

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
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------

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	Kaufman 1-30
Doc ID	1349640

All Electric Logs Run

Induction
Porosity
Micro
Sonic

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Kaufman 1-30
Doc ID	1349640

Tops

Name	Top	Datum
Anhy	1474	+691
B/Anhy	1523	+642
Topeka	3186	-1021
Heebner	3426	-1261
Toronto	3448	-1283
Lansing	3467	-1302
B/KC	3721	-1556
Marmaton	3757	-1592
Arbuckle	3804'	-1639

Summary of Changes

Lease Name and Number: Kaufman 1-30

API/Permit #: 15-051-26826-00-00

Doc ID: 1349640

Correction Number: 1

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved Date	05/24/2016	03/23/2017
Date of First or Resumed Production or SWD or Enhr Producing Method Flowing	No	05/04/2016 Yes
Producing Method Pumping	No	Yes
Save Link	../..//kcc/detail/operatorEditDetail.cfm?docID=1307474	../..//kcc/detail/operatorEditDetail.cfm?docID=1349640



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1307474
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

CONFIDENTIAL 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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	-----------------------------------------

API No. 15 - _____

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



CHARGE TO: *American Warrior*

ADDRESS:

CITY, STATE, ZIP CODE:

TICKET 28801

PAGE 1 OF 1

SERVICE LOCATIONS 1. <i>Hays, Ks</i>	WELL/PROJECT NO. <i>1-30</i>	LEASE <i>Kaufmann</i>	COUNTY/PARISH <i>Ellis</i>	STATE <i>Ks.</i>	CITY	DATE <i>4-11-16</i>	OWNER <i>Same</i>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>Discovery Drilling Rig #3</i>	RIG NAME/NO.	SHIPPED VIA <i>CIT</i>	DELIVERED TO <i>Loc</i>	ORDER NO.	
3.	WELL TYPE <i>Oil</i>	WELL CATEGORY <i>Development</i>	JOB PURPOSE <i>Cont. 8 5/8" Surface Csg.</i>	WELL PERMIT NO.	WELL LOCATION <i>Sec 36-19"-22^s</i>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
<i>575</i>		<i>1</i>			<i>MILEAGE #111</i>	<i>20</i>	<i>mil</i>			<i>5.00</i>	<i>100</i>	<i>.00</i>
<i>5765</i>		<i>1</i>			<i>Pump Service</i>	<i>1</i>	<i>ea</i>			<i>800.00</i>	<i>800</i>	<i>.00</i>
<i>290</i>		<i>1</i>			<i>O-Air</i>	<i>2</i>	<i>gal</i>			<i>42.00</i>	<i>84</i>	<i>.00</i>
<i>581</i>		<i>1</i>			<i>Service Charge</i>	<i>150</i>	<i>sk</i>			<i>1.50</i>	<i>225</i>	<i>.00</i>
<i>583</i>		<i>1</i>			<i>Drayage</i>	<i>447.5</i>	<i>TON miles</i>			<i>.25</i>	<i>335</i>	<i>.63</i>
<i>325</i>		<i>1</i>			<i>Standard Cement</i>	<i>150</i>	<i>sk</i>			<i>12.25</i>	<i>1,837</i>	<i>.50</i>
<i>279</i>		<i>1</i>			<i> Bentonite</i>	<i>3</i>	<i>sk</i>			<i>25.00</i>	<i>75</i>	<i>.00</i>
<i>278</i>		<i>1</i>			<i>Calcium Chloride</i>	<i>7</i>	<i>sk</i>			<i>40.00</i>	<i>280</i>	<i>.00</i>

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 *John Doble*

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?				<i>3737</i>	<i>13</i>
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				<i>Ellis County TAX 7.0%</i>	<i>159 36</i>
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL	<i>3896 49</i>
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

SWIFT OPERATOR *[Signature]* APPROVAL _____

Thank You!



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

TICKET 28836

PAGE 1 OF

1. SERVICE LOCATIONS <u>Hays Ks</u>	WELL/PROJECT NO. <u>1-30</u>	LEASE <u>Kaufman</u>	COUNTY/PARISH <u>Ellis</u>	STATE <u>Ks</u>	CITY	DATE <u>4-17-16</u>	OWNER
2. <u>Ness City Ks</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Discovery Drilling</u>	RIG NAME/NO. <u>Rig 3</u>	SHIPPED VIA	DELIVERED TO <u>location</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Long String</u>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE TRK # 111	20		Mi		5 ⁰⁰	100	00
578		1			pump charge - long string	1		EA		1250 ⁰⁰	1250	00
290		1			D-Air	2		GAL		42 ⁰⁰	84	00
281		1			MudFlush	500		GAL		1 ²⁵	625	00
221		1			liquid KCL	2		GAL		25 ⁰⁰	50	00
402		1			Centralizer	7		EA	5 1/2	60 ⁰⁰	420	00
403		1			Cement Basket	2		EA		250 ⁰⁰	500	00
404		1			Port Collar	1		EA		2500 ⁰⁰	2500	00
406		1			latch down plug & baffle	1		EA		225 ⁰⁰	225	00
407		1			Insert float shoe w/ auto fill	1		EA		300 ⁰⁰	300	00
419		1			Rotating Head Rental	1		EA		200 ⁰⁰	200	00

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

x John Schler
 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	
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				P.1 PAGE TOTAL
WE UNDERSTOOD AND MET YOUR NEEDS?				P.2
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Total
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Ellis TAX CO. 7.0%
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL

6254⁰⁰
 4168⁶⁵
 10422⁶⁵
 595⁷¹
 11018³⁶

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!



