



KANSAS CORPORATION COMMISSION 1070446
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 # 4058
Name: American Warrior, Inc.
Address 1: 3118 Cummings Rd
Address 2: PO BOX 399
City: GARDEN CITY State: KS Zip: 67846 +
Contact Person: Scott Corsari
Phone: (785) 398-2270
CONTRACTOR: License # 33323
Name: Petromark Drilling, LLC
Wellsite Geologist: Jason Alm
Purchaser: NCRA

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 #: _____

10/19/2011	10/26/2011	11/10/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25195-00-00

Spot Description: _____
SW SE NE SE Sec. 1 Twp. 19 S. R. 22 East West
1542 Feet from North / South Line of Section
476 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Ness

Lease Name: Kuehn Well #: 6-1

Field Name: DeWald North

Producing Formation: Mississippian

Elevation: Ground: 2171 Kelly Bushing: 2177

Total Depth: 4280 Plug Back Total Depth: 4279

Amount of Surface Pipe Set and Cemented at: 223 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 1393 Feet

If Alternate II completion, cement circulated from: 1393

feet depth to: 0 w/ 125 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 25000 ppm Fluid volume: 160 bbls

Dewatering method used: Evaporated

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: Deanna Garrison Date: 12/20/2011



1070446

Operator Name: American Warrior, Inc. Lease Name: Kuehn Well #: 6-1
 Sec. 1 Twp. 19 S. R. 22 East West County: Ness

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 Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name Attached	Top Datum Attached
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E. Logs Run:			
Dual Receiver Cement Bond			

CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	223	Commonion	150	2% gel, 3% CC
Production	7.875	5.5	15.5	4279	EA-2	175	1/4# flocele

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-1393	SMD	125	1/4# flocele
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4269-4279		

TUBING RECORD:	Size: <u>2.375</u>	Set At: <u>4260</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>11/14/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls. <u>25</u>	Gas Mcf	Water Bbls.	Gas-Oil Ratio <u>40</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4)	PRODUCTION INTERVAL: <u>4269-4279</u>
	<input type="checkbox"/> Other (Specify) _____	

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Kuehn 6-1
Doc ID	1070446

Tops

Anhydrite	1418	759
Heebner	3648	-1471
Lansing	3692	-1515
BKC	4019	-1842
Pawnee	4110	-1933
Ft. Scott	4180	-2003
Cherokee	4200	-2023
Mississippian	4266	-2089
RTD	4280	-2103

ALLIED CEMENTING CO., LLC

042277

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

SERVICE POINT:
Georgetown, Mo
10-21-11

DATE <i>10-20-11</i>	SEC. <i>1</i>	TWP. <i>19</i>	RANGE <i>22</i>	CALLED OUT	ON LOCATION	JOB START <i>12:30am</i>	JOB FINISH <i>1:02am</i>
LEASE <i>X</i> <i>new</i>		WELL # <i>C-1</i>		LOCATION <i>Buzzard #3 Southern OD</i>		COUNTY <i>Reese</i>	STATE <i>Mo</i>
OLD OR NEW (Circle one)				Zoning <i>unclassified</i>			

CONTRACTOR *Petroleum Drilling Rig #1* OWNER *Hammann Lumber Inc*

TYPE OF JOB *Surface* CEMENT AMOUNT ORDERED *150 sacks*

HOLE SIZE *12 1/2"* T.D. *221*
CASING SIZE *8 1/2" 20'* DEPTH *223*

TUBING SIZE _____ DEPTH _____
DRILL PIPE *4 1/2"* DEPTH *221*

TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. *15'*
PERFS. _____
DISPLACEMENT *71*

EQUIPMENT

PUMP TRUCK CEMENTER *150*
341 HELPER _____

BULK TRUCK DRIVER *150*
341 DRIVER _____

BULK TRUCK DRIVER _____
_____ DRIVER _____

- COMMON *150* @ _____
- POZMIX @ _____
- GEL *3* @ _____
- CHLORIDE *3* @ _____
- ASC @ _____
- @ _____
- @ _____
- @ _____
- @ _____
- HANDLING @ _____
- MILEAGE @ _____

REMARKS:

*Pipe in between because circulation with log
and also 150 sack cement 3 sack 29 gel
Structure and Displace 14661 Fresh water
and slurry
Cement did Circulate*

TOTAL _____

SERVICE

DEPTH OF JOB *223*
PUMP TRUCK CHARGE _____
EXTRA FOOTAGE @ _____
MILEAGE @ _____
MANIFOLD @ _____
@ _____

TOTAL _____

CHARGE TO: *American Winter Inc*
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.

