



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1235331
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: _____

1235331

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Hoelscher Unit 1-11
Doc ID	1235331

All Electric Logs Run

Dual IND
Dual Comp. Porosity
Micro
Sonic

ALLIED OIL & GAS SERVICES, LLC 063688

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Great Bend

DATE <u>10-23-14</u>	SEC. <u>11</u>	TWP. <u>18S</u>	RANGE <u>10W</u>	CALLED OUT	ON LOCATION <u>1130 AM</u>	JOB START <u>100 AM</u>	JOB FINISH <u>200 AM</u>
LEASE <u>HARTSHEE</u>		WELL# <u>1</u>		LOCATION <u>Bushlan 1 west T05th</u>		COUNTY <u>Rice</u>	STATE <u>KG</u>
OLD OR NEW (Circle one)				RD <u>1 1/4 South East in RD</u>			

CONTRACTOR Duke G

TYPE OF JOB Surface

HOLE SIZE _____ T.D. 430

CASING SIZE 8 5/8 DEPTH 430

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15

PERFS. _____

DISPLACEMENT 25 BBHs freshwater

OWNER _____

CEMENT AMOUNT ORDERED 275SX Class A
+ 3% gel + 2% gel

EQUIPMENT

PUMP TRUCK CEMENTER Wayne Davis

398 HELPER Josh Isaac

BULK TRUCK # 112 DRIVER Charles Kinyon

BULK TRUCK # _____ DRIVER _____

COMMON <u>275</u>	@ <u>17.90</u>	<u>4,922.50</u>
POZMIX _____	@ _____	_____
GEL <u>517</u>	@ <u>.50</u>	<u>258.50</u>
CHLORIDE <u>775</u>	@ <u>1.10</u>	<u>852.50</u>
ASC _____	@ _____	_____
<u>Materials total</u>		<u>6,033.50</u>
<u>Disc 20%</u>		<u>1,206.70</u>
<u>Service</u>		_____
<u>Handling</u>		_____
HANDLING <u>297.38</u>	@ <u>2.48</u>	<u>737.50</u>
MILEAGE <u>13.57 x 25</u>	@ <u>2.75</u>	<u>932.50</u>

REMARKS:

Pipe on Bottom

Break circulation with Ris

Med Raw 5 BBHs water Ahead

Mix 275SX Class A + 3% gel + 2% gel

Release Plug

Displace BBHs freshwater

Cement did circulate

Shut in

DEPTH OF JOB _____

PUMP TRUCK CHARGE 1512.35

EXTRA FOOTAGE @ _____

MILEAGE Hum 25 @ 7.70 192.50

MANIFOLD Hum 25 @ 4.40 110.00

CHARGE TO: American warrior

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 3,485.15
Disc 20% 697.04

PLUG & FLOAT EQUIPMENT

Rubber Plug @ 131.00 131.00

_____ @ _____ _____

_____ @ _____ _____

_____ @ _____ _____

TOTAL 131.00
Disc 20% 26.20

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.

PRINTED NAME STEVE H STEPHENS

SIGNATURE [Signature]

SALES TAX (If Any) _____

TOTAL CHARGES 9,649.69

DISCOUNT 70% 1,929.84 (20/20/20)

IF PAID IN 30 DAYS

7,719.75



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

TICKET 27894

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City KS</u>	WELL/PROJECT NO. <u>1-11</u>	LEASE <u>Hoelscher unit</u>	COUNTY/PARISH <u>Rice</u>	STATE <u>KS</u>	CITY <u>Bushton</u>	DATE <u>29 OCT 14</u>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>DUKE</u>	RIG NAME/NO. <u>8</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>11-18-10</u>			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE	TRK 114	80	mi		6.00	480.00	
578		1			Pump Charge		1	ea		1500.00	1500.00	
402		1			Centralizer		5 1/2	in	9	ea	70.00	630.00
403		1			Cement Basket		5 1/2	in	1	ea	300.00	300.00
406		1			Latch down plug & baffle		5 1/2	in	1	ea	275.00	275.00
407		1			Insert Float shoe w/AUTO FILL		5 1/2	in	1	ea	375.00	375.00

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 _____ 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	3560.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				2	5964.50
WE UNDERSTOOD AND MET YOUR NEEDS?				subtotal	9524.50
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Rice TAX 7.15%	462.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	9986.50
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 [Signature] APPROVAL _____

Thank You!