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

TICKET CONTINUATION

TICKET No. 28836

CUSTOMER American Warrior WEIL Kaufman 1-30 DATE 4-17-16 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		2				STANDARD CMT	175	SKS			12 25	2143	75
284		2				Calsteel	8	SKS			30 00	240	00
283		2				Salt	947	lbs			20	189	40
292		2				Halad 322	123	lbs			8 00	984	00
276		2				Flocele	44	lbs			2 25	98	00
281		2				SERVICE CHARGE CMT					1 50	262	50
282		2				MILEAGE CHARGE					250 00	250	00

CONTINUATION TOTAL 4168.65

JOB LOG

SWIFT Services, Inc.

DATE 4-17-16 PAGE NO.

CUSTOMER American Warrior WELL NO. 1-30 LEASE Kaufman JOB TYPE Long String TICKET NO. 28836

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	200							On location w/ Float Equip 5 1/2 Csg RTD - 3915' Pipe - 3913' insert - 3870'
								Centralizers - 1, 3, 5, 7, 9, 11 & 59 Baskets - 6 & 60 Port Collar - 60
	315							START Running Csg
	515							Break Circ on Bottom
	540	2	7			0		plug Rat Hole - 30 sfs
	545	2	4			0		plug Mouse Hole - 15 sfs
			12			300		pump mud flush 500 GAL
	550	5	20			300		pump Kcl Spacer
	555	5	0			300		START CMT
	610	5	31			0		END CMT
								Drop plug / wash pt L
	620	6	0			200		START Disp
	630	6	70			400		Catch CMT
	635	5	92			1500		land plug - lift psi - 800# land psi - 1500
								Job Complete Thanks David, Austin, & SHANE



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

TICKET 28840

PAGE 1 OF

SERVICE LOCATIONS 1. Hays Ks	WELL/PROJECT NO. 1-30	LEASE Kaufman	COUNTY/PARISH Ellis	STATE Ks	CITY	DATE 4-28-16	OWNER
2. Ness City Ks	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR Express Well Service	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO Location	ORDER NO.	
3.	WELL TYPE Oil	WELL CATEGORY Development	JOB PURPOSE Port Collar	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF									
575		1			MILEAGE TRK # 111	20	Mi			5	00	100	00
576 D		1			Pump Charge - Port Collar	1	EA			1250	00	1250	00
290		1			D-Air	2	Gal			42	00	84	00
105		1			Port Collar Tool Rental w/ MAN	1	EA			275	00	275	00
330		2			Swift Multi Density Standard	175	Sks			15	75	2756	25
276		2			Floccle	40	Lbs			2	25	90	00
					Service Charge Cement	175	Sks			1	50	262	50
					Minimum Drayage Charge	1	EA			250	00	250	00

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

X
 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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
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			

PAGE TOTAL	5067	75
TAX 7%	231	37
TOTAL	5299	12

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!

JOB LOG

SWIFT Services, Inc.

DATE 4-28-16 PAGE NO.

CUSTOMER American Warrior WELL NO. 1-30 LEASE Kaufman JOB TYPE Port Collar TICKET NO. 28840

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1230							On location
								5 1/2 x Port Collar - 1420'
	100							1500 pressure test p.c. - Good open p.c.
		2.5				700		check for blow on Ann.
	105	4.5	0			700		START CMT @ 11.2 PPG
		4.5	65			100		Raise CMT weight to 14 PPG
		4.5	70			0		End CMT
		4.5	3			0		Disp
	125							1500 Close p.c. & TEST - Good
	130							Run 5 Joints
	140	3	15					Reverse out
								* 125 SKS to circ CMT - 5 SKS to pit
	145							Job Complete
								Thanks David E. Austin & Preston



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

PO Box 399
Garden City, KS 67846

ATTN: Cecil O'Brate, Jason

Kaufman #1-30

30-13s-19w Ellis, KS

Start Date: 2016.04.15 @ 19:35:42

End Date: 2016.04.16 @ 00:20:36

Job Ticket #: 65456 DST #: 1

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

Printed: 2016.04.18 @ 10:41:47



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc

30-13s-19w Ellis, KS

PO Box 399
Garden City, KS 67846

Kaufman #1-30

Job Ticket: 65456

DST#: 1

ATTN: Cecil O'Brate, Jason

Test Start: 2016.04.15 @ 19:35:42

GENERAL INFORMATION:

Formation: **LKC I-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:33:52

Time Test Ended: 00:20:36

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 77

Interval: 3616.00 ft (KB) To 3695.00 ft (KB) (TVD)

Total Depth: 3695.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2165.00 ft (KB)

2157.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8018 Inside

Press@RunDepth: 27.38 psig @ 3627.00 ft (KB)

Start Date: 2016.04.15

End Date:

2016.04.16

Start Time: 19:35:42

End Time:

00:20:36

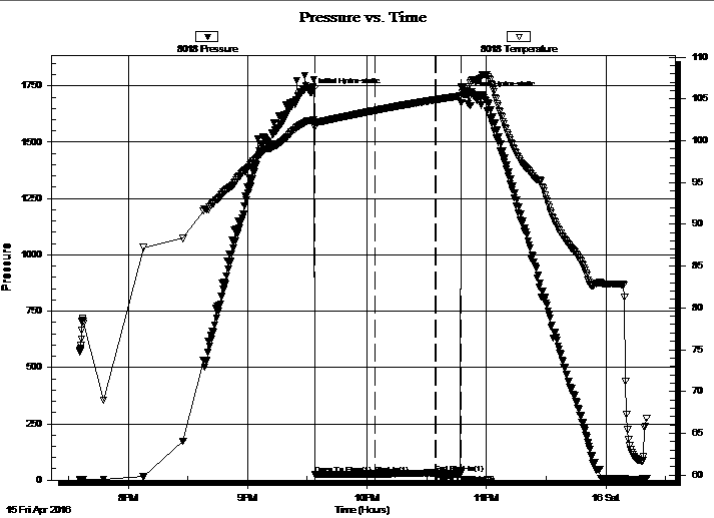
Capacity: 8000.00 psig

Last Calib.: 2016.04.16

Time On Btm: 2016.04.15 @ 21:32:07

Time Off Btm: 2016.04.15 @ 22:50:37

TEST COMMENT: 30-IFP-surface bl, died in 20 min
30-ISIP-no bl
10-FFP-no bl, pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1720.09	102.44	Initial Hydro-static
2	25.87	101.57	Open To Flow (1)
32	27.38	103.62	Shut-In(1)
62	32.16	104.89	End Shut-In(1)
63	26.65	104.89	Open To Flow (2)
75	27.52	105.36	Shut-In(2)
79	1708.05	105.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc

30-13s-19w Ellis, KS

PO Box 399
Garden City, KS 67846

Kaufman #1-30

Job Ticket: 65456

DST#: 1

ATTN: Cecil O'Brate, Jason

Test Start: 2016.04.15 @ 19:35:42

Tool Information

Drill Pipe:	Length: 3583.00 ft	Diameter: 3.80 inches	Volume: 50.26 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 50.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3616.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.00 ft			
Tool Length:	100.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3596.00	
Shut In Tool	5.00			3601.00	
Hydraulic tool	5.00			3606.00	
Packer	5.00			3611.00	21.00 Bottom Of Top Packer
Packer	5.00			3616.00	
Stubb	1.00			3617.00	
Perforations	10.00			3627.00	
Recorder	0.00	8018	Inside	3627.00	
Recorder	0.00	8700	Outside	3627.00	
Blank Spacing	65.00			3692.00	
Bullnose	3.00			3695.00	79.00 Bottom Packers & Anchor

Total Tool Length: 100.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc

30-13s-19w Ellis, KS

PO Box 399
Garden City, KS 67846

Kaufman #1-30

Job Ticket: 65456

DST#: 1

ATTN: Cecil O'Brate, Jason

Test Start: 2016.04.15 @ 19:35:42

Mud and Cushion Information

Mud Type: Air	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.96 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

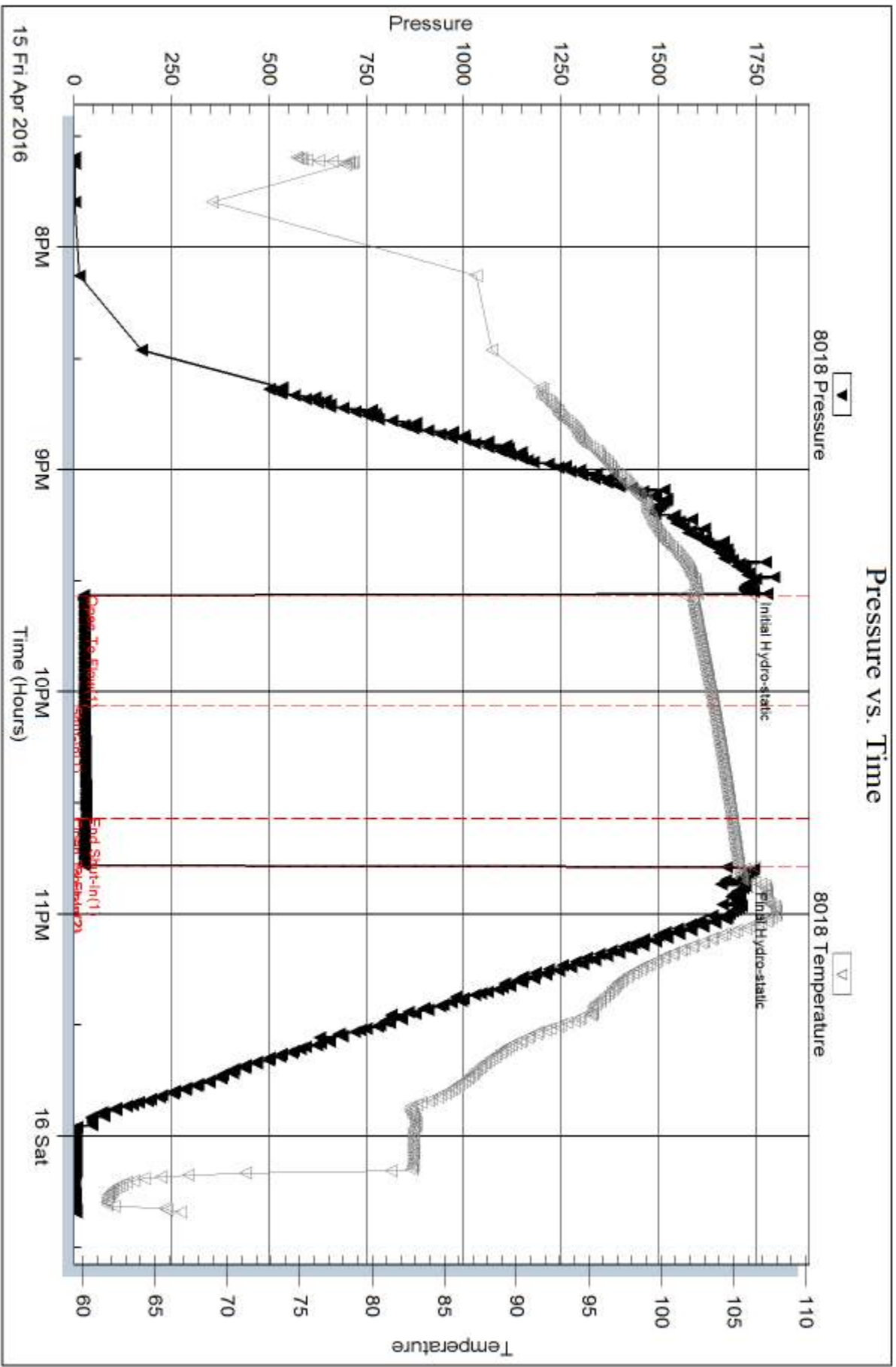
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