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

PRINTED NAME *L. J. Smith*
SIGNATURE *L. J. Smith*

Thank you!



CEMENTING LOG

STAGE NO. _____

Date 10-20-11 District Great Bend, KS Ticket No. 47277
 Company Hamilton Wallace, Inc Rig Putnam K Rig
 Lease X-10 Well No. 6-1
 County Leas State KS
 Location Bazem x 5 2.5 mi DD Rd Field _____
 West of _____

CEMENT DATA:
 Spacer Type: Freehand
 Amt. 5 bbl Sls Yield _____ ft³/sk Density 8.34 PPG

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 1/8 Type 11wt Weight 73 lb Collar Standard

LEAD: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sls Yield _____ ft³/sk Density _____ PPG

Casing Depths: Top X 9 Bottom 223

TAIL: Pump Time 4 hrs 10 min hrs Type 3 1/4 in
2 1/2 in Excess _____
 Amt. 150 Sls Yield 1.34 ft³/sk Density 13.2 PPG
 WATER: Lead _____ gals/sk Tail 6.51 gals/sk Total 23.25 Bbls

Drill Pipe: Size 4 1/2 Weight _____ Collars 1 blk
 Open Hole: Size 12 1/4 T.D. 221 ft. P.B. to _____ ft.

Pump Trucks Used 366 Austin P
 Bulk Equip. 341 Xcel's W / Jan P

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 106.37 Lin. ft./Bbl. 15.70
 Open Hole: Bbls/Lin. ft. 14.58 Lin. ft./Bbl. 6.85
 Drill Pipe: Bbls/Lin. ft. 10.17 Lin. ft./Bbl. 70.72
 Annulus: Bbls/Lin. ft. 10.75 Lin. ft./Bbl. 13.60
 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 Freehand Amt. 13.25 Bbls. Weight 8.34 PPG
 Mud Type Water Weight 9.1 PPG

COMPANY REPRESENTATIVE John Smith

CEMENTER Bob Miller

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						On Location - Rig up
						3 1/4 in casing
						Run casing Great circulation
						Rig up cement pump
						Start fresh water
			5.00	5.00		Freehand in - Start cement
			26.25	23.25		Cement in - Stop pump
						Start displacement
			41.50	13.25		Cement did circulate
						Displacement in - Stop pumps



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

TICKET
 N° **82430**
 PAGE 1 OF 2

SERVICE LOCATIONS
 1. Ness City KS WELL/PROJECT NO. 6-1 LEASE Kuehn COUNTY/PARISH NEO STATE KS CITY Bazine DATE 26 OCT 11 OWNER
 2. TICKET TYPE SERVICE CONTRACTOR Portone, Inc. RIG NAME/NO. SHIPPED YRT DELIVERED TO location ORDER NO.
 3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE cement / my string WELL PERMIT NO. WELL LOCATION 1-195-22W
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
575		1			MILEAGE TRK 1H	20	m	6.00		120.00
578		1			Pump Charge	1	ea	1500.00		1500.00
402		1			Centralizer	5 1/2	in	5.00		350.00
403		1			Cement Basket	5 1/2	in	2.00		500.00
404		1			Port Collar	5 1/2	in	1.00		2400.00
406		1			Latchdown Plug & Baffle	5 1/2	in	1.00		250.00
407		1			INSERT Float shoe w/AUTO FILL	5 1/2	in	1.00		350.00
419		1			Rotating head rental	5 1/2	in	1.00		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

X
 DATE SIGNED _____ TIME SIGNED _____ A.M. P.M.

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

SURVEY	AGREE	DIS-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				5670.00
WE UNDERSTOOD AND MET YOUR NEEDS?				5236.25
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				10906.25
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TAX
<input checked="" type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND.				TOTAL

SWIFT OPERATOR APG 11/11 APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 26 Oct 11 PAGE NO.

