

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1196605

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:			Sec	TwpS. R	East West			
Address 2:			F6	eet from North /	South Line of Section			
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section			
Contact Person:			Footages Calculated from I	Nearest Outside Section C	Corner:			
Phone: ()			□ NE □ NW	V □SE □SW				
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:	W	/ell #:			
	e-Entry	Workover	Field Name:					
	_		Producing Formation:					
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing:	:			
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total C	Depth:			
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet			
☐ Cathodic ☐ Other (Co	ore, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No			
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet			
Operator:			If Alternate II completion, c	cement circulated from:				
Well Name:			feet depth to:	w/	sx cmt.			
Original Comp. Date:								
Deepening Re-perf	•	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan				
☐ Plug Back	Conv. to G		(Data must be collected from the					
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	e: bbls			
Dual Completion			Dewatering method used:_					
SWD			Location of fluid disposal if	hauled offsite				
☐ ENHR			1					
GSW	Permit #:		Operator Name:					
_ _			Lease Name:	License #:_				
Spud Date or Date R	eached TD	Completion Date or	Quarter Sec	TwpS. R	East _ West			
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 Approved by: Date:									

Page Two



Operator Name:			Lease Name: _	me: Well #:					
Sec Twp	S. R	East West	County:						
open and closed, flow and flow rates if gas t	ving and shut-in presson to surface test, along w	formations penetrated. I ures, whether shut-in pro vith final chart(s). Attach	essure reached stati n extra sheet if more	c level, hydrosta space is neede	itic pressures, bott d.	tom hole tempe	erature, fluid r	recovery,	
		otain Geophysical Data a or newer AND an image		egs must be ema	ailed to kcc-well-lo	gs@kcc.ks.gov	n. Digital elec	tronic log	
Drill Stem Tests Taken (Attach Additional	•	Yes No		_	on (Top), Depth ar		Samp		
Samples Sent to Geo	ological Survey	☐ Yes ☐ No	Nam	e		Тор	Datur	m	
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No							
List All E. Logs Run:									
		CASING	RECORD Ne	ew Used					
		Report all strings set-	conductor, surface, inte	ermediate, product	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 P Additiv		
		ADDITIONAL	OFMENTING / OOL						
Purpose:	Depth		CEMENTING / SQL	JEEZE RECORD		araant Additiraa			
Perforate	Top Bottom	Type of Cement	# Sacks Used		Type and F	ercent Additives			
Protect Casing Plug Back TD									
Plug Off Zone									
Did vou perform a hydra	ulic fracturing treatment o	on this well?		Yes	No (If No, ski	p questions 2 ar	nd 3)		
	=	raulic fracturing treatment ex	xceed 350,000 gallons		= ' '	p question 3)	,		
Was the hydraulic fractu	ring treatment information	n submitted to the chemical	disclosure registry?	Yes	No (If No, fill	out Page Three	of the ACO-1)		
Shots Per Foot		ON RECORD - Bridge Plug Footage of Each Interval Per			cture, Shot, Cement			Depth	
	Сроспу Г	octago of Laon morvari of	ioratou	(>1	mount and rand or ma	teriar Good)		Борит	
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No				
Date of First, Resumed	Production, SWD or EN								
Fotimeted Day 1 2	0" -	Flowing			Other (Explain)) O" D "			
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf Wate	er B	bls. G	Gas-Oil Ratio	Gr 	ravity	
DISPOSITI	ON OF GAS:	1	METHOD OF COMPLE	ETION:		PRODUCTIO	ON INTERVAL:		
Vented Sold		Open Hole	Perf. Dually	Comp. Con	mmingled				
	bmit ACO-18.)	Other (Specify)	ACO-5) (Sub	omit ACO-4)					

Form	CO1 - Well Completion							
Operator	American Warrior, Inc.							
Well Name	Grubb D 1-5							
Doc ID	1196605							

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	364	Class a		3%cc/2% gel
Production	8.875	5.50	14	3399	EA-2	145	D-air

