

### Kansas Corporation Commission Oil & Gas Conservation Division

1103857

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from North / South Line of Section
City:	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil         WSW         SWD         SIOW           Gas         D&A         ENHR         SIGW           OG         GSW         Temp. Abd.           CM (Coal Bed Methane)         Cathodic         Other (Core, Expl., etc.):	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: sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator: Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:  Deepening Re-perf. Conv. to ENHR Conv. to SWD  Conv. to GSW	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:  Dual Completion Permit #:  SWD Permit #:	Operator Name:
☐ ENHR         Permit #:           ☐ GSW         Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	

#### **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: Date:					



Side Two	
	1103857

Operator Name:			Lease Name: _			_ Well #:	
Sec Twp	S. R	East West	County:				
time tool open and clo	sed, flowing and shut es if gas to surface tes	d base of formations pen in pressures, whether s st, along with final chart( well site report.	hut-in pressure rea	ched static level,	hydrostatic press	sures, bottom h	ole temperature, fluid
Drill Stem Tests Taken (Attach Additional S		Yes No		og Formation	n (Top), Depth an	d Datum	Sample
Samples Sent to Geol	ogical Survey	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy,	d Electronically	Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	ew Used			
		Report all strings set-			on, 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 / SQL	JEEZE RECORD			
Durane Death		# Sacks Used	d Type and Percent Additives				
Plug Off Zone							
Shots Per Foot PERFORATION RECORD - Bridge Plugs Son Specify Footage of Each Interval Perforated Perforation Perfo					cture, Shot, Cemen nount and Kind of Ma	•	Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN	HR. Producing Met			other (Explain)		
Estimated Production Per 24 Hours	Oil E		Mcf Wat			Gas-Oil Ratio	Gravity
DIODOGITIC	ON OF CAS:	<u> </u>	AETHOD OF COMPLY	ETION:		DRODUCTIC	MINITEDVAL.
DISPOSITIO	ON OF GAS:  Used on Lease	Open Hole	METHOD OF COMPLE  Perf. Dually		nmingled	PRODUCITO	ON INTERVAL:
(If vented, Sub		Other (Specify)	(Submit		mit ACO-4)		

Form	ACO1 - Well Completion			
Operator	merican Warrior, Inc.			
Well Name	D'Brate-Gray 1-9			
Doc ID	1103857			

# Tops

Name	Тор	Datum
Heebner	4051	-1195
Lansing	4108'	-1252
Stark	4428'	-1572
B/KC	4568'	-1712
Marmaton	4595'	-1739
Ft.Scott	4691'	-1835
Atoka	4797'	-1941
Morrow	4836'	-1980
St.Louis	4859'	-2003

# **Geological Report**

American Warrior, Inc.

O'Brate-Gray #1-9

449' FSL & 335' FEL

Sec. 9, T24s, R30w

Gray County, Kansas



American Warrior, Inc.

# **General Data**

Well Data:	American Warrior, Inc. O'Brate-Gray #1-9 449' FSL & 335' FEL Sec. 9, T24s, R30w Gray County, Kansas API # 15-069-20407-0000
Drilling Contractor:	Duke Drilling Co. Rig #5
Geologist:	Kevin Timson
Spud Date:	November 9, 2012
Completion Date:	November 18, 2012
Elevation	2845' Ground Level 2856' Kelly Bushing
Directions:	From Southeast side of Garden City, KS at intersection of Hwy 50 and Pole Line Rd. Go 7 miles East on Pole Line Rd to 4 Rd. Now go 1 mile North on 4 Rd to C Rd. Now go ½ mile North on 4 Rd and West into location.
Casing:	#23 8 5/8" surface casing set @ 432' with 260 sacks Class A, 3% c.c, 2% gel.
Samples:	4000' to RTD 10' wet and dry,
Drilling Time:	4000' to RTD
Electric Logs:	Pioneer "D. Kerr" Dual Compensated Porosity, Dual Induction, Microresistivity, Sonic Log.
Drillstem Tests:	One Trilobite Testing "Chuck Smith"
Remarks:	None

# **Formation Tops**

American Warrior, Inc. O'Brate-Gray #1-9 Sec. 9, T24s, R30w **Formation** 449' FSL & 335' FEL Heebner 4051' -1195 Lansing 4108' -1252 Stark 4428' -1572 BKc 4568' -1712 Marmaton 4595' -1739 Pawnee 4665' -1809 Fort Scott 4691' -1835 Cherokee 4705' -1849 Atoka 4797' -1941 Morrow 4836' -1980 St. Gen 4848' -1992 St. Louis 4859' -2003 **RTD** 5000' -2144

# **Sample Zone Descriptions**

Pawnee Limestone (4665', -1809): Not Tested

Limestone tan. Sub to fine crystalline. Poor to fair oomoldic porosity and poor to fair oolycastic porosity. Barren. 20 unit hotwire.  $\Delta$ -off white/brown.

