

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)</i> <i>(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	WEBER 2-7
Doc ID	1331910

Tops

Name	Top	Datum
Anhy	1477	+675
B/Anhy	1523	+629
Heebner	3425	-1273
Lansing	3466	-1294
B/KC	3708	-1556
Marmaton	3760	-1608
Cong	3787	-1635
Arbuckle	3824	-1672

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	WEBER 2-7
Doc ID	1331910

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3786'to 3806		



CHARGE TO: AMERICAN WARRIOR INC.
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET 29863

PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>NESS CITY, KS</u>	WELL/PROJECT NO. <u>2-7</u>	LEASE <u>WEBER</u>	COUNTY/PARISH <u>ELLIS</u>	STATE <u>KS</u>	CITY	DATE <u>12-12-16</u>	OWNER <u>SAME</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>DISCOVERY DRUG #2</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>LOCATON</u>	ORDER NO.	
3.	WELL TYPE <u>OIL</u>	WELL CATEGORY <u>DEVELOPMENT</u>	JOB PURPOSE <u>8 5/8" SURFACE</u>	WELL PERMIT NO.	WELL LOCATION <u>E/ELLIS, KS</u>		
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 # 111	20		MI		5.00	100	00
5765		1			PUMP CHARGE	1		JOB	231	8.00	800	00
325		1			STANDARD CEMENT	150		SD		12.25	1837	50
278		1			CALCIUM CHLORIDE	7		SKS		40.00	280	00
279		1			BENTONITE GEL	3		SKS		25.00	75	00
290		1			D-ADR	2		GAL		42.00	84	00
581		1			SERVICE CHARGE CEMENT	150		SKS		1.50	225	00
582		1			MINIMUM DRAINAGE CHARGE	14750		LBS	295	250.00	250	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
 DATE SIGNED 12-12-16 TIME SIGNED 2000 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	3651.50
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?				ELLIS CO TAX 7.0% 159.36	
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	3810.86
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

JOB LOG

SWIFT Services, Inc.

DATE 12-12-16 PAGE NO. 1

CUSTOMER American Warrior Inc WELL NO. 2-7 LEASE WEBER JOB TYPE 8 5/8" SURFACE TICKET NO. 29863

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2000							ON LOCATION - PULPING D.P.
								TD-231'
								TP-231'
								SET=231'
								8 5/8 - 28 #
								15' CEMENT LEFT IN CASING
	2035							BREAK CIRCULATION
	2050	6	36.3		✓		200	MIX CEMENT - 150 SKS 2% GEL, 3% CC
	2057	6	0		✓		225	DISPLACE CEMENT
	2100		13.5				150	CEMENT DISPLACED - SHUT IN
								CIRCULATED 20 SKS CEMENT TO PET
								WASH TRUCK
	2200							JOB COMPLETE
								THANK YOU WAYNE, AUSTIN, JOHN J.



CHARGE TO: **AMERICAN WARRIOR**
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET 30092

PAGE 1 OF 2

1. SERVICE LOCATIONS Ness City, KS	WELL/PROJECT NO.	LEASE WEBER 2-7	COUNTY/PARISH ELLIS	STATE KS	CITY ELLIS, KS.	DATE 18 DEC 16	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR DISCOVERY DRILLING RIG	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.		
3. WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 5 1/2 LONG STRING	WELL PERMIT NO.	WELL LOCATION 4E, 12N, E FUTO			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			U/M			
575					MILEAGE #115	20	mi	5.00		100.00
578					Pump CHARGE	1	JOB	1250.00		1250.00
402					CENTRALIZERS	7	EA.	60.00		420.00
403					CEMENT BASKET	1	EA.	250.00		250.00
404					PORT COLLAR	1	EA.	2500.00		2500.00
406					LATCH DOWN PLUG & BAFFLE	1	EA.	225.00		225.00
407					INSERT FLOAT SHOE W/FILL	1	EA.	300.00		300.00
419					ROTATING HEAD RENTAL	1	JOB	200.00		200.00
281					MUD FLUSH	500	gal	1.25		625.00
221					KCL	2	gal	25.00		50.00

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

x *[Signature]*
 DATE SIGNED **19 DEC 16** TIME SIGNED **0100** 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	1520 5920.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					4286.36
WE UNDERSTOOD AND MET YOUR NEEDS?					10206.36
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Ellis Co. TAX 7.0%	582.33
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	10788.63
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

JOB LOG

SWIFT Services, Inc.

