

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division 1212025

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.	Twp S. R	East West
Address 2:			F6	eet from North / Se	outh Line of Section
City: S	tate: Z	ip:+	Fe	eet from East / W	lest Line of Section
Contact Person:			Footages Calculated from	Nearest Outside Section Cor	rner:
Phone: ()			□ NE □ NW	V □SE □SW	
CONTRACTOR: License #			GPS Location: Lat:	, Long:	
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxxx)
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84	
Purchaser:			County:		
Designate Type of Completion:			Lease Name:	Well	l #:
	e-Entry	Workover	Field Name:		
	_	_	Producing Formation:		
☐ Oil ☐ WSW ☐ D&A	☐ SWD	□ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing: _	
OG	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total Dep	oth:
CM (Coal Bed Methane)	_ dow	тетір. дай.	Amount of Surface Pipe Se	et and Cemented at:	Feet
Cathodic Other (Con	re, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes N	No
If Workover/Re-entry: Old Well In			If yes, show depth set:		Feet
Operator:			If Alternate II completion, of	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:	Original T	otal Depth:			
Deepening Re-perf.	Conv. to E	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan	
☐ Plug Back	Conv. to G	SW Conv. to Producer	(Data must be collected from t		
Commingled	Dormit #		Chloride content:	ppm Fluid volume: _	bbls
Dual Completion			Dewatering method used:		
SWD			Location of fluid disposal if	i hauled offsite:	
☐ ENHR			Loodiion of haid diopodal in	nation office.	
GSW	Permit #:		Operator Name:		
_ _				License #:	
Spud Date or Date Re	ached 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 III Approved by: Date:

Page Two



Operator Name:			Lease Name: _			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)	(Submit)	ACO-5) (Sub	omit ACO-4)			

Form	ACO1 - Well Completion				
Operator	American Warrior, Inc.				
Well Name	Elmer's 2-19				
Doc ID	1212025				

Tops

Name	Тор	Datum
Anhydrite	1560	699
Heebner	3722	-1463
Lansing	3766	-1507
Base Kansas City	4038	-1779
Pawnee	4146	-1887
Cherokee	4239	-1980
Mississippian	4312	-2053
TD	4346	-2087