CUSTOMER Ameri-con Warrior WELL NO. 6-1 LEASE Kamin JOB TYPE cement long string TICKET NO. 22428

CHART NO.	TIME	RATE (GPM)	VOLUME (OBL) (GAL)	PUMP'S		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sks EA-2 113 jts 15.5" = 5 1/2"
								TD = 4280' total pipe = 4280'
								Condu liners 1, 2, 3, 4, 68' 5, 69'
								Dev Collar #49 1363' sub jct 42.16'
								Plyback - 4237'
	1830							on loc TRK 114
	1940							start 5" 15.5" casing in well
	2155							Drop ball circulate ROTATE
	2210	4 3/4	12			700		Pump 500 gal mud flush
		4 3/4	20			200		Pump 20 bbl KCL flush
	2215							Plug RH 30 sks
	2219	4 3/4	43			250		mix EA-2 cement 145 sks @ 15.3 pps
	2238							Drop latch drum plug wash pump & lines
	2240	6 3/4				200		Displace plug
		6 3/4	88			400		
	2300	6 3/4	101			1500		Land plug
	2302							Release pressure to truck - dried up
	2310							wash truck
								RACK UP
	2340							job complete
								Thanks Dag Dave & Blaine



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

TICKET CONTINUATION

TICKET No. 22428

CUSTOMER American Warrior WELL Kuehn 6-1 DATE 26 OCT 11 PAGE 2 OF 2

325	1		STANDARD cement (For GA-2)	175 sk		13.50	23102.50
284	1		casual	800 lb	8 sk	35.00	280.00
283	1		salt	900 lb		0.20	180.00
292	1		halad-322	125 lb		7.75	968.75
276	1		flocel	50 lb		2.00	100.00
281	1		MUDFLUSH	500 gal		1.25	625.00
221	1		KCL liquid	2 gal		25.00	50.00
290	1		D-AIR	2 gal		35.00	70.00
582	1		Drayage (min)	1 ea		250.00	250.00
581			SERVICE CHARGE 175			2.00	350.00
			TOTAL WEIGHT	LOADED MILES	TOW MILES		

5236.25



CHARGE TO: **AMERICAN WARRIOR**
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET
 N° **22470**

PAGE **1** OF **1**

SERVICE LOCATIONS: **1. NESS CITY, KS**
 WELL/PROJECT NO.:
 LEASE: **KUEHN 6-1** COUNTY/STATE: **NESS KS** CITY: **BAZINE, KS** DATE: **1 Nov 11** OWNER:
 2. TICKET TYPE: SERVICE SALES CONTRACTOR: **HD DUFFIELD SERV** RIG NAME/NO.: SHIPPED VIA: DELIVERED TO: ORDER NO.:
 3. WELL TYPE: **DIL** WELL CATEGORY: **DEVELOPMENT** JOB PURPOSE: **CEMENT PORT COLLAR** WELL PERMIT NO.: WELL LOCATION: **3/4S, W FUTO**
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
575					MILEAGE #110	15	MIL	6.00		90.00
576D					PUMP CHARGE	1	JOB	1250.00	1250	1250.00
105					PORT COLLAR OPENING TOOL	1	JOB	350.00		350.00
276					FLDCELE	32	1/2	2.00		64.00
290					D-AIR	1	2	35.00		52.00
330					SWIFT MULTI DENSITY	125	SY	16.50		2062.50
581					SERVICE CHARGE CEMENT	175	SY	2.00		350.00
582					MINIMUM DRABASE	1738	4/16	250.00	13038	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

x **Scott**
 DATE SIGNED: **1 Nov 11** TIME SIGNED: **11:00** A.M. P.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
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"/> YES <input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	4469.00
TOTAL	4628.33

SWIFT OPERATOR: **Jim K...** APPROVAL:

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE Nov 11 1994

CUSTOMER AMERICAN WARRIOR WELL NO. LEASE KUEHN 6-1 JOB TYPE CEMENT PORT COLLAR TICKET NO. 22470

CHART NO.	TIME	RATE (GPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1420							ON LOCATION PORT COLLAR @ 1393
	1448				✓		1000	TEST - HELD
	1450	3			✓		400	OPEN PORT COLLAR TAKE IN RATE.
	1500	4	70	✓			600	MIX 125SX 5MID. CIRCULATE CEMENT TO SURFACE
		3	4 1/2	✓			300	DISPLACE CEMENT CIRCULATE 2DSX TO PUMP
	1518				✓		1000	CLOSE PORT COLLAR TEST HELD
								RUN 4 JOINTS
	1528	3	15		✓		300	REVERSE CEMENT OUT
	1533							WASH TRUCK
	1600							SUB COMPLETE
								THANKS #110
								JASON JEFF JOE.

