



KANSAS CORPORATION COMMISSION 1053640
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 Corsair
Phone: (785) 398-2270
CONTRACTOR: License # 33323
Name: Petromark Drilling, LLC
Wellsite Geologist: Jason Alm
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
☐ Conv. to GSW

- ☐ Plug Back: Plug Back Total Depth
☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

07/27/2010 08/03/2010 08/03/2010
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-165-21864-00-00

Spot Description:

NW NE SE NE Sec. 18 Twp. 19 S. R. 20 ☐ East ☒ West
1,390 Feet from ☒ North / ☐ South Line of Section
645 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☒ NE ☐ NW ☐ SE ☐ SW

County: Rush

Lease Name: Dotty Well #: 1-18

Field Name:

Producing Formation: NA

Elevation: Ground: 2284 Kelly Bushing: 2290

Total Depth: 4440 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 222 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: 28000 ppm Fluid volume: 200 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: 04/11/2011



1053640

Operator Name: American Warrior, Inc. Lease Name: Dotty Well #: 1-18
 Sec. 18 Twp. 19 S. R. 20 ☐ East ☒ West County: Rush

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 ☒ Yes ☐ No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey ☐ Yes ☒ No Cores Taken ☐ Yes ☒ No Electric Log Run ☐ Yes ☒ No Electric Log Submitted Electronically ☐ Yes ☐ No <i>(If no, Submit Copy)</i> List All E. Logs Run:	☐ Log Formation (Top), Depth and Datum ☒ Sample <table style="width: 100%;"> <tr> <td style="width: 33%;">Name</td> <td style="width: 33%;">Top</td> <td style="width: 33%;">Datum</td> </tr> <tr> <td>Attached</td> <td>Attached</td> <td>Attached</td> </tr> </table>	Name	Top	Datum	Attached	Attached	Attached
Name	Top	Datum					
Attached	Attached	Attached					

CASING RECORD ☒ New ☐ 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	222	Common	150	2% gel, 3% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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

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: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> ☐ Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Dotty 1-18
Doc ID	1053640

Tops

Anhydrite	1531	759
Heebner	3809	-1519
Lansing	3852	-1562
BKC	4170	-1880
Pawnee	4295	-2005
Ft. Scott	4322	-2032
Cherokee	4332	-2042
Mississippian	4435	-2145
TD	4440	-2150

JOB LOG

SWIFT Services, Inc.

CUSTOMER: American-Warrior WELL NO: 1-18 LEASE: Dotty JOB TYPE: Cement Surface Pipe DATE: 7-27-01 PAGE NO: 1
TICKET NO: 9856

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2030							On Location 8 5/8 23# ID 223' TP-222' PS-222'
	2030							Start 8 5/8 Casing
	2115							Break Circulation
	2130	4 1/2	5	✓			200	Pump 5661 Water
		4 1/2		✓			200	Start Cement 150sks 14.7ppg
			36				-	Shut Down
		4 1/2		✓			200	Start Displacement
		4 1/2	8	✓			300	Cement to Surface 25sks to Pit
	2145		13.2				300	Shut Down - Shut in
								Wash Truck
	2200							Job Complete Thank you Britt, Dave, & Brian

ALLIED CEMENTING CO., LLC. 036791

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

MELTING POINT:

G-554 Beul V3

DATE 8-3-10	SEC. 18	TWP. 19S	RANGE 21W	CALLED OUT	ON LOCATION	JOB START 10:00a	JOB FINISH 10:30a
LEASE Roth	WELL# 1-18	LOCATION Alexander 1/4 East				COUNTY K-Wh	STATE US
OLD OR NEW (Circle one)			South T-4 RD 1 west 1/4 S 1/4				

