



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1172189
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

Spot Description: _____

_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-
Sec. _____ Twp. _____ S. R. _____ East West

_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-
Feet from North / South Line of Section

_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-
Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1172189

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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

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

Petroleum Geologist
212 Main Street
P.O. Box 215
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

American Warrior Inc.
Eberhardt #3-24
SW-SE-NW-NW (1254' FNL & 985' FWL)
Section 24-19s-11w
Barton County, KS
Page 1

5 1/2" Production Casing Set

Contractor: Duke Drilling Company (Rig #8)
Commenced: November 9, 2013
Completed: November 14, 2013
Elevation: 1782' K.B; 1780' D.F; 1774' G.L.
Casing program: Surface; 8 5/8" @ 310'
Production 5 1/2" @ 3449'
Sample: Samples saved and examined 2800' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2800 ft to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There was one (1) Drill Stem Test ran by Trilobite Testing Co.
Electric Log: By Pioneer Energy Services; Dual Induction, Dual Compensated Porosity and Microresistivity Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	507	+1275
Base Anhydrite	531	+1251
Heebner	2895	-1113
Toronto	2911	-1129
Douglas	2927	-1145
Brown Lime	3014	-1232
Lansing	3034	-1252
Base Kansas City	3293	-1511
Arbuckle	3324	-1572
Rotary Total Depth	3450	-1668
Log Total Depth	3452	-1670

(All tops and zones corrected to Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

2844-2855' Limestone; white, gray, finely crystalline, sub oomoldic, chalky, brown and black stain, trace of free oil and no odor in fresh samples.

TORONTO SECTION

2916-2926' Limestone; white and gray, finely crystalline, fossiliferous, poorly developed porosity, trace black stain, no show of free oil and no odor.

LANSING SECTION

3038-3045' Limestone; white, gray, fossiliferous, chalky, poor visible porosity, trace poor stain, no free oil and no odor in fresh samples.

3054-3064' Limestone; white and gray, oolitic, oomoldic, fair to good oomoldic porosity, brown and black stain (dead), trace of free oil (dead) and fair odor.

3081-3088' Limestone; gray, white, fossiliferous, oolitic, trace brown and gray stain.

3105-3112' Limestone; white, gray, oolitic, few sub oomoldic, chalky, trace brown and black stain, weak show of free oil and no odor.

3121-3142' Limestone; tan, gray, oomoldic, fair oomoldic porosity, trace light brown stain, no show of free oil and no odor in fresh samples.

3176-3180' Limestone; gray, oomoldic, chalky, poor stain, weak show of free oil and questionable odor in fresh samples.

3191-3200' Limestone; gray, tan oolitic, few sub oomoldic, chalky, trace black and brown stain, show of free oil and faint odor in fresh samples.

3210-3220' Limestone; gray, tan, oomoldic, fair oomoldic porosity, poor stain, no free oil and no odor.

3240-3250' Limestone; gray, finely crystalline, few fossiliferous, dense.

3277-3280' Limestone; gray, sub oomoldic, chalky, brown spotty stain, trace of free oil and no odor.

ARBUCKLE SECTION

3324-3332' Dolomite; cream, tan, fine and medium crystalline, fair intercrystalline porosity, golden brown stain, show of free oil and good odor in fresh samples.

Drill Stem Test #1 3288-3332'

Times: 30-45-30-45

Blow: Strong

Recovery: 600' gas in pipe
190' slightly oil cut mud
(5% oil, 95% mud)
220' clean gassy oil

Pressures: ISIP 863 psi
FSIP 853 psi

IFP 39-111 psi
FFP 120-174 psi
HSH 1683-1625 psi

3332-3350' Dolomite; tan, fine and medium crystalline, fair intercrystalline porosity, brown stain, show of free oil and faint/fair odor in fresh samples.

3361-3380' Dolomite; cream, white, fine and medium crystalline, sucrosic in part, good stain and saturation, show of free oil and fair odor in fresh samples.

3384-3406' Dolomite; as above, fair to good intercrystalline and vuggy type porosity, few sandy, no shows.

3406-3420' Dolomite; as above, plus white chert.

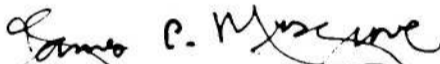
3420-3450' Dolomite; white, cream, scattered vuggy porosity, no shows.

Rotary Total Depth 3450
Log Total Depth 3452

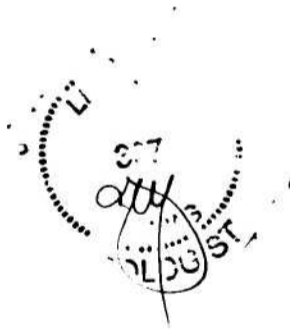
Recommendations:

5 1/2" production casing was set and cemented on the Eberhardt #3-24.

