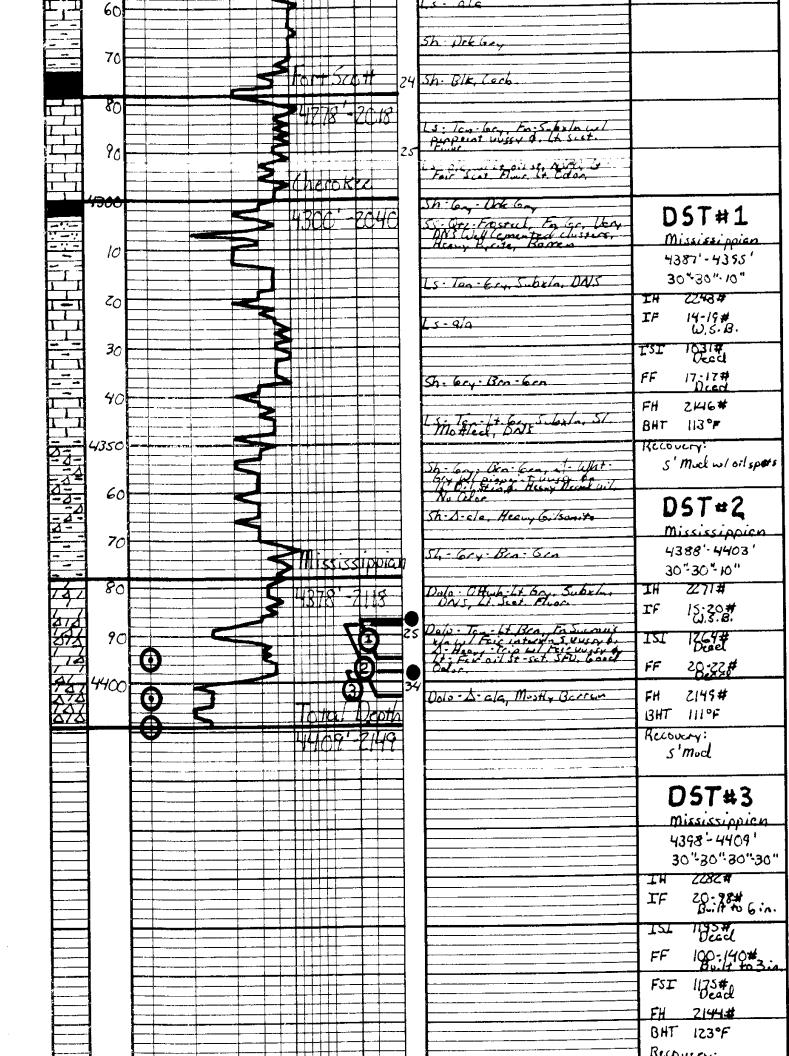
LS. Ton Gun Mo Hlech Fin XIn SI. Force, Barren 600 on location 3:00p.m. 5-14-2010 Sh. Dite Gry Si Ica : Gon : Mottled, Fo Xlar Fossti, Barrey, Chalk, 15. ala Si Ton. Lt. Gry: Mothleil, Frank, Fossil, Barrin, Chalky ele Ls. als, SI. S. Wht Jh- Blk, Lach, Fissile Sh. Gr. Bon. Gen LS. Tomat. Gr. Fa ela wil pour interala, D. Borran Sh- Gry. Bra Shicle-Gay Borne Li pour com & SA: Gay Bro Mud Vis. 47 Wt. 8.9 Barren W/ poor com 4. Sh. Gay-Ben



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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

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

Formation Tops

Sample Zone Descriptions

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

Dolo $-\Delta$ – 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"