DATE 18 Dec 16 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE WEBER 2-7

JOB TYPE 5 1/2 LONGSTRING

TICKET NO. 30092

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900							ON LOCATION
	2020							START PIPE - 5 1/2 - 15.5' B RTD @ 3910 SET @ 3905 SHOE JT @ 18' CENTRALIZERS 1, 3, 5, 7, 9, 11, 43 BASKET. 44 PORT COLLAR # 44 @ 2115
	2239				✓			DROP BALL - CIRCULATE
	2332	6	12		✓	400		Pump 500 gal mud FLUSH
		6	20		✓	400		Pump 20 BBL RCL SPACER
	2340		7.5					PLUG RH - 30sx, MH - 20sx
	2350	4 1/2	30		✓			MIX 125sx EA-2
	0002							WASH OUT Pump & LINES
	0006	6			✓			START DISPLACING PLUG.
	0021	8	92 1/2		✓	1500		PLUG DOWN LATCH PLUG IN
	0024				✓			RELEASE PSI - DRY
	0030							WASH TRUCK
	0100							JOB COMPLETE
								THANKS # 115
								JASON DAVE PRESTON



CHARGE TO:
AMERICAN WARRIOR
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 29524

PAGE 1 OF 1

SERVICE LOCATIONS 1. Hays Ks	WELL/PROJECT NO. 2-7	LEASE WEBER	COUNTY/PARISH ELLIS	STATE Ks	CITY	DATE 1-3-17	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.	UM	QTY.	UM	UNIT PRICE		AMOUNT	
		LOC	ACCT	DF									
575		1			MILEAGE TRK # 111	15	Mi			5	00	75	00
576 D		1			PUMP CHARGE - PORT COLLAR	1	EA			1250	00	1250	00
290		1			D-AIR	5	GAZ			42	00	210	00
105		1			PORT COLLAR TOOL RENTAL w/man	1	EA			275	00	275	00
330		2			SWIFT Multi Density	225	SKS			15	75	3543	75
276		2			FLUKE	56	Lbs			2	25	126	00
281		2			SERVICE CHARGE CMT	225	SKS			1	50	337	50
282		2			DRAYAGE (30 MILES) MINIMUM	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	PAGE TOTAL	6067	25
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?				Ellis Co. TAX 7.0%	290	83
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	6358	08
<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 **DAVID EGERTON** APPROVAL _____

Thank You!

CUSTOMER: American Warrior WELL NO.: 2-7 LEASE: Weber JOB TYPE: Port Collar TICKET NO.: 29524

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1200							On location
								2 3/8 x 5 1/2 Port Collar - 2117'
	1210						1500	Test TOOLS - Hold Open port Collar
	1215	5	125				800	pump CMT - 225 sbs e 11.2 - Did NOT Circ CMT 40 SURFACE
	1215	5	7				800	Disp CMT Close Port Collar
							1500	TEST Port COLLAR - Hold Run 5 JOINTS
	105	3	12				300	Reverse out
								WASH TAP
								THANKS DAVID, AUSTIN & PRESTON