Respectfully submitted;



James C. Musgrove,
Petroleum Geologist



ALLIED OIL & GAS SERVICES, LLC 061866

Federal Tax I.D. # 20-8651476

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Great Bend

DATE <u>11-10-13</u>	SEC <u>24</u>	TWR <u>19</u>	RANGE <u>11N</u>	CALLED OUT <u>8 PM</u>	ON LOCATION <u>11 PM</u>	JOB START <u>12:30 AM</u>	JOB FINISH <u>1 AM</u>
LEASE <u>OSERNOT</u>	WELL # <u>3-24</u>		LOCATION <u>Ellin Wood E To ISO RD</u>		COUNTY <u>BARTON</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>2 1/2 N E INTO</u>				

CONTRACTOR Duke 8
 TYPE OF JOB SURFACE
 HOLE SIZE 12 1/4 T.D. 310
 CASING SIZE 8 1/2 24# DEPTH 310
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15 FT
 PERFS. _____
 DISPLACEMENT H2O 18.79
 EQUIPMENT _____
 PUMP TRUCK CEMENTER Charles Kinyon
 # 597 HELPER Andy Fimple
 BULK TRUCK _____
 # 599 DRIVER Kevin Weigloose
 BULK TRUCK _____
 # _____ DRIVER _____

OWNER AMERICAN WARRIOR
 CEMENT
 AMOUNT ORDERED 200 SKS CLASS A
3 1/2 CC 2 1/2 gel
 COMMON 200 @ 17.90 3,580.00
 POZMX _____ @ _____
 GEL 4 @ 23.40 93.60
 CHLORIDE 564 @ 80 451.20
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING 216.66 @ 8.48 1,837.37
 MILEAGE 9.84 X 15 X 2.60 255.30
 TOTAL 5,047.30

REMARKS:
Ran 310' csg Break circulation
W/ Rig Mud Hook to Head mix
200 SKS CLASS A 3 1/2 CC 2 1/2 gel
got shot down Release Plug
Displace 18.79 Bbl of H2O
cement did circulate
shot in

SERVICE
 DEPTH OF JOB 310
 PUMP TRUCK CHARGE 1512.25
 EXTRA FOOTAGE @ _____
 MILEAGE Hum 15 @ 7.70 115.50
 MANIFOLD @ _____
Hum 15 @ 4.40 66.00
 @ _____

CHARGE TO: AMERICAN WARRIOR
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 1,693.75

THANK YOU!

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.

PLUG & FLOAT EQUIPMENT
RUBBER Plug @ 131.04 131.04
 @ _____
 @ _____
 @ _____
 @ _____
 TOTAL 131.04

PRINTED NAME X STEVE H STEPHENS
 SIGNATURE X Steve H Stephens

SALES TAX (if Any) _____
 TOTAL CHARGES 6,872.28
1,374.75
 DISCOUNT _____ IF PAID IN 30 DAYS
5,497.53



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

TICKET 25790

PAGE 1 OF 2

SERVICE LOCATIONS: 1. NESS CITY, KS. WELL/PROJECT NO. LEASE: EBERHARDT 3-24 COUNTY/PARISH: BARTON STATE: KS. CITY: CHASE, KS. DATE: 15 NOV 13 OWNER:
 2. TICKET TYPE: SERVICE SALES CONTRACTOR: DUKE DRILLING RIG # 8 RIG NAME/NO. SHIPPED VIA DELIVERED TO ORDER NO.
 3. WELL TYPE: OIL WELL CATEGORY: DEVELOPMENT JOB PURPOSE: S¹/₂ LONG STRING WELL PERMIT NO. WELL LOCATION: 8W 2³/₄ N E N INTO
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
575					MILEAGE ^B 115	80	MIL	6	¹⁰⁰	480 ⁰⁰
578					PUMP CHARGE	1	JOB	1500	⁰⁰	1500 ⁰⁰
402					CENTRALIZERS	8	EA.	70	⁰⁰	560 ⁰⁰
403					CEMENT BASKET	1	EA.	300	⁰⁰	300 ⁰⁰
406					LATCH DOWN PLUG & BAFFLE	1	EA.	275	⁰⁰	275 ⁰⁰
407					INSERT FLOAT SHOE AUTO FILL	1	EA.	375	⁰⁰	375 ⁰⁰
419					ROTATING HEAD RENTAL	1	JOB	200	⁰⁰	200 ⁰⁰
281					MUD FLUSH	500	992	1	²⁵	625 ⁰⁰
221					LIQUID KCL	2	992	25	⁰⁰	50 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 *[Signature]*
 DATE SIGNED: 15 NOV 13 TIME SIGNED: 1215 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	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				1	4365 ⁰⁰
WE UNDERSTOOD AND MET YOUR NEEDS?				2	5289 ⁵⁰
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	9654 ⁵⁰
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Barton TAX 7.15%	471 ²⁹
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	10,125 ⁷⁹
<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: *[Signature]* APPROVAL: _____
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 15 NOV 13 PAGE NO.