ALLIED OIL & GAS SERVICES, LLC 062654 Federal Tax 1.D. # 20-8651475

REMIT TO P.O. BO		EXAS 7609	92			SER	VICE POINT:	nol
DATE 1-21-14	SEC. 5	TWP. /6	RANGE	10	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE Grubb D		1-5	100	Will	BLETOP 9N	12E	Elleworth	STATE
OLD OR NEW Cit	rcle one)							
	reke	8			OWNER			
	Unface Zry	T.D.			CEMENT			
CASING SIZE	85/4	DEP	тн 36	4.97	AMOUNT ORD	DERED 27	55X56	lass A
TUBING SIZE DRILL PIPE	4/2	DEP DEP			37666	enjel_		
TOOL PRES. MAX		DEP	CODERC C			275		LI 477 50
MEAS. LINE		10/22XX	E JOINT		COMMON POZMIX		_@ <u>17.70</u> @	4.922.5c
CEMENT LEFT IN PERFS.	CSG.	5F+			GEL	5	@ 23.40	117.00
DISPLACEMENT	22,2	9 66/	Gush	AH/	_ CHLORIDE _ ASC	775	_@ <u> • ४८ _</u>	<u>620.50</u>
-		IPMENT	<i></i>		-		@	
PUMPTRUCK (OF1 /F1 /01		1. 100		_		a	
[[[[[[[[[[[[[[[[[[[HELPER	Mike	Scott.				_e	
BILL K TRUCK	DRIVER		riest				_@	
# C09-239 BULK TRUCK	DRIVERY		(15.2					
<u>#</u>	DRIVER			-	- HANDLING 2	97.34	@ 3. 48	737.75
	22.022				MILEAGE /3	.57 x 30 x	2.60	1028.46
0.1		MARKS:		a			TOTAL	7.455. 4
Run 81/4 can		of arter		dryver	-l	SERVI	CE	
pump 5661			zec 2%	sol	DEPTH OF JOI	•		
Dog plag			-	,	PUMPTRUCK	CHARGE	1512.35	
Shark 1	10:20	bb/ fres	Lunc		_ EXTRA FOOTA _ MILEAGE	AGE	_@ @ 7 ٠٦۵	231.00
Coretdid	Corci				 MANIFOLD 			
Rigdown	K.					um 30	@ <u>3.10</u>	132.00
CHARGE TO:	men	cany	mor					- 2
STREET				20			TOTAL	. <u>1.875. ²⁵</u>
CITY	ST	ATE	ZI	P	- · · ·	PLUG & FLOA		
	¥				Wooden	quy	_@ <u>/۵7. ^{GY}</u>	107.64
To: Allied Oil &	Gas Servi	ices, LLC.					@	
You are hereby re	equested t	to rent cem	nenting ed					
and furnish ceme contractor to do v								- 64
done to satisfacti	on and su	pervision	of owner	agent or			TOTAL	107.64
TERMS AND CO						f Any)		<u></u>
TERMS AND CO	DIADITIO	f is		AC12C 210	TOTAL CHAR	O	y. <u>30</u>	
PRINTED NAME	X5	FIN H	StepHa	7.15	_ DISCOUNT _	1,88	7. 66 IF PAI	D IN 30 DAYS
SIGNATURE X	11	1/8	A .		•	7.550	J. 64	-
SIGNATURE 1	-\4\200 11	17. Y.T.	7		-		398	
Jhank	yw!	•	,		*			