	Duil Duilgie	
DST #1	Mississippian OsageInterval ($4387' - 4395'$) Anchor Length 8'IHP - $2248 \#$ IFP - $30'' - W.S.B.$ ISI - $30'' - Dead$ FFP - $10'' - Dead$ FHP - $2146 \#$ BHT - $113°F$	14-19 # 1031 # 17-17 #
	Recovery: 5' Mud w/ oil spots	
DST #2	Mississippian OsageInterval (4388' - 4403') Anchor Length 15'IHP - 2271 #IFP - 30'' - W.S.B.ISI - 30'' - DeadFFP - 10'' - DeadFHP - 2149 #BHT - 111°F	15-20 # 1264 # 20-22 #
	Recovery: 5' Mud	
DST #3	Mississippian OsageInterval ($4398' - 4409'$) Anchor Length 11'IHP $-2271 \#$ IFP $-30'' -$ Built to 6 in.ISI $-30'' -$ DeadFFP $-30'' -$ DeadFSI $-30'' -$ DeadFHP $-2144 \#$ BHT $-123°F$	20-98 # 1195 # 100-140 # 1175 #

Recovery: 215' Water w/ scum of oil

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

Structural Comparison

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.

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CEMENT LEFT IN CSG.	5000						
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# 1%) HELPER	Alu	in-R	······································			a	
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BULK TRUCK # DRIMER 3		an a	HANDLING	in a stand the	1 (g) a (b) (c) -ye - (c) (c) (c) (c)	@	and the second
# ORIMER DATE		<u>an an a</u>	MILEAGE	a a de la destruir. Notas de la destruir	- 42035 (4934) 	tor e Rus del sette della foi Tra della	
# DRIVER	RKS:		MILEAGE	nger (d. 1997) 1995 - Senta Santa 1995 - Senta Santa Santa 1997 - Senta Santa Santa Santa	i (d) de la dar Frankrige de Frankrige de	TOTAI	
# DRIVER REMA 1 Plus 1560 mix -	RKS: 50 SX		MILEAGE	and an		TOTAI	re <u>Carendaria (</u> 1997) A secolaria (1998)
# DRIVER 1560 REMA 1560 Mix= 13 ввъс мыс	RKS: 50 54	<u>e al contractore</u>	MILEAGE	مریکی کار این ایس این این این کار این این این این این کار این کار مربق این کار این کار این کار این کار این کار این کار این کار این کار	SERVIC	TOTAI	in Carl Composition - Car
# DRIVER REMA 154 13 BB25 Mod 2nd Plus 690 Mix	RKS: 50 54	× Dis 36	MILEAGE ₂.∝)⊕4.5	۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹ ۱۹۹۹ - ۲۹۹۹ - ۲۹۹۹ ۱۹۹۹ - ۲۹۹۹ - ۲۹۹۹ ۱۹۹۹ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹ ۱۹۹۹ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹ ۱۹۹۹ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹	SERVIC	TOTAI	in Carl Composition - Car
# DRIVER REMA J plus 1560 mix - 13 BBLS mud Jud plus 690 mix 3-d plus 240 mix	RKS: 50 54 805 40	x Dis 36 sx Dis 12	$MILEAGE \{2}^{\sim}$		SERVIC 560	TOTAI EE	16 (1997) 16 (1997) 17 (1997)
# DRIVER F St J Plus 1560 Mix - J3BBLS Mud Jud Plus 690 Mix 3-d Plus 240 Mix yth Plus 600 Mix Rat Mix 30 SX	RKS: 50 5X 4 805 405 405	x Dis 36 sx Dis 2 sx Dis 2	$MILEAGE _$ 2° $104.5 _$ $5 DEPTH OF JOHNER CONCENTRATION$	DB <u>/ J</u> K CHARGI FAGE	SERVI FGO E	TOTAI EE	te for an an energy of the second sec
# DRIVER REMA J Plus 1560 Mix = J3 BB25 mod J3 BB25 mod Jad Plus 690 mix J-d Plus 240 mix J-d Plus 240 mix Rat mix 30 SX Na Shap Ris	RKS: 50 SX × 80 S × 20 × 20	X Dis 36 SX Dis 2 SX Dis 12	$MILEAGE _$ 2° $\overline{\bigcirc}$ $\overline{\bigcirc}$ $\overline{\bigcirc}$ $DEPTH OF JO$ $\underline{\frown}$ $\underline{\frown}$ $DEPTH OF JO$ $\underline{\frown}$ \underline	DB / J K CHARGI TAGE	SERVIC FGO E	TOTAI	 A. Standard Standard Standard A. Standard Standard Standard A. Standard
# DRIVER St J Plus 1560 Mix- J38825 Mod J38825 Mod Jud Plus 690 Mix 3-d Plus 240 Mix 44 Plus 600 Mix Rat Mix 30 SX wash p Ris	RKS: 50 5x 805 40 20 X 20	x Dis 36 sx Dis 2 sx Dis 2	MILEAGE BLS DEPTH OF JONE S DEPTH OF JONE S PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	