Morrow Sandstone (4836', -1980): Covered in DST #1

Sandstone gray. Very fine to fine grain. Poor intercrystalline porosity. Slight to fair stain. Slight saturation. Show of free oil when broken. Very slight odor. 40 unit hotwire. Dirty sand.

# **Drill Stem Tests**

Trilobite Testing Inc. "Chuck Smith"

# DST #1 Morrow Sand

Interval (4822' – 4851') Anchor Length 29'

IHP - 2392#

 IFP
 - 30" – Surface blow
 17-18 #

 ISI
 - 30" – No Return
 31 #

 FFP
 - 10" – No Blow
 19-19 #

 FSIP
 - Pull tool
 NA

FHP - 2388 # BHT - 115 ° F

Recovery: 5' OSM (100% Mud)

# **Structural Comparison**

Formation Heebner Lansing Stark	American Warrior, Inc. O'Brate-Gray #1-9 Sec. 9, T24s, R30w 449' FSL & 335 FEL 4051' -1195 4108' -1252 4428' -1572	+1 -7 -4	American Warrior, Inc.  Wehkamp #1-15  Sec. 15, T24s, R30w  394' FNL & 652' FWL  4052' -1196  4101' -1245  4424' -1568	+2 -3 -2	F & M Oil Co., Inc. Hall #1 Sec. 16, T24s, R30w C SE NE 4047' -1197 4099' -1249 4420' -1570
BKC Marmaton	4568' -1712	+5	4573' -1717	-1	4561' -1711
Pawnee Fort Scott	4595' -1739 4665' -1809 4691' -1835	+2 +5 +5	4597' -1741 4670' -1814 4696' -1840	-9 -5 -3	4580' -1730 4654' -1804 4682' -1832
Cherokee Atoka	4705' -1849 4797' -1941	+6 +4	4710' -1854 4801' -1945	-	4699' -1849
Morrow St. Gen	4836' -1980 4848' -1992	+3 NA	4839' -1983	NA -2	NA 4828' -1978
St. Louis	4859' -2003	NA NA	NA NA	+1 +7	4843' -1993 4860' -2010

# **Summary**

The location for the O'Brate-Gray #1-9 well was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One drill stem test was conducted, which was negative. After all the gathered data had been examined the decision was made to plug and abandon the O'Brate-Gray #1-9 well.
Respectfully Submitted,
Kevin Timson
American Warrior, Inc.

# ALLIED OIL & GAS SERVICES, LLC 053594 Federal Tax I.D.# 20-5975804

REMITTO P.O. I	BOX 31 BELL, KAN	NSAS 6766	35		SI	ERVICE POINT:	end
DATE 11/9/12	SEC.	745	RANGE 31 W	CALLED OUT	ON LOCATIO	N JOB START	JOB FINISH
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	42		TH				
TOOL		700	<u>TH</u>		2/ 4	- 17 91	4.454.
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# ALLIED OIL & GAS SERVICES, LLC 059156 Federal Tax 1.D.# 20-5975804

REMIT TO P.O. BOX 93999	SERVICE POINT:			
SOUTHLAKE, TEXAS 76092	Swat Rent Vi			
	3001			
DATE 1/18-12 SEC. 9 TWP. RANGE 30	ALLED OUT ON LOCATION JOB START JOB FINISH			
	GODAN 9130AM 915CAY 11:30AM			
LEASE CORRY WELL 1 - 9 LOCATION (5/2 - 27	JOT, SWAX TO HEJING GOON PLATE			
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CASING SIZE DEPTH	AMOUNT ORDERED 250 6940 490 11.8			
TUBING SIZE DEPTH	4 F flored po Scale			
DRILL PIPE 41/2 DEPTH 1910'	- water			
TOOL DEPTH				
PRES. MAX MINIMUM	COMMON 150 @ 17.90 2.685.00			
	COMMON 730 @ 17.90 2.683. — POZMIX — 700 — @ 9-35 935. SO			
MEAS, LINE SHOE JOINT	POZMIX 6 9-35 935.00			
CEMENT LEFT IN CSG.	GEL 9 @ 23.40 210. 50			
PERFS.	CHLORIDE @			
DISPLACEMENT	ASC@			
EQUIPMENT	- 4100eg1 63 @ 2.97 187. 11			
ndou mart	@			
	@			
PUMPTRUCK CEMENTER Town Dayson	@			
# 36 HELPER Kayin Eddy 2				
BULKTRUCK				
#349-170 DRIVER Jad Marchan				
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REMARKS:	TOTAL 6.140.96			
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30 th in Natibels.	PUMP TRUCK CHARGE 22 49 . 84  EXTRA FOOTAGE @			
CHARGE TO: Allessee Warner  STREET	PUMP TRUCK CHARGE 22 49 · 84  EXTRA FOOTAGE @			
CHARGE TO: Allesian Warmen	PUMP TRUCK CHARGE 22 49 · 84  EXTRA FOOTAGE @ 7.70 385.00  MANIFOLD @ 7.70 220.00  WANIFOLD & 7.70 220.00  TOTAL 2.854.			
CHARGE TO: Allessee Warner  STREET	PUMP TRUCK CHARGE 22 49 · 84  EXTRA FOOTAGE @			
CHARGE TO: Allessee Warner  STREET	PUMP TRUCK CHARGE 22 49 · 84  EXTRA FOOTAGE @ 7.70 385.00  MANIFOLD @ 7.70 220.00  WANIFOLD & 7.70 220.00  TOTAL 2.854.			
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CHARGE TO: Allessee Warner  STREET	PLUG & FLOAT EQUIPMENT			
CHARGE TO: Allessee Warner  STREET  CITY  STATE  ZIP	PLUG & FLOAT EQUIPMENT			
CHARGE TO: Allessee Warmen  STREET  CITY STATE ZIP  To: Allied Oil & Gas Services, LLC.	PUMP TRUCK CHARGE 22 49 · 84  EXTRA FOOTAGE			
CHARGE TO: Allessee Literace  STREET  CITY STATE ZIP  To: Allied Oil & Gas Services, LLC.  You are hereby requested to rent cementing equipment	PUMP TRUCK CHARGE 22 49 · 84  EXTRA FOOTAGE			
CHARGE TO: Allessee Warmen  STREET  CITY STATE ZIP  To: Allied Oil & Gas Services, LLC.	PUMP TRUCK CHARGE 22 49 · 84  EXTRA FOOTAGE			
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CHARGE TO: Allessee Licerum  STREET	PUMP TRUCK CHARGE 22 49 · 84  EXTRA FOOTAGE			
CHARGE TO: Allessee Licerum  STREET  CITY STATE ZIP  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	PUMP TRUCK CHARGE 22 49 . 84  EXTRA FOOTAGE			
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### DRILL STEM TEST REPORT