Geological Report

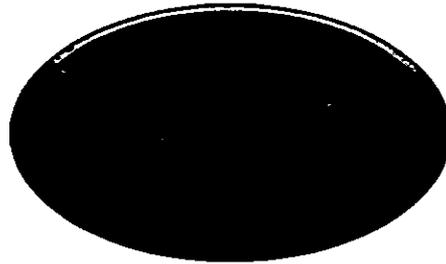
American Warrior, Inc.

Kuehn #6-1

1580' FSL & 500' FEL

Sec. 1 T19s R22w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Kuehn #6-1
1580' FSL & 500' FEL
Sec. 1 T19s R22w
Ness County, Kansas
API # 15-135-25195-0000

Drilling Contractor: Petromark Drilling, LLe Rig #1

Geologist: Jason Alm, Austin Klaus

Spud Date: October 19, 2011

Completion Date: October 26, 2011

Elevation: 2171' Ground Level
2177' Kelly Bushing

Directions: Bazine KS, from the south side of town, South on
DD rd. ¾ mi. West and North into location.

Casing: 223' 8 5/8" surface casing
4279' 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. "Dustin Rash"

Problems: None

Remarks: None

Formation Tops

	American Warrior, Inc.
	Kuehn #6-1
	Sec. 1 T19s R22w
	1580' FSL & 500' FEL
Formation	
Anhydrite	1418', +759
Base	1452', +725
Heebner	3648', -1471
Lansing	3692', -1515
BKc	4019', -1842
Pawnee	4110', -1933
Fort Scott	4180', -2003
Cherokee	4200', -2023
Mississippian	4266', -2089
RTD	4280', -2103

Sample Zone Descriptions

Mississippian Osage (4266', -2089): Covered in DST #1

Dolo - Δ - Fine sucrosic crystalline with fair vuggy porosity, heavy chert, triptolitic, weathered with good vuggy porosity, light to fair oil stain and saturation, slight show of free oil, light odor, good yellow cut fluorescents, 80 units hotwire.

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

DST #1

Mississippian Osage

Interval (4269' - 4280') Anchor Length 11'

IHP	- 2178 #	
IFP	- 45" - B.O.B. 15 min.	25-117 #
ISI	- 45" - Built to 2.5 in.	1157 #
FFP	- 45" - B.O.B. 20 min.	121-183 #
FSI	- 45" - Built to 3 in.	1128 #
FHP	- 2056 #	
BHT	- 122°F	

Recovery:	290' GIP	
	200' GCO	Gravity: 41°API
	60' GHOCM	40% Oil
	60' GHOCM	30% Oil
	120' MW	

Structural Comparison

	American Warrior, Inc. Kuehn #6-1 Sec. 1 T19s R22w 1580' FSL & 500' FEL	American Warrior, Inc. Kuehn #1-1 Sec. 1 T19s R22w 2310' FSL & 440' FEL		American Warrior, Inc. Kuehn #3-1 Sec. 1 T19s R22w 648' FSL & 990' FEL	
Formation					
Anhydrite	1418', +759	1414', +755	(+4)	1428', +759	FL
Base	1452', +725	NA	NA	1462', +725	FL
Heebner	3648', -1471	3640', -1471	FL	3656', -1469	(-2)
Lansing	3692', -1515	3684', -1515	FL	3700', -1513	(-2)
BKc	4019', -1842	NA	NA	4030', -1843	(+1)
Pawnee	4110', -1933	NA	NA	4115', -1928	(-5)
Fort Scott	4180', -2003	4176', -2007	(+4)	4191', -2004	(+1)
Cherokee	4200', -2023	4196', -2027	(+4)	4210', -2023	FL
Mississippian	4266', -2089	4262', -2093	(+4)	4284', -2097	(+8)