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

TICKET CONTINUATION

TICKET No. 27894

DATE 29 OCT 14 PAGE 2 OF 2

CUSTOMER American Carrier
WELL Holscher unit 1-11

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT								
285		1			STANDARD cement (forea-2)	175 sk				14.50	2537.50
284		1			cal seal	800 sk				35.00	28000.00
283		1			SALT	900 lb				0.20	180.00
292		1			halad-322	125 lb				8.00	1000.00
276		1			Flocor	50.00				2.50	125.00
281		1			MUDFLUSH	500 (b)				1.25	625.00
221		1			KCL Liquid	2 gal				25.00	50.00
290		1			D-air	2 gal				42.00	84.00
581		1			SERVICE CHARGE					2.00	350.00
583		1			MILEAGE CHARGE					1.00	733.00
						CUBIC FEET					
						TON MILES		733			
						LOADED MILES	175				
						TOTAL WEIGHT	18325				

CONTINUATION TOTAL 5964.50

JOB LOG

SWIFT Services, Inc.

DATE 29 Oct 14 PAGE NO. 1

CUSTOMER Warrior WELL NO. 1-11 LEASE Hoelscher unit JOB TYPE Cement long string TICKET NO. 27894

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk EA-2 cement w/ 7# floccle, 5 1/2" x 14" casing 86 joints 3400' TD = 3400 Conduits 1, 2, 4, 5, 6, 8, 10, 12, 14 Basket #3
	0415							on loc TRK 114
	0420							start 5 1/2" x 14" in well
	0600 0530		12					Drop ball - circulate
	0600	4 1/2	12 20			200		Pump 500 gal mud flush
		4 1/2	20			200		Pump 20 bbl KCL flush
			7					Plug RH - MH 30 sk - 20 sk
	0635	4 1/2	35			200		MIX EA-2 cement 125 sk @ 15.3 ppg
								Drop latch dump plug wash out pump & line
	0650	6				200		Displace plug
		6	76			600		
	0700	6	82			1500		Land plug
	0705							Release pressure to truck dialup wash truck
								Rack up
	0745							job complete
								Trucks Flint, Blaine & Craig

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DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Wyatt Urban

Hoelscher Unit #1-11

11-18s-10w Rice,KS

Start Date: 2014.10.28 @ 22:11:00

End Date: 2014.10.29 @ 04:57:30

Job Ticket #: 60390 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.30 @ 13:54:04



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Wyatt Urban

11-18s-10w Rice, KS
Hoelscher Unit #1-11
 Job Ticket: 60390 **DST#: 1**
 Test Start: 2014.10.28 @ 22:11:00

GENERAL INFORMATION:

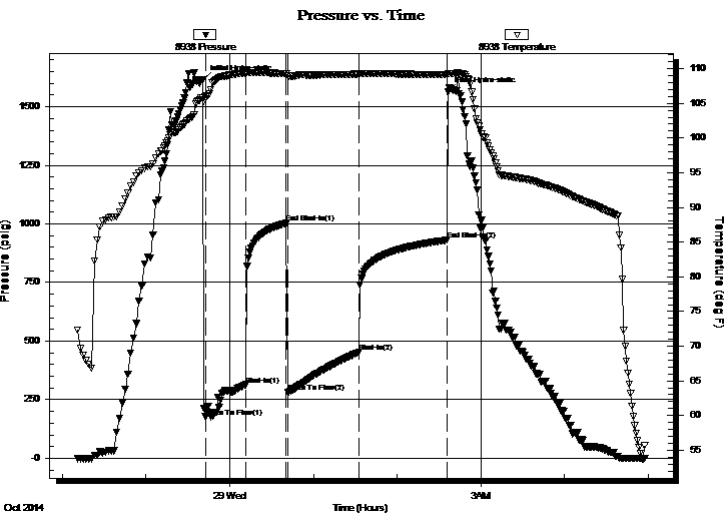
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:42:30
 Time Test Ended: 04:57:30
 Interval: **3194.00 ft (KB) To 3280.00 ft (KB) (TVD)**
 Total Depth: 3280.00 ft (KB) (TVD)
 Hole Diameter: inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: S4
 Reference Elevations: 1780.00 ft (KB)
 1772.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8938

