

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

5/2/14

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4058
Name: American Warrior Inc.
Address 1: P.O. Box 399
Address 2: _____
City: Garden City State: Ks. Zip: 67846 +
Contact Person: Jody Smith
Phone: (620) 275-2963
CONTRACTOR: License # 5822
Name: Val Energy Inc.
Wellsite Geologist: Harley Sayles
Purchaser: None

API No. 15 - 081-21967-00-00
Spot Description: _____
NE_SW_NW_NW Sec. 4 Twp. 28 S. R. 33 East West
710 Feet from North / South Line of Section
335 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Haskell
Lease Name: O'Brate Well #: 2-4
Field Name: Haskell North

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SLOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

Producing Formation: Chase
Elevation: Ground: 2998' Kelly Bushing: 3008'
Total Depth: 5550' Plug Back Total Depth: 3208'
Amount of Surface Pipe Set and Cemented at: 1750' 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.

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 #: _____

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 14,000 ppm Fluid volume: 60 bbls
Dewatering method used: Evaporation
Location of fluid disposal if hauled offsite:
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ S. R. East West
County: _____ Permit #: _____

1/5/12	1/15/12	4/30/12
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.
Signature: _____
Title: Foreman Date: 5/1/12

KCC Office Use ONLY
 Letter of Confidentiality Received
Date: 5/2/12 - 5/2/14
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NJ Date: 5/18/12

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Operator Name: American Warrior Inc. Lease Name: O'Brate Well #: 2-4
 Sec. 4 Twp. 28 S. R. 33 East West County: Haskell

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Mico, Prosimy, Induction & Bond.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Anhy</td> <td>1910'</td> <td>+1100</td> </tr> <tr> <td>B/Anhy</td> <td>1985'</td> <td>+1025</td> </tr> <tr> <td>Krader</td> <td>2728'</td> <td>+287</td> </tr> <tr> <td>Heebner</td> <td>4137'</td> <td>-1127</td> </tr> <tr> <td>Atola</td> <td>5170'</td> <td>-2160</td> </tr> <tr> <td>Mississippian</td> <td>5227'</td> <td>-2217</td> </tr> <tr> <td>St. Louis</td> <td>5481</td> <td>-2471</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Anhy	1910'	+1100	B/Anhy	1985'	+1025	Krader	2728'	+287	Heebner	4137'	-1127	Atola	5170'	-2160	Mississippian	5227'	-2217	St. Louis	5481	-2471
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Mississippian	5227'	-2217																										
St. Louis	5481	-2471																										

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 1/4	8 5/8	24#	1750'	65/35	675	6%gel, 3%CC, 1/4#
Production	7 7/8	5 1/2	15.5'	3258'	EA-2	125sx	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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	2728' to 2734'	5000 gal 28% FE	
4	3022 to 3060'	2500 gal 15% FE	

TUBING RECORD:		Size: <u>21/16 2/16 SEALTITE</u>	Set At: <u>3210'</u>	Packer At: <u>3210'</u>	Liner Run: <input type="checkbox"/> Yes	CONFIDENTIAL
Date of First, Resumed Production, SWD or ENHR.		Producing Method:			MAY 02 2014	
		<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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
	0	211	0			

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>2728' TO 2807'</u>
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Geological Report

American Warrior Inc.
O' Brate #2-4
710' FNL & 335' FWL
Sec. 4 T28s R33w
Haskell County, Kansas



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American Warrior, Inc.

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General Data

Well Data: American Warrior, Inc.
O' Brate #2-4
710' FNL & 335' FWL
Sec. 4 T28s R33w
Haskell County, Kansas
API # 15-081-21967-0000

Drilling Contractor: Val Energy, Inc. Rig #1

Geologist: Harley Sayles

Spud Date: January 5, 2011

Completion Date: January 14, 2011

Elevation: 2998' Ground Level
3008' Kelly Bushing

Directions: 14 mi North on Hwy 83 from Sublette to Rd 70,
then 4.0 mi West on Rd 70, South then East into
location

Casing: 24# 8 5/8" surface casing @ 1750' with 675 sacks
65/35 poz 6% el 3% CC, 1/4# FC, 17# 5 1/2"
production casing @ 3258' with 125 sacks