Summary

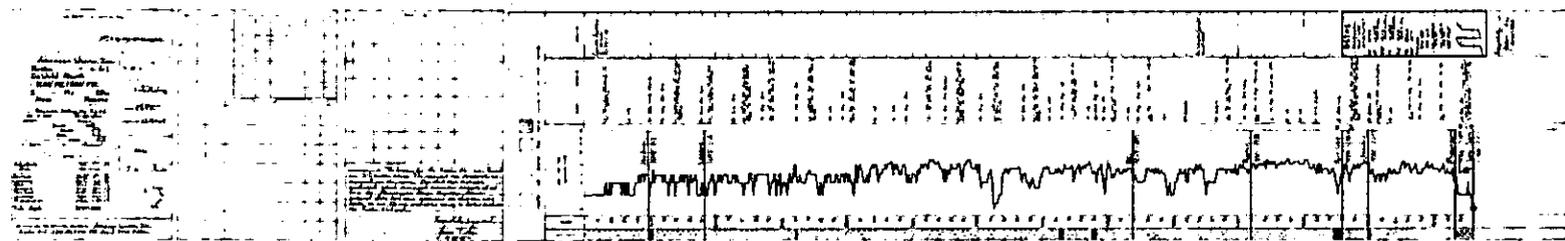
The location for the Kuehn #6-1 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made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

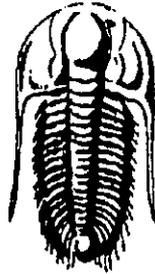
Recommended Perforations

Mississippian Osage: **(4266' – 4275')** **DST #1**

Respectfully Submitted,

Jason Alm
Hard Rock Consulting, Inc.





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

3118 Cummings Rd.
Garden City, KS 67846

ATTN: Jason Alm

Kuehn #6-1

1-19s-22w Ness,KS

Start Date: 2011.10.26 @ 04:07:30

End Date: 2011.10.26 @ 11:34:30

Job Ticket #: 45268 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.11.02 @ 11:04:44

American Warrior, Inc.

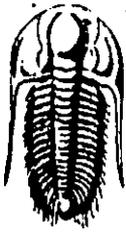
1-19s-22w Ness,KS

Kuehn #6-1

DST # 1

Mississippian

2011.10.26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.
3118 Cummings Rd.
Garden City, KS 67846
ATTN: Jason Alm

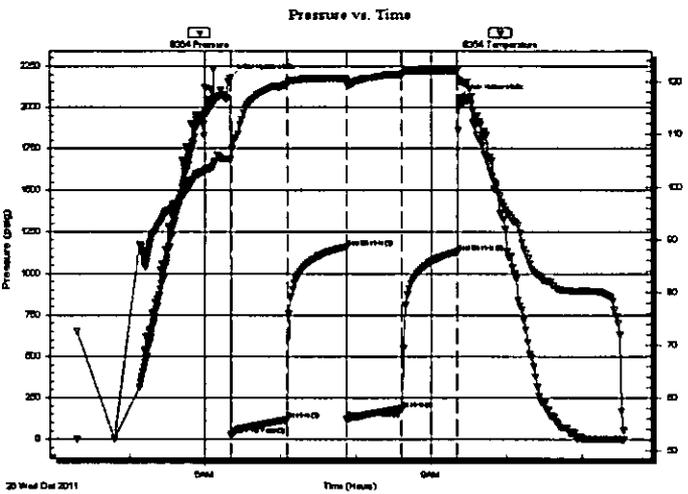
1-19s-22w Ness,KS
Kuehn #6-1
Job Ticket: 45268 **DST#: 1**
Test Start: 2011.10.26 @ 04:07:30

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock ft (KB)
Time Tool Opened: 06:20:30
Time Test Ended: 11:34:30
Interval: **4269.00 ft (KB) To 4280.00 ft (KB) (TVD)**
Total Depth: 4280.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Rash
Unit No: 38
Reference Elevations: 2177.00 ft (KB)
2171.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8354 **Inside**
Press@RunDepth: 183.06 psig @ 4271.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.10.26 End Date: 2011.10.26 Last Calib.: 2011.10.26
Start Time: 04:17:30 End Time: 11:34:30 Time On Btm: 2011.10.26 @ 06:20:00
Time Off Btm: 2011.10.26 @ 09:22:30

TEST COMMENT: IF-Fair building blow. BOB in 15 minutes.
IS-Return @ 50 seconds. Built to 2 & 1/2 inches.
FF-Fair building blow. BOB in 20 minutes.
FSI-Return @ 60 seconds. Built to 3 inches.



PRESSURE SUMMARY

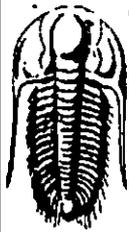
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2178.44	105.06	Initial Hydro-static
1	25.20	105.27	Open To Flow (1)
45	117.64	119.50	Shut-In(1)
92	1157.35	120.53	End Shut-In(1)
93	121.55	120.04	Open To Flow (2)
137	183.06	121.43	Shut-In(2)
181	1128.17	122.04	End Shut-In(2)
183	2056.31	120.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	90%Water/10%Mud	0.60
60.00	20%Gas/30%Oil/50%Mud	0.84
60.00	10%Gas/40%Oil/50%Mud	0.84
200.00	30%Gas/70%Oil	2.81
0.00	290' 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.

