

Kansas Corporation Commission Oil & Gas Conservation Division

1054548

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:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
☐ New Well ☐ Re-Entry ☐ Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	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: sx cmt
If Workover/Re-entry: Old Well Info as follows:	
Operator: Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
☐ ENHR Permit #: ☐ GSW Permit #:	County: Permit #:
Spud Date or Date Reached 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 #: _ 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 Wireline Logs surveyed. Attach final geological well site report. **Drill Stem Tests Taken** Yes No Log Formation (Top), Depth and Datum Sample (Attach Additional Sheets) Name Top Datum Samples Sent to Geological Survey ☐ Yes □ No Cores Taken Yes No Electric Log Run Electric Log Submitted Electronically Yes No (If no, Submit Copy) List All E. Logs Run: CASING RECORD Used New Report all strings set-conductor, surface, intermediate, production, etc. Size Hole Size Casing Weight # Sacks Type and Percent Type of Purpose of String Drilled Set (In O.D.) Lbs. / Ft. Additives Depth Cement Used ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement # Sacks Used Type and Percent Additives Top Bottom Perforate **Protect Casing** Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth TUBING RECORD: Size: Set At: Packer At: Liner Run: No Yes Producing Method: Date of First, Resumed Production, SWD or ENHR. Pumping Gas Lift Other (Explain) Flowing **Estimated Production** Bbls. Water Bbls. Gas-Oil Ratio Oil Gas Mcf Gravity Per 24 Hours **DISPOSITION OF GAS:** METHOD OF COMPLETION: PRODUCTION INTERVAL: Open Hole Dually Comp. Perf. Commingled Vented Sold Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.) Other (Specify)

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Rein 4-23
Doc ID	1054548

Tops

Name	Тор	Datum
Anhydrite	1481	750
Heebner	3708	-1477
Lansing	3756	-1525
ВКС	4086	-1855
Pawnee	4172	-1941
Ft. Scott	4249	-2018
Cherokee	4271	-2040
Mississippian	4339	-2108
TD	4359	-2128



DRILL STEM TEST REPORT

American Warrior Inc.

Rein #4-23

23-19s-22w Ness

PO Box 399

Garden City Ks. 67846 Job Ticket: 041527

ATTN: Jason Alm

Test Start: 2010.12.13 @ 10:02:05

Andy Carreira

DST#: 1

GENERAL INFORMATION:

Formation: Mississippi

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole

Time Tool Opened: 12:23:40 Tester:

Time Test Ended: 17:21:09 Unit No: 31

Interval: 4298.00 ft (KB) To 4356.00 ft (KB) (TVD) Reference Elevations: 2231.00 ft (KB)

Total Depth: 4356.00 ft (KB) (TVD) 2225.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

Serial #: 8352 Outside

Press@RunDepth: 176.35 psig @ 4305.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2010.12.13
 End Date:
 2010.12.13
 Last Calib.:
 2010.12.13

 Start Time:
 10:02:05
 End Time:
 17:21:10
 Time On Btm:
 2010.12.13 @ 12:22:40

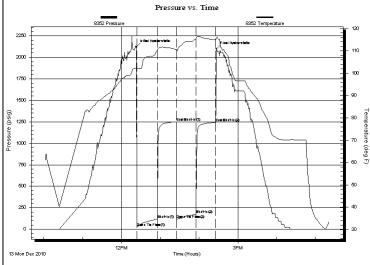
Time Off Btm: 2010.12.13 @ 14:26:39

TEST COMMENT: IF: BOB, 17 min.

IS: Return Blow, One quarter inch.

FF: BOB, 10 min.

FS: Return Blow, One quarter inch.