CHARGE TO:
American Warrior

ADDRESS

CITY, STATE, ZIP CODE

TICKET 29935

PAGE 1 OF

1. SERVICE LOCATIONS Hays Ks	WELL/PROJECT NO. 2-7	LEASE Weber	COUNTY/PARISH Ellis	STATE Ks	CITY	DATE 1-11-17	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 LOCATON	ORDER NO.	
3.	WELL TYPE O:1	WELL CATEGORY development	JOB PURPOSE Perf SQZ to Circ CMT to 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	80	Mi			5	60	100	00
577		1			Pump Charge - Shallow SQZ	1	EA			800	00	800	00
290		1			D-AIR	3	Gal			42	00	126	00
288		1			SAND - (20/40)	2	SKS			22	00	44	00
325		2			STANDARD CMT	100	SKS			12	25	1225	00
278		2			CALCIUM CHLORIDE	4	SKS			40	00	160	00
581		2			SERVICE Charge CMT	175	SKS			1	50	262	50
583		2			DRYHOLE (40 miles)	339	YTH			75		254	25

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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	2971	95
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?				Ellis Co TAX	108	85
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL	3080	60
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						

JOB LOG

SWIFT Services, Inc.

DATE 1-12-17 PAGE NO.

CUSTOMER American Warrior WELL NO. 2-7 LEASE Weber JOB TYPE Vert SOZ - Circ CMT TICKET NO. 29935

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							On location
								5 1/2 x 2 3/8 perf - 500' RBP - 580 Pkr to SOZ - 388 (112')
	1135					1000		Test TOOLS @ 562
	1145		1.5			0		Spot Sand
	1205							Pull pkr to 388
	1210						500	Pressure up BACKSIDE
		3	0			400		TAKE INJ RATE
	1215	3	0			400		START CMT @ 15.5 ppq
		3	18			400		Circ CMT - 100 SKS to Circ.
		1.5	18			500		SHUT ANN VALVES & SOZ
			20					SHUT DOWN & WASH P/L
		.5	0			400		START DISP
	1245	.5	2.5			500		SHUT IN & STAGE
	145		2.5			300		Pressure up - Pumping into
	215		2.5					Release psi - Dry
	225	2	10			150		Reverse OUT
								Pull 2 JOINTS
	240					100		Pressure up & Shut in
								Thanks David, Jon & Isaac



DRILL STEM TEST REPORT

Prepared For: **American Warrior Co Inc**

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate , Jaso

Weber 2-7

7-13s-19w Ellis,KS

Start Date: 2016.12.16 @ 20:35:33

End Date: 2016.12.17 @ 04:05:27

Job Ticket #: 64079 DST #: 1

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

Printed: 2016.12.19 @ 13:31:45



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Co Inc

7-13s-19w Ellis,KS

PO Box 399
Garden City KS 67846

Weber 2-7

Job Ticket: 64079

DST#: 1

ATTN: Cecil O'Brate , Jaso

Test Start: 2016.12.16 @ 20:35:33

GENERAL INFORMATION:

Formation: **Toronto-LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:33:43

Time Test Ended: 04:05:27

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 77

Interval: 3424.00 ft (KB) To 3515.00 ft (KB) (TVD)

Reference Elevations: 2152.00 ft (KB)

Total Depth: 3515.00 ft (KB) (TVD)

2144.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8018 Inside

Press@RunDepth: 147.77 psig @ 3428.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.12.16 End Date: 2016.12.17