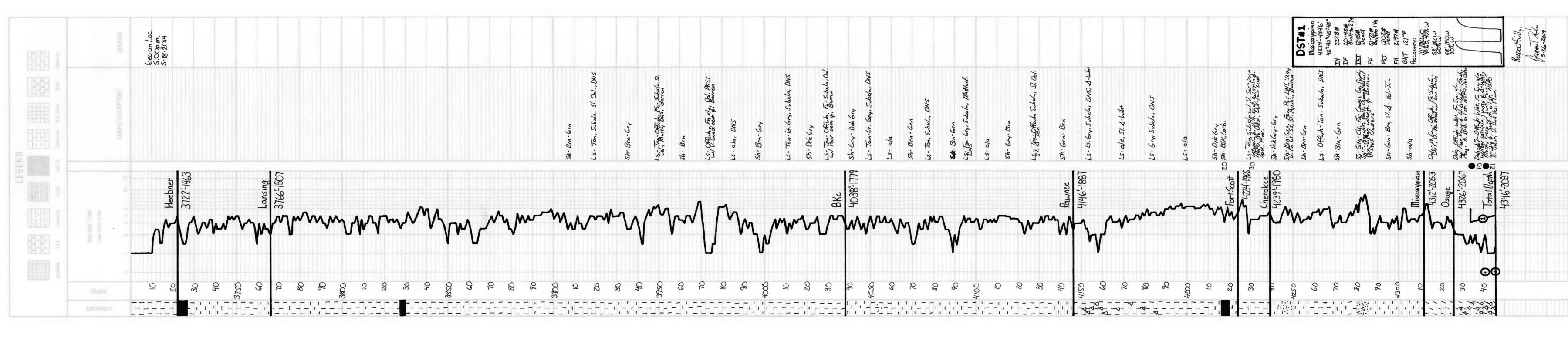


Geologic Report

Operator A	mei	rican W	arrior	, Inc.		KB E	levation 2259'	
Lease Elmo	er's			No.	2-19	DF GL	2253'	
API # 15-1 :	Casi Surface	ng Record						
Field Wild	cat						/8" @ 221' on	
Location 13	60'	FNL &	£ 1029'	FEL		None Electrical Surve		
			17s	Rge.	Rge. 21w			
County	Ne	ess	State	Ka	nsas			
Form	atio	n	Log	Tops	Sampl	le Tops	Struct C	
Anhydrite					1560	' +699	+3	
Base					1594	+665	+2	
Heebner					3722'	-1463	+8	
Lansing					3766'	-1507	+8	
BKc					4038'	-1779		
Pawnee					4146'	-1887	+11	
Fort Scott					4224'	-1965	+11	
Cherokee					4239'	-1980	+12	
Mississippian					4312'	-2053	+21	
Osage					4326'	-2067		
Total Depth					4346'	-2087		
Reference Well 4620' FSL & 660'						olfe#1		

Drilling Contract	or	Petromark Drilling, LLC. Rig #1						
Commenced	5-14-201	4 Con	5-21-2014					
Samples Saved F	From	3900'	To	RTD				
Drilling Time Ke	ept From	3700'	To	RTD				
Samples Examin	ed From	3900'	To	RTD				
Geological Super	rvision From	3900'	То	RTD				
Displacement	3600'	Mud Type	Chemical					
	Summa	ry and Reco	mmendatio	ns				
The new wel Test was con examined the	tion for the El I ran structur iducted which	lmer's #2-19 wa ally as expected was negative.	ns found via 3 d via the surv After all gatl	i-D seismic survey. vey. One Drill Stem				
The new wel Test was con	tion for the El I ran structur iducted which	lmer's #2-19 wa ally as expected was negative.	ns found via 3 d via the surv After all gatl	-D seismic survey. vey. One Drill Stem hered data had beer				
The new wel Test was con examined the	tion for the El I ran structur iducted which	lmer's #2-19 wa ally as expected was negative.	ns found via 3 d via the surv After all gatl	-D seismic survey. vey. One Drill Stem hered data had beer				
The new wel Test was con examined the	tion for the El I ran structur iducted which	lmer's #2-19 wa ally as expected was negative.	ns found via 3 d via the surv After all gatl	-D seismic survey. vey. One Drill Stem hered data had beer				

eld Wildcat	8 5/8" @ 221' Production None Floatnical Surveyore		on None	Summary and Recommendations The location for the Elmer's #2-19 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. One Drill Stem		
			Electrical Surveys None		The new well ran structurally as expected via the survey. One Drill Ster Test was conducted which was negative. After all gathered data had be	
ec. 19 Twp.	17s Rg	ge. 21w	_	Tione	examined the decision was made to plug and abandon the Elmer's #2-19	
ounty Ness	State]	Kansas			well.	
Formation	Log Top	ps Samp	le Tops	Struct Comp		
nhydrite		1560	' +699	+3		
Base			'+665	+2		
eebner		3722'	-1463	+8		
ansing			-1507	+8		
Kc		4038	-1779			
nwnee		4146	-1887	+11		
ort Scott			-1965	+11		
herokee			-1980	+12		
lississippian			-2053	+21		
sage		4326	-2067		Respectfully Submitted,	
otal Depth		4346	-2087		Respectionly submitted,	
					Jason T Alm	
eference Well For Structural (20' FSL & 660' FEL Sec. 19 T17	-		olfe#1	<u>'</u>	Hard Rock Consulting, Inc	



Geological Report

American Warrior, Inc.
Elmer's #2-19
1360' FNL & 1029' FEL
Sec. 19 T17s R21w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Elmer's #2-19 1360' FNL & 1029' FEL Sec. 19 T17s R21w Ness County, Kansas API # 15-135-25760-0000
Drilling Contractor:	Petromark Drilling, LLC. Rig #1
Geologist:	Jason T Alm
Spud Date:	May 14, 2014
Completion Date:	May 21, 2014
Elevation:	2253' Ground Level 2259' Kelly Bushing
Directions:	Bazine KS, at the intersection of Hwy 96 and Austin St. North 8 mi. to 210 Rd. East ¼ mi. South into location.
Casing:	221' 8 5/8" surface casing
Samples:	10' wet and dry, 3900' to RTD
Drilling Time:	3700' to RTD
Electric Logs:	None
Drillstem Tests:	One, Trilobite Testing, Inc. "Jace McKinney"
Problems:	None
Remarks:	None