Samples: 20' wet, 2680' to 3060' and 10' wet and dry, 4100'
to RTD

Drilling Time: 2650' to 3050' and 4000' to RTD

Electric Logs: Dual Induction, Microresistivity, Dual
Compensated Porosity

Drillstem Tests: One, Trilobite Testing, Inc. "Mike Slemp"

Problems: None

Remarks: Extreme facies changes below Morrow shale

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Formation Tops

Formation	American Warrior, Inc. O'Brate #2-4 Sec. 4 T28s R33w 710' FNL & 335' FWL
Anhydrite	1910', +1100
Base	1985', +1025
Herington	2684', +326
Chase Group/Krider	2728', +282
Winfield	2794', +216
Towanda	2846', +164
Council Grove	2980', +30
Heebner	4137', -1127
Lansing	4223', -1213
Marmaton	4804', -1794
Cherokee	5053', -2043
Atoka	5170', -2160
Morrow Shale	5227', -2217
Morrow Sand	5303', -2293
Chester Sand upper	absent
St. Genevieve	absent
St. Louis	5481', -2471
LTD	5552', -2542

Sample Zone Descriptions

Morrow Sand (5303', -2293): Covered in DST #1

SS- clear to white to opaque, fine to medium grained, medium sorted, sub rounded, good intergranular porosity, good show of free oil, good cut, strong odor, florescence, very glauconitic, calcareous, friable to dense, 25 units hotwire

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Drill Stem Tests
Trilobite Testing Inc.
"Mike Slemp"

DST #1

Morrow Sand

Interval (5168' – 5332') Anchor Length 164'

IHP	- 2565 #	
IFP	- 30" – BOB in 15 min	48-197 #
ISI	- 45" – no blow back	1331 #
FFP	- 45" – BOB in 25 min	171-300 #
FSIP	- 60" – no blow back	1324 #
FHP	- 2424 #	
BHT	- 124°F	

Recovery: 1198' MW (80% MCW, 20% W)

Structural Comparison

Formation	American Warrior, Inc.	American Warrior, Inc.		EOG Resources, Inc.	
	O' Brate #2-4 Sec. 4 T28s R33w 710' FNL & 335' FWL	O' Brate #1-4 Sec. 4 T28s R33w 553' FNL & 927' FWL		O' Brate #1-33 Sec. 33 T27s R33w 575' FSL & 1910' FWL	
Anhydrite	1910', +1100	1910', +1098	(+2)	1904', +1094	(+6)
Base	1985', +1025	1985', +1023	(+2)	1977', +1021	(+4)
Herington	2684', +326	2687', +323	(+3)	2680', +318	(+8)
Chase Group/Krider	2728', +282	2732', +276	(+6)	2726', +272	(+10)
Winfield	2794', +216	2798', +212	(+4)	2790', +208	(+8)
Towanda	2846', +164	2850', +160	(+4)	2843', +155	(+9)
Council Grove	2980', +30	2986', +22	(+8)	2980', +18	(+12)
Heebner	4137', -1127	4140', -1132	(+5)	4132', -1134	(+7)
Lansing	4223', -1213	4225', -1217	(+4)	4218', -1220	(+7)
Marmaton	4804', -1794	4786', -1778	(-16)	4775', -1777	(-17)
Cherokee	5053', -2043	5049', -2041	(-2)	5040', -2042	(-1)
Atoka	5170', -2160	5164', -2156	(-4)	5152', -2154	(-6)
Morrow Shale	5227', -2217	5220', -2212	(-5)	5209', -2211	(-6)
Morrow Sand	5303', -2293	absent	N/A	5290', -2292	(-1)
Chester Sand upper	absent	5330', -2322	N/A	5314', -2316	N/A
St. Genevieve	absent	5399', -2391	N/A	5367', -2369	N/A
St. Louis	5481', -2471	5461', -2453	(-18)	5421', -2423	(-48)
LTD	5552', -2542				

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Summary

The location for the O' Brate #2-4 well was found via 3-D seismic survey. The new well ran structurally unknown via the survey at this time. One drill stem test was conducted which was negative. Shallow gas of the Chase Group was detected with significant gas kicks. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to 3258' to further evaluate the O' Brate #2-4 well and to attempt a dual completion as a gas well and as a saltwater disposal well.