American Warrior, Inc.

S9-24-30 Gray, KS
O' Brate - Gray #1-9

POB 399

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Garden City, KS 67846

Job Ticket: 48492 **DST#:1** 

ATTN: KevinTimson Test Start: 2012.11.16 @ 14:46:00

**GENERAL INFORMATION:** 

Formation: Morrow

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 16:56:13 Tester: Chuck Smith

Time Test Ended: 20:48:13 Unit No: 62

Interval: 4822.00 ft (KB) To 4851.00 ft (KB) (TVD) Reference Elevations: 2856.00 ft (KB)

Total Depth: 4851.00 ft (KB) (TVD) 2845.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 8018 Inside

Press@RunDepth: 18.33 psig @ 4826.00 ft (KB) Capacity: 8000.00 psig

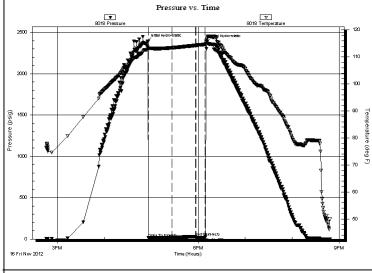
 Start Date:
 2012.11.16
 End Date:
 2012.11.16
 Last Calib.:
 2012.11.16

 Start Time:
 14:46:02
 End Time:
 20:48:13
 Time On Btm:
 2012.11.16 @ 16:55:13

 Time Off Btm:
 2012.11.16 @ 18:11:03

TEST COMMENT: Surface blow.

No return. No blow . No return.



		Г	KESSUR	AE SUIVIIVIAR I
Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2392.01	113.10	Initial Hydro-static
	1	16.85	112.71	Open To Flow (1)
	31	18.33	113.36	Shut-In(1)
,	62	30.85	114.25	End Shut-In(1)
	62	18.57	114.25	Open To Flow (2)
	74	18.76	114.65	Shut-In(2)
`	76	2388.34	116.48	Final Hydro-static
,				

PRESSURE SUMMARY

#### Recovery

Description	Volume (bbl)
OSM 100m	0.02
	·

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

Trilobite Testing, Inc Ref. No: 48492 Printed: 2012.11.16 @ 22:57:06



# DRILL STEM TEST REPORT

**FLUID SUMMARY** 

American Warrior, Inc. S9-24-30 Gray, KS

POB 399 O' Brate - Gray #1-9

Garden City, KS 67846 Job Ticket: 48492 DST#: 1

ATTN: KevinTimson Test Start: 2012.11.16 @ 14:46:00

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: deg API Water Salinity: ppm

Mud Weight: Cushion Length: 10.00 lb/gal ft bbl

Viscosity: 51.00 sec/qt Cushion Volume:

Water Loss: 8.79 in<sup>3</sup> Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

1800.00 ppm Salinity: Filter Cake: 1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
5.00	OSM 100m	0.025

Total Volume: 0.025 bbl Total Length: 5.00 ft

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Printed: 2012.11.16 @ 22:57:07 Trilobite Testing, Inc Ref. No: 48492