PRESSURE SUMMARY

_				
Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2122.66	102.35	Initial Hydro-static
	1	24.25	101.50	Open To Flow (1)
	33	119.89	110.25	Shut-In(1)
_	63	1250.10	110.58	End Shut-In(1)
empe	63	119.37	110.11	Open To Flow (2)
rature	93	176.35	115.35	Shut-In(2)
Temperature (deg F)	123	1243.47	114.98	End Shut-In(2)
J	124	2102.03	115.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCGM g=5% o=5% m=90%	0.30
60.00	HOCGM g=10% o=40% m=50%	0.30
140.00	MCGO g=30% m=30% o=40%	1.96
150.00	MCGO g=10% m=30% o=60%	2.10
0.00	GIP= 284ft	0.00

Gas Rates

Choke (inches) Pressure (psig) Gas Rate (MMcf/d)	g) Gas Rate (MMcf/d)	Pressure (psig)	Choke (inches)	
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Trilobite Testing, Inc Ref. No: 041527 Printed: 2010.12.13 @ 19:30:29 Page 1



DRILL STEM TEST REPORT

FLUID SUMMARY

ppm

American Warrior Inc. Rein #4-23

PO Box 399

Garden City Ks. 67846 Job Ticket: 041527 DST#: 1

23-19s-22w Ness

Test Start: 2010.12.13 @ 10:02:05 ATTN: Jason Alm

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API Water Salinity:

Mud Weight: Cushion Length: 9.00 lb/gal ft Viscosity: Cushion Volume: bbl

44.00 sec/qt

Water Loss: $7.20 in^3$ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

Salinity: 5100.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCGM g=5% o=5% m=90%	0.295
60.00	HOCGM g=10% o=40% m=50%	0.295
140.00	MCGO g=30% m=30% o=40%	1.958
150.00	MCGO g=10% m=30% o=60%	2.104
0.00	GIP= 284ft	0.000

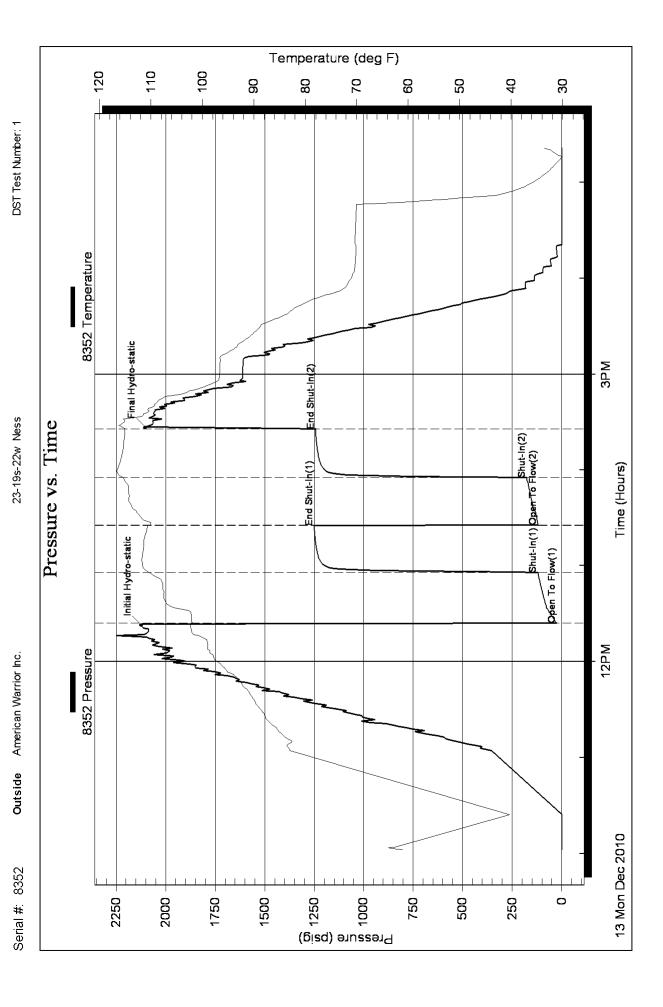
410.00 ft Total Volume: 4.652 bbl Total Length:

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 041527 Printed: 2010.12.13 @ 19:30:29 Page 2



Page 3

Printed: 2010.12.13 @ 19:30:29



CITY, STATE, ZIP CODE

ADDRESS	コラベス/じょと ししかべのの	

TICKET 19870

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	HSPANALINDO)	STATE	CITY	DATE	OWNER	+	
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2.	TICKET TYPE CONTRACTOR)	RIG NAME/NO.	SHIPPE	SHIPPED DELIVERED TO	ORDER NO.			
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REFERRAL LOCATION	INVOICE INSTRUCTIONS								