Last Calib.: 2016.12.17

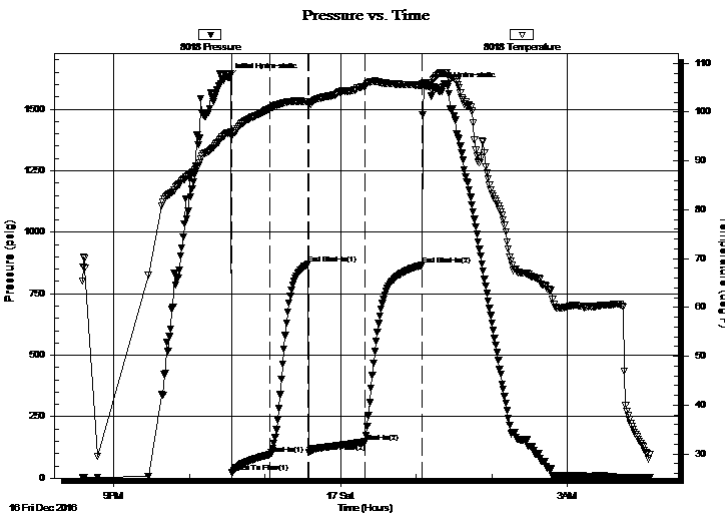
Start Time: 20:35:33 End Time: 04:05:27

Time On Btm: 2016.12.16 @ 22:31:13

Time Off Btm: 2016.12.17 @ 01:09:42

TEST COMMENT: 30-IFP-w k bl 1/2" to 3/4" bl
30-ISIP-no bl
45-FFP-w k to strg in 23 min
45-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1630.32	95.77	Initial Hydro-static
3	22.89	94.94	Open To Flow (1)
33	96.85	100.74	Shut-In(1)
64	871.88	102.11	End Shut-In(1)
64	104.12	101.81	Open To Flow (2)
109	147.77	105.28	Shut-In(2)
154	866.09	105.57	End Shut-In(2)
159	1592.71	106.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	MGO 20%G15%M65%O	1.32
154.00	MGO 10%G30%M60%O	1.51
0.00	405'GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Co Inc

7-13s-19w Ellis,KS

PO Box 399
Garden City KS 67846

Weber 2-7

Job Ticket: 64079

DST#: 1

ATTN: Cecil O'Brate , Jaso

Test Start: 2016.12.16 @ 20:35:33

Tool Information

Drill Pipe:	Length: 3149.00 ft	Diameter: 3.80 inches	Volume: 44.17 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 280.00 ft	Diameter: 2.70 inches	Volume: 1.98 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 46.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3424.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.00 ft			
Tool Length:	112.00 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			3404.00	
Shut In Tool	5.00			3409.00	
Hydraulic tool	5.00			3414.00	
Packer	5.00			3419.00	21.00 Bottom Of Top Packer
Packer	5.00			3424.00	
Stubb	1.00			3425.00	
Perforations	3.00			3428.00	
Recorder	0.00	8018	Inside	3428.00	
Recorder	0.00	8700	Outside	3428.00	
Blank Spacing	65.00			3493.00	
Perforations	19.00			3512.00	
Bullnose	3.00			3515.00	91.00 Bottom Packers & Anchor

Total Tool Length: 112.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Co Inc

7-13s-19w Ellis,KS

PO Box 399
Garden City KS 67846

Weber 2-7

Job Ticket: 64079

DST#: 1

ATTN: Cecil O'Brate , Jaso

Test Start: 2016.12.16 @ 20:35:33

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 45.00 sec/qt
Water Loss: 6.79 in³
Resistivity: ohm.m
Salinity: 1000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	MGO 20%G15%M65%O	1.317
154.00	MGO 10%G30%M60%O	1.507
0.00	405'GIP	0.000

Total Length: 340.00 ft Total Volume: 2.824 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