1	SWIF	77
		13
	Services,	Inc.

AMERICA	WARRIOR INC	
DRESS		

TICKET 25813

PAGE OF 2

Sen	rices,	inc.													1	12	
SERVICE LOCATIONS	Ks	WELL/PROJECT NO		LEAS		BB "D"	COUNTY/PARISH ELLSWOOT	Н	STATE	CITY DELIVERED T	2			1-27-14 RDER NO.		NER SAME	
3. REFERRAL LOCATION		MSERVICE SALES WELL TYPE OP	Do	KE DOL	L CAT	EGORY JOBP	URPOSE S'12" LOAGSTRI	JG	VIA		ATTO)	w	ELL LOCATION HOLYR	200	Ks	
PRICE REFERENCE		RY REFERENCE/ NUMBER		ACCT ACCT	DF		DESCRIPTION			QTY.	U/M	QTY.	U/M	UNIT PRICE		AMOUN	т
575			2		JP.	MILEAGE # 113				70	MI			Ь	00	420	00
578			2			PUMP CHARGE	-			1	203	3400	FT	1500	00	1500	000
221			1			Kraus Ka				2	GAL			25	00	50	00
281			2			MUDFLUSH				500	GAL		-		25	625	500
402			1			CESTRALLZES				8	EA	5/2	"	70	00	560	00
403			1		la.	CEMENT BASKET	·			1	EA		\Box	300	00	300	00
406			1			LATCH DOWN P	LUG - BAFFLE			1	EA			275	00	273	\$100
404			1		1	INSERT FLOOR	SHOE W/AUTO F	ni		1	EA			375	100	375	100
															 		-
LEGAL TERMS: the terms and con				_	T	REMIT PA	YMENT TO:			VEY PERFORMED DOWN?	AGRI	EE DECIDE	DIS- AGRE	PAGE TOT	AL H	4105	100
but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions. MUST BE SIGNED BY CUSTOMER OR QUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS					SWIFT SER	VICES, INC.	OUR S		S? AS 'HOUT DELAY?	-				12	5281	88	
					P.O. BOX 466 NESS CITY, KS 67560 785-798-2300			HE EQUIPMENT D JOB			115	Subtotal 9.		9386	00		
DATÉ SIGNED 1-27-14 WIME SIGNED 1430 P.M.								SFIED WITH OUR SERVICE? YES NO SUSTOMER DID NOT WISH TO RESPOND				TOTAL	/	9849	88		
		CUSTOME	R ACCE	PTANCE OF	FMA	TERIALS AND SERVICES	The customer hereby acknowledge	owledges	receipt of the	ne materials a	nd service	es listed on the	his ticket				- 27/12

SWIFT OPERATOR WILSON

APPROVAL

Thank You!



PO Box 466. Ness City, KS 67560

TICKET CONTINUATION

TICKET

No. 25813

Service			-798-23			Section 1997 And All Control of the	GRUBB	0	1.5	-	1.27-14	PAGE OF	
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	DF	TIME	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT	
325		1		4		STANDARD COMENT EA-2	175	SKS			14,50	2537	ঠ০
276	3-	1		9		FLOCELE	30	185			2150	125	00
283		1		10		SALT	900	luss			عدا	180	00
284		1				CALSEAL	8	SKS	800	ugs	35,00	280	00
292		1		1		HAVAS-322	125	185			800	1000	00
290		1				D-ADQ	4	GAL			4200	168	00
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581		1				SERVICE CHARGE	CUBIC FEET	Ш	175	-	2,00	350	-00
583		i		T		MILEAGE TOTAL WEIGHT LOADED MILES TO TOTAL WEIGHT TO TOTAL WEI	TON MILES		641.3	8	1100	641	1
							•		1 16		IATIONTOTAL	5281.	

USTOMER	70.7 [1]	RODE IX	WELL NO.		LEACE	8B '' D	ices, Inc. JOB TYPE S/2 LONGSTRING	TICKET NO. 25813
CHART	TIME	RATE	VOLUME (BBD)(GAL)	PUMPS	PRESSUR	E (PSI)		And the second s
NO.		RATE (BPM)	(BBD)(GAL)	r c	TUBING	CASING	DESCRIPTION OF OPERATIO	N AND MATERIALS
	1430			+			ON LOCATEON	
	1515						START 51/2" CASTNG IN Li)eu
				+			TD-3400'	SET: 3399'
							TP-3399'	512"-14#
							55-21'	5/2 //
							CENTERVIZERS-1,3,5,7,9	11 13 15
				+			CMT BSKT-4	11,73,13
							ONI GSET 4	
	1645			l day			DROP BALL - GROWATE	
		2	12	V			PUMP 500 GAL MUDFLOSH	
			20	V			PUMP 20 BBLS KCL - FLUSH	
			7				PLUG RH (305KS)	
				+.			200 0 111	- / ^
			35	1			Max CEMENT - 145 SKS EA-	-2 = 15.4 PPG
				+			WASH OUT PUMP - LINES	
							RELEAGE LATER DOWN PLUG	
		98	0	-			DISPURE PLUG	
		76	60			1 1901	1	
	1820	5	82.4		2	1250	PUG Nous - Par Up (ATT	HIN PLUG
	1000		52.1		800	1500	PLUG DOWN - PSZUP LATE	11200
	1825	-					RELEASE PSZ - HELD	
	1830							
							WASHTRUCK	
	1900	•		-			JOB COMPLETE	
		1						
							WAYNE, DON, J	N
							1 Davie Mas T	OHW DONE



Prepared For: American Warrior Inc.