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210 TIME SIGNED /81/0	IVERY OF GOODS	MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO	but are not limited to, PAYMENT, RELEASE, INDEMNITY, and	the terms and conditions on the reverse side hereof which include,	LEGAL TERMS: Customer hereby acknowledges and agrees to			TANKS AND THE PROPERTY OF THE							SECONDARY REFERENCE/ PART NUMBER
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	P.O. BOX 466	SWIFT SERVICES, INC.		REMIT FAYMENT TO: OUR			DIAMON DRAWACE	SERVICE CHARLE CEINENT	STANDARD CEMENT		BENTONITE GEL	D-AIR	PUBLICHORGE	MILEAGE # 1(()	DESCRIPTION
CUSTOMER DID NOT WISH TO	E OPERATED THE EQUIPMENT ID PERFORMED JOB LICULATIONS VITSFACTORILY?	PERFORMED WITHOUT DELAY?	YOUR NEEDS?	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	SURVEY										
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USTOMER ACCEPTANCE OF MATERIALS AND SERVICES

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SWIFT Services, Inc.



DATE TO PAGE NO.

CUSTOMER	RICAU DI	ARRIDE	WELL NO.			LEASE	IN U	23 JOB TYPE CEMENT 8 88 TICKET NO. 19870
	1		VOLUME	PUN	IP8	PRESSUR	E (PSI)	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	Ŧ	C	TUBING	CASING	DESCRIPTION OF OPERATION AND MATERIALS
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	1743							CIRCILLATE.
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	1807	4	13					DISPLACE CEMENT
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ADDRESS				

19122

Somicos Inc		CITY, STATE, ZIP CODE				PAGE OF	
SERVICE LOCATIONS . 1	WELL/PROJECT NO.	ILEASE	COUNTYPARISH	STATE		IDATE IDANIED	
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	4.72	大でと	2632	5		37.4-10 SAME	
2	TICKET TYPE CONTRACTOR	7	RIG NAME/NO.	SHIPPED	SHIPPED DELIVERED TO	ORDER NO.	
	SALES PETR	BSALES PETROMARY DRIG #1		ત્ર	NOCHESON.		
3,	WELL TYPE		JOB PURPOSE		WELL PERMIT NO.	WELL LOCATION	
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REFERRAL LOCATION	INVOICE INSTRUCTIONS						

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CUSTOMER DID NOT WISH TO RESPOND	RE YOU SAIISHED WITH OUR SERVICE?	NE OPERATED THE EQUIPMENT NO PERFORMED JOB NATIONS ATISFACTIORILY?	IET YOUR NEEDS? JUR SERVICE WAS ERFORMED WITHOUT DELAY?	AUR EQUIPMENT PERFORMED ATTHOUT BREAKDOWN?	SURVEY								\ <u>\</u>				מזץ.
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SWIFT OPERATOR WANE WESON

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES
APPROVAL

Thank You!



TICKET CONTINUATION

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USTOMER MED I	w W	NEW L	WELL NO. 4 -	23	LEASE	(EIN	JOB TYPE LONGSTRING TICKET NO. 19122
CHART NO.	TIME	RATE (BPM)	MOLUME (BBL) (GAL)	PUMPS T C	PRESSUR TUBING	E (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
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-		·					ST- 42'
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-11							CMT BSXTS-5,69
		 					PORT COLUX = 1447 TOP JT # 69
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			10				
	0535	Ь	12			400	PUMP 500 GAL MUDFLUSH
6	०इइप	Ь	20	/		4∞	PUMP 20 BBLS KCL-FLUSH
	0602		7				PLUG RH (305K)
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Λ.	0605	412	3 5			250	MEX CEMENT - 145 SKS STANDED EA-2
	0615						WASH OUT PUMP - LINES
	0Ы7	<u>-</u>					RELEASE LATEH DOWN PLUG
	0918	63/4	0	~	r		DISPLACE PLUG
	0632	Ь	102.8			1500	PLUE DOWN - PST UP LATER ZW PLUE
	0635					UK	RELEASE PST- HELD
					·		
		<u></u>					WASH TRUCK
	0700	·					JOB COMPLETE
	0 ,00	 			<u> </u>		GOS CO HEETE

