

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

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: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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 / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	GANO 3-17
Doc ID	1317024

All Electric Logs Run

Induction
Porosity
Micro
Sonic

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	GANO 3-17
Doc ID	1317024

Tops

Name	Top	Datum
Heebner	3627	-591
Lansing	3674'	-638
B/KC	4182	1146
Marmaton	4206	-1170
Ft.Scott	4340	-1304
cherokee	4351	-1315
Morrow	4643	-1607
St.Gen	4788	-1752

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	GANO 3-17
Doc ID	1317024

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4823'to 4827'		



CHARGE TO:
American Warrior Inc

ADDRESS

CITY, STATE, ZIP CODE

TICKET 29543

PAGE 1 OF

SERVICE LOCATIONS 1. Hays Ks	WELL/PROJECT NO. # 3-17	LEASE GANO	COUNTY/PARISH Kearney	STATE Ks	CITY	DATE 7-8-16	OWNER
2. Ness City Ks	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR Duke Drilling Co	RIG NAME/NO. Rig # 1	SHIPPED VIA	DELIVERED TO Location	ORDER NO.	
3.	WELL TYPE Oil	WELL CATEGORY development	JOB PURPOSE Deep Surface	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE		AMOUNT	
		LOC	ACCT	DF									
575		1			MILEAGE TRK # 113	110	Mi			5	00	550	00
576 D		1			Pump Charge - Deep Surface	1	EA			1250	00	1250	00
290		1			D-Air	10	Gal			42	00	420	00
409		1			Charge Turbolizer	2	EA			95	00	190	00
412		1			Baffle Plate	1	EA			110	00	110	00
410		1			Top Plug	1	EA			120	00	120	00
194		1			Plug Container Rental	1	EA			200	00	200	00
330		2			Swift Multi Density	650	SKS			15	75	10237	50
276		2			Flocele	153	Lbs			2	25	344	25
281		2			Service Charge Cmt	650	SKS			1	50	975	00
283		2			Drayage	3360	TM			75		2520	00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X *Kenneth M. Stone*

DATE SIGNED _____ TIME SIGNED _____

A.M.
 P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				16916	75
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	17672.16

Kearney County TAX 6.5%

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR *David Edgerton*

APPROVAL _____

Thank You!

CUSTOMER American Warrior WELL NO. 3-17 LEASE Gano JOB TYPE Deep Surface TICKET NO. 29543

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	630							On location 8 7/8 csg 23 # RTD - 1714 Total Pipe - 1697' Shoe It - 42.18 Centralizers - 1 + 3
	730							Start Running Csg
	940							Break Circulation on BTM
	1030	6	10			300		circulation pump w/te spacer
		6	0			300		Start CRT @ 11.7 ppg
		6	71			200		Raise weight to 12.5 ppg
		6	186			200		Raise Wgt to 13.5
		6	216			200		Raise Wgt to 14.5
	1125	6	242			200		End CRT - Release plug pin
	1130	7	0			200		Start Disp / Circ CRT
		7	42			300		Catch CRT
	1145	7	105			600		land plug - lift psi - 600psi land pi - 1000 psi
						1000		Start in * 150 sks circ to pit
								Thanks David, Jon, Austin & Isaac



CHARGE TO: American Warrior
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET 29578

PAGE 1 OF 2

SERVICE LOCATIONS 1. Ness City, KS WELL/PROJECT NO. 3-17 LEASE GAND COUNTY/PARISH Kearney STATE KS CITY Lakin DATE 19 Jul 16 OWNER
 2. TICKET TYPE SERVICE SALES CONTRACTOR RIG NAME/NO. SHIPPED VIA CT DELIVERED TO Location ORDER NO.
 3. WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Cement log string WELL PERMIT NO. WELL LOCATION 17-25-36
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE TRK 114	110	mi			5.00	550.00
578		1			Pump Charge	1	ea			1250.00	1250.00
402		1			Centralizer	5 1/2	in	10	ea	60.00	600.00
403		1			Cement Basket	5 1/2	in	1	ea	250.00	250.00
406		1			Latch down plug & baffle	5 1/2	in	1	ea	225.00	225.00
407		1			Insert float shoe w/ auto fill	5 1/2	in	1	ea	300.00	300.00