PO Box 399

Garden City, KS 67646

ATTN: Jim Musgrove

Grubb D #1-5

5-16s-10w Ellsworth,KS

Start Date: 2014.01.26 @ 11:10:05 End Date: 2014.01.26 @ 18:28:25 Job Ticket #: 56047 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



American Warrior Inc.

Grubb D #1-5

PO Box 399

Job Ticket: 56047

DST#: 1

1785.00 ft (CF)

Garden City, KS 67646 ATTN: Jim Musgrove

Test Start: 2014.01.26 @ 11:10:05

5-16s-10w Ellsworth, KS

GENERAL INFORMATION:

Formation: Arbuckle

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

Time Tool Opened: 13:16:55

Tester: Tate Lang
Time Test Ended: 18:28:25

Unit No: 49

Interval: 3225.00 ft (KB) To 3280.00 ft (KB) (TVD) Reference Elevations: 1793.00 ft (KB)

Total Depth: 3280.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8898 Outside

Press@RunDepth: 1058.65 psig @ 3243.00 ft (KB) Capacity: 8000.00 psig

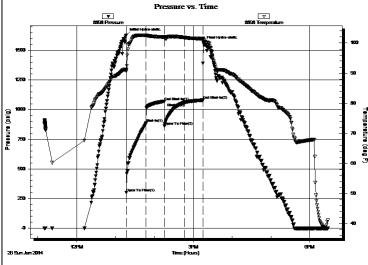
 Start Date:
 2014.01.26
 End Date:
 2014.01.26
 Last Calib.:
 2014.01.26

 Start Time:
 11:10:06
 End Time:
 18:28:25
 Time On Btm:
 2014.01.26 @ 13:16:45

 Time Off Btm:
 2014.01.26 @ 15:15:45

TEST COMMENT: B.O.B. In 1 min

Dead no blow back B.O.B. In 1 min Dead no blow back



		PI	KESSUR	RE SUMMARY
Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1627.88	91.19	Initial Hydro-static
	1	300.25	90.64	Open To Flow (1)
	31	885.68	102.51	Shut-In(1)
	59	1070.26	101.98	End Shut-In(1)
	59	862.36	101.86	Open To Flow (2)
	90	1058.65	101.84	Shut-In(2)
,	119	1080.27	101.42	End Shut-In(2)
9	119	1560.61	101.38	Final Hydro-static

DDESCLIDE SLIMMADV

Recovery

Description	Volume (bbl)
25%O 50%W 25%M	15.29
10%O 70%W 20%M	13.47
95%W 5%M	5.05
	25%O 50%W 25%M 10%O 70%W 20%M

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



American Warrior Inc.

5-16s-10w Ellsworth,KS

Grubb D #1-5

Tester:

Unit No:

PO Box 399

Garden City, KS 67646 Job Ticket: 56047

Test Start: 2014.01.26 @ 11:10:05

Tate Lang

49

ATTN: Jim Musgrove

GENERAL INFORMATION:

Formation: Arbuckle

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

Time Tool Opened: 13:16:55 Time Test Ended: 18:28:25

Interval: 3225.00 ft (KB) To 3280.00 ft (KB) (TVD)

Total Depth: 3280.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1793.00 ft (KB)

1785.00 ft (CF) KB to GR/CF: 8.00 ft

DST#: 1

Serial #: 8897 Inside

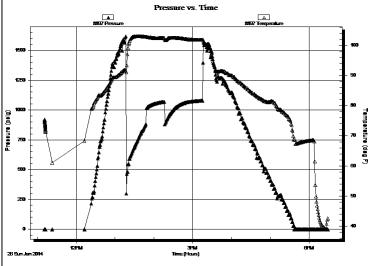
 Press@RunDepth:
 psig
 @
 3243.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2014.01.26 End Date: 2014.01.26 Last Calib.: 2014.01.26

