

Confidentiality Requested:

### KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1220203

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 #	API No. 15
Name:	_ Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	_ Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	_ GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD ☐ SIOW □ Gas □ D&A □ ENHR □ SIGW	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back     Conv. to GSW     Conv. to Produce	
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	-
SWD Permit #:	
ENHR         Permit #:	- Operator Name:
GSW Permit #:	License #:
	- Quarter Sec TwpS. R East West
Spud Date or         Date Reached TD         Completion Date or           Recompletion Date         Recompletion Date         Recompletion Date	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:

	Page Two	1220203
Operator Name:	Lease Name:	Well #:
Sec TwpS. R   East West	County:	
INCTRUCTIONS. Chain important tang of formations panetrated. De	tail all aaraa Danart all final	conice of drill stome tests giving interval tested, time test

**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 (Attach Additional Sh	eets)	Yes No		0	on (Top), Depth a		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	9		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-o	RECORD Ne		ion, 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 / SQU	IEEZE RECORD			
Burpaga	Depth						

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

(If No, skip questions 2 and 3) (If No, skip question 3)

No

No

No

(If No, fill out Page Three of the ACO-1)

Shots Per Foot		PERFORATION Specify For	RECOF	RD - Bridge F Each Interval	Plugs Set/Typ Perforated	e	A		ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner Rı	un:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	<b>}</b> .	Producing N		ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bbl	S.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	ON OF C	GAS:			METHOD		TION:	_	PRODUCTION IN	TERVAL:
Vented Sold	l [] l	Used on Lease		Open Hole	Perf.	Dually (Submit)	Comp.	Commingled		
(If vented, Sul	bmit ACC	D-18.)		Other (Specify	)	(Submit )	,	(Submit ACO-4)		

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Tancayo 3-3
Doc ID	1220203

## Tops

Name	Тор	Datum
Anhy	1862'	+974
B/Anhy	1936	+900
Heebner	3961'	-1125
Lansing	4017	-1181
B/KC	4502'	-1666
Marm	4524'	-1688
Ft.Scott	4628'	-1792
Morrow	4802'	-1966
Mississippian	4820'	-1984

# ALLIED OIL & GAS SERVICES, LLC 052587

Federal Tex I.	D.# 20-5975804			
REMIT TO P.O. BOX 31		SERV	/ICE POINT:	~
RUSSELL, KANSAS 67665			Liberal	(2D)
lana laura lauran la			1	<u> </u>
DATE $7 - 2 - 14$ SEC. TWP. RANGE C	ALLED OUT	ON LOCATION	JOB START	JOB FINISH 8:00am
Tencoura			7:00am COUNTY	STATE
LEASE WELL# 3-3 LOCATION East	of Garden	City	Finney	135
OLD OR NEW (Circle one)		0-	1	
			-	
CONTRACTOR Duke #5	OWNER			
TYPE OF JOB Surface	<b>GPLIPLIP</b>		× .	
HOLE SIZE 12X4 T.D. 1710	CEMENT			
CASING SIZE 8 5/8 DEPTH 165.5'	AMOUNT OF	NDERED ASS	K Glass A,	65/35,
TUBING SIZE DEPTH DRILL PIPE DEPTH	bregel,	2º CC, 14	Flosen 1	1
TOOL DEPTH	owsk OI	ass Af and	1 MITIOSCO	e1
PRES. MAX 2000 MINIMUM	COMMON (	Joss A 20	00 17.90	3,580,00
MEAS. LINE SHOE JOINT 42	POZMIX		@	
CEMENT LEFT IN CSG. 2.7 DOL	GEL		@	
PERFS.	CHLORIDE	29 55	@_64,00	1,856.00
DISPLACEMENT 102.7 PDL	ASC		@	
EQUIPMENT	flosral		@_2,97	1,078.11
	ALWC Type	I closs A 625:	K@ 16,50	10,312.50
PUMPTRUCK CEMENTER Aldo Espinoza			100	
# 903-501 HELPER Cesar Pavia				
BULK TRUCK			_@	
# 956- 841 DRIVER Rubin Pacrez	-		_@	
BULK TRUCK			_@	
# 955-528 DRIVER Algondo Ajah	HANDLING		@	
	MILEAGE			
REMARKS:		3365.32/20	e TOTAL	16,886.61
	-	5 ~5.5 ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	10 10111	regause
and an		SERVI	CR	
terror terr		BERTI	C.B	
	DEPTH OF JO	DB .		
		K CHARGE		2,213,75
	Light Vch			220.00
	Heavy Veh	icle 50 mi		385,00
	MANIFOLD	1		275,00
	Handling	947.01 FT3	@_2.48	2, 348.59
	Dragage	1975 T-M	@ 2,60	5,135.00
CHARGE TO: American Warrior		2115.47/20	21	
STREET	c	2113 - 1/90	TOTAL	10,577,34
CITYSTATEZIP		NUC & FLOP	TROUDLE	147
		PLUG & FLOA	I EQUIPME	NT.
	Guide SI	hac 1	@ 460,98	460,98
		+ Value 1		
To: Allied Oil & Gas Services, LLC.		Basket 1	_@ <i>\$\$9.</i> ₽	6 559,26
You are hereby requested to rent cementing equipment	Centralic		@_7418	
and furnish cementer and helper(s) to assist owner or	Top Rubb	er Plug 1	The second second second	131.04
contractor to do work as is listed. The above work was	3	64 37/ 20	90	1,822.86
done to satisfaction and supervision of owner agent or		1 .7	TOTAI	4800.86
contractor. I have read and understand the "GENERAL				
TERMS AND CONDITION8 <sup>50</sup> listed on the reverse side.	SALES TAX	CALL CONTRACTOR AND ADDRESS OF		
		RGES 29.	126.81	
	TOTAL CHA			
PRINTED NAME FRINKETH MG_1110				
PRINTED NAME XENNETH MCUIRE	DISCOUNT .	58453616	0% IF PA	
1/ Aunt.	DISCOUNT .	58453616	0% IF PA	
PRINTED NAME KENNETH MCUIre SIGNATURE Kemet MUlue	DISCOUNT .		0% IF PA	