DB <u>/ 3</u> K CHARGI TAGE	SERVIC	TOTAI	 δ. δ. δ. φ. μ
# DRIVER St J Plus 1560 Mix- J38825 Mod Jud Plus 690 Mix 3-d Plus 240 Mix 44 Plus 600 Mix Rat Mix 30 SX wash D Ris	RKS: 50 5x 805 40 20 X 20	x Dis 36 sx Dis 2 sx Dis 2	MILEAGE BLS DEPTH OF JONE S DEPTH OF JONE S PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	DB <u>/ 3</u> K CHARGI TAGE	SERVIC	TOTAI	 δ. δ. δ. φ. μ
# DRIVER St J Plus 1560 Mix- J38825 Mod Jud Plus 690 Mix 3-d Plus 240 Mix 44 Plus 600 Mix Rat Mix 30 SX wash D Ris	RKS: 50 5x 805 40 20 X 20	x Dis 36 sx Dis 2 sx Dis 2	MILEAGE BLS DEPTH OF JONE S DEPTH OF JONE S PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	DB <u>/ 3</u> K CHARGI TAGE	SERVIC	TOTAI	1. 201 20 40 40 40 40 1. 201 20 40 40 1. 201 20 40 40 2. 201 20 br>2. 201 20 2
# DRIVER St J Plus 1560 Mix- J38825 Mod Jud Plus 690 Mix 3-d Plus 240 Mix 44 Plus 600 Mix Rat Mix 30 SX wash D Ris CHARGE TO: Mid. Con	RKS: 50 5x 405 405 40 20	x Dis 36 sx Dis 2 sx Dis 2 .~	MILEAGE BLS S DEPTH OF JO S PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	DB / J K CHARGI TAGE	SERVI(560)	TOTAI	
# DRIVER REMA J Plus 1560 mix - J3BBLS mod 2nd Plus 690 mix 3-d Plus 240 mix yth Plus 600 mix yth Plus 600 mix Nat mix 30 5x Nat mix 30 5x Nat Mid. Car	RKS: 50 5x 405 405 40 20	x Dis 36 sx Dis 2 sx Dis 2 .~	MILEAGE BLS S DEPTH OF JO S PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	DB / J K CHARGI TAGE	SERVI(560)	TOTAI	
# DRIVER REMA 1 Plus 1560 mix - 13 BBLS mud 2 ud Plus 690 mix 3 - d Plus 240 mix 4 th Plus 60 mix Rat mix 30 3x Rat mix 30 3x CHARGE TO: Mid. Cou	RKS: 50 54 40 20 20	× Dis 36 × Dis 2 × Dis 2 × Dis 12 × Dis 12	MILEAGE BLS S DEPTH OF JO S PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	DB / 1 K CHARGI TAGE	SERVIC FGO E	TOTAI	
# DRIVER St J Plus 1560 Mix- J38825 Mod J38825 Mod Jad Plus 690 Mix- Jad Plus 240 Mix Jad Plus 240 Mix Jad Plus 240 Mix Add Plus 690 Mix Add Plus 240 Mix Jad Plus 240 Mix Add Plus 20 Mix Add Plus 240 Mix Add Plus 20	RKS: 50 54 405 405 20 20 20 20 20 20 20 20 20 20 20 20 20	× Dis 36 × Dis 2 × Dis 2 × Dis 12 × Dis 12	MILEAGE BLS S DEPTH OF JO S PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	DB / 1 K CHARGI TAGE	SERVIC FGO E	TOTAI	
# DRIVER St J Plus 1560 Mix- J38825 Mod Jud Plus 690 Mix Jud Plus 690 Mix Jud Plus 240 Mix Ath Plus 600 Mix Rat Mix 30 SX Na Sh D Ris CHARGE TO: Mid. Con	RKS: 50 54 405 405 20 20 20 20 20 20 20 20 20 20 20 20 20	× Dis 36 × Dis 2 × Dis 2 × Dis 12 × Dis 12	MILEAGE BLS S DEPTH OF JO S PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	DB / 1 K CHARGI TAGE	SERVIC FGO E	TOTAI	
# DRIVER St J Plus 1560 Mix- J38825 Mod J38825 Mod Jad Plus 690 Mix- Jad Plus 240 Mix Jad Plus 240 Mix Jad Plus 240 Mix Add Plus 690 Mix Add Plus 240 Mix Jad Plus 240 Mix Add Plus 20 Mix Add Plus 240 Mix Add Plus 20	RKS: 50 SX 40 S 40 20 20 20 20 20 20 20 20 20 20 20 20 20	$\frac{2}{2}$	MILEAGE 2 S DEPTH OF JO S DEPTH OF JO PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	DB / J K CHARGI TAGE TAGE	SERVIC FLOAT		
# DRIVER REMA J Plus 1560 mix - J3BBLS mod Jud Plus 690 mix J-d Plus 240 mix J-d Plus 240 mix Rat mix 30 SX Rat mix 30 SX CHARGE TO: Mid. Cau STREET CITY	RKS: 50 54 40 20 20	$\frac{2}{2}$	MILEAGE 2 S DEPTH OF JO S PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	DB / 1 K CHARGI TAGE	SERVIC FLOAT	TOTAI	
# DRIVER SH J Plus 1560 Mix- J30025 Mod Jad Plus 690 Mix Jad Plus 690 Mix Jad Plus 240 Mix Jad Plus 690 Mix Jad Plus 690 Mix Add Plus 690 Mix Jad Plus 600 Mix Jad Jad Plus 600 Mix Jad Plus 600 Mix Jad Jad Plus 600 Mix