Outside

Press@RunDepth: 453.03 psig @ 3277.27 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.28 End Date: 2014.10.29 Last Calib.: 2014.10.28
 Start Time: 22:11:00 End Time: 04:57:30 Time On Btm: 2014.10.28 @ 23:41:00
 Time Off Btm: 2014.10.29 @ 02:36:30

TEST COMMENT: 1st Opening 30 Minutes Fair blow bob in 9 minutes
 2nd Opening 45 minutes Fair blow 606 in 6 minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1616.99	105.86	Initial Hydro-static
2	177.41	105.88	Open To Flow (1)
31	314.11	109.30	Shut-In(1)
60	1002.93	109.26	End Shut-In(1)
61	280.75	109.01	Open To Flow (2)
112	453.03	109.21	Shut-In(2)
175	930.96	109.09	End Shut-In(2)
176	1562.53	109.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00	GCO 10% Gas 90% Oil	8.42
135.00	GMCO 3% Gas 63% Oil 34% Mud	1.89
125.00	HMCO 56% Oil 44% Mud	1.75
125.00	SGHOCM 2% Gas 38% Oil 60% Mud	1.75
125.00	SGOCM 2% Gas 38% Oil 60% Mud	1.75
125.00	VHOCM 2% Gas 53% Mud 45% Oil	1.75

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc.
PO Box 399
Garden City, KS 67846
ATTN: Wyatt Urban

11-18s-10w Rice, KS
Hoelscher Unit #1-11
Job Ticket: 60390 **DST#: 1**
Test Start: 2014.10.28 @ 22:11:00

GENERAL INFORMATION:

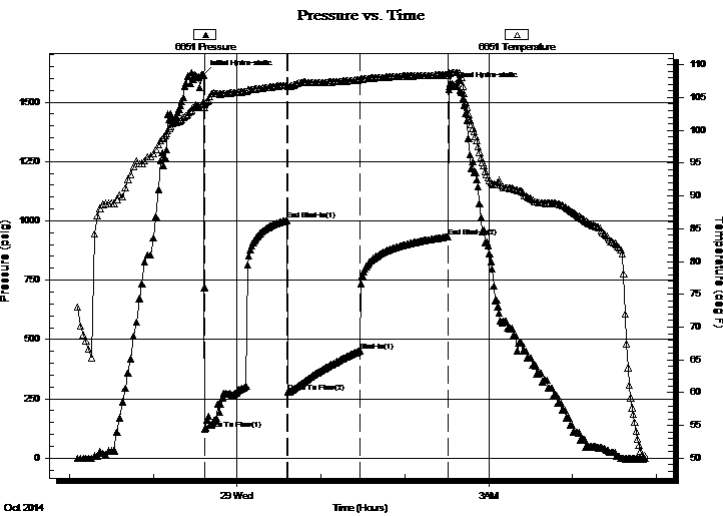
Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:42:30
Time Test Ended: 04:57:30
Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: S4
Interval: **3194.00 ft (KB) To 3280.00 ft (KB) (TVD)**
Reference Elevations: 1780.00 ft (KB)
Total Depth: 3280.00 ft (KB) (TVD) 1772.00 ft (CF)
Hole Diameter: inches Hole Condition: Poor KB to GR/CF: 8.00 ft

Serial #: 6651

Inside

Press@RunDepth: 933.06 psig @ 3276.27 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.10.28 End Date: 2014.10.29 Last Calib.: 2014.10.28
Start Time: 22:06:00 End Time: 04:52:00 Time On Btm: 2014.10.28 @ 23:36:00
Time Off Btm: 2014.10.29 @ 02:32:00