CONTRACTOR <u>Est-mary Rig 1</u>	OWNER <u>American well</u>
TYPE OF JOB <u>Rotary Plus</u>	CEMENT
HOLE SIZE <u>7 7/8</u> T.D. <u>4440</u>	AMOUNT ORDERED <u>2205 x 60/40 498</u>
CASING SIZE DEPTH	<u>Gel 4 # floreal</u>
TUBING SIZE DEPTH	
DRILL PIPE <u>4 1/2</u> DEPTH <u>1560</u>	
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON _____ @ _____
MEAS. LINE SHOE JOINT	POZMIX _____ @ _____
CEMENT LEFT IN CSG.	GEL _____ @ _____
PERFS.	CHLORIDE _____ @ _____
DISPLACEMENT <u>2 3/4</u> <u>BBLS 13 mud</u>	ASC _____ @ _____

EQUIPMENT

PUMP TRUCK	CEMENTER	Wayne-D
# 181	HELPER	Bob-R
BULK TRUCK		
# 344	DRIVER	B. 11
BULK TRUCK		
#	DRIVER	

REMARKS:

1st plug 1560 mix 50 SX Dig 58BL5
H26 138BL5 Rig mud
2nd plug 1630 mix 80 SX Dig 225
2nd plug 1660 mix 50 SX Dig 35
4th plug 1600 mix 20 SX Dig 25
Rgt mix 30 SX

SERVICE

DEPTH OF JOB 1560
PUMP TRUCK CHARGE _____
EXTRA FOOTAGE _____ @ _____
MILEAGE _____ @ _____
MANIFOLD _____ @ _____
_____ @ _____
_____ @ _____

CHARGE TO: American Legion

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL _____

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 James H. G. Smith

SIGNATURE Kenneth C. Kowalski

Hard Rock Consulting, Inc.

Jason Alm Petroleum Geologist

P.O. Box 1260

Hays, KS 67601

API # 15-165-21864-0000

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

OPERATOR American Warrior, Inc.

LEASE Dotty WELL NO. 1-18

FIELD Kaber

LOCATION 1390' ENL E 84S' FEL

SEC. 18 TWP. 19s RGE 20w

COUNTY Rush STATE Kansas

ELEVATION

KB 227'

DF

GL 228'