Recommended Gas Production Perforations

Primary:		
Towanda Upper:	(2846' – 2854')	310 units
Winfield Upper:	(2798' – 2807')	220 units
Secondary:		
Towanda Lower:	(2860' – 2872')	225 units
Krider Upper:	(2728' – 2732')	210 units
Before Abandonment:		
Lower Krider:	(2747' – 2755')	200 units

Recommended Saltwater Disposal Perforations

Primary:	
Council Grove:	(3030' – 3058')

Respectfully Submitted,

Harley K. Sayles
American Warrior Inc.

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620-275-5067

ALLIED OIL & GAS SERVICES, LLC 053354

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

SERVICE POINT:
Liberal, KS

DATE: <u>06-12</u>	SEC. <u>4</u>	TWP. <u>28s</u>	RANGE <u>33w</u>	CALLED OUT	ON LOCATION	JOB START <u>5:15pm</u>	JOB FINISH <u>6:15pm</u>
LEASE <u>O'Brate</u>	WELL # <u>7-4</u>	LOCATION <u>Ver Coarden City, KS</u>			COUNTY <u>Haskell</u>	STATE <u>KS</u>	
OLD DR. (NEW) (Circle one)	<u>S to CR 70 west 4 1/2 S east into</u>			<u>KS1-01 MBE</u>			

CONTRACTOR Val Rigi OWNER 6.8%
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 TD. 1750
 CASING SIZE 8 5/8 DEPTH 1754.55
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 1500 MINIMUM 500
 MEAS. LINE SHOE JOINT 40.37
 CEMENT LEFT IN CSG. 40.37
 PERFS.
 DISPLACEMENT 109.2 BBL H₂O

EQUIPMENT
 PUMP TRUCK CEMENTER Kenney 1
 # 470-484 HELPER Jose 3
 BULK TRUCK
 # 472-467 DRIVER Leann 3
 BULK TRUCK
 # 457-251 DRIVER Jeremiah

CEMENT
 AMOUNT ORDERED 675 SK 65/35/16 1/2
gel 3/4 CC 1/4 # Floeal
150 SK Class A 3/4 CC 2 1/2 gel

COMMON	150	@ 16.25	2437.50
POZMIX		@	
GEL	3	@ 21.25	63.75
CHLORIDE	28	@ 58.20	1629.60
ASC		@	
Light Weight	675	@ 15.00	10125.00
Floeal	206	@ 2.70	556.20
		@	
		@	
		@	
		@	
		@	
HANDLING	865	@ 2.25	1946.25
MILEAGE			4757.50
			TOTAL 21515.80

REMARKS:

Landed & Heded
Circulated Cement to Surface
THANK YOU!!!

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			1925.00
EXTRA FOOTAGE		@	
MILEAGE	100	@ 7.00	700.00
MANIFOLD	1	@ 200.00	200.00
Light & Mileage	100	@ 4.00	400.00
		@	
			TOTAL 3225.00

CHARGE TO: American Worrior
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

Centrifuge	2	@ 64.00	128.00
Basket	1	@ 478.00	478.00
AFU Insert	1	@ 311.00	311.00
Rubber Plug	1	@ 112.00	112.00
		@	
			TOTAL 1029.00

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

SALES TAX (If Any) 1077.19
 TOTAL CHARGES \$25769.80
 DISCOUNT \$20615.84 IF PAID IN 30 DAYS

PRINTED NAME Walter Purcell
 SIGNATURE [Signature]

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

TICKET No 22618

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SERVICE LOCATIONS 1. <u>Ness City KS</u>	WELL/PROJECT NO. <u>2-4</u>	LEASE <u>O Brote</u>	COUNTY/PARISH <u>Haskell</u>	STATE <u>KS</u>	CITY <u>GARDEN CITY</u>	DATE <u>15 Jan 12</u>	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>YAL</u>	RIG NAME/NO. <u>1</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>location</u>	ORDER NO.	
3.	WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>cement long string</u>	WELL PERMIT NO.	WELL LOCATION <u>4-28-33W</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE <u>TRK 114</u>	100		mi		6.00	600.00
578		1			<u>Pump Charge</u>	1		ea		1500.00	1500.00
402		1			<u>Centralizer</u>	5 1/2		in	9 ea	70.00	630.00
403		1			<u>Cement Basket</u>	5 1/2		in	2 ea	250.00	500.00
405		1			<u>Packer Shoe</u>	5 1/2		in	1 ea	1400.00	1400.00
406		1			<u>Latch drum plug 3/4 baffle</u>	5 1/2		in	1 ea	250.00	250.00