Jad Jad Plus 600 Mix Jad Jad Plus 600 Mix Jad Jad Jad Jad Jad Jad Jad Jad Jad Jad	RKS: 50 54 405 20 20 20	x D > 36 x D > 26 x D > 27 x D = 27 x D	MILEAGE 2 S DEPTH OF JO S DEPTH OF JO PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	DB / J K CHARGI FAGE	SERVI FLOAT	TOTAI	
# DRIVER REMA J Plus 1560 mix - J3BBLS mod Jud Plus 690 mix Jud Plus 690 mix Jud Plus 240 mix Jud Plus 240 mix Street 60 mix Rat mix 30 SX Das Su D Ris CHARGE TO: Mid Cou STREET CITY STATE To Allied Cementing Co., LLC You are hereby requested to re	RKS: 50 54 405 405 405 405 405 405 405 4	$x D \stackrel{\cdot}{} S \xrightarrow{3} \\ s \\ x D \stackrel{\cdot}{} \xrightarrow{5} \\ x D \xrightarrow{5} \\ x \\ $	MILEAGE 2 S DEPTH OF JO S DEPTH OF JO PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	DB / J K CHARGI FAGE	SERVI FLOAT	TOTAI	
# DRIVER REMA 1 Plus 1560 mix = 13 BBLS mod 2 od Plus 690 mix 3 d Plus 240 mix 3 d Plus 240 mix 4 th Plus 60 mix Rat mix 30 3x Rat mix 30 3x Rat mix 30 3x CHARGE TO: Mid. Con STREET CITYSTATE To Allied Cementing Co., LLC You are hereby requested to re and furnish cementer and help	RKS: 50 SX 40 S 40 S 20	$\frac{x}{y} = \frac{D \cdot s}{2} = \frac{3}{2}$ $\frac{z}{z} = \frac{2}{2}$	MILEAGE 2 S S DEPTH OF JC PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	DB / J K CHARGI FAGE	SERVI FLOAT	TOTAI	
# DRIVER REMA 5+ J Plus 1560 Mix - J3 BBLS Mod 2 ud Plus 690 Mix 3 d Plus 690 Mix 3 d Plus 240 Mix 3 d Plus 240 Mix 4 th Plus 60 Mix Rat Mix 30 SX CHARGE TO: Mid. Cou STREET CITY STATE To Allied Cementing Co., LLC You are hereby requested to re and furnish cementer and help contractor to do work as is list	RKS: 50 SX 480S 40S 20	enting equipmen assist owner or entor work wa	MILEAGE 2 S S DEPTH OF JO PUMP TRUC EXTRA FOO MILEAGE MANIFOLD Suu S €	DB / J K CHARGI FAGE	SERVI E	TOTAI	
# DRIVER REMA 1 plus 1560 mix = 13 BBLS mod 2 ud Plus 690 mix 3 d Plus 240 mix 3 d Plus 240 mix Rat mix 30 3x Rat mix 30 3x Rat mix 30 3x Rat mix 30 3x To Allied Cementing Co., LLC You are hereby requested to re and furnish cementer and help contractor to do work as is list done to satisfaction and super	RKS: 50 SX 40 S 40 S 40 S 40 S 40 S 40 S 40 S 50 S	$\frac{x}{y} D \stackrel{\cdot}{\rightarrow} 3 B$ $\frac{x}{y} D \stackrel{\cdot}{\rightarrow} 2$	MILEAGE	DB / J K CHARGI TAGE PLUG &	SERVIC FLOAT	TOTAI	
# DRIVER REMA 5+ J Plus 1560 Mix- J BBLS Mod J BB	RKS: 50 SX 40 S 40 S 10 S	enting equipmen assist owner or above work wa f owner agent or d the "GENERA	MILEAGE 2 S S DEPTH OF JO PUMP TRUC EXTRA FOO MILEAGE MANIFOLD S S L	PLUG &	SERVI E	TOTAI	
# DRIVER REMA 1 plus 1560 mix = 13 BBLS mod 2 ud Plus 690 mix 3 d Plus 240 mix 3 d Plus 240 mix Rat mix 30 3x Rat mix 30 3x Rat mix 30 3x Rat mix 30 3x STREET CITY STATE To Allied Cementing Co., LLC You are hereby requested to re and furnish cementer and help contractor to do work as is list done to satisfaction and superv contractor. I have read and un TERMS AND CONDITIONS	RKS: 50 SX 40 S 40 S 10 S	enting equipmen assist owner or above work wa f owner agent or d the "GENERA	MILEAGE ∑ DEPTH OF JO ∑ DEPTH OF JO PUMP TRUC EXTRA FOO MILEAGE MANIFOLD Suc S < t t t L de. SALES TAX	DB / J K CHARGI FAGE PLUG & I	SERVI FLOAT	TOTAI	
# DRIVER REMA 5+ J Plus 1560 Mix- J BBLS Mod J BB	RKS: 50 SX 480S 40S 20	enting equipmen assist owner or above work was f owner agent or d the "GENERA on the reverse side	MILEAGE ∑ DEPTH OF JO ∑ DEPTH OF JO PUMP TRUC EXTRA FOO MILEAGE MANIFOLD MANIFOLD Suc S < t L de. SALES TAX TOTAL CHA	PLUG & I	SERVI FLOAT	TOTAI	