### **CEMENTING LOG**

				mmon as a second		region concerna	5					and the second se			
	8/2014 Dist			tet No.	53256		Type				10 bbl	and the second se			0.00
Company		ICAN WARRIG			and the second sec	Amt	S	ks Yield	······		ft*/s	Density		.34	_ PPO
Lease		NCAYO	the second second	ll No	3-3										
County	F	INNEY	518	te <u>K</u>	s	LEAD:	Time		bre	Timo	60/40/	4			
Location Field						CLASS			ms.	type	00/40/		Exces		
	Conductor	🗸 РТА	Пе	queeze	Misc.		200 S	ks Vield		15	(t3/s)	Density			PPC
casing bata	Surface	Interme			Liner	-	Time			Туре					-
Size 8				24# Collar		TALE.				.760			Exces	·	
	<u></u>					Amt.	S	ks Yield			ft*/s	Density	,		PPO
							Lead		and the second second					35.7	
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Casing Dept	hs Top		Bottom			Pump	Trucks Use	ed: 531	1-541						
	•					Bulk Equ	ipment	777-74	1						
	a falista-i raidos				der andere in der keinigen in der				441 Berl (Merl (1999)						
Drill Pipe:	BBLS/	LIN, FT O.	01422 LIN	FT/BBL				1111 - 1425 - C							
Open Hole:		LIN. FT		FT/BBL		Float E	quipment	: Manu	Ifacture	r					
Capacity Fac		LIN. FT		FT/BBL			Туре						Dept	h	
Casing		manufacture inte			15.698	Float:	Туре							h	
Open Holes		LIN. FT		FT/BBL	and the second se	Central	lizers:	Quantity	,	Plu	gs Top		Botto	m	
Drill Pipe		LIN. FT		. FT/BBL			Collars						-		
Annulus	BBLS/	LIN. FT 0	and the second second	FT/BBL	24.63		Equipme	nt							
	BBLS/	LIN. FT	0.044 LIN	FT/BBL	22.727	Disp:	Fluid Ty	pe	H20	A	mt	bbls	Weig	ht 8.3	4 PP
Perforations	From	ft	to /	ft Ami	t		ype						Weig	ht	
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TIME	PRESSU	IRES PSI	FLU	ID PUMPED D	ATA	T	10202230000				********		card average		
TIME		IRES PSI	the second s			-		A.C.P.V.Conscience		REM	ARKS				- <del>2010 m</del>
TIME AM/PM	DRILL PIPE	ANNULUS	TOTAL	ID PUMPED D PUMPED PER TIME PERIOD	RATE					REM	ARKS				22220
AM/PM			the second s	PUMPED PER		Got To	Location	Spot Tr	icke Ar						
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AM/PM 2:00 p.m. 2:20	DRILL PIPE CASING		TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLS/MIN	Have A	Prejob S	afety Me	eting	ıd Rig U					
AM/PM 2:00 p.m. 2:20 2:30	DRILL PIPE		TOTAL	PUMPED PER	RATE	Have A Pump	Prejob S 2 BBIs H20	afety Me D To Fill I	eting Pump L	id Rig U	p.				
AM/PM 2:00 p.m. 2:20 2:30 2:32	DRILL PIPE CASING 280		TOTAL FLUID 2	PUMPED PER TIME PERIOD	RATE BBLS/MIN 2	Have A Pump 2 PRESSU	Prejob S 2 BBIs H20 JRE TEST	afety Me D To Fill I 1000 PSI	eeting Pump L pumpi	id Rig U ines ng lines	p.				