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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	UN-DECIDED	DIS-AGREE	PAGE TOTAL 1	4880.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				2	5937.50
WE UNDERSTOOD AND MET YOUR NEEDS?				sub total	10,817.50
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Haskell TAX 6.8%	506.69
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	11,324.19
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: Reg 11 APPROVAL: _____

Thank You!



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

TICKET CONTINUATION

TICKET No. 22618

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CUSTOMER American Warrior 2-4
WELL OB/16
DATE 15 Jan 12
PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
325		1				Standard cement (for EA-2)	175	sk			13.50	2362.50
284		1				calseal	800	lb	5	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				flocele	50	lb			2.00	100.00
290		1				D-AIR	3	gal			35.00	105.00
281		1				mudflush	500	gal			1.25	625.00
221		1				KCL ligord	2	gal			25.00	50.00
581		1				SERVICE CHARGE	175				2.00	350.00
583		1				MILEAGE CHARGE	1832		100		1.00	1832.00
						TOTAL WEIGHT	1832		100			
						LOADED MILES			916.25			
						TON MILES			916.25			

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CONTINUATION TOTAL 5937.50

JOB LOG

SWIFT Services, Inc.

DATE 15 Jan 12 PAGE NO. 1

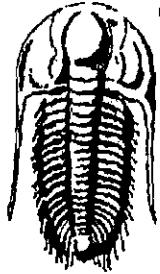
CUSTOMER American Warrior WELL NO. 24 LEASE OBrate JOB TYPE Cement long string TICKET NO. 221618

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								1759k SA-2 w/ floccula 77 joints 5 1/2" 15.5# casing TOTAL PIPE 3249'
								Condr. 1, 3, 5, 7, 9, 11, 13, 15, 17 Bskt 2, 15 objct 42. Prober shoe
	1400							on loc TRK 114
	1500							start 5 1/2" 15.5# casing in well
	1650							circulate
	1700						1200	Drop ball - set packer shoe
	1705	4 3/4	12				200	Pump 500 gal mud flush
		4 3/4	20				200	Pump 20 bbl RCL flush
	1710		10					Plug RH - MH 30 SKS - 20 SKS
	1720	4 3/4	32				750	Mix SA-2 cement @ 15.5 ppg 125 SKS
	1735							Drop latch down plug
								Wash out pump & lines
	1737	6 3/4					700	Displace plug
		6 3/4	70				800	
	1745	6 3/4	77				1550	Land plug
	1750							Release pressure to truck - dried up
	1755							wash truck
								Rack up
	1930							job complete

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T. C. ...
Russ Dave Blaine
KCC WICHITA



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Harley Sayles

O'Brate #2-4

4-28s-33w Haskell,KS

Start Date: 2012.01.13 @ 12:30:02

End Date: 2012.01.13 @ 21:41:17

Job Ticket #: 42329 DST #: 1

American Warrior Inc. 4-28s-33w Haskell,KS O'Brate #2-4 DST # 1 Chester Sand 2012.01.13

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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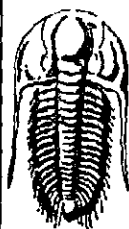
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KCC



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc.
PO Box 399
Garden City, KS 67846
ATTN: Harley Sayles

