

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
--	---

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

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	BRADFORD 1-30
Doc ID	1350295

Tops

Name	Top	Datum
Anhy	1614	+834
B/Anhy	1638	+806
Heebner	4002	-1558
Lansing	4058	-1614
B/KC	4466	-2022
Marmaton	4487	-2043
Pawnee	4584	-2140
Ft.Scott	4624	-2180
Cherokee	4649	-2205
Mississippian	4794	-2350



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

TICKET 30151

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Wichita KS</u>	WELL/PROJECT NO. <u>1-30</u>	LEASE <u>Bradford</u>	COUNTY/PARISH <u>Hodgeman</u>	STATE <u>KS</u>	CITY <u>Jetmore</u>	DATE <u>17 Feb 17</u>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Discovery</u>	RIG NAME/NO. <u>3</u>	SHIPPED VIA <u>ET</u>	DELIVERED TO <u>location</u>	ORDER NO.		
3. WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>cement surface pipe</u>	WELL PERMIT NO.	WELL LOCATION <u>30-23-23</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	30		mi		5.00	150.00
5765		1			Pump Charge					800.00	800.00
325		1			Standard cement	150		sk		12.25	1837.50
219		1			Bentonite gel	300		lb	3	25.00	75.00
278		1			Calcium chloride				7	40.00	280.00
290		1			D-AP				21.99	42.00	84.00
581		1			Service charge	150		sk		1.50	225.00
582		1			Dryage (unit)	14750		lb	1	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

DATE SIGNED _____ TIME SIGNED _____ A.M. P.M. 2:30

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	2631.50 3701.50
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?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	3851.50

Hodgeman Co. TAX



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

TICKET 30241

PAGE 1 OF 2

SERVICE LOCATIONS
 1. NESS CITY KS
 WELL/PROJECT NO. 1-30
 LEASE BRADFORD
 COUNTY/PARISH HODGEMAN CO.
 STATE KS
 CITY JCT 156! 283 JETMORE KS.
 DATE 02-25-17
 OWNER
 2. TICKET TYPE CONTRACTOR RIG NAME/NO. SHIPPED VIA DELIVERED TO ORDER NO.
 SERVICE DISCOVERY DRILLING #3
 SALES
 3. WELL TYPE WELL CATEGORY JOB PURPOSE WELL PERMIT NO. WELL LOCATION
 OIL WELL DEVELOPMENT CEMENT LONK STRIKING. I.E. RD 219 4 1/2 S, W 1/4 N E 20
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS SEC 30-235-23W H62

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
500		1			MILEAGE 115	1	@	30	ML	5.00	150.00
578		1			PUMP CHARGE 21500 FT.	1	@			1250.00	1250.00
281		1			MUD FLUSH	500	gal			1.25	625.00
221		1			LIQUID KCL	2	gal			25.00	50.00
407		1			INSERT FLOAT SHOE 1/2 FILL	1	@	5 1/2		300.00	300.00
406		1			LATCH DOWN PUMP BAFFLES	1	@	5 1/2		225.00	225.00
402		1			CENTRALIZERS(S)	7	@	5 1/2		60.00	420.00
403		1			CEMENT BASKET(S)	2	@	5 1/2		250.00	500.00
404		1			PORT COLLAR #16D752	1	@	5 1/2		2500.00	2500.00
290		1			D-AIR	3	gal			42.00	126.00
419		1			ROTATING HEAD RENTAL	1	@			200.00	200.00

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 *John Goble*
 DATE SIGNED 02-25-17 TIME SIGNED 12:35 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?				6346.00
WE UNDERSTOOD AND MET YOUR NEEDS?				CONT. 4132.50
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				10478.50
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Hodgeman TAX 7-650 655.30
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL 11133.80
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				



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

TICKET CONTINUATION

TICKET No. 30241

CUSTOMER: AMERICAN WARRIOR INC. WELL: 1-30 BRADFORD DATE: 02-25-17 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE		AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M			
325		1				EA-2 CEMENT	175	SKS			12	25	2143.75
276		1				FLOCELE	25	lbs			2	25	56.25
283		1				SALT	900	lbs			2	20	180.00
284		1				CALSEAL	800	lbs	8	SKS	30	00	240.00
292		1				HALAD 322	125	lbs			8	00	1000.00
581		1				SERVICE CHARGE CEMENT	175	SKS			1	50	262.50
						SERVICE CHARGE	CUBIC FEET						
582		1				MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES				
							18,300	30	274.50				

CONTINUATION TOTAL
~~250.00~~
~~250.00~~
~~250.00~~
 4/32.50

JOB LOG

SWIFT Services, Inc.