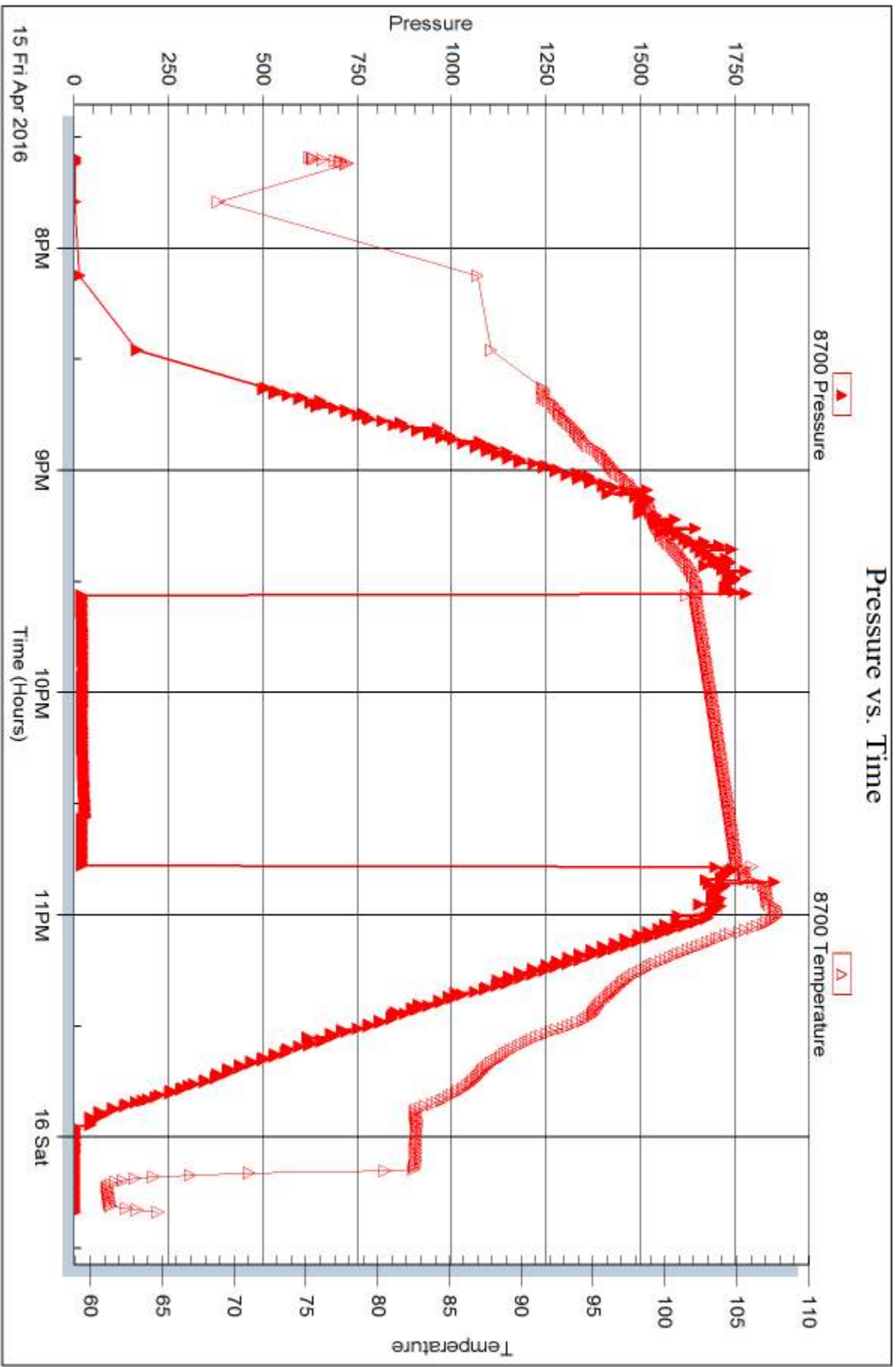


Serial #: 8700

Outside American Warrior, Inc

Kaufman #1-30

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 65456

Printed: 2016.04.18 @ 10:41:50



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

PO Box 399
Garden City, KS 67846

ATTN: Cecil O'Brate, Jason

Kaufman #1-30

30-13s-19w Ellis, KS

Start Date: 2016.04.16 @ 12:30:47

End Date: 2016.04.16 @ 18:17:26

Job Ticket #: 65457 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.04.18 @ 10:39:52



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc

30-13s-19w Ellis, KS

PO Box 399
Garden City, KS 67846

Kaufman #1-30

Job Ticket: 65457

DST#: 2

ATTN: Cecil O'Brate, Jason

Test Start: 2016.04.16 @ 12:30:47

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:20:42

Time Test Ended: 18:17:26

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 77

Interval: 3778.00 ft (KB) To 3825.00 ft (KB) (TVD)

Reference Elevations: 2165.00 ft (KB)

Total Depth: 3825.00 ft (KB) (TVD)