Measurements Are All

From Bottom of casing

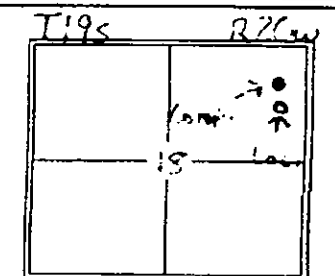
CASING RECORD

SURFACE 227' 8" 1/2

PRODUCTION None

ELECTRICAL SURVEYS

None



CONTRACTOR Petromark Drilling, LLC Rig #1

COMM: 7-27-2010 COMP: 8-3-2010

RTD 4440' LOG TO None

SAMPLES SAVED FROM 3200' TO RTD

DRILLING TIME KEPT FROM 3200' TO RTD

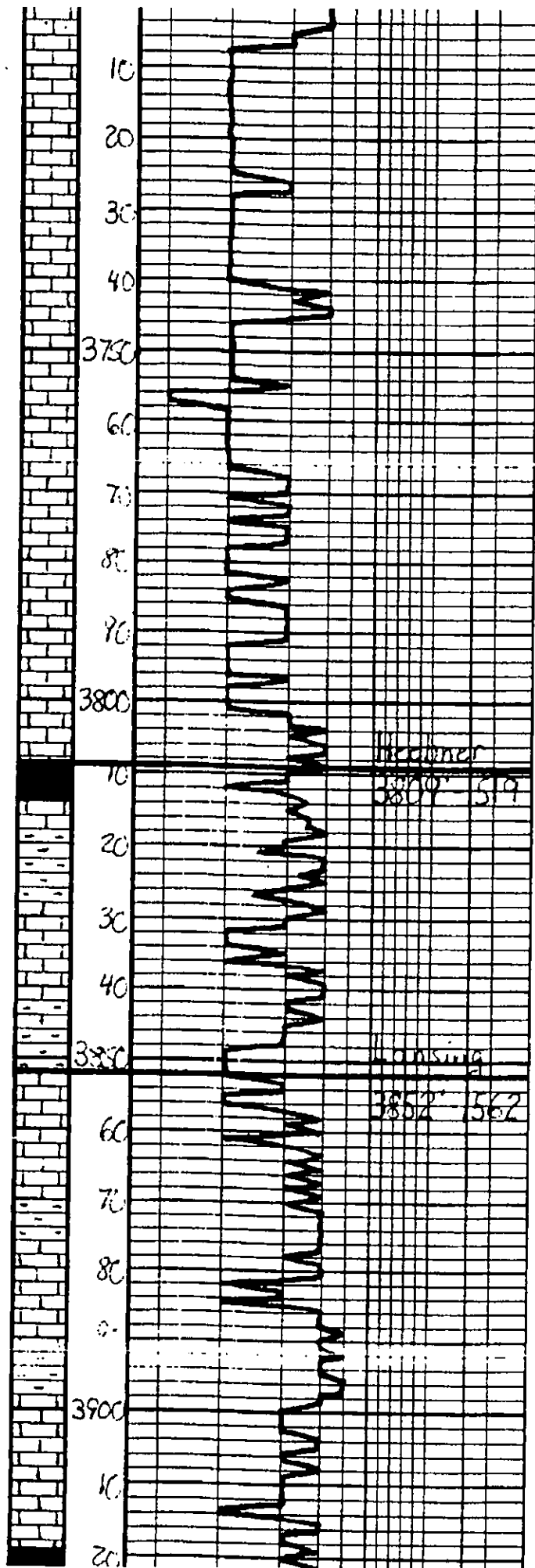
SAMPLES EXAMINED FROM 3200' TO RTD

GEOLOGICAL SUPERVISION FROM 3900' TO RTD

MUD UP 3500' TYPE MUD Chemicals

FORMATION	LOG TOP DATUM	SAMPLE TOP DATUM	STRUCT. COMP.
Anhydrite		1531' - 1539'	-1
Base		1565' - 1725'	-5
Beckner		3809' - 1519'	-4
Casper		3852' - 1562'	-2
Bk		4170' - 1880'	-5
Dwaine		4795' - 2005'	
Fort Scott		4322' - 2032'	-7
Cherokee		4332' - 2042'	-7
Mississippi		4435' - 2145'	-14
Total Depth		4440' - 2150'	

REFERENCE WELL FOR STRUCTURAL COMPARISON Thunderbird Drilling Kaber #1
NE SE NE Sec. 18 T19s R20w



LS: Tan. gray. Mottled. Fossils. Fossil. Mottled.	Geo on location 9:00 p.m. 7-31-200
LS: alk.	
LS: alk.	
LS: Tan. gray. Mottled. Fossils. Fossil. Mottled.	
LS: alk.	
LS: Tan. gray. Mottled. Fossils. Fossil. Mottled.	
Sh: Bk. Carb. Fossil.	
Sh: gray. Bk. Carb.	
LS: Off-white. Tan. Fossil. Fossil. Fossil. Fossil.	
Sh: gray. Bk.	
LS: Tan. gray. Fossil. Fossil. Fossil. Fossil.	
LS: alk. Bk.	
Sh: gray. Bk.	
LS: Off-white. Tan. Fossil. Fossil. Fossil. Fossil.	
Sh: gray. Bk.	
LS: Off-white. Tan. Fossil. Fossil. Fossil. Fossil.	
Sh: gray. Bk.	

Geological Report

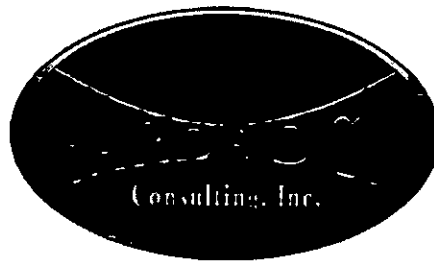
American Warrior, Inc.