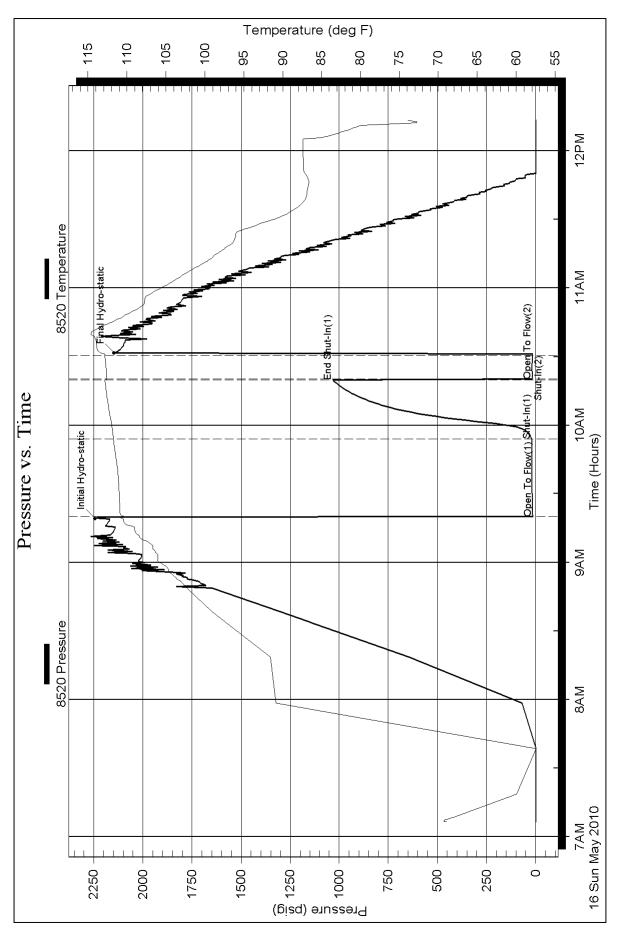
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55		10	5.50			