2157.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8018

Inside

Press@RunDepth: 275.38 psig @ 3789.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.04.16

End Date:

2016.04.16

Last Calib.:

2016.04.16

Start Time: 12:30:47

End Time:

18:17:26

Time On Btm:

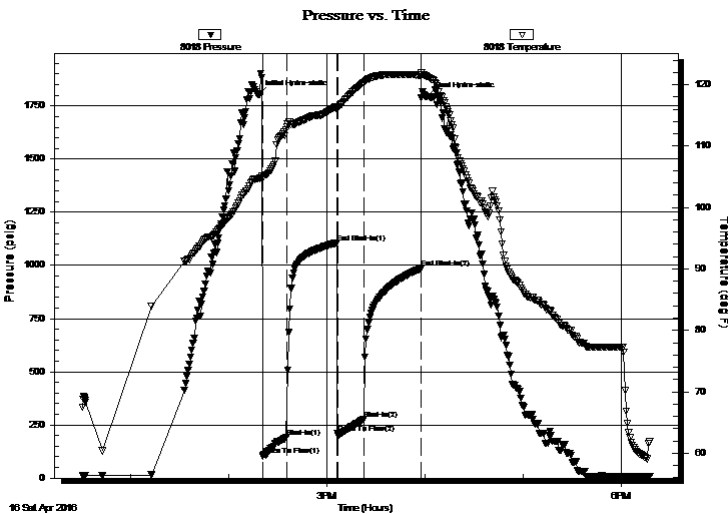
2016.04.16 @ 14:18:12

Time Off Btm:

2016.04.16 @ 16:01:12

TEST COMMENT: 15-IFP-strg bl in 2 min
30-ISIP-surface bl bk
15-FFP-strg bl in 4 min
30-FSIP-1" bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1803.76	104.69	Initial Hydro-static
3	108.57	104.74	Open To Flow (1)
18	193.65	113.16	Shut-In(1)
48	1105.15	116.43	End Shut-In(1)
49	211.76	115.97	Open To Flow (2)
65	275.38	120.28	Shut-In(2)
100	986.06	121.54	End Shut-In(2)
103	1794.27	121.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	124' GIP	0.00
62.00	OCMW 10%O10%M80%W	0.60
190.00	MGO 10%G40%M50%O	2.67
124.00	MGO20%G20%M60%O	1.74
250.00	CO	3.51

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc

30-13s-19w Ellis, KS

PO Box 399
Garden City, KS 67846

Kaufman #1-30

Job Ticket: 65457

DST#: 2

ATTN: Cecil O'Brate, Jason

Test Start: 2016.04.16 @ 12:30:47

Tool Information

Drill Pipe:	Length: 3741.00 ft	Diameter: 3.80 inches	Volume: 52.48 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 52.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3778.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3758.00	
Shut In Tool	5.00			3763.00	
Hydraulic tool	5.00			3768.00	
Packer	5.00			3773.00	21.00 Bottom Of Top Packer
Packer	5.00			3778.00	
Stubb	1.00			3779.00	
Perforations	10.00			3789.00	
Recorder	0.00	8018	Inside	3789.00	
Recorder	0.00	8700	Outside	3789.00	
Blank Spacing	33.00			3822.00	
Bullnose	3.00			3825.00	47.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc

30-13s-19w Ellis, KS

PO Box 399
Garden City, KS 67846

Kaufman #1-30

Job Ticket: 65457

DST#: 2

ATTN: Cecil O'Brate, Jason

Test Start: 2016.04.16 @ 12:30:47

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	124' GIP	0.000
62.00	OCMW 10%O10%M80%W	0.596
190.00	MGO 10%G40%M50%O	2.665
124.00	MGO20%G20%M60%O	1.739
250.00	CO	3.507