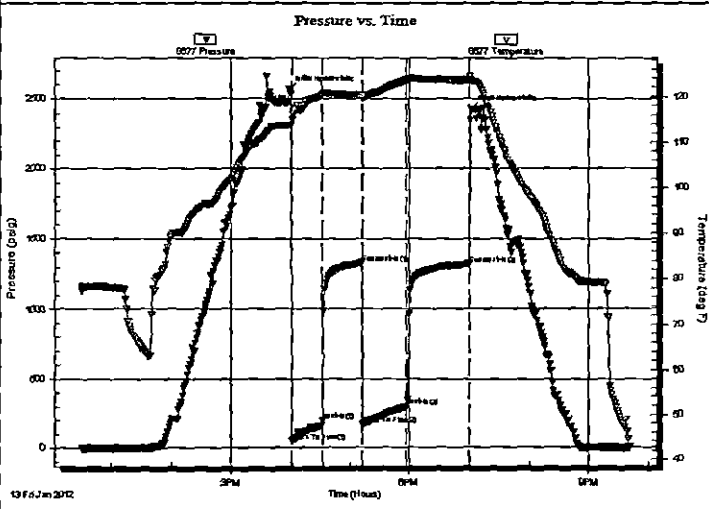
4-28s-33w Haskell, KS
O'Brate #2-4
Job Ticket: 42329 **DST#: 1**
Test Start: 2012.01.13 @ 12:30:02

GENERAL INFORMATION:

Formation: **Chester Sand**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 16:01:02
Time Test Ended: 21:41:17
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Mike Slemp**
Unit No: **53**
Interval: **5168.00 ft (KB) To 5332.00 ft (KB) (TVD)**
Total Depth: **5332.00 ft (KB) (TVD)**
Reference Elevations: **3007.00 ft (KB)**
2997.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Good**
KB to GRVCF: **10.00 ft**

Serial #: 8677 **Inside**
Press@RunDepth: **299.85 psig @ 5170.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.01.13** End Date: **2012.01.13** Last Calib.: **2012.01.13**
Start Time: **12:30:03** End Time: **21:41:17** Time On Btm: **2012.01.13 @ 15:58:32**
Time Off Btm: **2012.01.13 @ 19:02:17**

TEST COMMENT: IF- Strong blow BOB in 15 min
IS- No blow back
FF- BOB in 25 min
FSI- No blow back



PRESSURE SUMMARY

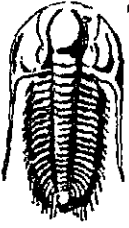
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2565.16	113.77	Initial Hydro-static
3	48.08	114.95	Open To Flow (1)
34	197.23	120.38	Shut-In(1)
74	1330.73	120.32	End Shut-In(1)
75	170.96	119.53	Open To Flow (2)
119	299.85	123.65	Shut-In(2)
182	1323.53	123.65	End Shut-In(2)
184	2424.15	123.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1198.00	MCW 80%water20%mud	16.80

Gas Rates

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



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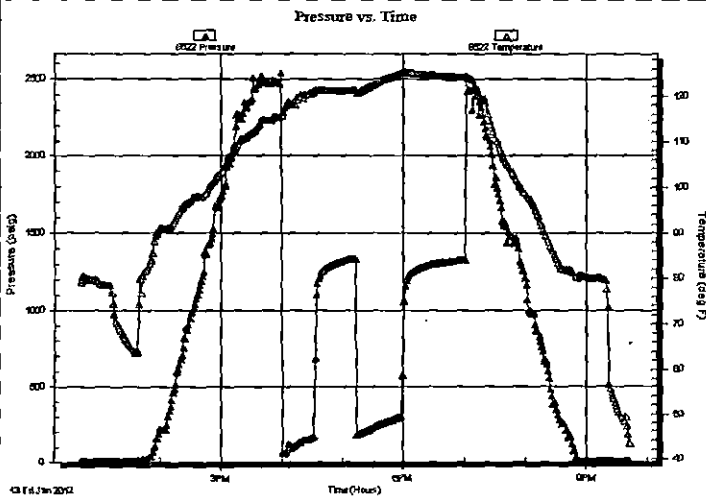
4-28s-33w Haskell, KS
O'Brate #2-4
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Total Depth: **5332.00 ft (KB) (TVD)**
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Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Mike Siemp**
Unit No: **53**
Reference Elevations: **3007.00 ft (KB)**
2997.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: 8522 Inside
Press@RunDepth: psig @ 5170.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.01.13 End Date: 2012.01.13 Last Calib.: 2012.01.13
Start Time: 12:43:17 End Time: 21:42:01 Time On Btrr
Time Off Btrr

