KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM

KCC WICHITA Form Must Be Typed All blanks must be Signed All blanks must be Filled

CONFIDENTIAL WELL COMPL WELL HISTORY - DESCRI	KCC WICHITA orm must be signed
OPERATOR: License # 4058	API No. 15 - 137-20, 530 - 0060
Name: American Warrior, Inc	Spot Description: E/2-SE-SW
Address 1: P O Box 399	E/2_SE_SE_SW Sec. 27 Twp. 2 S. R. 24 ☐ East West
Address 2:	335 Feet from North / South Line of Section
City: Garden City State: KS Zip: 67846 +	2,584 Feet from East / West Line of Section
Contact Person: Kevin Wiles, Sr	Footages Calculated from Nearest Outside Section Corner:
Phone: (620) 275-2963 KCC	✓ NE □NW □SE □SW
CONTRACTOR: License # 4958 OCT 2 6 2010	County: Norton
	Lease Name: Hoover Well #: 2-/17 1-27
Name: Mallard J V, Inc Wellsite Geologist: Ed Glassman CONFIDENTIAL	Field Name: Wildcat
Purchaser: N/A	Producing Formation: N/A
Designate Type of Completion:	Elevation: Ground: 2474' Kelly Bushing: 2479'
✓ New Well Re-Entry Workover	Total Depth: 3760' Plug Back Total Depth:
	Amount of Surface Pipe Set and Cemented at: 205 Fee
☐ Oil ☐ WSW ☐ SWD ☐ SIOW ☐ Gas ☑ D&A ☐ ENHR ☐ SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ✓ No
GSW Temp. Abd.	If yes, show depth set: Feel
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cm
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Drilling Fluid Management Plan
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content: 20,500 ppm Fluid volume: 85 bbls
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Dewatering method used: EVAPORATION
Conv. to GSW	
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
SWD Permit#:	Lease Name: License #:
ENHR Permit#:	Quarter Sec TwpS. R East Wes
GSW Permit #:	County: Permit #:
9/25/10 10/02/10 10/02/10	

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.

Completion Date or

Recompletion Date

AFFIDAVIT

Date Reached TD

Spud Date or Recompletion Date

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:				
V . V	Date: 10/25/10			

KCC Office Use ONLY				
Letter of Confidentiality Received Date: 10/24/10 - 10/26/17				
Confidential Release Date:				
Wireline Log Received				
Geologist Report Received				
UIC Distribution				
ALT I VII III Approved by: N Date: 1 00 1				

Operator Name: <u>Ame</u>	rican Warrior. I	, nc			o Two	Hoover		Well# 15	31 7 (KCC OCT 2 6 2010 ONFIDENTIA
Sec. 27 Twp.2					Norte	on				ONFIDENTIA
NSTRUCTIONS: Show ime tool open and clos recovery, and flow rates ine Logs surveyed. Att	w important tops a ed, flowing and sh s if gas to surface t	nd base of ut-in pressu est, along v	formations per ires, whether s vith final chart(shut-in press	etali ali ci sure read	ched static leve	ii final copies of d I, hydrostatic pres	sures, bottom	hole tem	perature, fluid
Orill Stem Tests Taken (Attach Additional St	neets)	✓ Ye	es 🗌 No			og Formati	on (Top), Depth a	nd Datum	7	Sample
Samples Sent to Geolo	,	ΠYe	es 🗸 No		Nam			Тор		Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy)		Ye	es ✓ No		Stone Base S	Corral Stone Corral		2036' 2065'		-414 -414
List All E. Logs Run:										
			*******	RECORD	✓ Ne					
Purpose of String	Size Hole Drilled	Siz	rt all strings set- e Casing (in O.D.)			tion, etc. Type of Cement	# Sacks Used			
Surface	12-1/4"	8-5/8"		24		205	Common	150	2%ge	el 3%cc
Purpose: —— Perforate —— Protect Casing —— Plug Back TD —— Plug Off Zone	Depth Top Bottom	Туре	ADDITIONAl	L CEMENTII # Sacks		JEEZE RECORI		Percent Additive	es	
Shots Per Foot			tD - Bridge Plu Each Interval Pe				acture, Shot, Ceme Amount and Kind of I		ord	Depth
									RECE	IVED
									OCT 2	6 2010
TUBING RECORD:	Size:	Set At:		Packer A	At:	Liner Run:	Yes N		C WI	CHITA
Date of First, Resumed F	Production, SWD or E	NHR.	Producing Me	thod:	ng 🗌	Gas Lift	Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbis.	Gas	Mcf	Wat	er	Bbls.	Gas-Oíl Ratio		Gravity
DISPOSITIO			Open Hole	METHOD OF			ommingled	PRODUCT	TION INTE	RVAL:
Vented Sold (If vented, Subi	Used on Lease mit ACO-18.)		Other (Specify) _	r cm.	(Submit		ubmit ACO-4)			