Total Length: 626.00 ft Total Volume: 8.507 bbl

Num Fluid Samples: 0

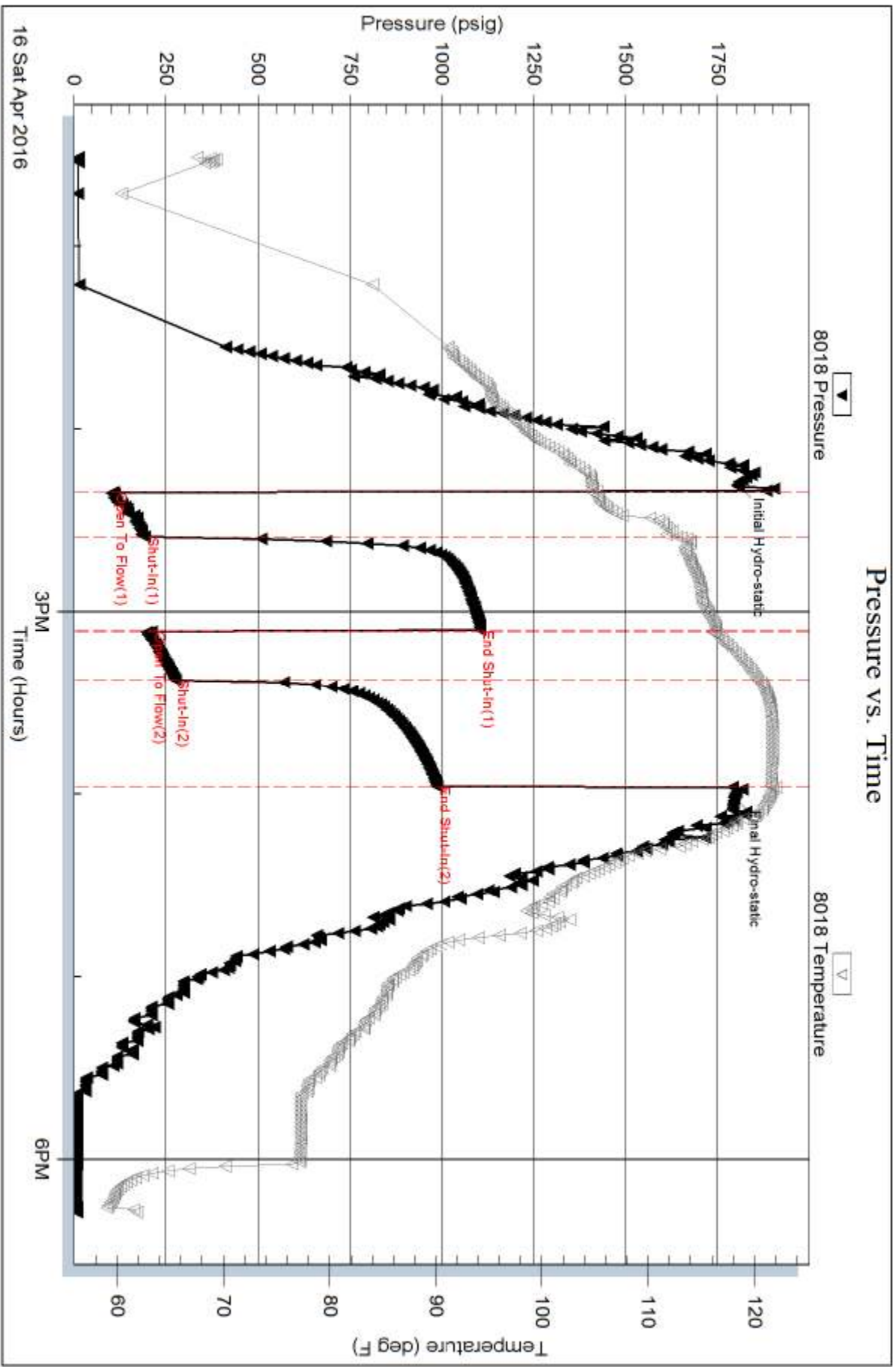
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .24@65F