TEST COMMENT: 1st Opening 30 Minutes Fair blow bob in 9 minutes
2nd Opening 45 minutes Fair blow 606 in 6 minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1615.00	104.14	Initial Hydro-static
1	122.42	104.01	Open To Flow (1)
60	1002.61	106.87	End Shut-In(1)
61	277.78	106.66	Open To Flow (2)
112	452.91	107.68	Shut-In(1)
175	933.06	108.44	End Shut-In(2)
176	1565.75	108.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00	GCO 10% Gas 90% Oil	8.42
135.00	GMCO 3% Gas 63% Oil 34% Mud	1.89
125.00	HMCO 56% Oil 44% Mud	1.75
125.00	SGHOCM 2% Gas 38% Oil 60% Mud	1.75
125.00	SGOCM 2% Gas 38% Oil 60% Mud	1.75
125.00	VHOCM 2% Gas 53% Mud 45% Oil	1.75

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

11-18s-10w Rice,KS

PO Box 399
Garden City, KS 67846

Hoelscher Unit #1-11

Job Ticket: 60390

DST#: 1

ATTN: Wyatt Urban

Test Start: 2014.10.28 @ 22:11:00

Tool Information

Drill Pipe:	Length: 3192.00 ft	Diameter: 3.80 inches	Volume: 44.78 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 86000.00 lb
			<u>Total Volume: 44.78 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3194.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.27 ft			
Tool Length:	114.27 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3171.00	
Hydraulic Tool	5.00			3176.00	
Jars	6.00			3182.00	
Safety Joint	2.00			3184.00	
Top Packer	5.00			3189.00	
Packer	5.00			3194.00	28.00 Bottom Of Top Packer
Anchor	10.00			3204.00	
Change Over Sub	0.75			3204.75	
Drill Pipe	63.77			3268.52	
Change Over Sub	0.75			3269.27	
Anchor	6.00			3275.27	
Recorder	1.00	6651	Inside	3276.27	
Recorder	1.00	8938	Outside	3277.27	
Bull Plug	3.00			3280.27	86.27 Anchor Tool

Total Tool Length: 114.27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

11-18s-10w Rice,KS

PO Box 399
Garden City, KS 67846

Hoelscher Unit #1-11

Job Ticket: 60390

DST#: 1

ATTN: Wyatt Urban

Test Start: 2014.10.28 @ 22:11:00

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:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
600.00	GCO 10% Gas 90%Oil	8.416
135.00	GMCO 3% Gas 63%Oil 34%Mud	1.894
125.00	HMCO 56%Oil 44%Mud	1.753
125.00	SGHOCM 2%Gas38%Oil 60%Mud	1.753
125.00	SGOCM 2%Gas 38%Oil 60%Mud	1.753
125.00	VHOCM 2%Gas 53%Mud45%Oil	1.753