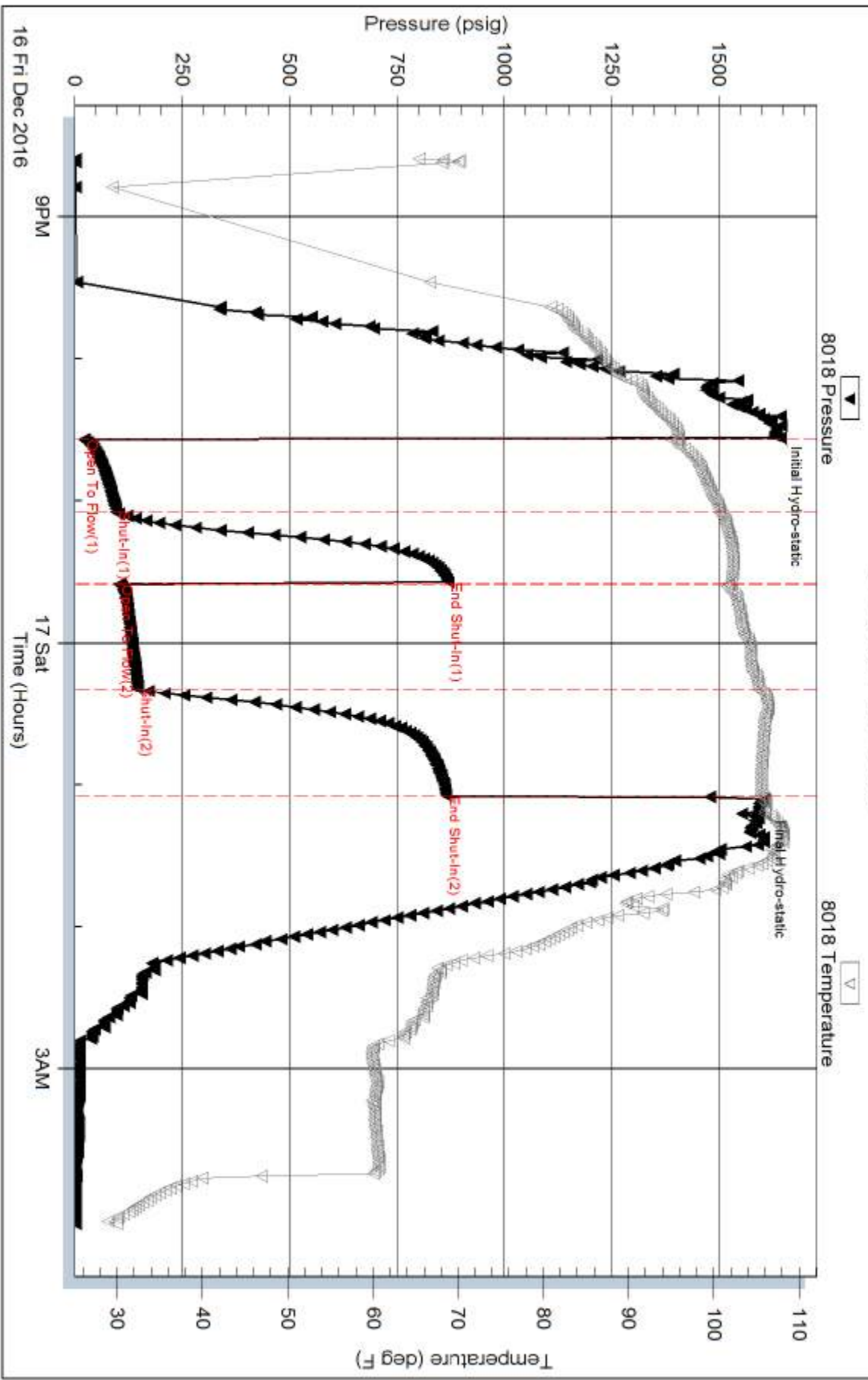
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