TEST COMMENT: IF- Strong blow BOB in 15 min
IS- No blow back
FF- BOB in 25 min
FS- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
1198.00	MCW 80% water 20% mud	16.80

Gas Rates

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



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TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.
PO Box 399
Garden City, KS 67846

ATTN: Harley Sayles

4-28s-33w Haskell,KS
O'Brate #2-4
Job Ticket: 42329 **DST#: 1**
Test Start: 2012.01.13 @ 12:30:02

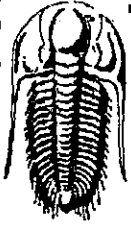
Tool Information

Drill Pipe:	Length: 5172.00 ft	Diameter: 3.80 inches	Volume: 72.55 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
			Total Volume: 72.55 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5168.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	164.00 ft			
Tool Length:	190.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5147.00	
Hydraulic tool	5.00			5152.00	
Jars	5.00			5157.00	
Safety Joint	2.00			5159.00	
Packer	5.00			5164.00	26.00 Bottom Of Top Packer
Packer	4.00			5168.00	
Stubb	1.00			5169.00	
Perforations	1.00			5170.00	
Recorder	0.00	8677	Inside	5170.00	
Recorder	0.00	8522	Inside	5170.00	
Perforations	33.00			5203.00	
Change Over Sub	1.00			5204.00	
Drill Pipe	124.00			5328.00	
Change Over Sub	1.00			5329.00	
Bullnose	3.00			5332.00	164.00 Bottom Packers & Anchor

Total Tool Length: 190.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

4-28s-33w Haskell, KS

PO Box 399
Garden City, KS 67846

O'Brate #2-4

Job Ticket: 42329

DST#: 1

ATTN: Harley Sayles

Test Start: 2012.01.13 @ 12:30:02

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:

10000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
1198.00	MCV 80% water 20% mud	16.805

Total Length: 1198.00 ft Total Volume: 16.805 bbf

Num Fluid Samples: 0

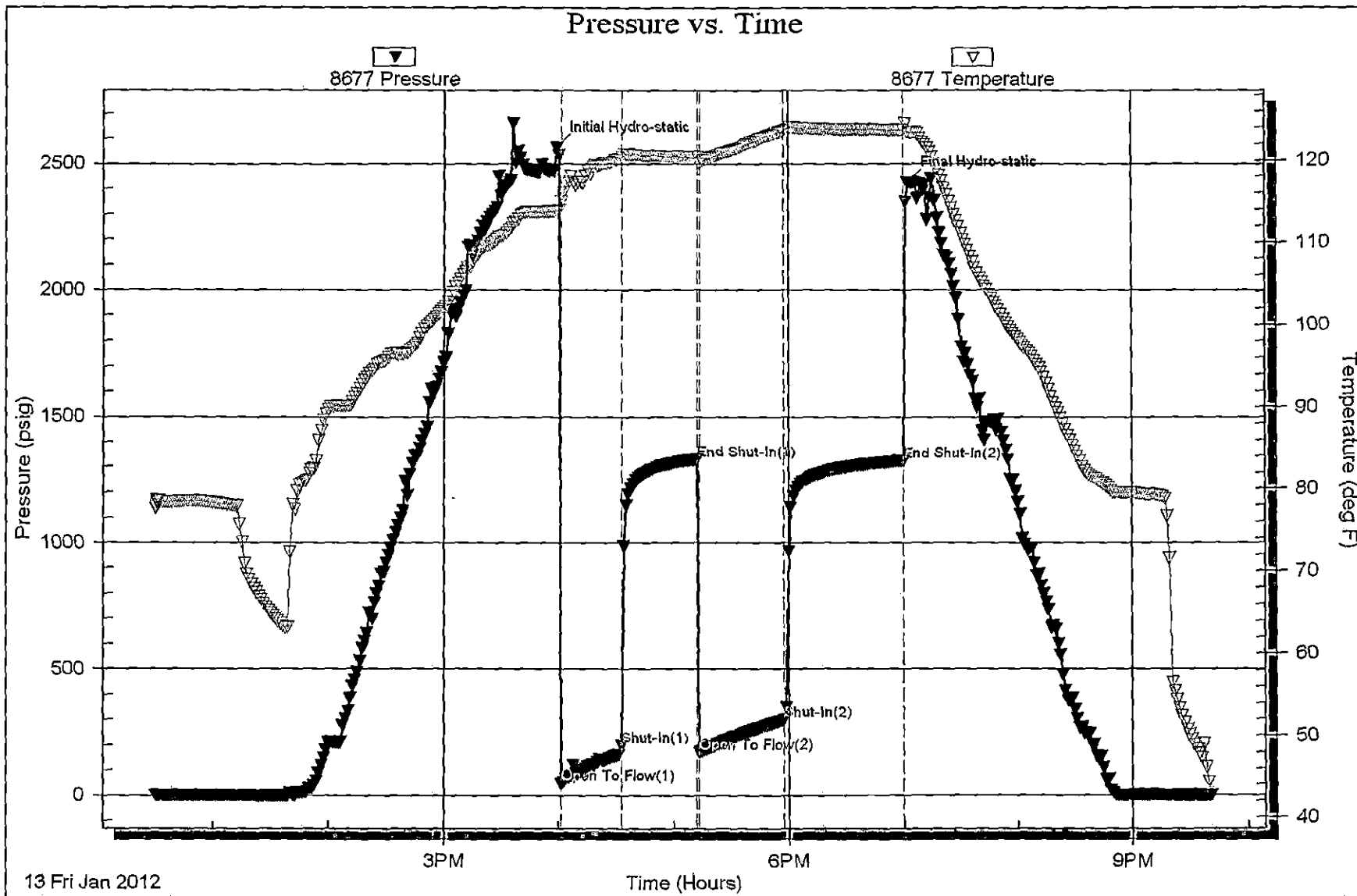
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