THINK YOU WAWE, DAVE K., LAWE



CHARGE TO:
HOLRICAN WARRIOR
ADDRESS
CITY, STATE, ZIP CODE

TICKET 20006

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE COUNTY COU	H orak	AUK	DATE OWNER	
1. NESS CHILL RS		REIN 4-23 NESS	ss Ks.	BAZINE KS.	1706010	
2	TICKET TYPE CONTRACTOR	RIG NAME/NO.		SHIPPED DELIVERED TO	ORDER NO.	
	- BSERVICE RESERVE			ACC 27102		
	WELL TYPE	WELL CATEGORY JOB PURPOSE		WELL PERMIT NO.	WELL LOCATION	
	O/C	DEVELOPMENT CEMENT PORT COLL	PORT COLLAR		35 /20 State	
REFERRAL LOCATION	SNOIT					
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		9	VICE?	YOU SATISFIED WITH OUR SERVICE?		785-708-2300	Ď D Š X	TIME SIGNED	DATE SIGNED
177 28	TAX			HE EQUIPMENT) JOB ?	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	P.O. BOX 466	•		START OF WORK OR DE
				HOUT DELAY?	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	SWIFT SERVICES, INC.	0	ANT T PROVISIONS. ISTOMER OR CUSTOMER'S AGENT PRIOR TO	MUST BE SIGNED BY CUSTOMER OR CUSTOM
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00	200	UN- DIS- DECIDED AGREE	AGREE D	Щ	SURVEY		and agrees to	LEGAL TERMS: Customer hereby acknowledges and agrees to	LEGAL TERMS:
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AMOUNT	PRICE	TY. UM	M QTY.	MN LALD		DESCRIPTION	ACCOUNTING LOC ACCT DF	SECONDARY REFERENCE/ PART NUMBER LC	PRICE EFERENCE

JOB LOG

SWIFT Services, Inc.