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AM/PM 2:00 p.m. 2:20 2:30 2:32 2:35 2:40 2:44 3:10 3:15 3:45 3:45 3:50 4:25 4:50	DRILL PIPE CASING 280 280 270 250 250 200		TOTAL FLUID 2 10 20.6 45.6 58.9 78.9 89.5 100.1 106.4	PUMPED PER TIME PERIOD 2 8 10.6 25 13.3 20 10.6 10.6 5.3	RATE BBLS/MIN 2 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Have A Pump 2 PRESSI Start p Start p Start p Start d Pump 2 Displac Pump 2 , Mix an	Prejob S 2 BBIs H20 JRE TEST umping 8 nixing and umping 2 umping 5 isplAcaen 40 sk at 9 c ement 1 20 sk at 6 nd pump 2	afety Me D To Fill 1 1000 PSI bbls h20 I pumpir .5 b bls I 0 sk cern nent 20 I 30 ft., 10 0.6 bbls 0 ft., 5.3 30 sk cern 0 sk cern	eeting Pump L pumpi D space g 40 sh 20 the eent at bbls h20 bbls sh h20 bbls sh nent fo	nd Rig U ines ng línes r c. Ceme n 22.5 b 1680 ft. ) slurry. r rathol	p. nt at 19 bls mud 13.3 bb ee., 8 b	with rig s slurry. bls slurr	4.	slurry.	
AM/PM 2:00 p.m. 2:20 2:30 2:32 2:35 2:40 2:44 3:10 3:15 3:45 3:50 4:25 4:50	DRILL PIPE CASING 280 280 270 250 250 200		TOTAL FLUID 2 10 20.6 45.6 58.9 78.9 89.5 100.1 106.4 114.4	PUMPED PER TIME PERIOD 2 8 10.6 25 13.3 20 10.6 10.6 5.3 8	RATE BBLS/MIN 2 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Have A Pump 2 PRESSI Start p Start p Start p Start d Pump 2 Displac Pump 2 , Mix an Wash p	Prejob S 2 BBIs H20 JRE TEST umping 8 nixing and umping 2 umping 5 isplAcaen 40 sk at 9 c ement 1 20 sk at 6 nd pump 2 pumping 1	afety Me D To Fill 1 1000 PSI bbls h20 I pumpir .5 b bls I 0 sk cern nent 20 I 30 ft., 10 0.6 bbls 0 ft., 5.3 30 sk cern 0 sk cern	eeting Pump L pumpi D space g 40 sh 20 the eent at bbls h20 bbls sh h20 bbls sh nent fo	nd Rig U ines ng línes r c. Ceme n 22.5 b 1680 ft. ) slurry. r rathol	p. nt at 19 bls mud 13.3 bb ee., 8 b	with rig s slurry. bls slurr	4.	slurry.	
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AM/PM 2:00 p.m. 2:20 2:30 2:32 2:35 2:40 2:44 3:10 3:15 3:45 3:50 4:25 4:50	DRILL PIPE CASING 280 280 270 250 250 200		TOTAL FLUID 2 10 20.6 45.6 58.9 78.9 89.5 100.1 106.4 114.4	PUMPED PER TIME PERIOD 2 8 10.6 25 13.3 20 10.6 10.6 5.3 8	RATE BBLS/MIN 2 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Have A Pump 2 PRESSI Start p Start m Start p Start p Start d Pump 2 Josplac Pump 2 ,Mix an Wash p Rig dou Job fini	Prejob S 2 BBIs H2(2) JRE TEST umping 8 