Dotty #1-18

1390' FNL & 645' FEL

Sec. 18 T19s R20w

Rush County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Dotty #1-18 1390' FNL & 645' FEL Sec. 18 T19s R20w Rush County, Kansas API # 15-165-21864-0000
Drilling Contractor:	Petromark Drilling, LLc. Rig #1
Geologist:	Jason Alm
Spud Date:	July 27, 2010
Completion Date:	August 3, 2010
Elevation:	2284' Ground Level 2290' Kelly Bushing
Directions:	Alexander KS, 4 mi. South, 1 mi. West, West into location.
Casing:	223' 8 5/8" surface casing
Samples:	10' wet and dry, 3700' to RTD
Drilling Time:	3700' to RTD
Electric Logs:	None
Drillstem Tests:	Two, Trilobite Testing, Inc. "Brett Dickinson"
Problems:	None
Remarks:	None

Formation Tops

	American Warrior, Inc. Dotty #1-18 Sec. 18 T19s R20w 1390' FNL & 645' FEL
Formation	
Anhydrite	1531', +759
Base	1565', +725
Heebner	3809', -1519
Lansing	3852', -1562
BKc	4170', -1880
Pawnee	4295', -2005
Fort Scott	4322', -2032
Cherokee	4332', -2042
Mississippian	4435', -2145
RTD	4440', -2150

Sample Zone Descriptions

- Cherokee "A" Sand (4334', -2044):** Covered in DST #1
 SS – Fine grained, well sorted, well rounded, poorly cemented with fair to good inter-granular porosity, light to good oil stain and saturation in porosity, show of free oil, light odor, dull yellow fluorescents, 26 units hotwire.
- Cherokee "B" Sand (4370', -2080):** Covered in DST #2
 SS – Fine to medium grained, fairly sorted, poorly cemented, fairly rounded with fair to good inter-granular porosity, light to good oil stain and saturation in porosity, show of free oil, very light odor, dull yellow fluorescents, 14 units hotwire.
- Mississippian Osage (4435', -2145):** Not Tested
 Dolo – Δ – Fine sucrosic crystalline with fair vuggy porosity, heavy chert, triptolitic, weathered with good vuggy porosity, barren, no fluorescents.

Drill Stem Tests
Trilobite Testing, Inc.
"Brett Dickinson"

DST #1 **Cherokee Sand**
Interval (4327' - 4350') Anchor Length 23'
IHP - 2227 #
IFP - 10" - B.O.B. 2.5 min. 128-229 #
ISI - 15" - Dead 427 #
FFP - 10" - B.O.B. 2.5 min. 246 #
FHP - 2214 #
BHT - 122°F

Recovery: 60' WCM w/ oil spots
 120' WCM
 500' SMCW

DST #2 **Cherokee Sand**
Interval (4350' - 4382') Anchor Length 32'
IHP - 2244 #
IFP - 10" - B.O.B. 4 min. 69-183 #
ISI - 15" - Dead 433 #
FFP - 10" - B.O.B. 7 min. 167-237 #
FSI - 15" - Dead 431 #
FHP - 2162 #
BHT - 124°F

Recovery: 20' MCW
 480' Water

Structural Comparison

	American Warrior, Inc. Dotty #1-18 Sec. 18 T19s R20w 1390' FNL & 645' FEL	Tomlinson & Kathel Kober #1 Sec. 18 T19s R20w S2 NE NE		Zetco Petroleum Co. Kober #1 Sec. 18 T19s R20w C N2 S2 NE	
Formation					
Anhydrite	1531', +759	1540', +761	(-2)	NA	NA
Base	1565', +725	NA	NA	NA	NA
Heebner	3809', -1519	3822', -1521	(+2)	3776', -1515	(-4)
Lansing	3852', -1562	3865', -1564	(+2)	3820', -1559	(-3)
BKc	4170', -1880	NA	NA	4138', -1877	(-3)
Pawnee	4295', -2005	NA	NA	NA	NA
Fort Scott	4322', -2032	4326', -2025	(-7)	NA	NA
Cherokee	4332', -2042	4337', -2036	(-6)	4298', -2037	(-5)
Mississippian	4435', -2145	NA	NA	NA	NA

Summary

The location for the Dotty #1-18 was found via 3-D seismic survey. The new well ran structurally lower than expected via the survey. Two drill stem tests were conducted both of which recovered only water from the Cherokee Sand. After all gathered data had been examined the decision was made to plug and abandon the Dotty #1-18 well.

Respectfully Submitted,

Jason Alm
Hard Rock Consulting, Inc.