1-19s-22w Ness,KS

3118 Cummings Rd.
Garden City, KS 67846

Kuehn #6-1

Job Ticket: 45268

DST#: 1

ATTN: Jason Alm

Test Start: 2011.10.26 @ 04:07:30

Tool Information

Drill Pipe:	Length: 4134.00 ft	Diameter: 3.80 inches	Volume: 57.99 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: 24000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Full Loose: 5000.00 lb
			<u>Total Volume: 58.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4269.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4242.00	
Shut In Tool	5.00			4247.00	
Hydraulic tool	5.00			4252.00	
Jars	5.00			4257.00	
Safety Joint	3.00			4260.00	
Packer	5.00			4265.00	28.00 Bottom Of Top Packer
Packer	4.00			4269.00	
Stubb	1.00			4270.00	
Perforations	1.00			4271.00	
Recorder	0.00	8354	Inside	4271.00	
Recorder	0.00	8520	Outside	4271.00	
Perforations	6.00			4277.00	
Bullnose	3.00			4280.00	11.00 Bottom Packers & Anchor

Total Tool Length: 39.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

1-19s-22w Ness,KS

3118 Cummings Rd.
Garden City, KS 67846

Kuehn #6-1

Job Ticket: 45268

DST#: 1

ATTN: Jason Alm

Test Start: 2011.10.26 @ 04:07:30

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:

7400 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: 1.12 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	90%Water/10%Mud	0.599
60.00	20%Gas/30%Oil/50%Mud	0.842
60.00	10%Gas/40%Oil/50%Mud	0.842
200.00	30%Gas/70%Oil	2.805
0.00	290' G.I.P.	0.000

Total Length:

440.00 ft

Total Volume:

5.088 bbl

Num Fluid Samples: 0

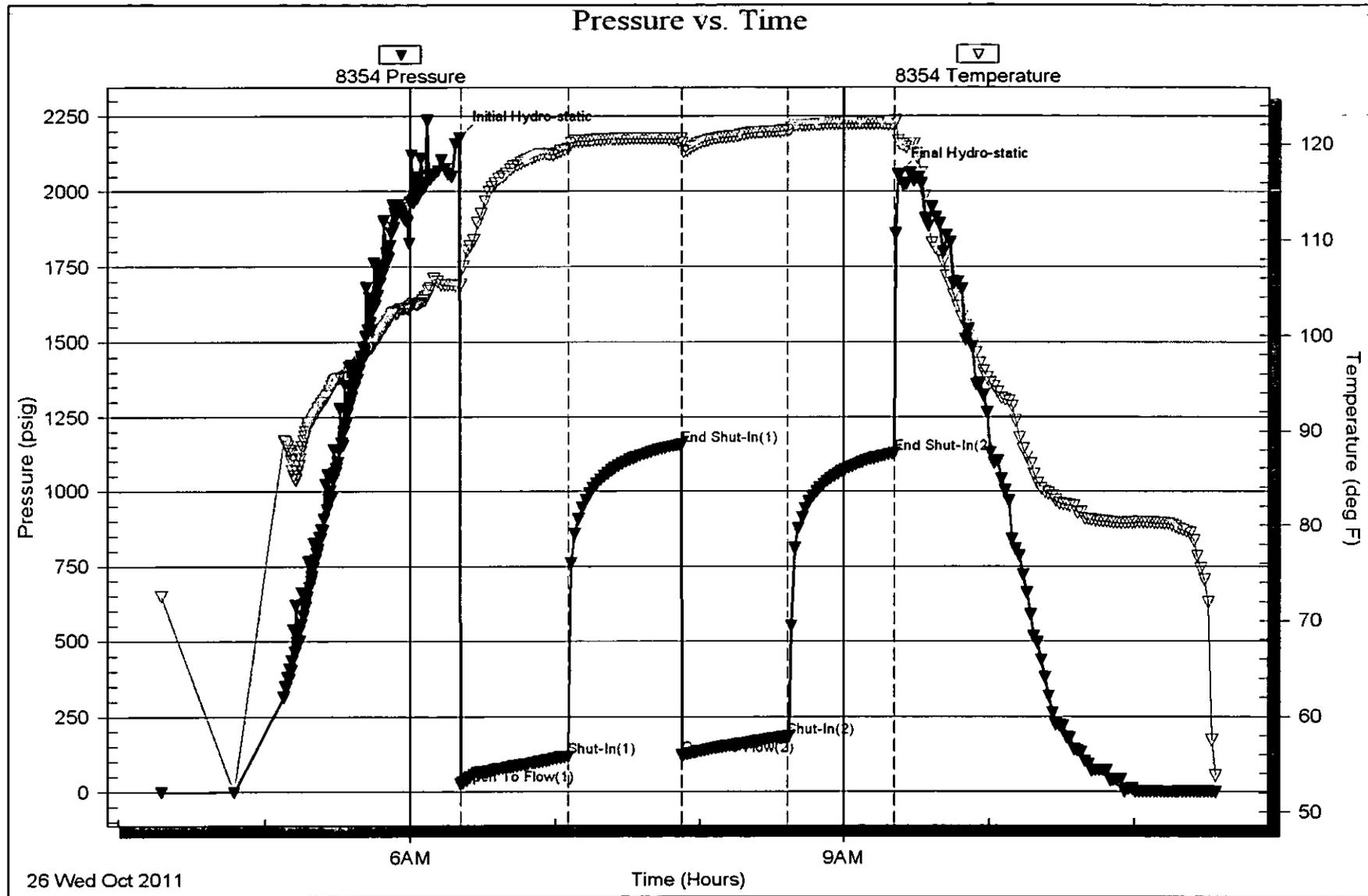
Num Gas Bombs: 0

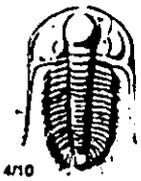
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 290' G.I.P.





TRIOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 45268

Well Name & No. Kuehn #6-1 Test No. 1 Date 10-26-11
 Company American Warrior, Inc. Elevation 2177 KB 2171 GL
 Address 3118 Cummings Rd. Garden City, KS 67846
 Co. Rep / Geo. Jason Alm Rig Periomark 1
 Location: Sec. 1 Twp. 19S Rge. 22W Co. Ness State KS

Interval Tested 4269-4280 Zone Tested Mississippian
 Anchor Length 11' Drill Pipe Run 4134 Mud Wt. 9.2
 Top Packer Depth 4264 Drill Collars Run 119 Vis 48
 Bottom Packer Depth 4269 Wt. Pipe Run 0 WL 9.2
 Total Depth 4280 Chlorides 7300 ppm System LCM 0

Blow Description FF - Fair building blow. BOB in 15 minutes.
IST - Return @ 50 seconds. Built to 2 1/2 inches.
FF - Fair building blow. BOB in 20 minutes.
FST - Return @ 60 seconds. Built to 3 inches.

Rec	Feet of	%gas	%oil	%water	%mud
<u>200</u>	<u>Gassy Oil</u>	<u>30</u>	<u>70</u>		
<u>60</u>	<u>Gassy HOCM</u>	<u>10</u>	<u>40</u>		<u>50</u>
<u>60</u>	<u>Gassy HOCM</u>	<u>20</u>	<u>30</u>		<u>50</u>
<u>120</u>	<u>Muddy Water</u>			<u>90</u>	<u>10</u>
<u>290'</u>	<u>G.I.P.</u>				

Rec Total 440 BHT 121 Gravity 40 API RW 1.118 @ 50 °F Chlorides 7400 ppm

(A) Initial Hydrostatic 2178 Test 1225' T-On Location 0330
 (B) First Initial Flow 25 Jars 250' T-Started 0430
 (C) First Final Flow 118 Safety Joint 75' T-Open 0620
 (D) Initial Shut-In 1157 Circ Sub T-Pulled 0920
 (E) Second Initial Flow 122 Hourly Standby T-Out 1130
 (F) Second Final Flow 183 Mileage 52X2 104RT Comments BATT-0407
 (G) Final Shut-In 1128 Sampler 145.60
 (H) Final Hydrostatic 2056 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer

Initial Open 45 Extra Packer Extra Copies
 Initial Shut-In 45 Extra Recorder Sub Total 0
 Final Flow 45 Day Standby Total 1695.60
 Final Shut-In 45 Accessibility MP/DST Disc't

Approved By _____ Our Representative D. Rash
 Sub Total 1695.60

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