Formation Tops

	American Warrior, Inc.
	Elmer's #2-19
	Sec. 19 T17s R21w
Formation	1360' FNL & 1029' FEL
Anhydrite	1560', +699
Base	1594', +665
Heebner	3722', -1463
Lansing	3766', -1507
BKc	4038', -1779
Pawnee	4146', -1887
Fort Scott	4224', -1965
Cherokee	4239', -1980
Mississippian	4312', -2053
Osage	4326', -2067
RTD	4346', -2087

Sample Zone Descriptions

Mississippian Osage (4326', -2067): Covered in DST #1

Dolo – Δ – Fine sucrosic crystalline with poor inter-crystalline and vuggy porosity, chert, mostly fresh with scattered poor to fair vuggy porosity, scattered light oil stain, no show of free oil, light odor, very dull yellow fluorescents, 10-21 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc. "Jace McKinney"

DST #1 Mississippian Osage

Interval (4334' – 4346') Anchor Length 12'

IHP - 2228 #

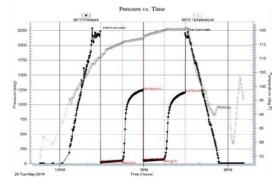
IFP -45" – Built to 2 $\frac{1}{4}$ " in. 20-48 #

ISI – 45" – Dead 1245 #

FFP - 45" - Built to 1 1/4" in. 51-72 # FSI - 45" - Dead 1202 #

FHP – 2197 #

BHT $-121^{\circ}F$



Recovery: 10' MCWO 40% Oil, 40% Water

58' MCW 60% Water w/ oil scum 58' MCW 90% Water w/ oil scum

Structural Comparison

	American Warrior, Inc.	Leben Oil Corp.			
	Elmer's #2-19	Wolfe #1		Elmer's #1-19	
	Sec. 19 T17s R21w	Sec. 19 T17s R21w		Sec. 19 T17s R21w	
Formation	1360' FNL & 1029' FEL	4620' FSL & 660' FEL		550' FNL & 1920' FEL	
Anhydrite	1560', +699	1548', +705	(+6)	1572', +701	(-2)
Base	1594', +665	1584', +669	(+4)	1607', +666	(-1)
Heebner	3722', -1463	3714', -1461	(+2)	3735', -1462	(-1)
Lansing	3766', -1507	3758', -1505	(+2)	3779', -1506	(-1)
BKc	4038', -1779	NA	NA	4051', -1778	(-1)
Pawnee	4146', -1887	NA	NA	4155', -1882	(-5)
Fort Scott	4224', -1965	4218', -1965	FL	4233', -1960	(-5)
Cherokee	4239', -1980	4232', -1979	(-1)	4247', -1974	(-6)
Mississippian	4312', -2053	4314', -2061	(+8)	4322', -2049	(-4)
Osage	4326', -2067	4322', -2069	(+2)	4338', -2065	(-2)

Summary

The location for the Elmer's #2-19 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 gathered data had been examined the decision was made to plug and abandon the Elmer's #2-19 well.

Respectfully Submitted,

Jason T Alm Hard Rock Consulting, Inc.