Total Length: 1235.00 ft

Total Volume: 17.322 bbl

Num Fluid Samples: 0

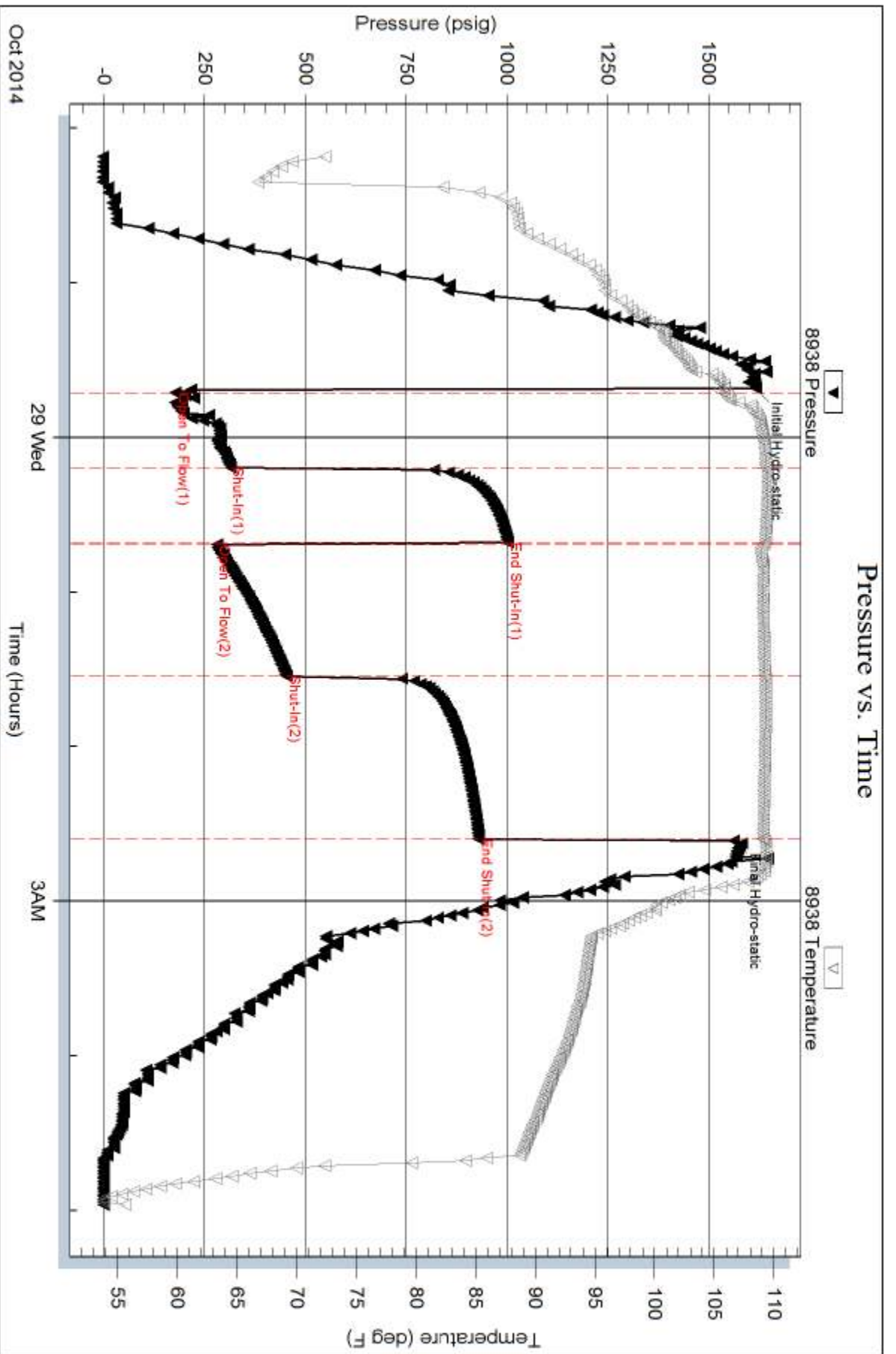
Num Gas Bombs: 0

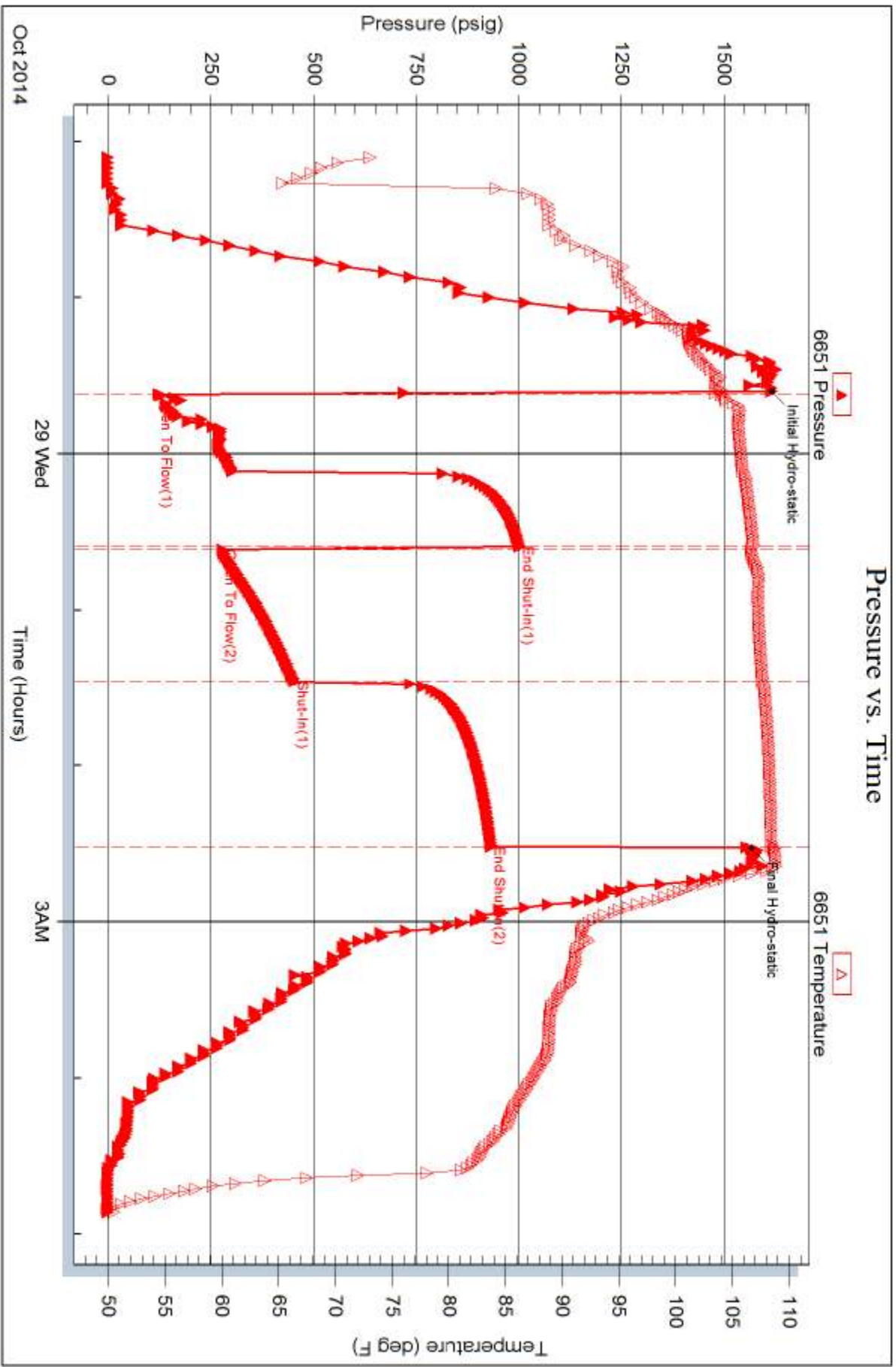
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60390

Well Name & No. Horsched Unit #1-11 Test No. 1 Date 10-27-2014
 Company AMERICAN WARRIOR INC Elevation 1780 KB 1772 GL
 Address 3118 Cummings Road Road P.O. Box 398 - Garden City Kansas 67846
 Co. Rep / Geo. WYATT URBAN Rig Duke Drilling #8
 Location: Sec. 11 Twp. 18W Rge. 10 Co. RICE State KANSAS

Interva Tested 3194-3280 Zone Tested ARBUCKLE
 Anchor Length 86 Drill Pipe Run 3167 Mud Wt. 9.3
 Top Packer Depth 3189 Drill Collars Run NONE Vis 52
 Bottom Packer Depth 3194 Wt. Pipe Run NONE WL 8.8
 Total Depth 3260 Chlorides 3400 ppm System LCM 0
 Blow Description 1st OPEN Fair blow bob in 9 minutes
2nd OPEN Fair blow bob in 6 minutes

Gravity 41 corrected

Rec	Feet of	10% gas	% oil	% water	% mud
600	CLEAN OIL	10	90	0	0
138	VHOCM	3	63	34	34
125	VHOCM	0	56	44	44
125	VHOCM	2	38	60	60
125	VHOCM	2	53	48	40

Rec Total 1110 BHT 108 Gravity 41 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1615
 (B) First Initial Flow 122
 (C) First Final Flow 302
 (D) Initial Shut-In 1002
 (E) Second Initial Flow 277
 (F) Second Final Flow 452
 (G) Final Shut-In 933
 (H) Final Hydrostatic _____

Test 1150
 Jars 250
 Safety Joint 75
 Circ Sub _____
 Hourly Standby _____
 Mileage 60 93
 Sampler _____
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1568

T-On Location 9:45 P.M.
 T-Started 10:05 P.M.
 T-Open 11:40 P.M.
 T-Pulled 2:25 A.M.
 T-Out 4:58

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1568
 MP/DST Disc't _____

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

Our Representative Dave Budy
 for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

JAMES C. MUSGROVE

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

Office (620) 588-4250

Res. Claflin (620) 587-3444

American Warrior Inc.
Hoelscher Unit #1-11
NW-NW-SW-NW (1441' FNL & 124' FWL)
Section 11-18s-10w
Rice County, Kansas