Geological Report

KCC OCT 2 6 2010 CONFIDENTIAL

American Warrior Inc. Hoover #1-17 335' FSL & 2584' FWL Sec. 27 T2S R24W Norton County, Kansas

> Ed Glassman Geologist

> > RECEIVED OCT 2 5 2010 KCC WICHITA

American Warrior, Inc.

General Data

Well Data:

American Warrior Inc.

Hoover #1-17 E/2-SE-SE-SW

335' FSL & 2584' FWL Sec. 27 T.2S R.24 W. Norton County, Kansas API # 15-137-20, 530-0000

Drilling Contractor:

Mallard Drilling Co

Spud Date:

9/25/2010

Rotary TD Date:

10/02/2010

Rotary TD:

3760'

Elevation:

2474' Ground Level

2479' Kelly Bushing

Casing:

Surface 205' 8 5/8" 24# surface casing

Samples:

10' wet and dry, 3800' to RTD

Drilling Time:

3700' to RTD

Electric Logs:

None

Drillstem Tests:

One

Problems:

None

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OCT 2 3 2010

KCC WICHITA

Formation Tops

Hoover 1-17

Stone Corral 2036'+443
Base Stone Corral 2065'+414
RTD 3760'-1281

KCC 0C1 2 6 2010 CONFIDENTIAL

DST 1 3540' to 3483' Interval 43' LKC

 IF
 No Blow
 IFP 13.29# -14.6#

 ISI
 No Blow
 ISP 80.47#

 FF
 No Blow
 FFP 14.6# -15.4#

 FSI
 No Blow
 FSP 55.23#

Recovery: 5' M

Summary: Due to structural position and lack of commercial oil shows in tests, the decision was made to plug & abandon the Hoober 1-17.