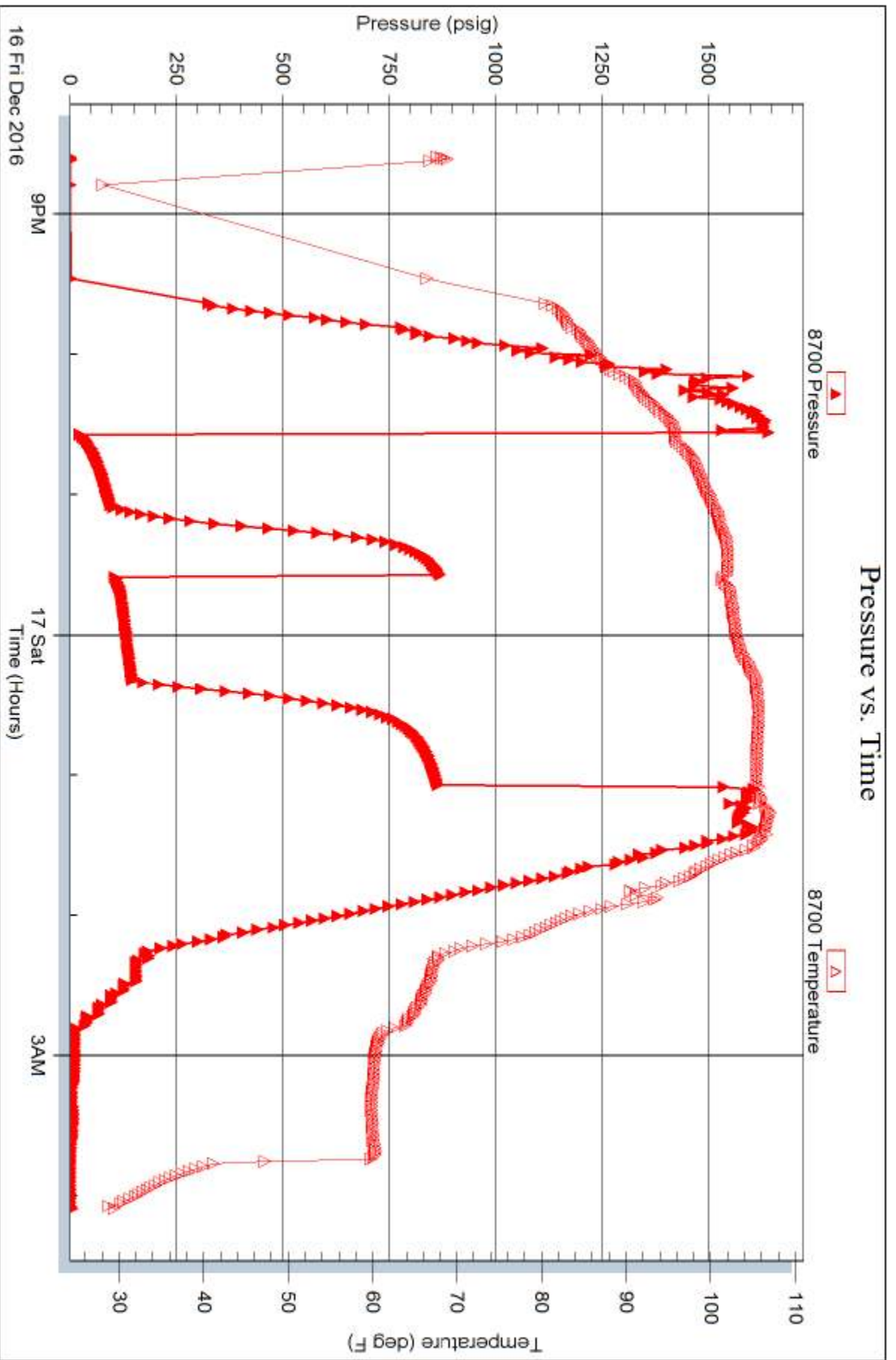


Serial #: 8700

Outside American Warrior Co Inc

Weber 2-7

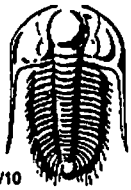
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 64079

Printed: 2016.12.19 @ 13:31:46



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64079

Well Name & No. Weber 2-2 Test No. 1 Date 12-16-2016
 Company American Warrior Co Inc Elevation 2152 KB 2144 GL
 Address PO Box 399 3118 Cummings Rd. Garden City, Ks 67846
 Co. Rep / Geo. JASON ALM Rig Discovery rig 2
 Location: Sec. 7 Twp. 13^s Rge. 19^w Co. ELLIS State Ks