Start Time: 11:10:59 End Time: 18:29:18 Time On Btm: Time Off Btm:

TEST COMMENT: B.O.B. In 1 min

Dead no blow back B.O.B. In 1 min Dead no blow back



PRESSURE SUMMARY

	THEOGOTE COMMITTEE					
-	Time	Pressure	Temp	Annotation		
ı	(Min.)	(psig)	(deg F)			
_						
Temperature (deg F)						
refun						
(d eg						
J						

Recovery

Description	Volume (bbl)
25%O 50%W 25%M	15.29
10%O 70%W 20%M	13.47
95%W 5%M	5.05
	25%O 50%W 25%M 10%O 70%W 20%M

Gas Rates

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



TOOL DIAGRAM

American Warrior Inc.

5-16s-10w Ellsworth, KS

PO Box 399

Grubb D #1-5

Job Ticket: 56047

DST#: 1

Garden City, KS 67646
ATTN: Jim Musgrove

Test Start: 2014.01.26 @ 11:10:05

Tool Information

Drill Pipe: Length: 3223.00 ft Diameter:
Heavy Wt. Pipe: Length: 0.00 ft Diameter:
Drill Collar: Length: 0.00 ft Diameter:

3.80 inches Volume: 45.21 bbl 0.00 inches Volume: 0.00 bbl 2.25 inches Volume: 0.00 bbl Tool Weight: 2000.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 40000.00 lb

Drill Pipe Above KB: 18.00 ft
Depth to Top Packer: 3225.00 ft

Total Volume: 45.21 bbl Tool Chased 0.00 ft String Weight: Initial 26000.00 lb

Depth to Bottom Packer: ft Interval between Packers: 55.00 ft

Final 34000.00 lb

Tool Length: 55.00 ft 75.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3210.00		
Hydraulic tool	5.00			3215.00		
Packer	5.00			3220.00	20.00	Bottom Of Top Packer
Packer	5.00			3225.00		
Stubb	1.00			3226.00		
Perforations	17.00			3243.00		
Recorder	0.00	8897	Inside	3243.00		
Recorder	0.00	8898	Outside	3243.00		
Change Over Sub	1.00			3244.00		
Drill Pipe	32.00			3276.00		
Change Over Sub	1.00			3277.00		
Bullnose	3.00			3280.00	55.00	Bottom Packers & Anchor

Total Tool Length: 75.00



FLUID SUMMARY

DST#: 1

American Warrior Inc.

5-16s-10w Ellsworth, KS

Grubb D #1-5

PO Box 399

Garden City, KS 67646 Job Ticket: 56047

ATTN: Jim Musgrove Test Start: 2014.01.26 @ 11:10:05

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: 48000 ppm

Viscosity: 61.00 sec/qt Cushion Volume: bbl

Water Loss: 7.19 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3800.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