Services,	Inc.	AUDKESS CITY STAT	ADDRESS. CITY, STATE, ZIP CODE					PAGE 1	e
1. Ness Cats KS 2.	WELLIPPROJECT NO TICKET TYPE B SERVICE WELL TYPE O 1 1	NO LEASE CONTRACTOR CONTRACTOR CC-1 vo - Main Contect	LEASE LOCS - Mell CATEGOR Dr Vel OH	DONSC COUNTYPARISH DONSC NESS RIG NAMENIO FLUCATEGORY D JOB PURPOSE CALLON + COMENTY & 20 CASTAGE	STATE K SHIPPED VIA	CITY N ¢ 5 \$ Cr DELIVERED TO WELL PERMIT NO.		DATE 5 - 1 Or 10 ORDER NO WELL LOCATION	омиея 5. 1 % ц.). 5. т. 6
REFERRAL LOCATION PRICE SECOL	INVOICE INSTRUCTIONS SECONDARY REFERENCE/		JNC					, UNIT	AMOLINT
		24 C - 2 C - 2 C - 2	5	MLEAGE 7 K 14		25 m.	ary. UM	Frace 5	
~				2 Charter	.			$\frac{150^{\circ 2}}{150}$	
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325 and 10				adarat content		1505Ks		a 21	18000
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50			なる	Bentonits Ge		3 13 65		<u> 25 *0</u>	
90						21-1		35 ^{lee}	2000
						.			
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	r hereby acknowledge the reverse side hereo MENT, RELEASE, IN	s and agrees f which indlu DEMNITY, a	, to de de	REMIT PAYMENT TO:	SURVEY SURVEY OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? + WE UNDERSTOOD AND MET YOUR NEEDS?	RMED	AGREE DECIDED AG	DISE AGREE PAGE TOTAL	3435 00
MUST BE SIGNED BY CUSTOMER OF CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS	ACUSTOMER'S AGENT PRIO 300DS	<u>R10</u>		SWIFT SERVICES, INC. P.O. BOX 466 NIESO CITV VS 67660	OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALUATIONS. SATISFACTORLY?	S HOUT DELAY? HE EQUIPMENT JOB		TX	
A DATE SIGNED	TIME SIGNED	A Market		785-798-2300		ARE YOU SATISFIED WITH OUR SERVICE?	E2 I NO I TO RESPOND	TOTAL	