Respectfully Submitted, Ed Glassman

RECEIVED

OCT 2 3 2010

KCC WICHITA

ALLIED CEMENTING CO., LLC. 041994 KCC BOX 31 SELL, KANSAS 67665 OCT 2 6 2010 SERVICE POINT: Regard AS

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

ONEDENTIAL

SERVICE POINT:
Russell KS

			COM	-117-11-1-1			
DATE 9-27-10	SEC. 27	TWP.	RANGE 24	CALLED OUT	ON LOCATION	JOB START 3:45pm	JOB FINISH 4:15 pm
Hover Lease	WELL#	1-27	LOCATION Norto	n 64 West	383+36	Norton	STATE
OLD OR NEW (Ci	rcle one)		Jet. 1 North	Ye West			
CONTRACTOR #	M-11	1 N -:1/	in Dutt	OWNED			
CONTRACTOR TYPE OF JOB 5	unar	: Drill	ug Kign	OWNER			
HOLE SIZE 121		T.D.	212'	CEMENT			
CASING SIZE 8		DE	тн 212'	AMOUNT ORD	ERED 150	com 340	c 2% Bel
TUBING SIZE		DEI					
DRILL PIPE		DEI	TH				
TOOL			TH	-			_
PRES. MAX			IMUM	COMMON			2025,00
MEAS. LINE CEMENT LEFT IN	LCSC	-/ 5 -/	DE JOINT	POZMIX	3	_@	
PERFS.	CSO.			GEL CHLORIDE			257,50
DISPLACEMENT		25486	1	ASC		_	X 2 1, 30
		IPMENT		7100			
	EQU	TE STINIT E				@	
PUMP TRUCK (CEMENT	ED T. L.	Roberts	-			
		Richard				@	
BULK TRUCK	HELLER J	NICHAPE	1005	-		@	<u> </u>
	DRIVER	Deniel	TUS				
BULK TRUCK		LAWN I CI		-		@	
#	DRIVER			HANDLING 4	150	_ @	337,50
				MILEAGE			675,06
	REA	MARKS:		MILLAGE _2		TOTAL	
	I I	·11111101				IOIAL	3355,75
Est. Circu	lation			-	SERVI	CE	
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17/17 700	COPP) -	7, CC 7, 7-1	301	DEPTH OF JOB PUMP TRUCK			99/w
Displace w	12 %	2 Rb/	HZO	EXTRA FOOTA	GE		77/05
				MILEAGE	45	@	315,00
Cement I	oid Ci	rculate	! Thank You!	MANIFOLD			
			Thank You!				
				****	RECEIVED	_ @	
CHARGE TO: An	nerica	n War	rior				
STREET					OCT 2 6 2010	TOTAL	1306,00
				· · · · · · · · · · · · · · · · · · ·	CC WICHIT	Λ	
CITY	STA	ATE	ZIP		LUG & FLOAT		ı r
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To Allied Comme	i C- I	1.0		 			
To Allied Cement			antina assimmant				
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and furnish cemer		•	assist owner or above work was				
done to satisfaction						TOTAL	
	•		of owner agent or and the "GENERAL"				
			on the reverse side.	SALES TAX (If	Any)		
LEANIS MILE CO	101110	i io noteu	on the levelse side.				
	1, -	مس		TOTAL CHARC			
PRINTED NAME_	rype a	uerge	K3e/K	DISCOUNT	- Control of the Cont	IF PAI	D IN 30 DAYS
	_						

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "ALLIED" shall mean Allied Cementing Co., LLC, and "CUSTOMER" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "Merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- —TERMS: Unless satisfactory credit has been established, CUSTOMER must tender full cash payment to ALLIED before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, CUSTOMER agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that CUSTOMER may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the CUSTOMER or at the option of ALLIED, refunded directly to CUSTOMER. For purposes of this paragraph, ALLIED and CUSTOMER agree that Kansas law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.
- —ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.
- —PRICES AND TAXES: All merchandise listed in ALLIED'S current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.
- —TOWING CHARGES: ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.
- —PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.
- —DEADHAUL, CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.
 - —SERVICE CONDITIONS AND LIABILITIES:
- 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. CUSTOMER shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:
- (A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:
- (B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.
- 2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing. CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.
- 3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES:

- I. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.
 - 2. More specifically:
- (A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.
- (B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.
- (C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