Interval Tested 3424-3515 Zone Tested TORONTO-LKC "C"
 Anchor Length 91 Drill Pipe Run 3149 Mud Wt. 8.8
 Top Packer Depth 3419 Drill Collars Run - Vis 45
 Bottom Packer Depth 3424 Wt. Pipe Run 280 WL 6.8
 Total Depth 3515 Chlorides 1000 ppm System LCM 2[#]
 Blow Description IFF - WEAK BLOW 1/2" TO 3/4" BLOW
ISTP - NO BLOW
FFP - WEAK TO A STRONG BLOW IN 23 MIN
FSTP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>405</u>	<u>GIP</u>				
<u>154</u>	<u>M60</u>	<u>10</u>	<u>60</u>	<u>30</u>	
<u>186</u>	<u>M60</u>	<u>20</u>	<u>65</u>	<u>15</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 340 BHT 105 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 1630 Test 1050 T-On Location 1940
 (B) First Initial Flow 22 Jars - T-Started 2035
 (C) First Final Flow 96 Safety Joint - T-Open 2235
 (D) Initial Shut-In 871 Circ Sub - T-Pulled 0105
 (E) Second Initial Flow 104 Hourly Standby - T-Out 0405 17th
 (F) Second Final Flow 147 Mileage 30RT 45 Comments Loaded Tool 0330
 (G) Final Shut-In 866 Sampler - 12-18-2016
 (H) Final Hydrostatic 1592 Straddle - Ruined Shale Packer -
 Shale Packer - Ruined Packer -
 Extra Packer - Extra Copies -
 Extra Recorder - Sub Total 0
 Day Standby - Total 1095
 Accessibility - MP/DST Disc't -
 Sub Total 1095

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

Weber #2-7
1425' FNL & 335' FWL
Sec. 7 T13s R19w
Ellis County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Weber #2-7
1425' FNL & 335' FWL
Sec. 7 T13s R19w
Ellis County, Kansas
API # 15-051-26855-0000

Drilling Contractor: Discovery Drilling Co. Inc. Rig #2

Geologist: Jason T Alm, Casey Kraus

Spud Date: December 12, 2016

Completion Date: December 18, 2016

Elevation: 2144' Ground Level
2152' Kelly Bushing

Directions: Yocemento KS, West on Old Hwy 40 to 160 Rd.
North approx. 2 ½ mi. East into location just north
of I-70 bridge.

Casing: 230' 8 5/8" surface casing
3909' 5 1/2" production casing

Samples: 10' wet and dry, 3200' to RTD

Drilling Time: 3100' to RTD

Electric Logs: Pioneer Energy Services "Jerrod Long"
CNL/CDL, DIL, MEL

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

Problems: None

Remarks: None

Formation Tops

Formation	American Warrior, Inc. Weber #2-7 Sec. 7 T13s R19w 1425' FNL & 335' FWL
Anhydrite	1477' +675
Base	1523' +629
Topeka	3189' -1037
Heebner	3425' -1273
Toronto	3446' -1294
Lansing	3466' -1314
BKC	3708' -1556
Marmaton	3760' -1608
Conglomerate	3787' -1635
Arbuckle	3824' -1672
LTD	3910' -1758
RTD	3910' -1758

Sample Zone Descriptions

- LKC “C” zone (3496’ -1344): Covered in DST #1**
 Ls – Fine crystalline, oolitic with poor to fair oolitic porosity, light to fair oil stain with light spotted saturation, fair show of free oil, light odor, dull yellow spotted fluorescents.
- LKC “E” zone (3540’ -1388): Not Tested**
 Ls – Fine to sub-crystalline with scattered pinpoint inter-crystalline porosity, light brown spotted oil stain, slight show of free oil on cup, slight odor.
- LKC “F” zone (3532’, -1392): Not Tested**
 Ls – Fine to sub-crystalline, oolitic with fair oomoldic porosity, light to dark brown oil stain, no show of free oil, very slight odor.
- LKC “K” zone (3648’ -1496): Not Tested**
 Ls – Fine crystalline, oolitic packstone with poor to fair oolitic porosity, light spotted oil stain in porosity, no show of free oil, very light odor.