DATE 17 DECID PAGE NO

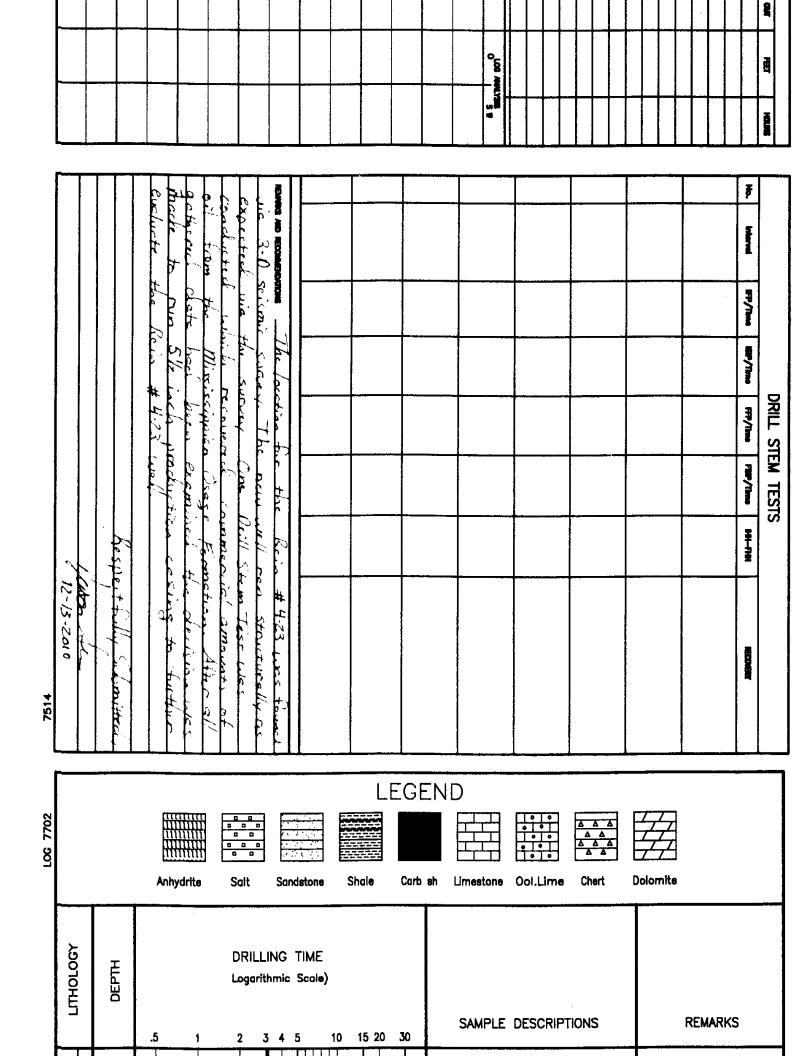
USTOMER			WELL NO.					LIOR TYPE
TWIEKI	can was	LRIDE	<u>.l.,</u>		- : :	LEASE REI	N 4-2	B CENTENT PORTCULAR TICKET NO. 2000LO
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUM T	P8 C	PRESSUR TUBING	E (PSI) Casing	DESCRIPTION OF OPERATION AND MATERIALS
	1440	•				<u>.</u>		ONLOCATION
			,					PORTCOURR @ 141417
	1518				7		1000	PRESSURE UP HELD
	1523	2			7		3 00	DREN PORT COLLAR TAKE ILIS RATE.
	1536	4	75	1		200		M1x 135 SX SMD @11.2ppc.
								DISPLACE PENENT CIRCULATEROSX TO PIT
,	1557			7		1000		CLOSE PORTCOUR PRESSURE UP HELD
								RUN 4 ST.
	1609	3	18		1		200	REVERSE CLEAN
	11.15							WASH TRUCK
		-	, **·					RACK TRUCK UP.
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	1640							JOBCOMPLETE
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Hard Rock Consulting, Inc.
Jason Alm Petroleum Geologist
P.O. Box 1260 Hays, KS 67601

API # 15-135-25071-0000

	see 73 The R2711	REFERENCE WELL FOR STRUCTURAL COMPARISON Appreciases
		1245 1234
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		#
	Comp.	Polymer 4172'-1941 - 9
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	67. "B 4359'	113<9' COLD COMP. 1/214-2016
	SOM ACC	cross Ketmonack Dailli
T	SIDENCE 85% 8773	
	CASING RECORD	COUNTY Ness STATE Kansas
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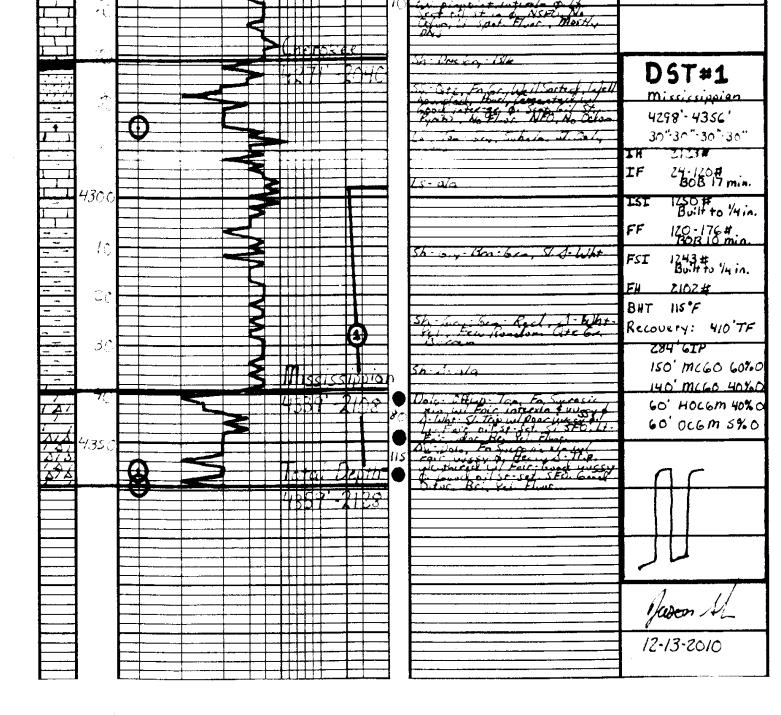
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Geological Report