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED TIME SIGNED A.M. P.M. 1:05

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				3175.00
WE UNDERSTOOD AND MET YOUR NEEDS?				5656.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				8831.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				389.94
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL 9221.79
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 29578

CUSTOMER American Warrior WEL SAND 3-17 DATE 19 Jul 16 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT						
		LOC	ACCT	DF			QTY	U/M	QTY	U/M								
325		1				standard cement	175	sk			12.25	2143.75						
283		1				salt	18	%	1700	lb	0.20	340.00						
279		1				Bentonite gel	3	sk	300	lb	25.00	75.00						
285		1				CFR.			100	lb	4.50	450.00						
286		1				halad-1			100	lb	8.00	800.00						
276		1				Flocele			25	lb	2.25	56.25						
281		1				mud flush	500	gal			1.25	625.00						
221		1				KCH liquid	2	gal			25.00	50.00						
290		1				D-4IR	2	gal			42.00	84.00						
581		1				SERVICE CHARGE					1.50	262.50						
583		1				MILEAGE CHARGE					0.75	770.34						
											TOTAL WEIGHT	18675	LOADED MILES	110	TON MILES	1027.13		

CONTINUATION TOTAL 5656.84

JOB LOG

SWIFT Services, Inc.

DATE 7/16/16 PAGE NO.

CUSTOMER American Warrior WELL NO. 377 LEASE GARD JOB TYPE cement long string TICKET NO. 29578

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk standard cement w/ salt & gel
								5 1/2 x 17# casing 118 jts 5023'
								shaft 22' Basket #3
								Centralizer 1, 2, 4, 5, 6, 7, 9, 11, 13, 16
	1012							on loc TRK 114
	1015							start 5 1/2" x 17# casing in well
	1248							Drop ball - circulate
	1330	5	12				200	Pump 500 gal mud flush
		5	20				200	Pump 20 bbl KCl flush
			9					Plug RH - MH 30 sk - 20 sk
	1343	5	32				200	Mix STD cement 135 sk - @ 17.9 pp
								Drop latch down plug
								wash out Pump & Line
	1400	5 3/4					200	Displace plug
		5 3/4	88				400	
		5 3/4	110				650	
	1430	5 3/4	116				1500	land plug
	1433							Release pressure to truck - dried up
	1435							wash truck
								Rack up
	1505							job complete
								Thanks
								Art Blaine, #1544



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc
 PO BOX 399
 Garden City, KS 67846
 ATTN: Kevin Timson

17 25s 36w Kearney Ks
Gano #3-17
 Job Ticket: 6533 **DST#: 1**
 Test Start: 2016.07.12 @ 13:15:00

GENERAL INFORMATION:

Formation: **LKC A-E**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 15:39:15
 Tester: Bradley Walter
 Time Test Ended: 21:43:30
 Unit No: 78
Interval: 3682.00 ft (KB) To 3809.00 ft (KB) (TVD)
 Reference Elevations: 3036.00 ft (KB)
 Total Depth: 3809.00 ft (KB) (TVD)
 3025.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 11.00 ft

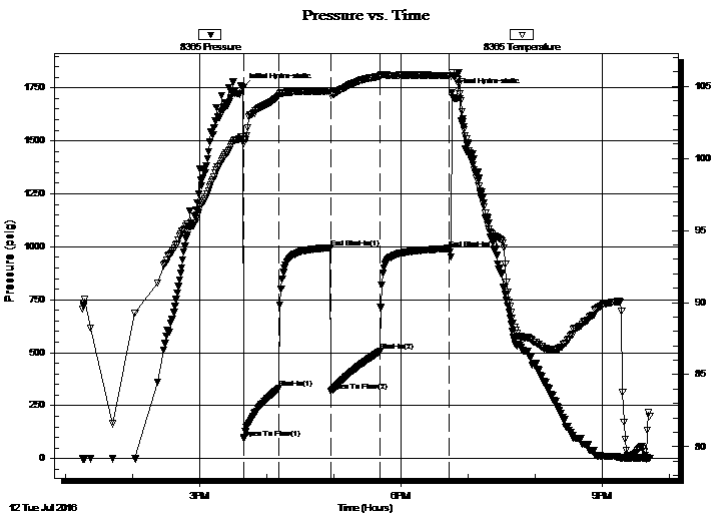
Serial #: 8365

Inside

Press@RunDepth: 505.44 psig @ 3683.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.07.12 End Date: 2016.07.12 Last Calib.: 2016.07.12
 Start Time: 13:15:05 End Time: 21:43:29 Time On Btm: 2016.07.12 @ 15:38:45
 Time Off Btm: 2016.07.12 @ 18:45:45