inixing and umping 2 umping 5 isplAcaen 40 sk at 9 c ement 1 20 sk at 6 ind pump 2 oumping 1 wn ished	afety Me D To Fill 1 1000 PSI bbls h20 I pumpir .5 b bls I 0 sk cern nent 20 I 30 ft., 10 0.6 bbls 0 ft., 5.3 30 sk cern 0 sk cern	eeting Pump L pumpi D space g 40 sh 20 the eent at bbls h20 bbls sh h20 bbls sh nent fo	nd Rig U ines ng línes r c. Ceme n 22.5 b 1680 ft. ) slurry. r rathol	p. nt at 19 bls mud 13.3 bb ee., 8 b	with rig s slurry. bls slurr	4.	slurry.	
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AM/PM 2:00 p.m. 2:20 2:30 2:32 2:35 2:40 2:44 3:10 3:15 3:45 3:45 3:50 4:25 4:50	DRILL PIPE CASING 280 280 270 250 250 200		TOTAL FLUID 2 10 20.6 45.6 58.9 78.9 89.5 100.1 106.4 114.4	PUMPED PER TIME PERIOD 2 8 10.6 25 13.3 20 10.6 10.6 5.3 8	RATE BBLS/MIN 2 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Have A Pump 2 PRESSI Start p Start m Start p Start p Start d Pump 2 Josplac Pump 2 ,Mix an Wash p Rig dou Job fini	Prejob S 2 BBIs H2(2) JRE TEST umping 8 inixing and umping 2 umping 5 isplAcaen 40 sk at 9 c ement 1 20 sk at 6 ind pump 2 oumping 1 wn ished	afety Me D To Fill 1 1000 PSI bbls h20 I pumpir .5 b bls I 0 sk cerr ment 20 I 30 ft., 10 0.6 bbls 0 ft., 5.3 30 sk cerr 0 sk cerr	eeting Pump L pumpi D space g 40 sh 20 the eent at bbls h20 bbls sh h20 bbls sh nent fo	nd Rig U ines ng línes r c. Ceme n 22.5 b 1680 ft. ) slurry. r rathol	p. nt at 19 bls mud 13.3 bb ee., 8 b	with rig s slurry. bls slurr	4.	slurry.	
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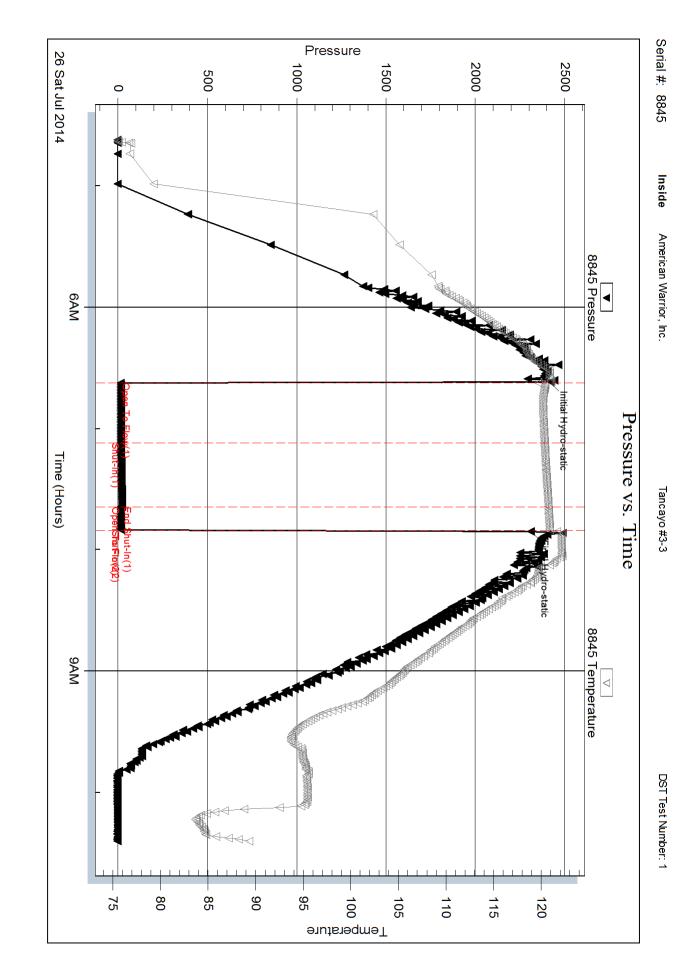
Image: Constraint of the system       Image: Constraint of the system       State         Image: Constraint of the system       Image: Constraint of the system       State         Image: Constraint of the system       Image: Constraint of the system       State         Image: Constraint of the system       Image: Constraint of the system       State         Image: Constraint of the system       Image: Constraint of the system       State         Image: Constraint of the system       Image: Constraint of the system       State         Image: Constraint of the system       Image: Constraint of the system       State         Image: Constraint of the system       Image: Constraint of the system       State         Image: Constraint of the system       Image: Constraint of the system       State         Image: Constraint of the system       Image: Constraint of the