American Warrior, Inc.
Rein #4-23
335' FNL & 1175' FEL
Sec. 23 T19s R22w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Rein #4-23 335' FNL & 1175' FEL Sec. 23 T19s R22w Ness County, Kansas API # 15-135-25071-0000
Drilling Contractor:	Petromark Drilling, LLc Rig #1
Geologist:	Jason Alm
Spud Date:	December 7, 2010
Completion Date:	December 14, 2010
Elevation:	2225' Ground Level 2231' Kelly Bushing
Directions:	Bazine KS, from the intersection of Hwy 96 and Austin St. South 4 mi. to 90 rd. 11/4 mi. West on 90 Rd. North into location.
Casing:	223' 8 5/8" surface casing 4358' 5 1/2" production casing
Samples:	10' wet and dry, 3600' to RTD
Drilling Time:	3600' to RTD
Electric Logs:	None
Drillstem Tests:	One, Trilobite Testing, Inc. "Andy Carreira"
Problems:	None
Remarks:	None

Formation Tops

	American Warrior, Inc.
	Rein #4-23
	Sec. 23 T19s R22w
Formation	335' FNL & 1175' FEL
Anhydrite	1481', +750
Base	1515', +716
Heebner	3708', -1477
Lansing	3756', -1525
BKc	4086', -1855
Pawnee	4172', -1941
Fort Scott	4249', -2018
Cherokee	4271', -2040
Mississippian	4339', -2108
RTD	4359', -2128

Sample Zone Descriptions

Mississippian Osage (4339', -2108): Covered in DST #1

Dolo – Δ – Fine sucrosic crystalline with poor to fair intercrystalline and vuggy porosity, heavy chert, triptolic, heavily weathered with fair to good vuggy porosity, light to good oil stain and saturation in porosity, show of free oil, good odor, bright yellow fluorescents, 80-115 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc. "Andy Carreira"

DST #1 <u>Mississippian Osage</u>

Interval (4298' – 4356') Anchor Length 58'

IHP − 2123 #

IFP - 30" - B.O.B. 17 min. 24-120 #
ISI - 30" - Built to ¼ in. 1250 #
FFP - 30" - B.O.B. 10 min. 120-176 #
FSI - 30" - Built to ¼ in. 1243 #

FHP - 2102 # BHT - 115°F

Recovery: 284' GIP

150' MCGO 60% Oil 140' MCGO 40% Oil 60' HOCGM 40% Oil 60' OCGM 5% Oil

Structural Comparison

	American Warrior, Inc.	American Warrior, Inc.		American Warrior, Inc.	
	Rein #4-23	Delaney #1-23		Rein #1-23	
	Sec. 23 T19s R22w	Sec. 23 T19s R22w		Sec. 23 T19s R22w	
Formation	335' FNL & 1175' FEL	750' FNL & 1360' FWL		2100' FNL & 2150' FEL	
Anhydrite	1481', +750	1488', +750	FL	1490', +757	(-7)
Base	1515' , + 716	NA	NA	NA	
Heebner	3708', -1477	3703', -1465	(-12)	3717', -1470	(-7)
Lansing	3756', -1525	3750', -1512	(-13)	3764', -1517	(-7)
BKc	4086', -1855	4078', -1840	(-15)	NA	
Pawnee	4172', -1941	4170', -1932	(-9)	4183', -1936	(-5)
Fort Scott	4249', -2018	4248', -2010	(-8)	4261', -2014	(-4)
Cherokee	4271', -2040	4270', -2032	(-8)	4282', -2035	(-5)
Mississippian	4339', -2108	4336', -2098	(-10)	4354', -2107	(-1)

Summary

The location for the Rein #4-23 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had examined the decision was made to run 5½ inch production casing to further evaluate the Rein #4-23 well.

Recommended Perforations

Mississippian Osage: (4339' – 4356') DST #1

Respectfully Submitted,

Jason Alm Hard Rock Consulting, Inc.