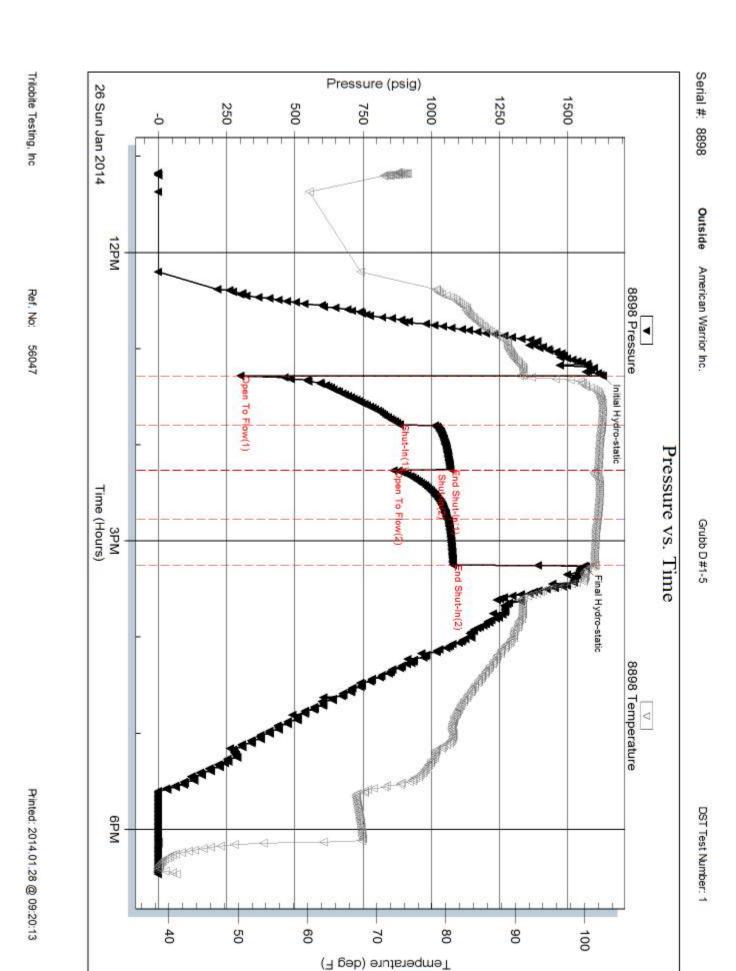
	Length ft	Description	Volume bbl
	1090.00	25%O 50%W 25%M	15.290
ĺ	960.00	10%O 70%W 20%M	13.466
ĺ	360.00	95%W 5%M	5.050

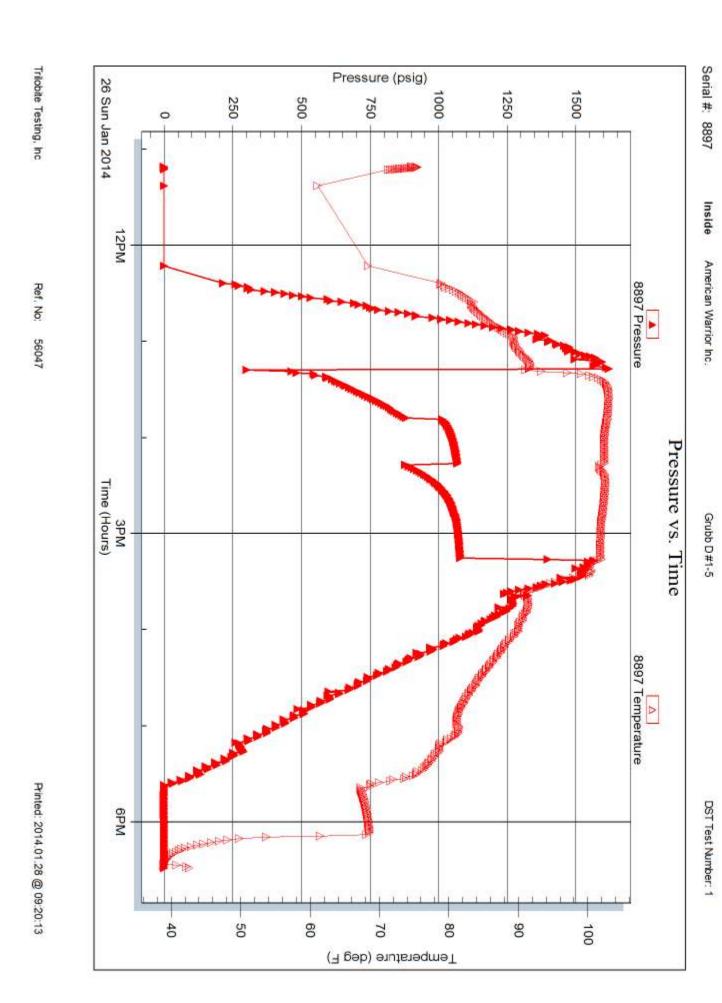
Total Length: 2410.00 ft Total Volume: 33.806 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:







RILOBITE ESTING INC.

1515 Commerce Parkway - Hays, Kansas 67601

Test Ticket

NO.