PAGE 1 OF 1

SERVICE LOCATIONS		WELL/PROJECT NO.		LEASE		COUNTY/PARISH		STATE		CITY		DATE		OWNER	
1. Ness City KS		1-18		Dotty		Rush		KS		Ness City		7-10-10			
2.		TICKET TYPE		CONTRACTOR		RIG NAME/NO.		SHIPPED		DELIVERED TO		ORDER NO.			
		SERVICE		Petro-Mark Drilling Co.		2		VA		Alexander					
3.		WELL TYPE		WELL CATEGORY		JOB PURPOSE									
		Oil		Development		Cement 8 3/8 Surface									
4. REFERRAL LOCATION		INVOICE INSTRUCTIONS								WELL PERMIT NO.		WELL LOCATION			
												Alexander 1W, 4 1/2S, Wint			

[illegible]

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 <i>[Signature]</i>	
DATE SIGNED 1-27-10	TIME SIGNED 20

TIME SIGNED

PM

REMIT PAYMENT TO:

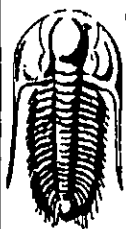
SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN- DECIDED	DIS- AGREE		
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL	3460 00
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX	
ARE YOU SATISFIED WITH OUR SERVICE?					
☐ YES ☐ NO					
☐ CUSTOMER DID NOT WISH TO RESPOND				TOTAL	

SWIFT OPERATOR *[Signature]*

APPROVAL

Thank You!



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc.

PO Box 399 Garden City
Ks 67846

ATTN: Jason Alm

Dotty #1-18

Sec18Twp19sRge20w

Job Ticket: 36816

DST#: 1

Test Start: 2010.08.02 @ 00:46:31

GENERAL INFORMATION:

Formation: **Cher. Sand "A"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 04:32:31

Time Test Ended: 08:14:31

Interval: **4327.00 ft (KB) To 4350.00 ft (KB) (TVD)**

Total Depth: **4350.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition:

Test Type: **Conventional Bottom Hole**

Tester: **Brett Dickinson**

Unit No: **47**

Reference Elevations: **2290.00 ft (KB)**

2284.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8369

Outside

Press@RunDepth: **228.50 psig @ 4328.02 ft (KB)**

Start Date: **2010.08.02**

End Date:

2010.08.02

Capacity: **8000.00 psig**

Last Calib.: **2010.08.02**

Start Time: **00:46:36**

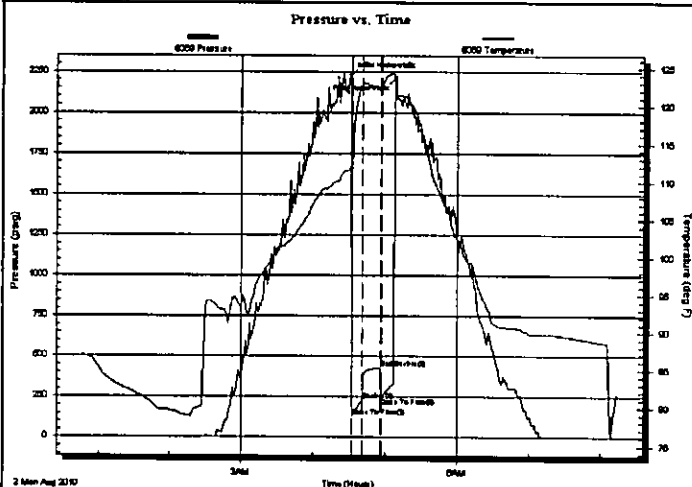
End Time:

08:14:30

Time On Btm: **2010.08.02 @ 04:31:01**

Time Off Btm: **2010.08.02 @ 05:08:30**

TEST COMMENT: IF-BOB in 2.5min
ISI-No blow
FF-BOB in 2.5min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2226.79	111.83	Initial Hydro-static
2	128.09	111.64	Open To Flow (1)
11	228.50	122.80	Shut-In(1)
25	426.96	122.25	End Shut-In(1)
26	246.31	122.47	Open To Flow (2)
38	2214.72	122.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
500.00	SMCW 90%W 10%M	5.88
120.00	WCM 35%M 65%W	1.68
60.00	Oilspotted WCM 40%W 60%M	0.84