STOMER	1 Cont.	inent Resa	WELL NO.			LEASE		JOB TYPE Cement 8 47 Casin	DATE 5. 10.10 PA
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PU	MPS C	PRESSU	RE (PSI)		
	1800						CASING	On Loco tion	
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	1920	5		~	[150	Start Displacen	int
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								20skstopit	
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RILOBITE	DRILL STEM TES	T REP	ORT				
	American Warrior Inc		Dor	rsa # 5			
ESTING , INC.	Box 399 Garden City Ks 67846			19-22-Ne		D07#	
	ATTN: Cecil O'Brate			Ticket: 38 Start: 20	010.05.16 ©	DST#: 07:06:19	1
GENERAL INFORMATION:							
Formation:MissDeviated:NoWhipstock:Time Tool Opened:09:19:49Time Test Ended:12:13:19	ft (KB)		Test Test Unit	er: [Convention Dan Bangle 38	al Bottom Ho	ble
Total Depth: 4395.00 ft (KB) (T	8 95.00 ft (KB) (TVD) √D) ∋ Condition: Good		Refe	erence Ele KB t	evations: o GR/CF:	2260.00 2254.00 6.00	ft (CF)
Serial #: 8520 Outside Press@RunDepth: 19.76 psig Start Date: 2010.05.16 Start Time: 07:06:20	 4388.00 ft (KB) End Date: End Time: 	2010.05.16 12:13:19	Capacity: Last Calik Time On I Time Off	o.: 3tm: 2		8000.00 2010.05.16 @ 09:19:04 @ 10:31:34	; ;
TEST COMMENT: IF-Weak steady	surface blow						
FF-No blow							
Pressure vs. 7	lime		PF	RESSUR	RE SUMM	1ARY	
220 Presure 220 1 100 100 100 100 100 100 100 100 10	BOD Temperature 115 100 100 100 100 100 100 100	Time (Min.) 0 1 35 61 61 72 73	Pressure (psig) 2243.20 14.27 19.76 1031.84 17.51 17.06 2146.05	Temp (deg F) 110.70 110.11 111.73 112.83	Annotati Initial Hydr Open To F Shut-In(1) End Shut- Open To F Shut-In(2)	on ro-static Flow (1) In(1) Flow (2)	
Recovery				Ga	s Rates		
Length (ft) Description 5.00 Mud w / oil spots	Volume (bbl) 0.02			Choke (i	nches) Press	ure (psig) G	as Rate (Mcf/d)
	Ref. No: 38684					5 @ 17·47·1	