DATE 12-25-17 PAGE NO. 19

CUSTOMER AMERICAN WARREN TX WELL NO. 1-30 LEASE BRADFORD JOB TYPE CEMENT LONGSTREET TICKET NO. 30241

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	06:00							ON LOCATION DISCOVERY HAVING DOWN DRILL PIPE RTO 4879' LTD 4878' SRT 5 1/2 X 17# @ 4232.54" SIDE JOINT 44.50" DATA @ 4188.04 DISPLACEMENT TOTAL 4188 X .02320 = 97.162528 BBL
	07:53							PIPE ON LOC. (CASING)
	09:00							RUNNING CASING CALL FOR TRUCKS. CENT. ON 1-3-5-7-9-11-64 BASKET NO 2 - 15864
	10:45							PORT COLLAR BASKET 65 (1585.86) KR 8' DROP BALL & START CIRCULATION
	11:12							BREAK CIRCULATION
	11:25	4	12		✓			START - FLUSH
		4	20		✓			KILL
	11:37	2			✓			PULL RAT HOLE 30 SKS & MOUSE HOLE 20 SKS
	11:50	4	40		✓			START CMNT.
		0	30		✓			DROP PULL / FLUSH
	11:56	6	30.25		✓			DISPLACEMENT STARTED
	12:12	3-0	127		✓			1500 LANDED PULL 1500 #5 (PULL HELD) LEFT PRT 800 #5 RTG DOWN TICKET JOB COMPLETED
	12:45							
								THANK YOU DUSTY, JASON & PRESTON
								2 ANHYDRITE 1613'-38' 1630' / BASKET



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

TICKET 30220

PAGE 1 OF 1

SERVICE LOCATIONS: 1. NESS CITY, KS. WELL/PROJECT NO.: LEASE: BRADFORD 1-30 COUNTY/PARISH: HODGEMAN STATE: KS CITY: SEIMORE, KS. DATE: 10 MAR 17 OWNER:
 2. TICKET TYPE: SERVICE CONTRACTOR: CO. RIG RIG NAME/NO.: SHIPPED VIA: DELIVERED TO: ORDER NO.:
 3. WELL TYPE: OIL WELL CATEGORY: DEVELOPMENT JOB PURPOSE: CEMENT PORT COLLAR WELL PERMIT NO.: WELL LOCATION: 1E, 4S, W1110
 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					MILEAGE # 115	30	MIL			5 ⁰⁰	150 ⁰⁰
576					Pump CHARGE	1	JOB			1250 ⁰⁰	1250 ⁰⁰
105					PORT COLLAR OPENING TOOL	1	JOB			275 ⁰⁰	275 ⁰⁰
276					FLOOCELE	30	lbs			2 ²⁵	675 ⁰⁰
290					D-AIR	1 1/2	BAZ			42 ⁰⁰	63 ⁰⁰
330					SMD CEMENT	120	BX			15 ⁷⁵	1890 ⁰⁰
581					CEMENT SERVICE CHARGE	200	SX			1 ⁵⁰	300 ⁰⁰
582					MINIMUM DRAYAGE	19950	lbs.	299.25	TM	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: 10 MAR 17 TIME SIGNED: 1315 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?				4245 ⁵⁰
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

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!

JOB LOG

SWIFT Services, Inc.