TEST COMMENT: IF: BOB @ 3 min.
 IS: No return.
 FF: BOB @ 6 min.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1751.16	101.52	Initial Hydro-static
1	95.76	101.01	Open To Flow (1)
32	332.17	104.36	Shut-In(1)
79	995.82	104.68	End Shut-In(1)
79	318.70	104.39	Open To Flow (2)
123	505.44	105.69	Shut-In(2)
185	991.79	105.74	End Shut-In(2)
187	1728.27	105.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
365.00	somcw 5o 5m 90w	3.53
590.00	gmocw 25g 30m 20o 25w	8.28
175.00	ocm 30o 70m	2.45

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc
PO BOX 399
Garden City, KS 67846
ATTN: Kevin Timson

17 25s 36w Kearney Ks
Gano #3-17
Job Ticket: 6533 **DST#: 1**
Test Start: 2016.07.12 @ 13:15:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 32000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4300.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

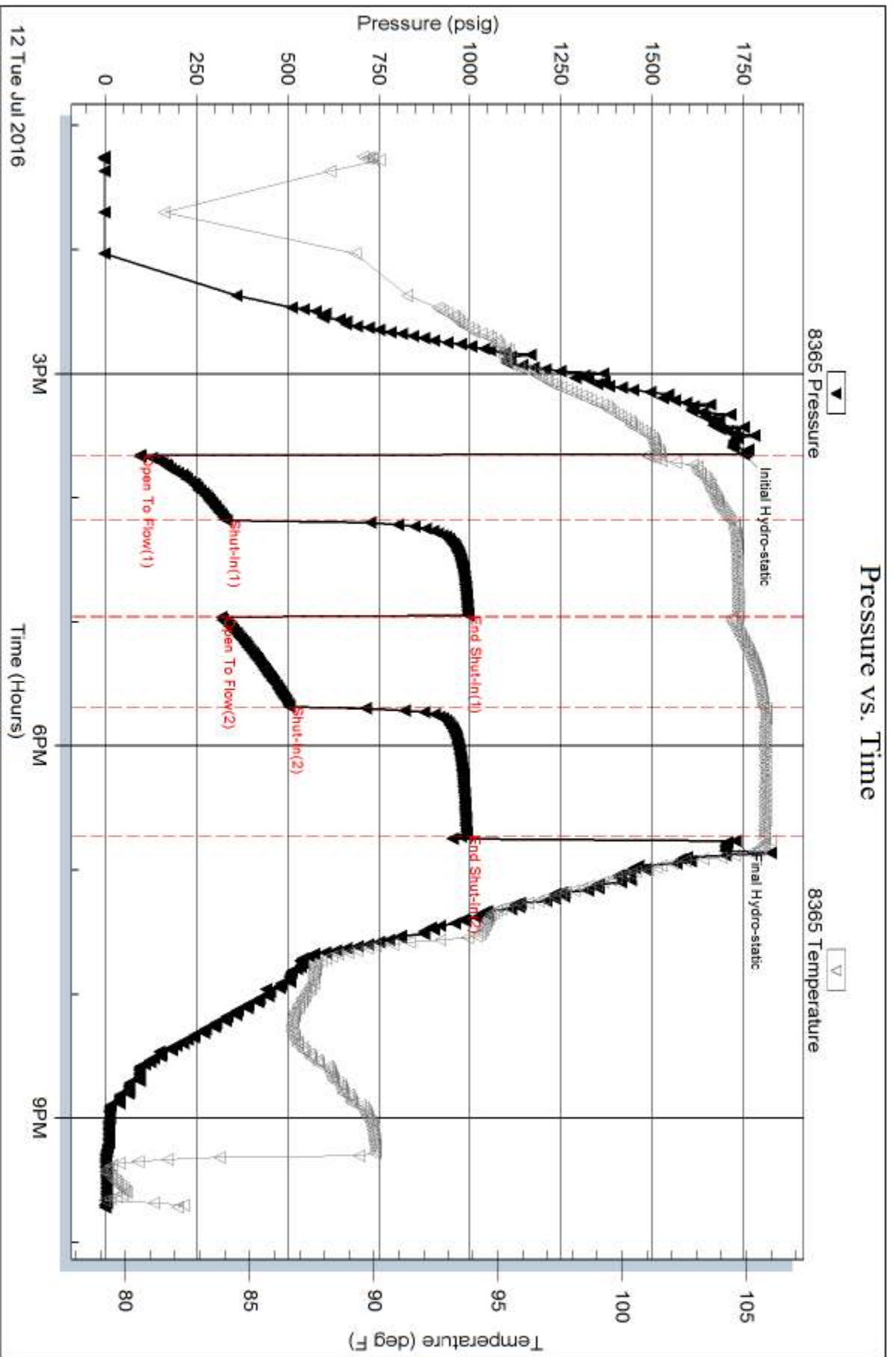
Length ft	Description	Volume bbl
365.00	somcw 5o 5m 90w	3.526
590.00	gmocw 25g 30m 20o 25w	8.276
175.00	ocm 30o 70m	2.455