system       State         Image: Constraint of the system       Image: Constraint of the system       State         Image: Constraint of the system       Image: Constraint of the system       Image: Constraint of the system         Image: Constraint of the system       Image: Constraint of the system       Image: Constraint of the system       Image: Constraint of the system         Image: Constraint of the system       Image: Constraint of the system       Image: Constraint of the system       Image: Constraint of the system </th <th>1779.00 ft (KB) End Date: End Time:</th> <th>2014.07.26 10:24:14</th> <th>Tancay Job Ticke Test Star Test Typ Tester: Unit No:</th> <th>et: 59581 rt: 2014.07.26 re: Conventi Samuel E 72 ce Elevations: KB to GR/CF: 2014.07.3</th> <th>DST#: 6 @ 04:37:00 onal Bottom Ho Esparza 2836.00 2825.00</th> <th>ole (Initial) ft (KB) ft (CF) ft psig</th>	1779.00 ft (KB) End Date: End Time:	2014.07.26 10:24:14	Tancay Job Ticke Test Star Test Typ Tester: Unit No:	et: 59581 rt: 2014.07.26 re: Conventi Samuel E 72 ce Elevations: KB to GR/CF: 2014.07.3	DST#: 6 @ 04:37:00 onal Bottom Ho Esparza 2836.00 2825.00	ole (Initial) ft (KB) ft (CF) ft psig
POB Gard ATTM GENERAL INFORMATION: Formation: Morrow Deviated: No Whipstock: Time Tool Opened: 06:37:15 Time Test Ended: 10:24:15 Interval: 4778.00 ft (KB) To 4830.00 ft Total Depth: 4830.00 ft (KB) (TVD) Hole Diameter: 7.88 inchesHole Condit Serial #: 8845 Inside Press@RunDepth: 15.93 psig @ Start Date: 2014.07.26 Start Time: 04:37:05 TEST COMMENT: IF: Weak Surface Blow ISI: No Return. FSI: Pulled	ft (KB) ft (KB)		Job Ticke Test Star Test Typ Tester: Unit No: Reference Capacity: Last Calib.: Time On Btm:	et: 59581 rt: 2014.07.26 re: Conventi Samuel E 72 ce Elevations: KB to GR/CF: 2014.07.3	6 @ 04:37:00 onal Bottom Ho Esparza 2836.00 2825.00 : 11.00 8000.00 2014.07.26 26 @ 06:37:00	ole (Initial) ft (KB) ft (CF) ft psig
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2000 2000 500 5000 5			PRES	SURE SUM	IMARY	
	2845 Temperature	Time (Min.)		emp Annot eg F)	tation	
		0			ydro-static	
	110	1 30		9.71   Open T 0.34   Shut-In	o Flow (1) (1)	
	105	62	22.67 12	0.75 End Sh	ut-In(1)	
	100	62	1 1	0.75 Open T		
		74 74	1 1	0.89 Shut-In 1.65 Final Hy	(2) ydro-static	
6444 28 Sat.ul 2014 Time (Hours)	944 					
Recovery				Gas Rates		
Length (ft) Description 5.00 Mud 100m	Volume (bbl)		(	Choke (inches) Pr	essure (psig) G	as Rate (Mcf/d)