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

Dotty #1-18

PO Box 399 Garden City
Ks 67846

Sec18Twp19sRge20w

Job Ticket: 36816

DST#: 1

ATTN: Jason Alm

Test Start: 2010.08.02 @ 00:46:31

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:

40000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm-m

Gas Cushion Pressure:

psig

Salinity: 8400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
500.00	SMCW 90%W 10%M	5.884
120.00	WCM 35%M 65%W	1.683
60.00	Oilspotted WCM 40%W 60%M	0.842

Total Length: 680.00 ft

Total Volume: 8.409 bbf

Num Fluid Samples: 0

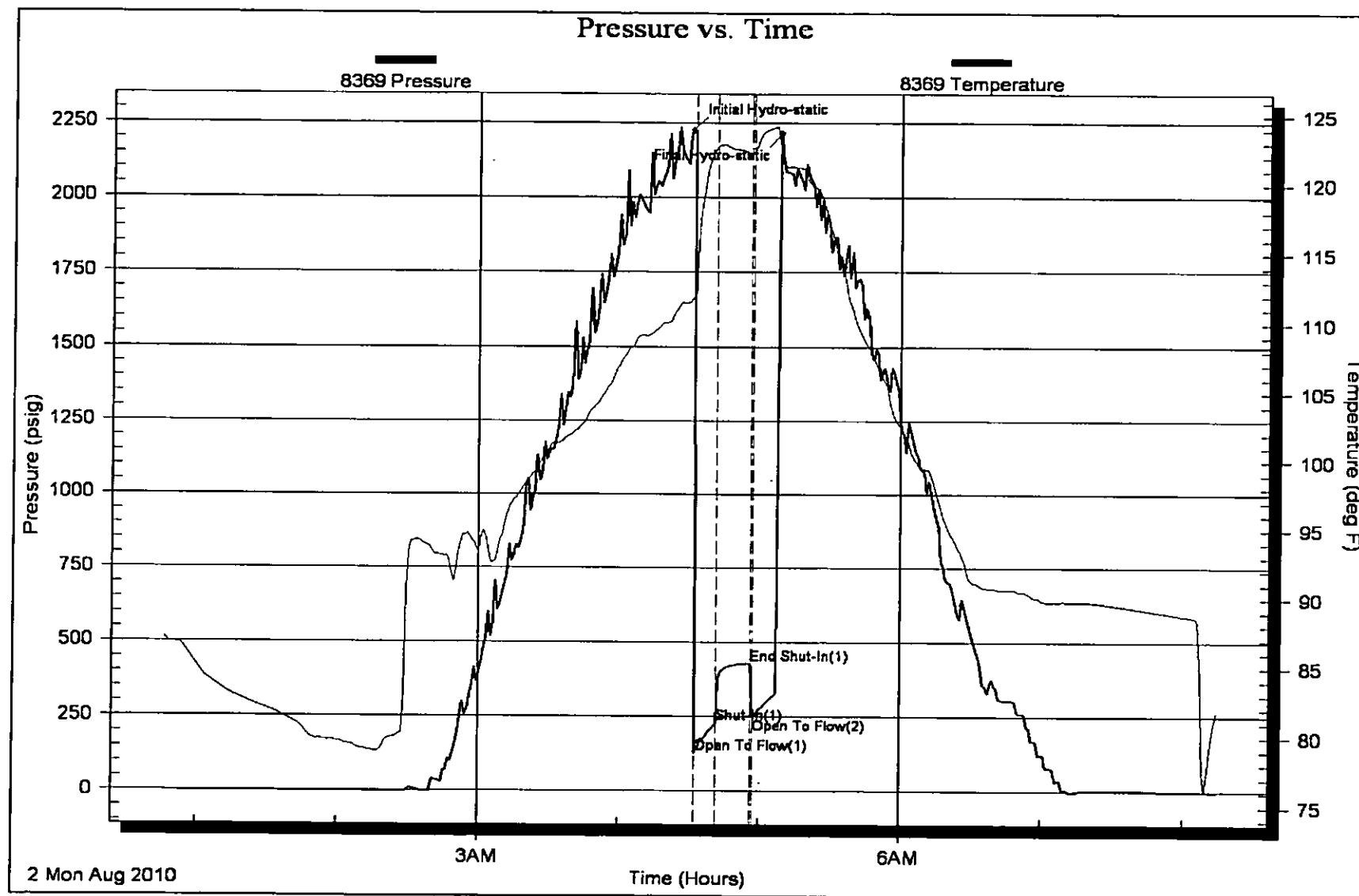
Num Gas Bombs: 0

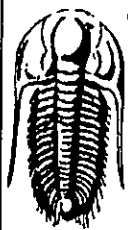
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc.

PO Box 399 Garden City
Ks 67846

ATTN: Jason Alm

Dotty #1-18

Sec18Twp19sRge20w

Job Ticket: 36817

DST#: 2

Test Start: 2010.08.02 @ 14:56:12

GENERAL INFORMATION:

Formation: **Cher. Sand**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 17:05:42

Time Test Ended: 19:44:42

Interval: **4350.00 ft (KB) To 4382.00 ft (KB) (TVD)**

Total Depth: **4382.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition:

Test Type: **Conventional Bottom Hole**

Tester: **Brett Dickinson**

Unit No: **47**

Reference Elevations: **2290.00 ft (KB)**

2284.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8369

Outside