Total Length: 1130.00 ft Total Volume: 14.257 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: rw is .205 @ 75F = 32,000ppm

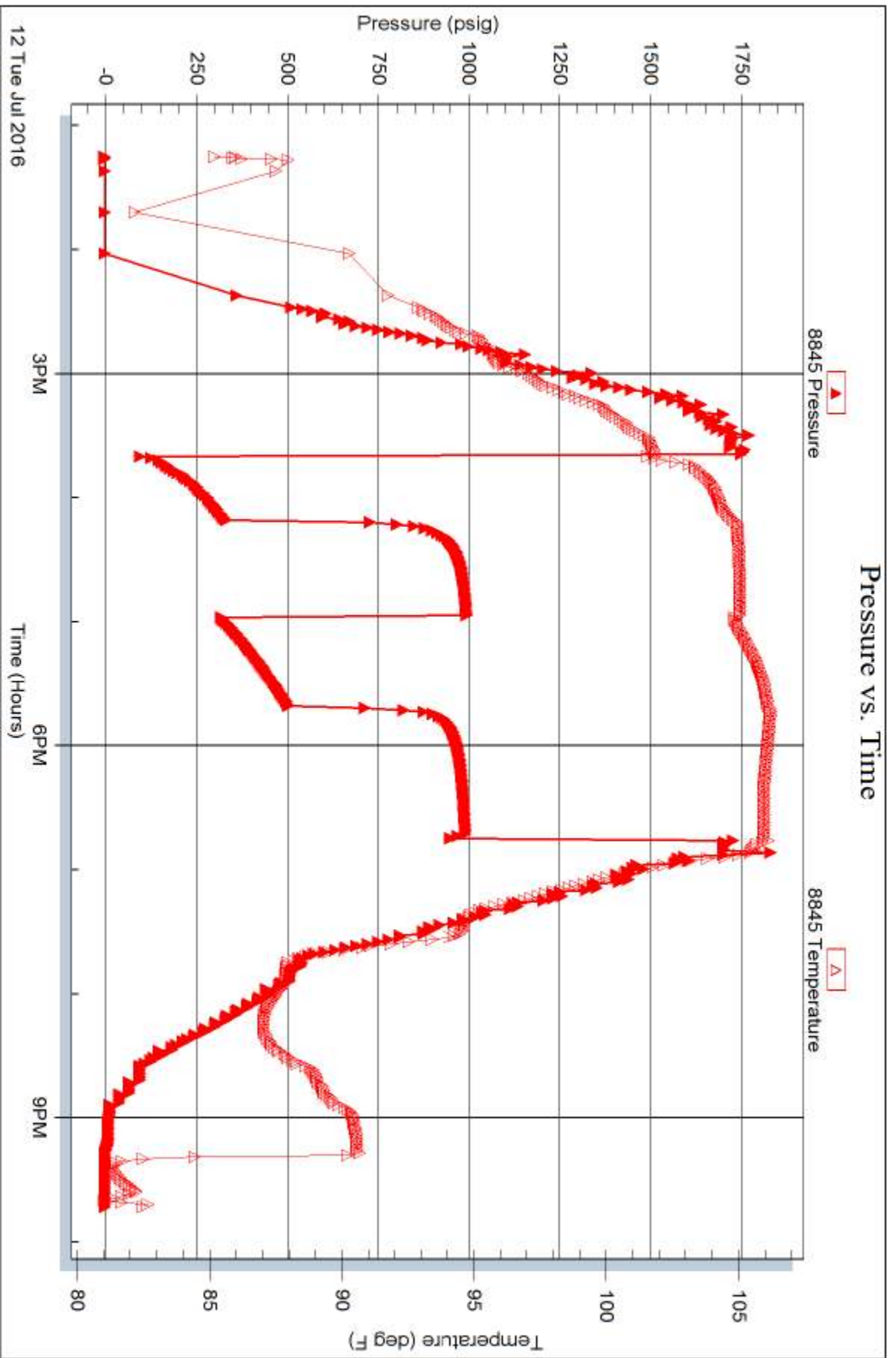


Serial #: 8845

Outside American Warrior, Inc

Gano #3-17

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 6533

Printed: 2016.07.12 @ 22:26:29

Geological Report

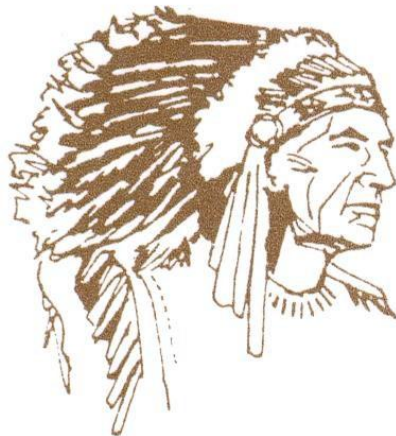
American Warrior, Inc.

Gano #3-17

1512' FSL & 2603' FEL

Sec 17, T25s, R36w

Kearny County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Gano #3-17
1512' FSL & 2603' FEL
Sec. 17, T25s, R36w
Kearny County, Kansas
API # 15-093-21943-00-00

Drilling Contractor: Duke Drilling Co. Rig #1

Geologist: Kevin Timson

Spud Date: July 7, 2016

Completion Date: July 19, 2016

Elevation 3025' G.L.
3036' K.B.

Directions: From Lakin, KS. Go South on Hwy 25 3 miles. Go West on Rd 26 1.7 miles. Go one mile South on Rd R. West into.

Casing: 1697' 8 5/8" #24 Surface Casing