ALLIED CEMENTING CO., LLC. 041916

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665 OCT 2 6 2010

SERVICE POINT

				CONFIDEN	IAL	71033	· //
DATE /6/2//-	SEC.	TWP.	RANGE 24W	CALLED OUT	ON LOCATION		JOB FINISH
LEASE HOOVE	WELL#	1-27	LOCATION Nor to	N 6/44	11	Norton	STATE
OLD OR NEW (C	<u> </u>		1/2W 1				
CONTRACTOR	Malla.	1 00	1/12 R. 11/	OWNER			
TYPE OF JOB	OTA		113 100	OWINER			
HOLE SIZE /2		TD	3760	CEMENT			
CASING SIZE		DEP		AMOUNT OF	RDERED 220	0 H 8%	6/14
TUBING SIZE		DEP		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		7	
DRILL PIPE &	1/2		TH 2050				
TOOL		DEP					•
PRES. MAX			IMUM	COMMON	132	@ /3.50	1782.00
MEAS. LINE			E JOINT	POZMIX	F F		664.40
CEMENT LEFT I	N CSG.	***		GEL	2		141, 75
PERFS.				CHLORIDE		<i>(</i> 2)	
DISPLACEMENT	-			ASC			
	EOU	JIPMENT	 			@	
	BQC	, 11 (V111), V K		Flo Sea	/ 55#	@ 2.45	134,75
DIBAD TOLICIA	CEMENT	ED	<u>/</u>			@	
PUMP TRUCK		ER	. / -	·		@	
	HELPEK	Hear	4			@	
BULK TRUCK # 4/6	DRIVER	RON				@	
BULK TRUCK	DRIVER	NON		· · · · · · · · · · · · · · · · · · ·		@	
#	DRIVER					@	-
<u>"</u>	DICIVER		· · · · · · · · · · · · · · · · · · ·	HANDLING_			495.00
				MILEAGE 🗻	10/skfm.le		990,00
,	RE	MARKS:			•	TOTAL	4207,90
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				•	SERVI	ICE	
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2 4 4 2 2 2 2		105KS		MILEAGE	45	@ 7.00	3/5,00
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TERMS AND C	ONDITIO	NS" listed	on the reverse side.	SALES IAX ((If Any)		
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SIGNATURE	nd 1	201					
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American Warrior Hoover 1-17 dst 1.txt
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ft (KB)
IF: Head came unscrew ed, Tighted head, no blow over 25 mins.
ISI: No blow back over 60 mins. FF:No blow over 30 mins.
FSI: No blow back over 60 mins.
                                                                                KCC
(TVD)
1730.84 93.260 Initial Hydro-static
                                                                             OCT 2 6 2010
13.29 92.489 Open To Flow (1)
14.60 93.0854 Shut-In(1)
80.47 93.3197 End Shut-In(1)
14.60 93.2998 Open To Flow (2)
                                                                           CONFIDENTIAL
15.40 93.44129 Shut-In(2)
55.23 93.71189 End Shut-In(2)
1766.99 94.60197 Final Hydro-static
Recovery
Length Description Volume
Gas Rates
Choke Pressure Gas Rate (psig) (Mcf/d) (inches) (ft) (bbl)
5.00 mud-100% 0.02
DRILL STEM TEST REPORT
American Warior
P.O. Box 399
Garden City Ks.
67846
ATTN: Ed Glassman 2010.10.01 @ 03:10:00
38408Job Ticket:
Sec27 Twp2s Rge24w
Hoover #1-17
Test Start:
DST#:1
GENERAL INFORMATION:
Formation:
Reference Elevations:
Total Depth:
Test Type:
Tester:
Unit No:
Hole Diameter: Hole Condition:
Time Tool Opened:
Time Test Ended:
PRESSURE SUMMARY
(deg F)
Annotation Temp
(psig)
Pressure Time
(Min.)
05:07:00
09:32:30
LKC-
7.88
3540.00
Good
Conventional Bottom Hole
Chuck Kreutzer Jr.
36
2478.00
2474.00
Deviated: No Whipstock: ft (KB)
                                                                                RECEIVED
4.00KB to GR/CF:
ft (KB)
                                                                               OCT 2 6 2010
ft (CF)
ft
                                                                             KCC WICHITA
Start Date:
```