- LKC “L” zone (3648’ -1496): Not Tested**
 Ls – Fine crystalline, oolitic with poor to scattered good oolitic porosity, light to heavy oil stain with scattered good saturation, slight show of free oil when broken, light odor.
- Marmaton (3760’ -1608): Not Tested**
 Ls – Fine to sub-crystalline, oolitic with scattered fair oolitic and oomoldic porosity, light spotted to good oil stain with scattered heavy saturation, fair to good show of free oil, light to fair odor, very heavy orange chert, mostly fresh, few weathered pieces.
- Conglomerate (3787’ -1635): Not Tested**
 Chert – Multicolored, weathered in part, mostly fresh, with poor to fair scattered vuggy porosity, light to very heavy oil stain with scattered heavy oil saturation, good show of free oil, fair odor, few random quartz grains.
- Arbuckle (3824’ -1672): Not Tested**
 Dolo – Fine to sub-crystalline with scattered poor to fair vuggy porosity, tarry oil stain and saturation, no show of free oil, no odor.

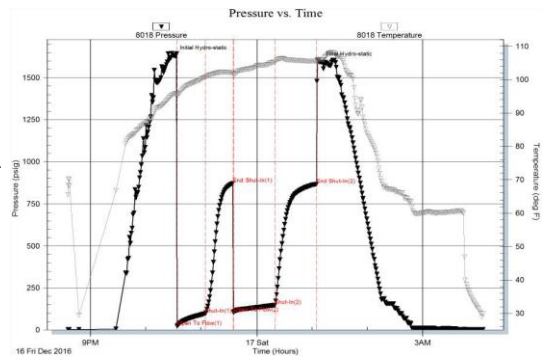
Drill Stem Tests
 Trilobite Testing, Inc.
 “Ray Schwager”

DST #1 Toronto thru LKC “C”

Interval (3424’ – 3515’) Anchor Length 91’

- | | | |
|-----|------------------------|-----------|
| IHP | – 1630 # | |
| IFP | – 30” – Built to ¾ in. | 22-97 # |
| ISI | – 30” – Dead | 872 # |
| FFP | – 45” – B.O.B. 23 min. | 104-148 # |
| FSI | – 45” – Dead | 866 # |
| FHP | – 1593 # | |
| BHT | – 106°F | |

- Recovery:
- | | |
|----------|---------|
| 405’ GIP | |
| 186’ MGO | 65% Oil |
| 154’ MGO | 60% Oil |



Structural Comparison

	American Warrior, Inc. Weber #2-7 Sec. 7 T13s R19w 1425' FNL & 335' FWL	Graham Michaelis Corp Wolf #5-7 Sec. 7 T13s R19w NW NW SW		American Warrior, Inc. Weber #1-7 Sec. 7 T13s R19w 993' FNL & 1845' FEL	
Formation					
Anhydrite	1477' +675	NA	NA	1470' +662	(+13)
Base	1523' +629	NA	NA	1514' +618	(+11)
Topeka	3189' -1037	3158' -1037	FL	3187' -1055	(+18)
Heebner	3425' -1273	3396' -1275	(+2)	3422' -1290	(+17)
Toronto	3446' -1294	3418' -1297	(+3)	3443' -1311	(+17)
Lansing	3466' -1314	3438' -1317	(+3)	3463' -1331	(+17)
BKC	3708' -1556	3883' -1562	(+6)	3712' -1580	(+24)
Marmaton	3760' -1608	3731' -1610	(+2)	3756' -1624	(+16)
Conglomerate	3787' -1635	3764' -1643	(+8)	3782' -1650	(+15)
Arbuckle	3824' -1672	3782' -1661	(-11)	3858' -1726	(+54)

Summary

The location for the Weber # 2-7 was found via 3-D seismic survey. The new well ran structurally as expected on all datums except the Arbuckle Formation. One Drill Stem Test was conducted which recovered commercial amounts of oil from the Lansing-Kansas City "C" zone. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the Weber #2-7 well.

Recommended Perforations

Primary:

LKC K zone	3658' – 3666'	Not Tested
LKC C zone	3501' – 3505'	DST #1

Secondary:

Cong. Chert	3786' – 3806'	Not Tested
LKC E zone	3542' – 3548'	Not Tested

Before Abandonment:

Pleasanton	3719' – 3724'	Not Tested
LKC L zone	3696' – 3701'	Not Tested

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.