*ALLIED OIL & GAS SERVICES, LLC 063603

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SERVICE POINT: SOUTHLAKE, TEXAS 76092 61 cot Bend, 15 RANGE CALLED OUT JOB START 9. JOPA ON LOCATION JOB FINISH 11:00AM 10:00/11 COUNTY LOCATION BAZINE EE Rd Ness 1/2 51000 OLD OR NEW (Circle one) CONTRACTOR PATIUMANK #/ OWNER TYPE OF JOB SUI Gace CEMENT HOLE SIZE AMOUNT ORDERED 150 5ks class A **CASING SIZE** DEPTH 2-21, 89 **TUBING SIZE** DEPTH DRILL PIPE DEPTH TOOL DEPTH PRES. MAX MINIMUM COMMON_ MEAS. LINE **SHOE JOINT** POZMIX CEMENT LEFT IN CSG. @ CHLORIDE @ 13.17 6615 HZO DISPLACEMENT ASC @ @ **EQUIPMENT** @ @ **PUMP TRUCK** CEMENTER DUST 'n Chambers @ 378 HELPER 735(EII,'S @ BULK TRUCK # 67/1/2 @ DRIVER Brigh Lang @ **BULK TRUCK** DRIVER HANDLING_ @ MILEAGE __ **REMARKS:** TOTAL _____ pump 5368, H20 Aheigh Pump 5564 H2 ALE Mix 150915 remont 12:42/oce 13.1765's 4544T in **SERVICE DEPTH OF JOB** PUMP TRUCK CHARGE Cement did EXTRA FOOTAGE plan Dom MILEAGE Big Down @ MANIFOLD ___ @ @ CHARGE TO: AMerican Wolffer TOTAL _ STREET ____ STATE ZIP PLUG & FLOAT EQUIPMENT @ 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 TOTAL _ done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL SALES TAX (If Any) TERMS AND CONDITIONS" listed on the reverse side. TOTAL CHARGES _____ DISCOUNT ____ IF PAID IN 30 DAYS SIGNATURE X



STAGE NO.

4	L & GAS SE	7.2		icket No. 630	g) }	CEMENT DATA: Frethicker
Company A	megilla h		R	ig Penus Vell No. 2"		Amt. 5 25 5 Sits Yield ft 3/sk Density 5, 7 7 ppc
County News	the GN	1/2 1	100	tate		LEAD: Pump Time hrs. Type
CASING DATA:	Conductor Surface	 .	siente 🔲 Pri	· . —	_	ArmtSks Yieldft³/sk DensityPPG TAIL: Pump Timehrs. Type
528	Type Z	VVQ	9) (32 Collar		Excess
Casing Depths: To	<u> </u>	13	Bottom	221.67	F	Pump Trucks Used 374-356 E Bulk Equip. 571-112-131, MAL
Drill Pipe: Size	4/2	Weight	16.6	Collars	1ste	
Open Hole: Size CAPACITY FACTO		td	ft. Lin. ft./E	وسيمسم أرار	,	Float Equip: Manufacturer
Casing: Open Holes: Drill Pipe:	Bbls/Lin. ft Bbls/Lin. ft Bbls/Lin. ft	3142	Lin. ft./E Lin. ft./E	вы. <u>7</u> 3, 7		Float: Type Depth Centralizers: Quantity Plugs Top Btm Stage Collars
Annulus: Perforations: F		ft. to	Lin. ft./E	Bbl		Special Equip. Disp. Fluid Type
COMPANY REPRI	ESENTATIVE					CEMENTER DUSTI'S CALLES
TIME AM/PM	PRESSU DRILL PIPE CASING	RES PSI ANNULUS	FLU TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	REMARKS
TIAM			4 7			AN Liconon - Rig up Had gotten meeting
9100ph						Biroking cusing Biroking cularish w Ramas
9:25/h			· "	5 6615	5	Pung Shis Freshucres Alord
9:30 pm			40.79	35,79	5	Mix 1505Ks Cement
9:35 pm			53,54	13.17	5	17:3 place 13:176515 420 19 56 m 7 10 plug 1260 9:45pm
11, 45pm	4					clant did circulare
						Big Dom
		2 4%				
-						