5023' 5 1/2" #17 Production Casing

Samples: 3550' to RTD 10' Wet

Drilling Time: 3550' to RTD

Electric Logs: Pioneer Energy
Services "D.Schmidt" Full Sweep

Drillstem Tests: 4 Trilobite Testing "Bradley Walter"

Problems: None

Formation Tops

Gano #3-17

Sec. 17, T25s, R36w

1512' FSL & 2603' FEL

Heebner	3627' -591
Lansing	3674' -638
Stark	4018' -982
Bkc	4182' -1146
Marmaton	4206' -1170
Fort Scott	4340' -1304
Cherokee	4351' -1315
Morrow	4643' -1607
St. Gen	4788' -1752
RTD	5050' -2014
LTD	5048' -2012

Lansing 'D' (3792' -756): Covered in DST #1
Ls. Tan. Med crystalline. Fair to good oomoldic porosity. Good stain.
Good saturation. Show of free oil. Bright yellow stream cut. 80 unit kick.

Altamont 'B' (4247' -1211): Covered in DST #3
Ls. Tan. Sub crystalline. Fair oomoldic and fair oolycastic porosity. Poor
to fair intercrystalline porosity. Good stain. Good saturation. Show of free oil. Good odor.
Bright yellow full cut. 305 unit kick.