CUSTOMER AMERICAN WARRIOR WELL NO. LEASE EBERHARDT 3-24 JOB TYPE 5 1/2 LONG STRING TICKET NO. 25790

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0700							ON LOCATION
								START PIPE 5 1/2 - 14 #
								RTD @ 3450 SET @
								SS. 19.63
								CENTRALIZERS 1 2 3 4 6 8 10 12
								BASKET #5
	0952				✓			DROP BALL - CIRCULATE
		6	12		✓		300	Pump 500 gal MUD FLUSH
	1050	6	20		✓		300	Pump 20 BBL KCL FLUSH
	1100		7.5					PLUG RH - 30sx - MH - 20sx
	1100	4	30		✓			MIX 125sx FA-2
	1119							WASH OUT Pump & LINES
	1122	6			✓			START DISPLACING PLUG
	1131	0	84		✓		1500	PLUG DOWN LATCH PLUG IN
	1133				✓			RELEASE PSI - DRY
	1135							WASH TRUCK
	1215							JOB COMPLETE
								THANKS #115
								JASON DAVE JOHN



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

TICKET CONTINUATION

TICKET No. 25790

CUSTOMER AMERICAN WARRIOR WEL EBERHARDT 3-24 DATE 15 Nov 13 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
276						FLOCELE	50	lbs			2.50	125.00
283						SALT	900	lbs			.20	180.00
284						CALSEAL	8	sq			35.00	280.00
292						HALAD 322	125	lbs			8.00	1000.00
290						D-AIR	2	gal			42.00	84.00
325						STANDARD CEMENT EA-2	175	sq			14.50	2537.50
581						SERVICE CHARGE						
583						MILEAGE CHARGE						
						TOTAL WEIGHT	78325					
						LOADED MILES	80					
						CUBIC FEET	175	sq			2.00	350.00
						TON MILES	733.00				1.00	733.00
CONTINUATION TOTAL											5289.50	



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc.
3118 Cummings Rd.
PO Box 399
Garden City, KS 67846
ATTN: Jim Musgrove

24-19s-11w Barton, KS

Eberhardt #3-24

Job Ticket: 55774

DST#: 1

Test Start: 2013.11.14 @ 02:20:05

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:32:05

Time Test Ended: 11:20:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan L

Unit No: 54

Interval: 3288.00 ft (KB) To 3332.00 ft (KB) (TVD)

Reference Elevations: 1782.00 ft (KB)

Total Depth: 3332.00 ft (KB) (TVD)

1774.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8789

Inside

Press@RunDepth: 173.66 psig @ 3295.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.14

End Date:

2013.11.14

Last Calib.: 2013.11.14

Start Time: 02:20:07

End Time:

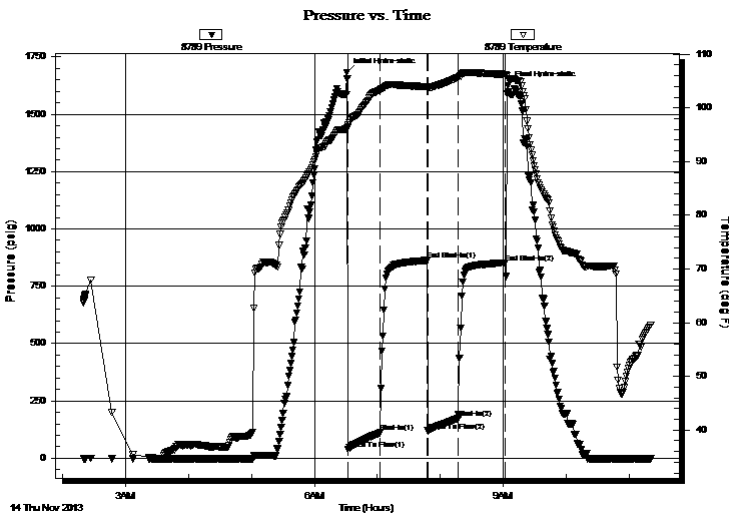
11:20:20

Time On Btm: 2013.11.14 @ 06:30:50

Time Off Btm: 2013.11.14 @ 09:04:20

TEST COMMENT: 30- IF- BOB 4mins
45- IS- Maintained 1" blow throughout
30- FF- BOB 6mins
45- FSI- Maintained 1/4" blow throughout

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1682.56	96.12	Initial Hydro-static
2	39.48	96.43	Open To Flow (1)
32	111.40	103.37	Shut-In(1)
77	862.98	103.98	End Shut-In(1)
77	119.82	103.69	Open To Flow (2)
107	173.66	105.68	Shut-In(2)
151	852.90	106.26	End Shut-In(2)
154	1624.77	105.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	OCM, 95%M	2.60
220.00	GO, 70%O	3.01
0.00	600' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

24-19s-11w Barton, KS

3118 Cummings Rd.
PO Box 399
Garden City, KS 67846
ATTN: Jim Musgrove

Eberhardt #3-24

Job Ticket: 55774

DST#: 1

Test Start: 2013.11.14 @ 02:20:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 7.20 in³

Resistivity: ohm.m

Salinity: 5200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

41 deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	OCM, 95%M	2.596
220.00	GO, 70%O	3.005
0.00	600' GIP	0.000

Total Length: 410.00 ft Total Volume: 5.601 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