BUMP PLUG TO

Federal Tay (AS SERVICES D.# 20-8651476	,	002330
REMIT TO P.O. BOX 93999		ERVICE POINT:	0
SOUTHLAKE, TEXAS 76092		bruste	elic,
DATE 5 - 20-14 SEC. 19 TWP. 17 RANGE	CALLED OUT ON LOCATIO	JOB START	JOB PINISH
LEASE LILIGAT WELL # 2-14 LOCATION BAZZA	Esed - YW-12 - 5i	CAMERY	STATE
OLD OR NAY (Circle one)		1,03	10.15
CONTRACTOR PERMACK	OWNER	1,0,	W 6
TYPE OF JOB GOWN JUNG HOLE SIZE 126 / T.D.	CEMENT		
CASING SIZE DEPTH	AMOUNT ORDERED 22	O Colon	4/mgs/
TUBING SIZE DEPTH DRILL PIPE 44 DEPTH 672	195/6	13+/140	7274
70			
PRES. MAX MINIMUM	COMMON 132	ر د ۱۶۰۱ ه	2.362.80
MEAS. LINE SHOE JOINT	POZMIX TY	@ <u></u> @ <u>দ</u> ়ত্তত	822.85
CEMENT LEFT IN CSG. All	GEL Y	<u> </u>	
DISPLACEMENT Coshinger	CHLORIDE	@	-
***************************************	ASC	@	
EQUIPMENT	+100cal 5	<u>5</u>	163.35
PUMPTRUCK CEMENTER STATE TOOL	_ Materials Tota	7 a	5<3/ 75
#366 HELPER Free March V	Disc.	@ <u>Z</u> _25	767.23
BULK TRUCK			
#6/6-170 DRIVER Britin Gray			
BULK TRUCK	5	ervice	
DRIVER /	HANDLING 236.95	<u> </u>	587, 73
	MILEAGE 9.88 X 22		<u>\$65, '≥</u>
REMARKS:	217.35		
Dr location-lique-had saftermosting	114.00		
#1-1590F+ 505KT #2-840-80 AH -305KS	de l'		
#2-840-80 AH -305KS	Direction to a		
14-60-20	DEPTH OF JOBPUMPTRUCK CHARGE	2713. 75	— ——
	EXTRA FOOTAGE	2213. <u>/</u>	
flundam & AM	MILEAGE HUM 22	@ <u>7.78</u>	169.80
flig down	MANIFOLD	@	
4		<u> </u>	56.80
CHARGE TO A MUICE LAS IN			
CHAROE ICHE LANGE			コノココ 製
STREET _ 7		TOTAL	3.434-
CITYSTATEZIP		20%	124.
	PLUG & FLO	AT EQUIPMEN	T.
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			1
done to satisfaction and supervision of owner agent or		[, NS	#X

PRINTED NAME Zach Dittrick SIGNATURE & JOHN Manky of

TOTAL CHARGES 7.168, 96

DISCOUNT 1. 433-72 (20/20/6)

5. 735. 17



Prepared For: American Warrior, Inc.

PO Box 399

Garden City, KS 67846

ATTN: Jason Alm

Elmer's #2-19

19-17s-21w Ness,KS

Start Date: 2014.05.20 @ 11:18:00 End Date: 2014.05.20 @ 18:33:15 Job Ticket #: 57008 DST #: 1

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

Printed: 2014.05.21 @ 11:16:15



American Warrior, Inc.

ATTN: Jason Alm

19-17s-21w Ness, KS

Reference Elevations:

Elmer's #2-19

Tester:

PO Box 399

Garden City, KS 67846

Job Ticket: 57008 DST#: 1

Test Start: 2014.05.20 @ 11:18:00

GENERAL INFORMATION:

Formation: Miss

Interval:

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

Time Tool Opened: 13:27:15 Time Test Ended: 18:33:15

Unit No: 75

Total Depth: 4346.00 ft (KB) (TVD)

7.88 inches Hole Condition: Poor KB to GR/CF: Hole Diameter: 6.00 ft

2259.00 ft (KB)

2253.00 ft (CF)

Jace Mckinny/ Justin

Serial #: 8675 Inside

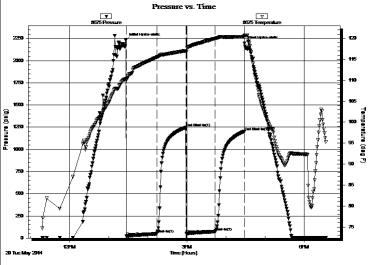
Press@RunDepth: 4343.00 ft (KB) 72.15 psig @ Capacity: 8000.00 psig

Start Date: 2014.05.20 End Date: 2014.05.20 Last Calib.: 2014.05.20 Start Time: 11:18:15 End Time: 18:33:15 Time On Btm: 2014.05.20 @ 13:26:15 Time Off Btm: 2014.05.20 @ 16:28:45

TEST COMMENT: Built to 2 1/4" blow

4334.00 ft (KB) To 4346.00 ft (KB) (TVD)