Page 1

5 1/2" Production Casing Set

Contractor: Duke Drilling Co. (rig #8)
Commenced: October 23, 2014
Completed: October 28, 2014
Elevation: 1780' K.B., 1778' D.F., 1772' G.L.
Casing program: Surface; 8 5/8" @ 430'
Production, 5 1/2" @ 3399'
Sample: Samples saved and examined 2600' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2600 ft. to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were one (1) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Pioneer; Dual Induction, Dual Compensated Porosity, Micro and Sonic Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Heebner	2796	-1016
Toronto	2814	-1034
Douglas	2826	-1046
Brown Lime	2914	-1134
Lansing	2932	-1152
Base Kansas City	3204	-1424
Conglomerate	3244	-1464
Arbuckle	3257	-1477
Rotary Total Depth	3400	-1620
Log Total Depth	3395	-1615

(All tops and zones corrected to Electric Log Measurement)

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

TOPEKA/TORONTO SECTIONS

2500-2826' No shows of oil and/or gas was noted in the drilling of the Topeka and Toronto sections (see attached Sample/Geologist report).

LANSING SECTION

2931-2945' Limestone, tan, finely crystalline, oolitic, poor visible, dense, no shows.

2956-2966' Limestone, tan, finely crystalline, fossiliferous, poor scattered porosity, chalky, no shows.

2981-2996' Limestone, cream, white, finely crystalline, poorly developed porosity, chalky, no shows.

3026-3036' Limestone, tan, oomoldic, good vuggy type to oomoldic porosity, chalky in part, trace stain, show of free oil and no odor in fresh samples.

3038-3048' Limestone, as above.

3081-3090' Limestone, tan, cream, fine and medium crystalline, chalky, poor visible porosity, no shows.

3098-3108' Limestone, cream, tan, finely crystalline, few fossiliferous, chalky in part; no shows.

3126-3132' Limestone, tan, buff, finely crystalline, few oolitic, poorly developed porosity, no shows.

3147-3153' Limestone, tan, white, sub-oomoldic, scattered vuggy type porosity, no shows.

3191-3200' Limestone, cream, white, finely crystalline, few cherty, poor porosity, no shows.

ARBUCKLE SECTION

3257-3263' Dolomite, white, tan, finely crystalline, poor porosity, no shows.

3263-3275' Dolomite, tan, white, finely crystalline, few sucrosic, poor to fair porosity, light brown stain, show of free oil and faint odor in fresh samples.

Drill Stem Test #1

3194-3280

Times: 30-30-45-45

Blow: Strong

**Recovery: 600' clean oil
135' muddy gassy oil
(3% gas; 63% oil; 34% mud)
125' muddy oil
(56% oil; 44% mud)
125' very heavily oil and gas cut mud
(3% gas; 37% oil; 60% mud)
125' very heavily oil and gas cut mud
(3% gas; 38% oil; 59% mud)**

**Pressures: ISIP 1002 psi
FSIP 933 psi
IFP 122-302 psi
FFP 277-452 psi
HSH 1615-1562 psi**

- 3275-3290' Dolomite, white, cream, finely crystalline, poor to fair inter-crystalline porosity, light brown stain, show of free oil and faint odor.
- 3290-3310' Dolomite, tan, cream, sucrosic, fine and medium crystalline, poor to fair scattered porosity, no show.
- 3310-3330' Dolomite, tan, brown, sucrosic, fine to medium crystalline, fair inter-crystalline porosity, no shows.
- 3330-3350' Dolomite, brown, sucrosic, finely crystalline, poor visible porosity, no shows.
- 3350-3380' Dolomite, cream, tan, finely crystalline, slightly cherty, no shows.
- 3380-3395' Dolomite, as above, plus chert, shite, cream opaque, no shows.

**Rotary Total Depth: 3400
Log Total Depth: 3395**

Recommendations:

5 1/2 production casing was set and cemented on the American Warrior Inc., Hoelscher Unit #1-11.

Respectfully Submitted,

Wyatt Urban and James C. Musgrove
Wyatt Urban and James C. Musgrove
Petroleum Geologists