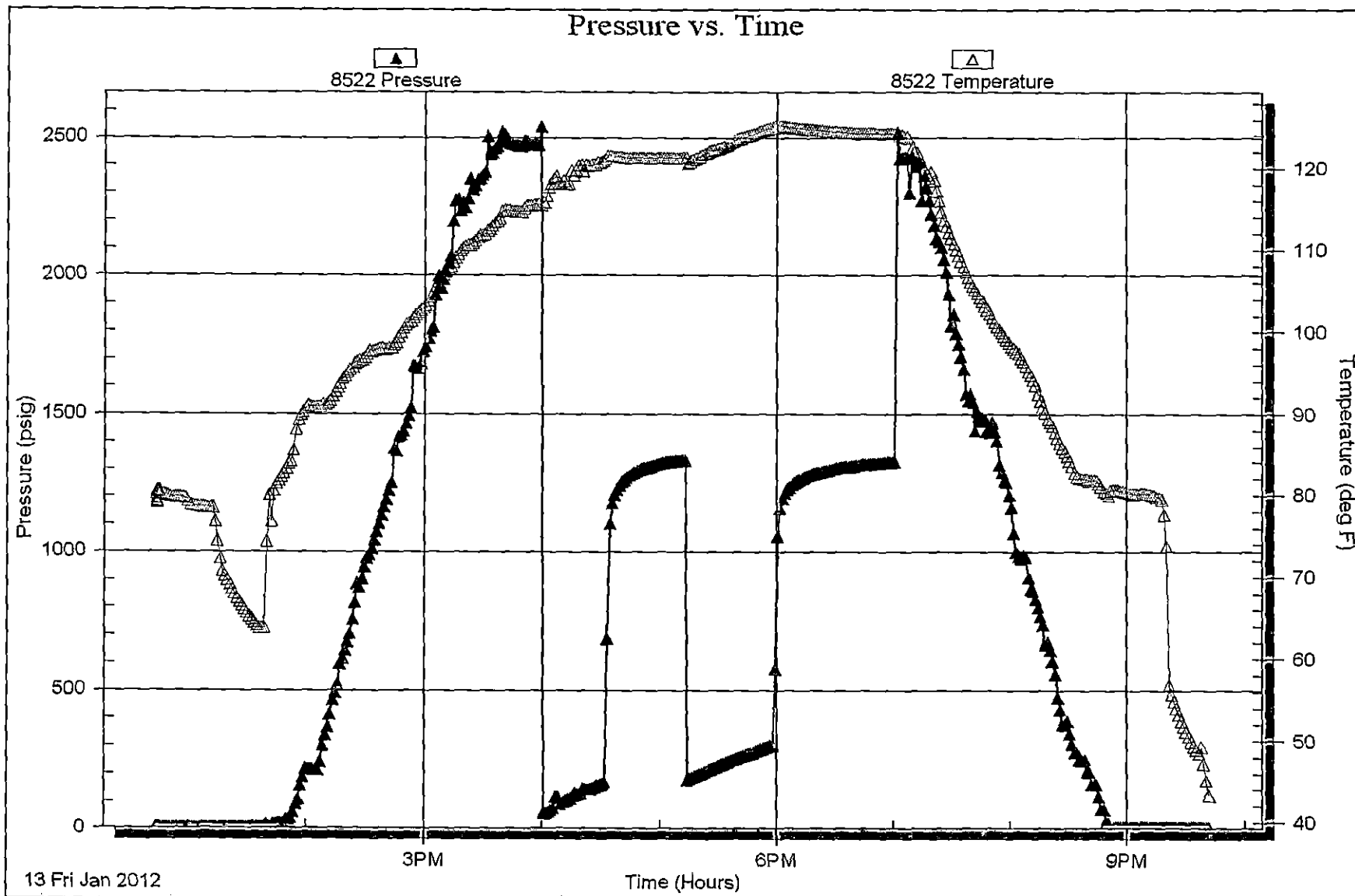
13 Fri Jan 2012

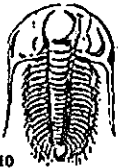
Serial #: 8522

Inside American Warrior Inc.

O'Brate #2-4

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 20 2012

Test Ticket

No. 042329

Well Name & No. O'Brate #2-4 Test No. 1 Date 1-13-12
 Company American Warrior Elevation 3007 KB 2997 GL
 Address PO Box 399 Garden City KS 67846
 Co. Rep / Geo. Harley Sayles Rig Vel 1
 Location: Sec. 4 Twp. 28s Rge. 33w Co. Haskell State Ks

Interval Tested 5168-5330 Zone Tested Chester Sand
 Anchor Length 164' Drill Pipe Run 5171.0 Mud Wt. 9.2
 Top Packer Depth 5163 Drill Collars Run 2 Vis 54
 Bottom Packer Depth 5168 Wt. Pipe Run 5 WL 7.2
 Total Depth 5330 Chlorides 5400 ppm System LCM 4#

Blow Description IF-BOB in 15 min
ZSE-NO blow back
FF-BOB in 25 min
FSE-NO blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>1198</u>	<u>MCW</u>			<u>80</u>	<u>20</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1198 BHT 123.4 Gravity API RW .9 @ 58 ° F Chlorides 10000 ppm

(A) Initial Hydrostatic <u>2565.16</u>	<input checked="" type="checkbox"/> Test <u>1325.00</u>	T-On Location <u>11:00 AM</u>
(B) First Initial Flow <u>48.08</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>1:00 pm</u>
(C) First Final Flow <u>197.23</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>4:00 pm</u>
(D) Initial Shut-In <u>1330.73</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>7:00 pm</u>
(E) Second Initial Flow <u>170.96</u>	<input type="checkbox"/> Hourly Standby <u>2.5 hrs</u>	T-Out <u>9:45 pm</u>
(F) Second Final Flow <u>299.85</u>	<input checked="" type="checkbox"/> Mileage <u>120 mi - 168.00</u>	Comments <u>Geo forgot to tell</u>
(G) Final Shut-In <u>1323.53</u>	<input type="checkbox"/> Sampler	<u>tester to pick up tools</u>
(H) Final Hydrostatic <u>2424.15</u>	<input type="checkbox"/> Straddle	<u>left note in Geo Shack @</u>

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Ruined Packer
 Extra Copies
 Ruined Shale Packer to see if test log again.
 Ruined Packer
 Extra Copies

Sub Total 2668

RECEIVED
 Total 2668 MAY 02 2012
 MP/DST Disc't
 KCC WICHITA

Approved By [Signature] Our Representative [Signature]

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