Printed: 2010.05.16 @ 17:47:19 Page 2

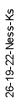
Ref. No: 38684

Trilobite Testing, Inc

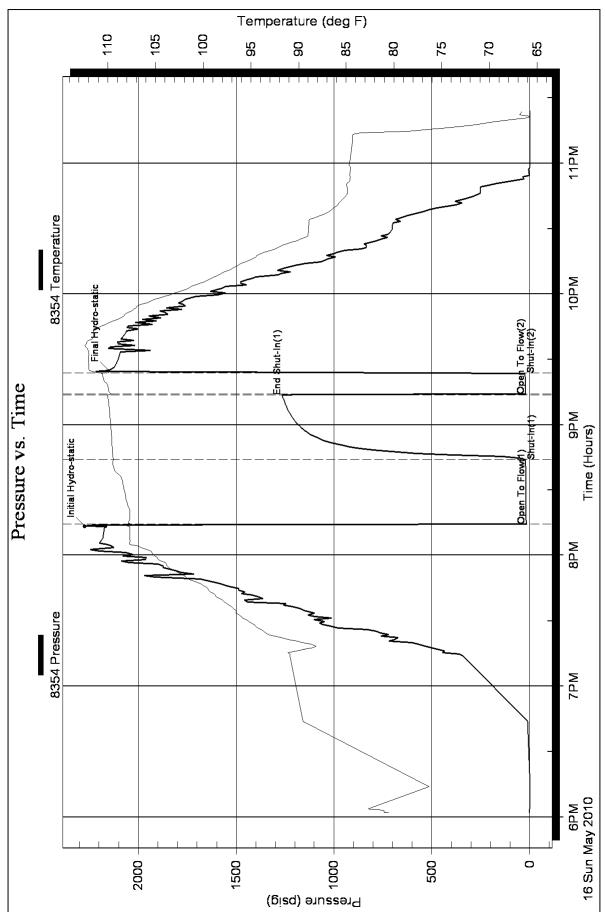
	RILOBITE	DRILL STEM TE	ST	r REPO	ORT				
		American Warrior Inc			Do	rsa # 5			
	ESTING , INC.	Box 399 Garden City Ks 67846				19-22-N			
		ATTN: Cecil O'Brate				Ticket: 38		DSI 16 @ 18:01:4	Γ#: 2
-	Miss								
		ft (KB)			Tes	ter:	Conven Dan Bai 38	tional Bottom ngle	Hole
Interval: 438 Total Depth: Hole Diameter:	88.00 ft (KB) To 44 4403.00 ft (KB) (T\ 7.88 inches Hole				Ref	erence Ele KB t	evations	2254	.00 ft (KB) .00 ft (CF) .00 ft
Serial #: 8354 Press@RunDepth: Start Date: Start Time:	Inside 20.11 psig 2010.05.16 18:01:45	@ 4389.00 ft (KB) End Date: End Time:	2	010.05.16 23:23:29	Capacity Last Cali Time On Time Off	b.: Btm: :		8000 2010.05 5.16 @ 20:13 5.16 @ 21:24	:14
TEST COMMEN	JT: IF-Weak died in 8	min							
	FF-No blow								
	Pressure vs. T								
	4 Pressure	8354 Temperature	┢	Time	Pressure	Temp		MMARY otation	
2000				(Min.) 0	(psig) 2271.58	(deg F) 107.91	Initial I	-lydro-static	
-	M			1	15.67	107.48		To Flow (1)	
1500				31 61	20.11 1264.58	109.41 109.98	Shut-I End S	hut-ln(1)	
	$\sqrt{1}$		- ÷	61 71	20.71 22.46	109.63 110.59		To Flow (2)	
		Bactoria (1990) 1 10PM 11PM	ig F)	71	2149.58	111.89		H(2) Hydro-static	
16 Sun May 2010							s Rate		
Length (ft)	Description	Volume (bbl)				Choke (i		Pressure (psig)	Gas Rate (Mcf/d)
5.00 Mud	•	0.02		L		· · · · ·			↓ · · ·
Trilobite Testing		Ref No: 38685						5 17 @ 08.26	

	RILOBITE	DRI	LL STEM TES	T REPOR	Т	F	FLUID SI	UMMARY
「第二		Americ	an Warrior Inc		Dorsa # 5			
	ESTING , INC.	Box 39	9		26-19-22-1	Ness-Ks		
		Garder	n City Ks 67846		Job Ticket: 3	38685	DST#: 2	
		ATTN:	Cecil O'Brate		Test Start: 2	2010.05.16 @ 18	3:01:44	
Mud and Cus	shion Information							
• •	l Chem		Cushion Type:			Oil A PI:		deg API
Mud Weight:	9.00 lb/gal		Cushion Length:		ft	Water Salinity:		ppm
Viscosity:	51.00 sec/qt		Cushion Volume:		bbl			
Water Loss: Resistivity:	10.77 in ³ ohm.m		Gas Cushion Typ Gas Cushion Pre		psig			
Salinity:	7300.00 ppm		Cas Cushion Tre	55016.	psig			
Filter Cake:	inches							
Recovery Info	ormation							
		th	Recovery Table Description	9	Volume	7		
	Leng ft				bbl	_		
		5.00	Mud		0.02	5		
	Total Length:	5	.00 ft Total Volume:	0.025 bbl				
	Num Fluid Samp Laboratory Nan		Num Gas Bon Laboratory Lo		Serial #	ŧ <u>:</u>		
	Recovery Com							









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38685 Ref. No:

Trilobite Testing, Inc