56047

C 11 N # 1			1.	1-2	6-12
Well Name & No. GTU65	7	_ Test No	1203	Date / 70	2
Company/tmosica Warror	PNC DO Para	_ Elevation _ /	77	KB / / &	5/7/4/
Address 3/18 Cummings Ko	1 PO 130X) (90000 (ity//	0/676
Co. Rep/Geo. Sim Musgrove	10121	Rig Di	10-8	,	721
Location: SecTwp	Rge / OCC	Co	worth	State	1/1
Interval Tested 32.25 32.80	Zone Tested A	buchles		(5)	2
Anchor Length 55	Drill Pipe Run	125	Mı	ud Wt.)
Top Packer Depth	Drill Collars Run	2	Vi:	6/	
Bottom Packer Depth 3225	Wt. Pipe Run		W	1_42	+
Total Depth 3280	Chlorides	00 pp	m System LC	M	71
Blow Description BO, B, TU	min				
Dead No blo	p back				
B.O.B. LN	Imia				
Dead No bl	low back		0	-6	72
Rec 1090 Feet of CMW	•	%gas	35 %oil	S &water	25%mud
Rec 960 Feet of OCMW		%gas	/0%oil	%water	20 %mud
Rec_S(a) Feet of Inclu		%gas	%oil	%water	→ %mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Total 2410 BHT 0	Gravity Al	PIRW 123	@418 °F C	Chlorides	ppn
(A) Initial Hydrostatic /628	Test 1150		T-On Loca	ation 09,30	
(B) First Initial Flow	☐ Jars		T-Started	13/2/0	,
(C) First Final Flow	□ Safety Joint		T-Open	15:16	2
(D) Initial Shut-In	☐ Circ Sub		T-Pulled	18/20	
(E) Second Initial Flow	☐ Hourly Standby	2- 1-0	T-Out _	Garde	Fler
(F) Second Final Flow 1059	Mileage MBA	1 1151	Comment	1st a	
(G) Final Shut-In	☐ Sampler	178.25	_		
(H) Final Hydrostatic	□ Straddle		— □ Ruine	d Shale Packer_	
20	☐ Shale Packer		— □ Ruine	d Packer	
Initial Open	☐ Extra Packer	13	_ □ Extra	Copies	
Initial Shut-In	☐ Extra Recorder			0	
Final Flow	Day Standby		Total	1328.25	
Final Shut-In	☐ Accessibility		_ MP/DST	Disc't	
	Sub Total1328.25		-110		
Approved By	Our F	Representative	plan	1/	
Trilobite Testing Inc. shall not be liable for damaged of any kind of the proper equipment, or its statements or opinion concerning the results of any test, to	erty or personnel of the one for whom a to tools lost or damaged in the hole shall be	est is made, or for any paid for at cost by the p	oss suffered or sustained party for whom the test is	, directly or indirectly, to made.	through the use of its

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American Warrior Inc. Grubb 'D' #1-5 NW-SW-NE-SW (1698' FSL & 1644' FWL) Section 5-16s-10w Ellsworth County, Kansas Page 1

5 1/2" Production Casing Set

Contractor: Duke Drilling Co. (Rig #8)

Commenced: January 21, 2014

Completed: January 27, 2014

Elevation: 1793' K.B; 1791' D.F; 1785' G.L.

Casing program: Surface; 8 5/8" @ 364'

Production; 5 1/2" @ 3399'

Sample: Samples saved and examined 2700' to the Rotary Total Depth.

Drilling time: One (1) foot drilling time recorded and kept 2700 ft. to the Rotary Total

Depth.

Measurements: All depths measured from the Kelly Bushing.

Drill Stem Tests: There was one (1) Drill Stem Test ran by Trilobite Testing Co.

Electric Log: By Pioneer Energy Services; Dual Induction, Dual Compensated Porosity

Log, and Micro Log.

Formation	Log Depth	Sub-Sea Datum
Anhydrite	598	+1195
Base Anhydrite	624	+1169
Heebner	2827	-1034
Toronto	2847	-1054
Douglas	2858	-1065
Brown Lime	2928	-1135
Lansing	2944	-1151
Base Kansas City	3235	-1442
Arbuckle	3271	-1478
Rotary Total Depth	3400	-1607
Log Total Depth	3403	-1610
Log Total Deptil	corrected to Electric Log	measurements).