```
American Warrior Hoover 1-17 dst 1.txt
6741
3485.60
2010.10.01
ft (KB)
End Date: 2010.10.01
Start Time: 03:10:01
Capacity: 8000.00 psig
Serial #:
Last Calib.: 2010.10.01
End Time: 09:32:30
Press@RunDepth: psig 15.40
                                                                                   KCC
Time On Btm:
Time Off Btm: 2010.10.01 @ 08:15:00
                                                                                OCT 2 6 2010
2010.10.01 @ 04:58:30
                                                                               CONFIDENTIAL
TEST COMMENT:
Inside
Interval: 3540.00 ft (KB) 3483.00 ft (KB) (TVD) To
inches
ft (KB)
IF: Head came unscrew ed, Tighted head, no blow over 25 mins.
ISI: No_blow back over 60 mins.
FF:No blow over 30 mins.
FSI: No blow back over 60 mins.
(TVD)
1730.84 93.260 Initial Hydro-static
13.29 92.489 Open To Flow (1)
14.60 93.0854 Shut-In(1)
80.47 93.3197 End Shut-In(1)
14.60 93.2998 Open To Flow (2)
15.40 93.44129 Shut-In(2)
55.23 93.71189 End Shut-In(2)
1766.99 94.60197 Final Hydro-static
Recovery
Length Description Volume
Gas Rates
Choke Pressure Gas Rate (psig) (Mcf/d) (inches) (ft) (bbl)
5.00 mud-100% 0.02
Trilobite Testing, Inc Ref. No: 38408 Printed: 2010.10.01 @ 10:03:07 Page 1
DRILL STEM TEST REPORT
American Warior
P.O. Box 399
Garden City Ks.
67846
ATTN: Ed Glassman
Mud and Cushion Information
Mud Type:
Mud Weight:
Viscosity:
Filter Cake:
Salinity:
Resistivity:
Water Loss:
Gel Chem
9.00
44.00
                                                                                      RECEIVED
7.20
1000.00
                                                                                     OCT 2 6 2010
2.00
Cushion Type:
```

Page 3

Cushion Length:

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```
American Warrior Hoover 1-17 dst 1.txt
```

```
Cushion Volume:
Gas Cushion Type:
Gas Cushion Pressure:
lb/gal
sec/qt
ohm.m
ppm
inches
                                                                                   \{\chi_{i}^{(k)}\}_{i=1}^{k}
Recovery Table
                                                                                 OCT 26 2010
Length Description
Recovery Information in<sup>3</sup>
                                                                                CONFIDENTIAL
5.00 mud-100%
Total Length: 5.00 ft Total Volume: 0.025 bbl
Num Fluid Samples: Num Gas Bombs: 0 0
Laboratory Name: Laboratory Location:
Recovery Comments: 2010.10.01 @ 03:10:00 Job Ticket: 38408 Sec27 Twp2s Rge24w Hoover #1-17
Test Start:
DST#:1
bb1
ft
psig
Vo] ume
bbl
FLUID SUMMARY
Oil API:
Water Salinity: ppm
deg API
0.025
Serial #:
Trilobite Testing, Inc Ref. No: 38408 Printed: 2010.10.01 @ 10:03:08 Page 2
7
```