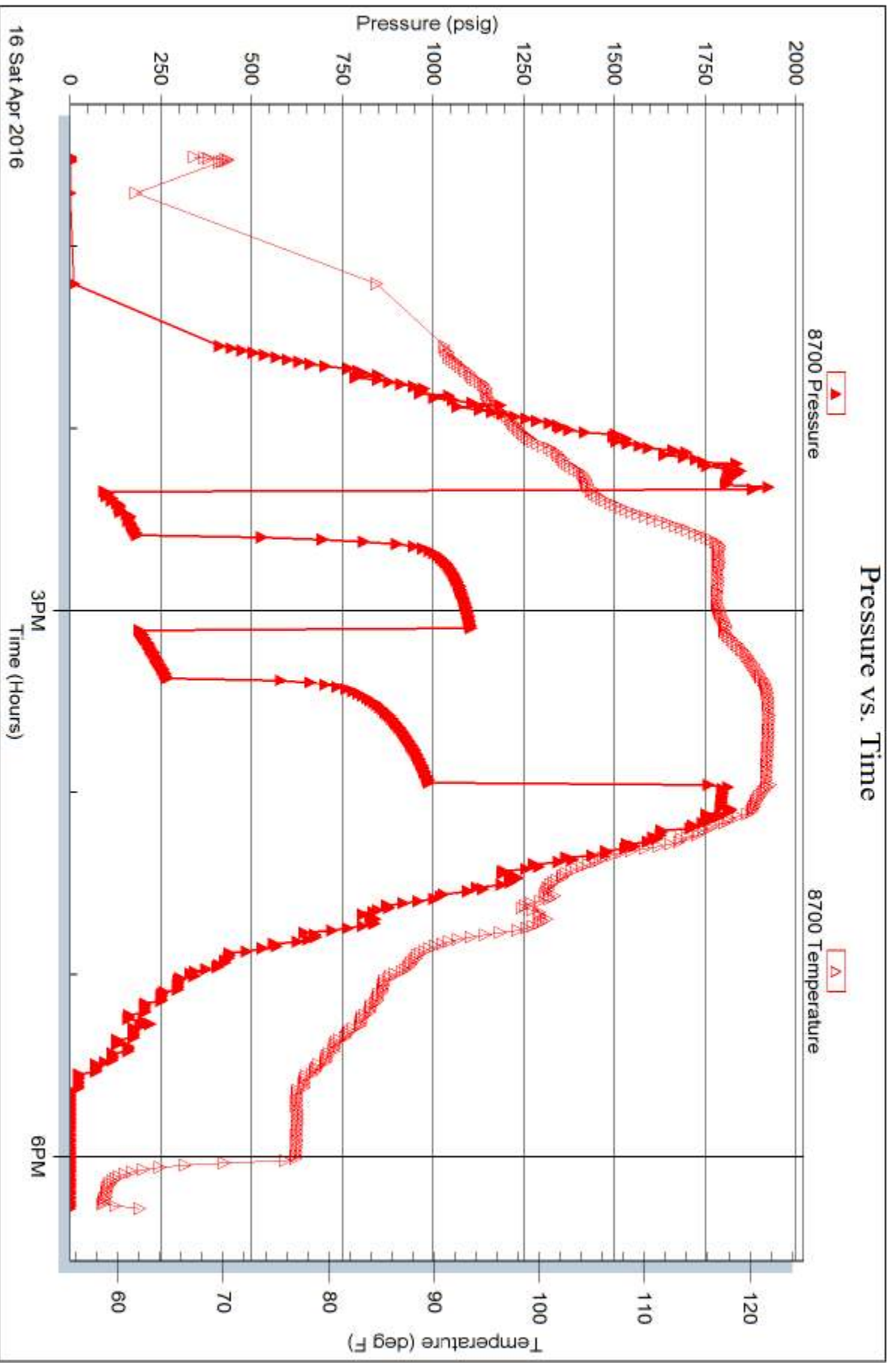


Serial #: 8700

Outside American Warrior, Inc

Kaufman #1-30

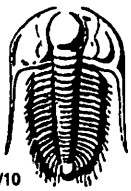
DST Test Number: 2



Tribble Testing, Inc

Ref. No: 65457

Printed: 2016.04.18 @ 10:39:53



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65456

Well Name & No. KAUFMAN #1-30 Test No. 1 Date 4-15-16
 Company AMERICAN WARRIOR, Inc Elevation 2165 KB 2157 GL
 Address 3118 Cummings Rd. PO Box 399 Garden City, Ks 67846
 Co. Rep / Geo. JASON ALM Rig DISCOVERY rig 3
 Location: Sec. 30 Twp. 13^s Rge. 19^w Co. ELLIS State Ks

Interval Tested 3616-3695 Zone Tested LKC I-K₀
 Anchor Length 79 Drill Pipe Run 3583 Mud Wt. 9
 Top Packer Depth 3611 Drill Collars Run 30 Vis 52
 Bottom Packer Depth 3616 Wt. Pipe Run - WL 8
 Total Depth 3695 Chlorides 5000 ppm System LCM 2 1/2 #
 Blow Description TFP - surface Blow, died in 20 min
ISTP - NO Blow
FFP - NO Blow
ESTP -

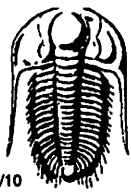
Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Mud</u>				

Rec Total 2 BHT 105 Gravity - API RW - @ - °F Chlorides - ppm
 (A) Initial Hydrostatic 1720 Test 1050 T-On Location 1830
 (B) First Initial Flow 25 Jars _____ T-Started 1935
 (C) First Final Flow 27 Safety Joint _____ T-Open 2130
 (D) Initial Shut-In 32 Circ Sub _____ T-Pulled 2240
 (E) Second Initial Flow 26 Hourly Standby _____ T-Out 0020
 (F) Second Final Flow 27 Mileage 32 RT 24 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 1708 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1074 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In out

Approved By _____ Our Representative Ray Schwager Thank you

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65457

Well Name & No. Kaufman #1-30 Test No. 2 Date 4-16-16
 Company AMERICAN WARRIOR, INC Elevation 2165 KB 2157 GL
 Address 3118 Cummings Rd, PO Box 399 Garden City, Ks 67846
 Co. Rep / Geo. Jason Alm Rig Discovery rig 3
 Location: Sec. 30 Twp. 13^s Rge. 19^w Co. Ellis State Ks

Interval Tested 3778-3825 Zone Tested Arbuckle
 Anchor Length 47 Drill Pipe Run 3741 Mud Wt. 9.1
 Top Packer Depth 3773 Drill Collars Run 30 Vis 52
 Bottom Packer Depth 3778 Wt. Pipe Run — WL 8.8
 Total Depth 3825 Chlorides 6500 ppm System LCM 2#
 Blow Description IFP - STRONG BLOW IN 2 MIN
ISTP - SURFACE BLOW BACK
FFP - STRONG BLOW IN 4 MIN
FSIP - 1" BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>GIP</u>				
<u>190</u>	<u>MGO</u>	<u>10</u>	<u>50</u>	<u>40</u>	<u>40</u>
<u>124</u>	<u>MGO</u>	<u>20</u>	<u>60</u>	<u>20</u>	<u>20</u>
<u>250</u>	<u>CO</u>				
<u>62</u>	<u>OCMW</u>	<u>10</u>	<u>80</u>	<u>10</u>	<u>10</u>

Rec Total 626 BHT 121 Gravity 37 API RW .24 @ 65° F Chlorides 30000 ppm

(A) Initial Hydrostatic 1803 Test 1050 T-On Location 1145
 (B) First Initial Flow 108 Jars _____ T-Started 1230
 (C) First Final Flow 193 Safety Joint _____ T-Open 1420
 (D) Initial Shut-In 1105 Circ Sub _____ T-Pulled 1550
 (E) Second Initial Flow 211 Hourly Standby _____ T-Out 1817
 (F) Second Final Flow 275 Mileage 32 RT 24 Comments _____
 (G) Final Shut-In 986 Sampler _____
 (H) Final Hydrostatic 1794 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 15 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 15 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1074
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1074

Approved By _____ Our Representative Ray Schwager *Thank you*

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Geological Report

Kaufman #1-30
2166' FSL & 2157' FWL
Sec. 30 T13s R19w
Ellis County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Kaufman #1-30
2166' FSL & 2157' FWL
Sec. 30 T13s R19w
Ellis County, Kansas
API # 15-051-26826-0000

Drilling Contractor: Discovery Drilling Co. Inc. Rig #3

Geologist: Jason T Alm

Spud Date: April 11, 2016

Completion Date: April 17, 2016

Elevation: 2157' Ground Level
2165' Kelly Bushing

Directions: Yocemento KS, West 3.5 mi. on Hwy 40, South 2.5
mi. East into location.