(All tops and zones corrected to Electric Log measurements).

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

TOPEKA SECTION

2692-2980' Limestone; tan, finely crystalline, slightly cherty, trace brown

edge staining, no free oil and no odor.

2982-2987' Limestone; tan, finely crystalline, granular, scattered porosity,

brown stain, weak show of free oil and no odor in fresh samples.

American Warrior Inc. Grubb 'D' #1-5 NW-SW-NE-SW (1698' FSL & 1644' FWL) Section 5-16s-10w Ellsworth County, Kansas Page 2

TORONTO SECTION

2847-2858' Limestone; tan, gray, finely crystalline, chalky, cherty in part, no shows.

LANSING SECTION

2944-2950'	Limestone; gray/tan, oolitic, dense, trace poor brown stain, no show of free oil and faint odor, plus tan oolitic chert.
2961-2966'	Limestone; tan, finely crystalline, scattered pinpoint porosity, questionable stain, no free oil and faint odor in fresh samples.
2976-2984'	Limestone; gray, tan, fossiliferous, scattered porosity, trace golden brown stain, trace of free oil and no odor in fresh samples.
3002-3014'	Limestone; tan, gray, fossiliferous, shaley in part, no shows.
3021-3026'	Limestone; tan, fossiliferous, finely crystalline, scattered intercrystalline type porosity, brown stain, trace of free oil and questionable odor in fresh samples.
3035-3050'	Limestone; gray, tan, oomoldic, fair oomoldic porosity, poor stain, weak show of free oil and no odor in fresh samples.
3104-3112'	Limestone; gray, white, oolitic, chalky in part, few cherty, poor visible porosity, no shows.
3117-3132'	Limestone; gray, tan, sub oomoldic, chalky, poor visible porosity, few with black/gray stain, no show of free oil and no odor in fresh samples.
3160-3180'	Limestone; gray, finely crystalline, fossiliferous in part, slightly cherty (dense).
3196-3214'	Limestone; gray, white, fossiliferous in part, dense, trace tan/amber chert.

ARBUCKLE SECTION

3271-3283' Dolomite; tan, brown, oomoldic, fair oomoldic and vuggy type porosity, brown stain and saturation, show of free oil and faint

odor in fresh samples.

American Warrior Inc. Grubb 'D' #1-5 NW-SW-NE-SW (1698' FSL & 1644' FWL) Section 5-16s-10w Ellsworth County, Kansas Page 3

Drill Stem Test #1

3225-3250' (log measurements 3228-3283)

Times:

30-30-30-30

Blow:

Strong

Recovery:

1090' oil and gas cut muddy water

(25% oil, 50% water, 25% mud)

960' oil cut muddy water

(10% oil, 70% water, 20% mud)

360' muddy water

Pressures: ISIP

ISIP 1070 FSIP 1059

psi

IFP 300-886

psi psi

FFP 862-1059

psi psi

HSH 1628-1562

3283-3290'

Dolomite; tan, brown, finely crystalline, slightly cherty, poor

visible porosity, no shows.

3290-3310'

Dolomite; as above, sandy in part, no shows.

3310-3330'

Dolomite; tan, fine and medium crystalline, sub oomoldic,

scattered comoldic and vuggy type porosity, no shows.

3330-3350'

Dolomite; tan/gray, fine and medium crystalline, scattered vuggy

porosity, plus white translucent chert.

3350-3360'

Dolomite and chert; as above.

3360-3380'

Dolomite; gray, white, tan, finely crystalline, sucrosic, slightly

cherty, few with scattered vuggy porosity, no shows.

3380-3403'

Dolomite; as above, plus amber chert and white chalk.

Rotary Total Depth

3400 (-1607)

Log Total Depth

3403 (-1610)

Recommendations: 5 1/2" production casing was set and cemented in the American Warrior Grubb 'D' #1-5.

Respectfully submitted;

Sames C. Musesove

James C. Musgrove, Petroleum Geologiet