	)BITE STING , INC.	DRILL STEM TEST REPORT FLUID SUMMARY						
		American Warrior, Inc.			3-25s-31w Finney co.			
I EST		PO Box Garder	Cummings RD x 399 an Clty, KS 67846 : Kevin Timson		Tancayo a Job Ticket: 5 Test Start: 2		<b>DST#:1</b>	
Salinity: 4000.00	lb/gal sec/qt in³ ohm.m		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure	2:	ft bbl psig	Oil API: Water Salinity:		deg A Pl ppm
Recovery Information	n							
			Recovery Table			1		
	Lengt ft	th	Description		Volume bbl			
		5.00	Mud 100m		0.025	5		
	otal Length: um Fluid Samp		5.00 ft Total Volume: Num Gas Bombs:	0.025 bbl 0	Serial #			

Printed: 2014.07.27 @ 07:09:11

Ref. No: 59581





## **Geological Report**

American Warrior, Inc. **Tancayo #3-3** 943' FSL & 2286' FEL Sec. 3, T25s, R31w Finney County, Kansas



American Warrior, Inc.

General Data					
Well Data:	American Warrior, Inc. Tancayo #3-3 943' FSL & 2286' FEL Sec. 3, T25s, R31w Finney County, Kansas API # 15-055-22322-00-00				
Drilling Contractor:	Duke Drilling Co. Rig #5				
Geologist:	Kevin Timson				
Spud Date:	July 18, 2014				
Completion Date:	July 28, 2014				
Elevation	2825' G.L. 2836' K.B.				
Directions:	From Garden City Airport. Go SE on Hwy 50 1.3 miles to gated lease road and ingress West, follow least road to next fence line and head South into location.				
Casing:	1655' 8 5/8" #24 Surface Casing				
Samples:	4400' to RTD 10' Wet & Dry				
Drilling Time:	3900' to RTD				
Electric Logs:	Pioneer Energy Services "D. Kerr" Stacked-Micro				
Drillstem Tests:	Two-Trilobite Testing "Sam Esparza"				
Problems:	None				

## **Formation Tops**

Tancayo #3-3 Sec. 3, T25s, R31w 943' FSL & 2286' FEL

Anhydrite	1862' +974
Base	1936' +900
Heebner	3961' -1125
Lansing	4017' -1181
Stark	4375' -1539
Bkc	4502' -1666
Marmaton	4524' -1688
Pawnee	4605' -1769
Fort Scott	4628' -1792
Cherokee	4642' -1806
Morrow	4802' -1966
Miss	4820' -1984
RTD	5000' -2164
LTD	5004' -2168

### **Sample Zone Descriptions**

St. Louis (4820', -1966): Covered in DST #2

Ls. Tan. Sub crystalline. Fair oomoldic and oolycastic porosity. Poor stain. No saturation. No odor. No show of free oil.

### **Drill Stem Tests**

Trilobite Testing "Sam Esparza"

**DST #1** Morrow Interval (4778' – 4830') Anchor Length 52' IHP - 2416 # IFP - 30" – WSB died in 8 min 15-16 # - 30" – No return ISI 23 # FFP - 10" – No blow 17-16 # FSIP - Pull Tool NA FHP - 2309 # BHT - 121° F 5' Mud Recovery: **DST #2** St. Louis Interval (4854' – 4895') Anchor Length 41' IHP - 2475 # IFP - 30" – WSB built to 1" 17-49 # ISI - 30" – No return 1238 # FFP - 30" – No blow 55-75 # FSIP - 30" – No return 1204 # FHP - 2324 # BHT - 122° F Recovery: 65' WCM (25% Water)

### **Structural Comparison**

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Formation	American Warrior, Inc. Tancayo #3-3 Sec. 3, T25s, R31w 943' FSL & 2286' FEL		American Warrior, Inc. Tancayo #1-3 Sec. 3, T25s, R31w 1959' FSL & 2084' FEL	American Warrior, Inc. Tancayo #2-3 Sec 3, T25s, R31w 2274' FSL & 2258' FWL	
Heebner	3961' -1125	+3	3976' -1128	+2	4000' -1127
Lansing	4017' -1181	+1	4030' -1182	+5	4059' -1186
Stark	4375' -1539	+2	4389' -1541	FL	4412' -1539
BKC	4502' -1666	+2	4516' -1668	-3	4536' -1663
Marmaton	4524' -1688	+6	4542' -1694	-5	4556' -1683
Pawnee	4605' -1769	-2	4615' -1767	-3	4639' -1766
Fort Scott	4628' -1792	-1	4639' -1791	-2	4663' -1790
Cherokee	4642' -1806	+2	4656' -1808	FL	4679' -1806
Morrow	4802' -1966	+4	4818' -1970	+3	4842' -1969
Miss	4820' -1984	+4	4836' -1988	+3	4860' -1987

### Summary

The location for the Tancayo #3-3 well was found via 3-D seismic survey. The new well ran structurally as expected. Two drill stem tests were conducted, none of which recovered commercial quantities of oil. After all the gathered data had been examined, the decision was made to plug and abandon the Tancayo #3-3 well.

Respectfully Submitted,

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Kevin Timson American Warrior, Inc.