Casing: 225' 8 5/8" surface casing
3913' 5 1/2" production casing

Samples: 10' wet and dry, 3150' to RTD

Drilling Time: 3100' to RTD

Electric Logs: Pioneer Energy Services "Dan Schmidt"
CNL/CDL, DIL, MEL, BHCS

Drillstem Tests: Two, Trilobite Testing, Inc. "Ray Schwager"

Problems: None

Remarks: None

Formation Tops

Formation	American Warrior, Inc. Kaufman #1-30 Sec. 30 T13s R19w 2166' FSL & 2157' FWL
Anhydrite	1474', +691
Base	1523', +642
Topeka	3186', -1021
Heebner	3426', -1261
Toronto	3448', -1283
Lansing	3467', -1302
BKC	3721', -1556
Marmaton	3757', -1592
Arbuckle	3804', -1639
LTD	3914', -1749
RTD	3915', -1750

Sample Zone Descriptions

- LKC “J” zone** (3650’, -1485): **Covered in DST #1**
 Ls – Fine crystalline, oolitic with poor to fair oomoldic and scattered oolitic porosity, light to fair oil stain with light spotted saturation, slight show of free oil, light odor, fair yellow fluorescents.
- LKC “K” zone** (3670’, -1505): **Covered in DST #1**
 Ls – Fine to sub-crystalline, oolitic with scattered poor oomoldic porosity, light spotted oil stain, slight show of free oil, very light odor, dull yellow fluorescents.
- Marmaton** (3757’, -1592): **Not Tested**
 Ls – Δ – Fine to sub-crystalline with very scattered vugular porosity, few pcs with tarry stain, chert – orange to light gray to white with scattered poor vugular porosity, light scattered tarry stain, no show of free oil, no odor, no fluorescents.
- Arbuckle** (3804’, -1639): **Covered in DST #2**
 Ls – Fine to medium rhombic and sucrosic crystalline with fair inter-crystalline and vuggy porosity, light to fair oil stain with light spotted saturation, slight show of free oil when broken, light to fair odor, fair yellow fluorescents.

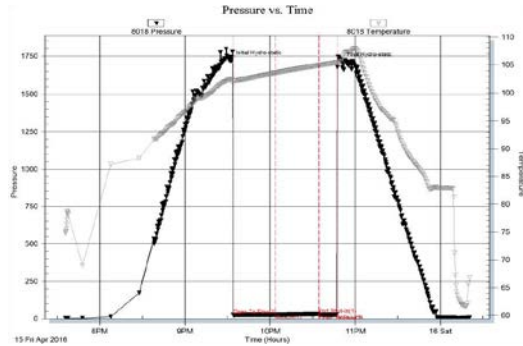
Trilobite Testing, Inc.
 “Ray Schwager”

DST #1 LKC I thru K zones

Interval (3616’ – 3695’) Anchor Length 79’

- IHP – 1720 #
- IFP – 30” – W.S.B. 25-27 #
- ISI – 30” – Dead 32 #
- FFP – 10” – Dead 26-28 #
- FHP – 1708 #
- BHT – 105°F

Recovery: 2’ Mud

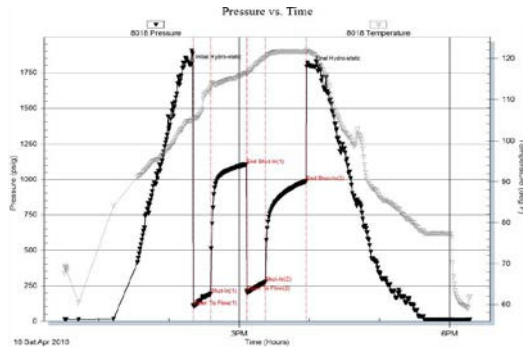


DST #2 Arbuckle

Interval (3778’ – 3825’) Anchor Length 47’

- IHP – 1804 #
- IFP – 15” – B.O.B. 2 min. 108-194 #
- ISI – 30” – W.S.B. 1105 #
- FFP – 15” – B.O.B. 4 min. 211-275 #
- FSI – 30” – Built to 1 in. 986 #
- FHP – 1794 #
- BHT – 121°F

Recovery: 124’ GIP
 250’ GCO 37° API
 124’ MGO 60% Oil
 190’ MGO 50% Oil
 62’ OCMW 10% Oil, 80% Water



Structural Comparison

	American Warrior, Inc. Kaufman #1-30 Sec. 30 T13s R19w 2166' FSL & 2157' FWL	Stickle Drilling Martin #1 Sec. 30 T13s R19w 2310' FNL & 2310' FEL		Texas Company Mary Orth Sec. 30 T13s R19w SE SW SW	
Formation					
Anhydrite	1474', +691	NA	NA	NA	NA
Base	1523', +642	NA	NA	NA	NA
Topeka	3186', -1021	NA	NA	NA	NA
Heebner	3426', -1261	3478', -1295	(+34)	3443', -1249	(-12)
Toronto	3448', -1283	3505', -1322	(+39)	3466', -1272	(-11)
Lansing	3467', -1302	3522', -1339	(+37)	3486', -1292	(-10)
BKC	3721', -1556	NA	NA	3741', -1547	(-9)
Marmaton	3757', -1592	3822', -1639	(+47)	NA	NA
Arbuckle	3804', -1639	3938', -1755	(+116)	3821', -1627	(-12)

Summary

The location for the Kaufman #1-30 was found via 3-D seismic survey. The new well ran structurally slightly lower than expected via the survey. Two Drill Stem Tests were conducted one of which recovered commercial amounts of oil from the Arbuckle Formation. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the Kaufman #1-30 well.

Recommended Perforations

Primary:		
Arbuckle	3806' – 3816'	DST #2
Before Abandonment:		
Marmaton	3760' – 3774'	Not Tested

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.