No return blow Built to 1 1/4" blow No return blow



	PRESSURE SUMMARY					
1	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
	0	2228.25	110.31	Initial Hydro-static		
	1	20.37	110.02	Open To Flow (1)		
	48	48.43	115.48	Shut-In(1)		
.	92	1245.14	117.01	End Shut-In(1)		
	93	51.78	116.73	Open To Flow (2)		
	138	72.15	119.92	Shut-In(2)		
	182	1202.47	120.41	End Shut-In(2)		
'	183	2196.70	120.69	Final Hydro-static		

Recovery

Description	Volume (bbl)
mcw 10%M 90%W with oil scum	0.29
mcw 40%M 60%W w ith oil scum	0.29
mcw o 20%M 40%W 40%O	0.14
	mcw 10%M 90%W w ith oil scum mcw 40%M 60%W w ith oil scum

Gas Rates			
	Choke (inches)	Pressure (neig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 57008 Printed: 2014.05.21 @ 11:16:16



American Warrior, Inc.

Garden City, KS 67846

19-17s-21w Ness, KS

Elmer's #2-19

PO Box 399

Job Ticket: 57008

DST#: 1

ATTN: Jason Alm

Test Start: 2014.05.20 @ 11:18:00

GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial) Time Tool Opened: 13:27:15 Tester: Jace Mckinny/ Justin

Time Test Ended: 18:33:15 Unit No: 75

Interval: 4334.00 ft (KB) To 4346.00 ft (KB) (TVD) Reference Elevations: 2259.00 ft (KB)

Total Depth: 4346.00 ft (KB) (TVD) 2253.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 6.00 ft

Serial #: 8650 Outside

Press@RunDepth: 4343.00 ft (KB) 8000.00 psig psig @ Capacity:

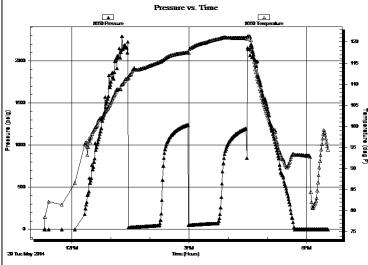
Start Date: 2014.05.20 End Date: 2014.05.20 Last Calib.: 2014.05.20

Start Time: 11:18:15 End Time: Time On Btm: 18:33:00

Time Off Btm:

TEST COMMENT: Built to 2 1/4" blow No return blow

Built to 1 1/4" blow No return blow



PRESSURE SUM	MARY
--------------	------

	TREGOGILE GOWNART						
	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
Temperature (deg F)							
Intu							
6							
9							

Recovery

Description	Volume (bbl)
mcw 10%M 90%W w ith oil scum	0.29
mcw 40%M 60%W w ith oil scum	0.29
mcw o 20%M 40%W 40%O	0.14
	mcw 10%M 90%W w ith oil scum mcw 40%M 60%W w ith oil scum

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Total Volume:

TOOL DIAGRAM

American Warrior, Inc.

Garden City, KS 67846

19-17s-21w Ness, KS

PO Box 399

Elmer's #2-19

Job Ticket: 57008

DST#: 1

ATTN: Jason Alm

Test Start: 2014.05.20 @ 11:18:00

Tool Information

Drill Collar:

Drill Pipe: Length: 4222.63 ft Diameter: Heavy Wt. Pipe: Length: 0.00 ft Diameter:

Length:

22.63 ft Diameter: 3.80 inches Volume: 0.00 ft Diameter: inches Volume:

3.80 inches Volume: 59.23 bbl inches Volume: 0.00 bbl 2.25 inches Volume: 0.57 bbl

59.80 bbl

Tool Weight: 25000.00 lb Weight set on Packer: 30000.00 lb Weight to Pull Loose: 83000.00 lb

Drill Pipe Above KB: 32.13 ft
Depth to Top Packer: 4334.00 ft

Tool Chased 0.00 ft
String Weight: Initial 62000.00 lb

Depth to Bottom Packer: ft Interval between Packers: 12.00 ft

Final 63000.00 lb

Tool Length: 39.50 ft

Number of Packers: 2 Diameter: 6.75 inches

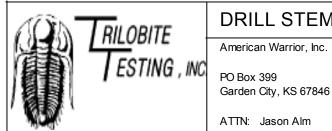
116.00 ft Diameter:

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4307.50		
Shut In Tool	5.00			4312.50		
Hydraulic tool	5.00			4317.50		
Jars	5.00			4322.50		
Safety Joint	2.50			4325.00		
Packer	5.00			4330.00	27.50	Bottom Of Top Packer
Packer	4.00			4334.00		
Stubb	1.00			4335.00		
Perforations	8.00			4343.00		
Change Over Sub	0.00			4343.00		
Recorder	0.00	8675	Inside	4343.00		
Recorder	0.00	8650	Outside	4343.00		
Drill Pipe	0.00			4343.00		
Change Over Sub	0.00			4343.00		
Perforations	0.00			4343.00		
Bullnose	3.00			4346.00	12.00	Bottom Packers & Anchor

Total Tool Length: 39.50

Trilobite Testing, Inc Ref. No: 57008 Printed: 2014.05.21 @ 11:16:16



FLUID SUMMARY

American Warrior, Inc. 19-17s-21w Ness, KS

PO Box 399

Elmer's #2-19

Job Ticket: 57008 DST#: 1

ATTN: Jason Alm Test Start: 2014.05.20 @ 11:18:00

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Cushion Length: Mud Weight: 10.00 lb/gal Water Salinity: 38000 ppm ft

Viscosity: 52.00 sec/qt Cushion Volume: bbl

Water Loss: 9.99 in³ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

Salinity: 4400.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
58.00	mcw 10%M 90%W w ith oil scum	0.285
58.00	mcw 40%M 60%W w ith oil scum	0.285
10.00	mcw o 20%M 40%W 40%O	0.140

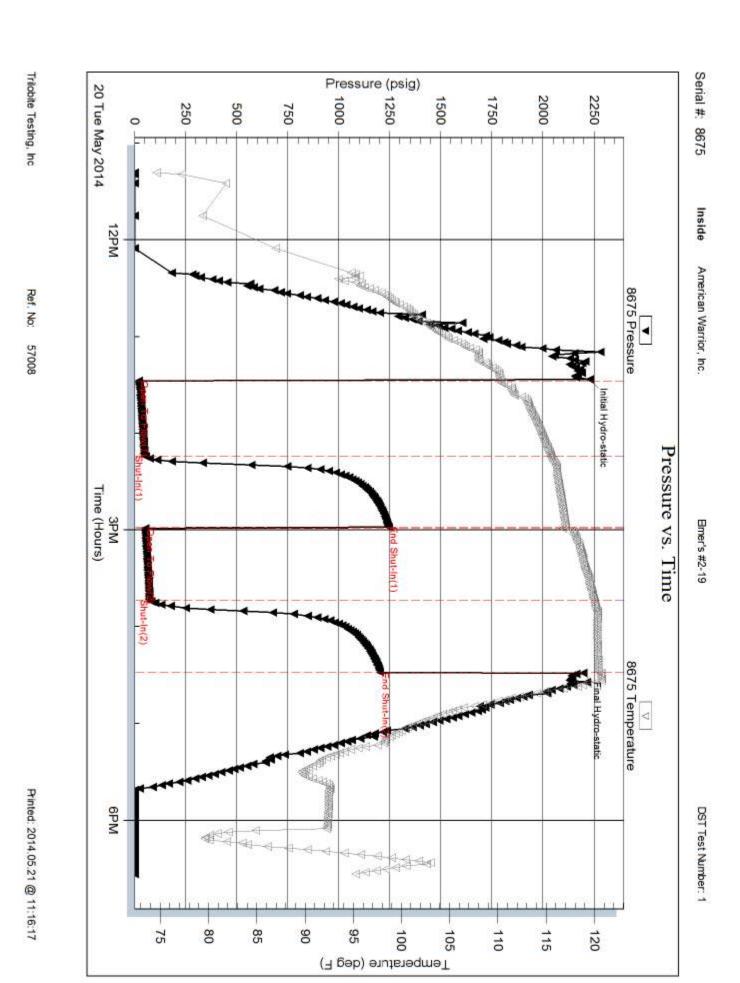
Total Length: 126.00 ft Total Volume: 0.710 bbl