Press@RunDepth: **236.51 psig @ 4351.02 ft (KB)**

Start Date: **2010.08.02**

End Date:

2010.08.02

Capacity: **8000.00 psig**

Last Calib.: **2010.08.02**

Start Time: **14:56:17**

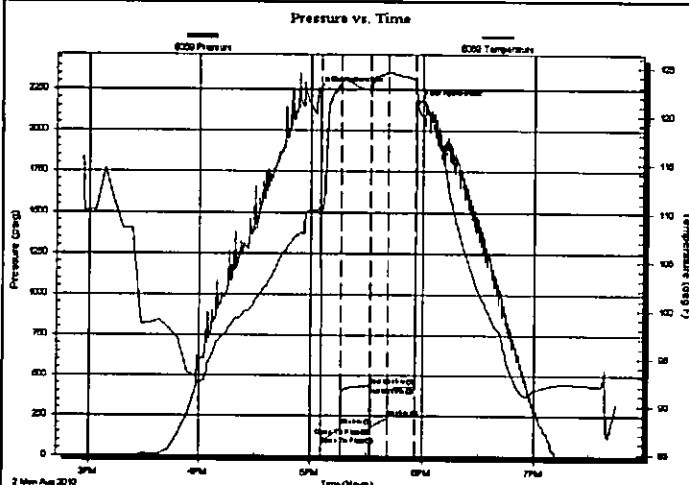
End Time:

19:44:41

Time On Btm: **2010.08.02 @ 17:03:42**

Time Off Btm: **2010.08.02 @ 17:57:12**

TEST COMMENT: IF-BOB in 4min
ISI-No blow
FF-BOB in 7min
FSI-weak surface blow died in 4min



PRESSURE SUMMARY

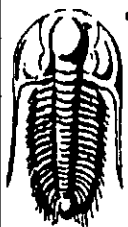
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2244.10	110.35	Initial Hydro-static
2	68.99	109.99	Open To Flow (1)
13	182.52	123.48	Shut-In(1)
28	433.33	122.66	End Shut-In(1)
29	176.08	122.09	Open To Flow (2)
38	236.51	124.50	Shut-In(2)
53	430.75	123.93	End Shut-In(2)
54	2162.16	121.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
480.00	water	5.60
20.00	mcw 30%M 70%W	0.28

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mc/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

Dotty #1-18

PO Box 399 Garden City
Ks 67846

Sec18Twp19sRge20w

Job Ticket: 36817

DST#: 2

ATTN: Jason Alm

Test Start: 2010.08.02 @ 14:56:12

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:

35000 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
480.00	water	5.604
20.00	mcw 30%M 70%W	0.281

Total Length: 500.00 ft

Total Volume: 5.885 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