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```
American Warrior Hoover 1-17 dst 1.txt
DRILL STEM TEST REPORT
American Warior
P.O. Box 399
Garden City Ks.
67846
ATTN: Ed Glassman 2010.10.01 @ 03:10:00
38408Job Ticket:
Sec27 Twp2s Rge24w
Hoover #1-17
Test Start:
DST#:1
GENERAL INFORMATION:
Formation:
                                                                            KCC
Reference Elevations:
Total Depth:
                                                                          OCT 2 6 2010
Test Type:
Tester:
                                                                         CONFIDENTIAL
Unit No:
Hole Diameter: Hole Condition:
Time Tool Opened:
Time Test Ended:
PRESSURE SUMMARY
(deg F)
Annotation Temp
(psig)
Pressure Time
(Min.)
05:07:00
09:32:30
LKC-
7.88
3540.00
Good
Conventional Bottom Hole
Chuck Kreutzer Jr.
36
2478.00
2474,00
Deviated: No Whipstock: ft (KB)
4.00KB to GR/CF:
ft (KB)
ft (CF)
ft
Start Date:
6741
3485.60
2010.10.01
ft (KB)
End Date: 2010.10.01
Start Time: 03:10:01
Capacity: 8000.00 psig
Serial #:
Last Calib.: 2010.10.01
End Time: 09:32:30
Press@RunDepth: psig 15.40
Time On Btm:
Time Off Btm: 2010.10.01 @ 08:15:00
2010.10.01 @ 04:58:30
TEST COMMENT:
                                                                         OCT 2 6 2010
KCC WICHITA
Inside
Interval: 3540.00 ft (KB) 3483.00 ft (KB) (TVD) To
inches
                                          Page 1
```

CONFIDENTIAL



DRILL STEM TEST REPORT

American Warior

Hoover #1-277

P.O. Box 399 Garden City Ks.

Job Ticket: 38408

Sec27 Twp2s Rge24w

DST#: 1

67846

ATTN: Ed Glassman

Test Start: 2010.10.01 @ 03:10:00

GENERAL INFORMATION:

Time Tool Opened: 05:07:00

Time Test Ended: 09:32:30

Formation:

LKC-

Deviated:

No Whipstock: ft (KB)

Test Type:

Conventional Bottom Hole

Tester:

Chuck Kreutzer Jr.

Unit No:

36

3483.00 ft (KB) To 3540.00 ft (KB) (TVD)

2478.00 ft (KB)

Interval: Total Depth:

3540.00 ft (KB) (TVD)

Reference Elevations:

2474.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Good

KB to GR/CF:

PRESSURE SUMMARY

Annotation

4.00 ft

Serial #: 6741

Inside Press@RunDepth:

15.40 psig @

3485.60 ft (KB)

Capacity:

8000.00 psig

Start Date:

2010.10.01

End Date:

2010.10.01

Last Calib.:

Start Time:

09:32:30

Time

(Min.)

Time On Btm:

Pressure

(psig)

2010.10.01

03:10:01

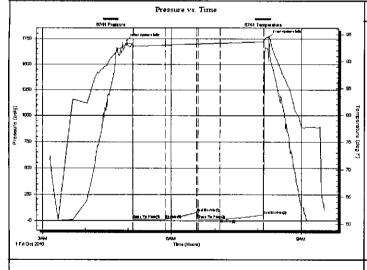
End Time:

Time Off Btm:

2010.10.01 @ 04:58:30 2010.10.01 @ 08:15:00

TEST COMMENT: IF: Head came unscrewed, Tighted head, no blow over 25 mins.

ISI: No blow back over 60 mins. FF:No blow over 30 mins. FSI: No blow back over 60 mins.



0	1730.84	93.26	Initial Hydro-static
9	13.29	92.48	Open To Flow (1)
54	14.60	93.08	Shut-In(1)
97	80.47	93.31	End Shut-In(1)
98	14.60	93.29	Open To Flow (2)
129	15.40	93.44	Shut-In(2)
189	55.23	93.71	End Shut-In(2)
197	1766.99	94.60	Final Hydro-static

Temp

(deg F)

Recovery

	recovery						
Length (ft)	Description	Volume (bbi)					
5.00	mud-100%	0.02					
		i					

Gas Rates

Choke (inches) Pressure (psig)

Gas Rate (Mcf/d)

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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warior

Hoover #1-17

P.O. Box 399 Garden City Ks. Sec27 Twp2s Rge24w

DST#: 1

67846 ATTN: Ed Glassman Job Ticket: 38408

Test Start: 2010.10.01 @ 03:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: Viscosity:

9.00 lb/gal

Cushion Length:

Water Salinity:

ppm

Water Loss:

44.00 sec/qt 7.20 in^a

Cushion Volume: Gas Cushion Type: bbl psig

ft

Resistivity:

ohm.m

Gas Cushion Pressure:

Salinity: 1000.00 ppm Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud-100%	0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Num Fluid Samples: 0 Laboratory Name:

Num Gas Bombs:

Laboratory Location:

Serial #:

Recovery Comments:

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