St. Louis 'C' (4916' -1880:): Not Tested
Ls. Off white. Sub crystalline. Fair oomoldic and fair oolycastic porosity.
Fair to good stain. Fair saturation. Show of free oil when broken. Fair odor. Bright yellow full
cut when broken. 100 unit kick.

Drill Stem Tests
Trilobite Testing "Bradley Walter"

DST #1

Lansing 'D'

Interval (3682'-3809') Anchor Length 127'

IHP	-1751 #	
IFP	-30" - BOB in 3 min	96-332#
ISI	-45" - No Return	996#
FFP	-45" - BOB in 6 min	319-505#
FSIP	-60" - No Return	992#
FHP	-1728#	
BHT	-106° F	
Recovery:	175' OCM (30% Oil)	
	590' GMOCW (20% Oil)	
	365' SMOCW (5% Oil)	

DST #2

Lansing 'F'

Interval (3834'-3850') Anchor Length 16'

IHP	-1820#	
IFP	-30" - BOB in 2 min	99-532#
ISI	-45" - No Return	1080#
FFP	-45" - BOB in 3 min	539-869#
FSIP	-60" - No Return	1080#
FHP	-1770#	
BHT	-109° F	
Recovery:	1920' SMCW	

DST #3

Altamont Lwr 'B'

Interval (4248'-4263') Anchor Length 15'

IHP	-2131#	
IFP	-30" - BOB in 45 sec	166-418#
ISI	-45" - BOB in 6 min	1186#
FFP	-30" - BOB instantly GTS 15 min	449-654#
FSIP	-60" - BOB in 5 min	1186#
FHP	-2113#	
BHT	-115° F	
Recovery:	2580' GO (65% Oil) Gravity: 37	

DST #4

Morrow

Interval (4630'-4795') Anchor Length 165'

IHP	-2315#	
IFP	-30" - 1/2" blow died in 15 min	32-48#
ISI	-30" - No Return	97#
FFP	-30" - WSB died in 2 min	48-67#
FSIP	-30" - No Return	95#
FHP	-2304#	
BHT	-115°	
Recovery:	40' Mud with oil spots	

Structural Comparison

	American Warrior, Inc.		McConathy Oil & Gas		Pan American Petro Corp
	Gano #3-17		Gano #17-1		Campbell #1
	Sec 17, T25s, R36w		Sec 17, T25s, R36w		Sec 18, T25s, R36w
Formation	1512' FSL & 2603' FEL		2310' FSL & 660' FEL		4620' FSL & 660' FEL
Heebner	3627' -591	+20	3631' -611	FL	3627' -591
Lansing	3674' -638	+16	3684' 654	+2	3676' -640
Stark	4018' -982	+24	4037' -1006	-1	4017' -981
BKc	4182' -1146	+22	4198' -1168	+4	4186' -1150
Marmaton	4206' -1170	+25	4225' -1195	+6	4212' -1176
Pawnee	4307' -1271	+24	4325' -1295	FL	4307' -1271
Fort Scott	4340' -1304	+20	4354' -1324	+1	4341' -1305
Cherokee	4351' -1315	+19	4364' -1334	+2	4353' -1317
Morrow	4643' -1607	+14	4651' -1621	-5	4638' -1602
St. Genieve	4788' -1752	+24	4806' -1776	-14	4774' -1738

Summary

The location for the Gano #3-17 well was found via 3-D seismic survey. The new well ran structurally as expected. Four drill stem tests were conducted, one of which recovered commercial quantities of oil from the Altamont B formation. After all the gathered data had been examined, the decision was made to run 5 ½" production casing to further evaluate the Gano #3-17 well.

Perforations:

Primary:	St. Louis C Lwr	(4951'-4955')	Not Tested
	St. Louis C	(4918'-4924')	Not Tested
	St. Louis A	(4823'-4827')	Not Tested
	Altamont B	(4248'-4263')	DST #3
Secondary:	Altamont A	(4228'-4231')	Not Tested
	Lansing K	(4030'-4034')	Not Tested
	Lansing E	(3817'-3821')	Not Tested
	Lansing D	(3793'-3799')	DST #1
	Lansing C	(3764'-3768')	DST #1
Before Abd.	Fort Scott	(4345'-4347')	Not Tested

Respectfully Submitted,

Kevin Timson