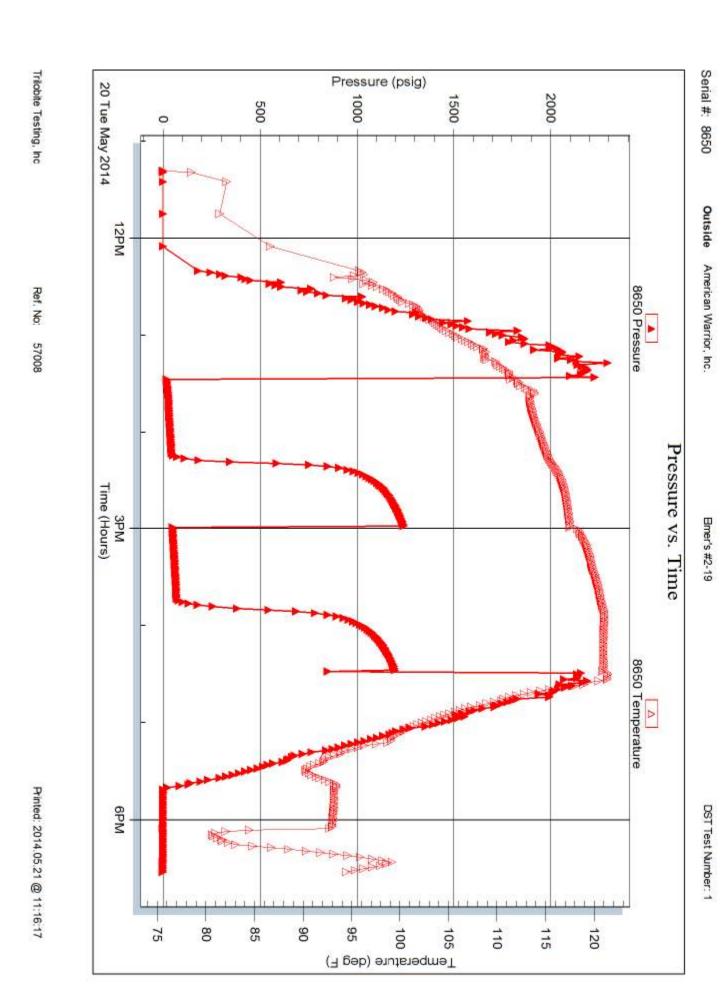
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .15 @ 90 F = 38,000

Trilobite Testing, Inc Ref. No: 57008 Printed: 2014.05.21 @ 11:16:16







Test Ticket

NO. 57008

ed or sustained, directly or indirectly, through the use of its

1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No. Test No. Date Elevation Co. Rep / Geo. Location: Sec. Twp. Rge. Co. State 4346 Miss Interval Tested Zone Tested 9,55 Anchor Length Drill Pipe Run Mud Wt. Top Packer Depth Drill Collars Run Vis Bottom Packer Depth Wt. Pipe Run -WL Total Depth Chlorides 4400 LCM ppm System Blow Description 4/10 %oil %mud %gas 40 %water Rec Feet of MI %gas %oil 2%mud %water Rec %oil Feet of M/W %gas %water %mud Rec %gas %oil %water %mud Feet of Rec %water %gas %oil %mud Feet of Rec F Chlorides 35 ppm BHT Gravity * Rec Total 1250 Test T-On Location (A) Initial Hydrostatic T-Started Jars 250 (B) First Initial Flow_ T-Open Safety Joint 75 (C) First Final Flow T-Pulled/lei26 Circ Sub (D) Initial Shut-In____ T-Out 18:33 ☐ Hourly Standby (E) Second Initial Flow Comments RT 90rt 139.50 (F) Second Final Flow _ (G) Final Shut-In ☐ Sampler (H) Final Hydrostatic_ ☐ Straddle □ Ruined Shale Packer □ Shale Packer □ Ruined Packer Initial Open Hh □ Extra Packer _ ☐ Extra Copies __ Initial Shut-In ☐ Extra Recorder _____ 0 Sub Total ☐ Day Standby _____ Final Flow Total 1714.50 ☐ Accessibility _ MP/DST Disc't Final Shut-In Sub Total 1714.50 Our Representative Approved By

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