DATE 10 MAR 17 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE BRADFORD 1-30

JOB TYPE CEMENT PORT COLLAR

TICKET NO. 30220

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1135							ON LOCATION
								PORT COLLAR @ 1589
	1202				✓		1000	TEST - HELD
	1206							OPEN PORT COLLAR
	1209	4 1/2	66	✓		500		MIX 120SX SMD
		3	5 1/2	✓		200		DISPLACE CEMENT
								CIRCULATE 20SX TO PIT
	1230				✓		1000	CLOSE PORT COLLAR - TEST - HELD
								RUN 4 JTS
	1239	4 1/2	17		✓		400	REVERSE CLEAN
	1248							WASH TRUCK
	1315							JOB COMPLETE.
								THANKS # 115
								JASON DAVE ISAAC



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Jason T. Alm

Bradford #1-30

30-23S-23W Hodgeman,KS

Start Date: 2017.02.23 @ 23:56:03

End Date: 2017.02.24 @ 07:13:04

Job Ticket #: 58110 DST #: 1

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

Printed: 2017.02.27 @ 09:12:14

American Warrior, Inc.

30-23S-23W Hodgeman,KS

Bradford #1-30

DST # 1

Cherokee Sand

2017.02.23



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Jason T. Alm

30-23S-23W Hodgeman,KS

Bradford #1-30

Job Ticket: 58110 **DST#: 1**
 Test Start: 2017.02.23 @ 23:56:03

GENERAL INFORMATION:

Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:21:19
 Time Test Ended: 07:13:04
 Interval: **4646.00 ft (KB) To 4730.00 ft (KB) (TVD)**
 Total Depth: 4730.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2444.00 ft (KB)
 2436.00 ft (CF)
 KB to GR/CF: 8.00 ft

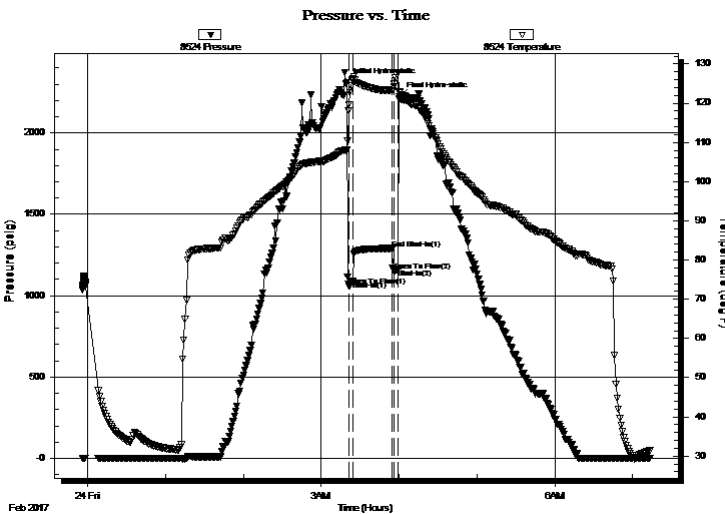
Serial #: 8524

Outside

Press@RunDepth: 1087.22 psig @ 4663.00 ft (KB)
 Start Date: 2017.02.23 End Date: 2017.02.24
 Start Time: 23:56:04 End Time: 07:13:04
 Capacity: 8000.00 psig
 Last Calib.: 2017.02.24
 Time On Btm: 2017.02.24 @ 03:19:34
 Time Off Btm: 2017.02.24 @ 04:00:19

TEST COMMENT: 05- IF- BOB 5 secs
 30- IS- No blow
 05- FF- BOB 10 secs Pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2307.74	107.98	Initial Hydro-static
2	1060.14	119.67	Open To Flow (1)
5	1087.22	126.19	Shut-In(1)
36	1290.09	123.19	End Shut-In(1)
37	1153.37	124.95	Open To Flow (2)
40	1162.50	127.84	Shut-In(2)
41	2222.96	122.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1396.00	MW, 10%M 90%W	19.50
476.00	SWM, 5%W 95%M	6.75

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

30-23S-23W Hodgeman,KS

PO Box 399
Garden City, KS 67846

Bradford #1-30

Job Ticket: 58110

DST#: 1

ATTN: Jason T. Alm

Test Start: 2017.02.23 @ 23:56:03

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:21:19

Time Test Ended: 07:13:04

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 73

Interval: **4646.00 ft (KB) To 4730.00 ft (KB) (TVD)**

Reference Elevations: 2444.00 ft (KB)

Total Depth: 4730.00 ft (KB) (TVD)

2436.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6838

Inside

Press@RunDepth: psig @ 4663.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.02.23

End Date:

2017.02.24

Last Calib.:

2017.02.24

Start Time: 23:56:45

End Time:

07:13:45

Time On Btm:

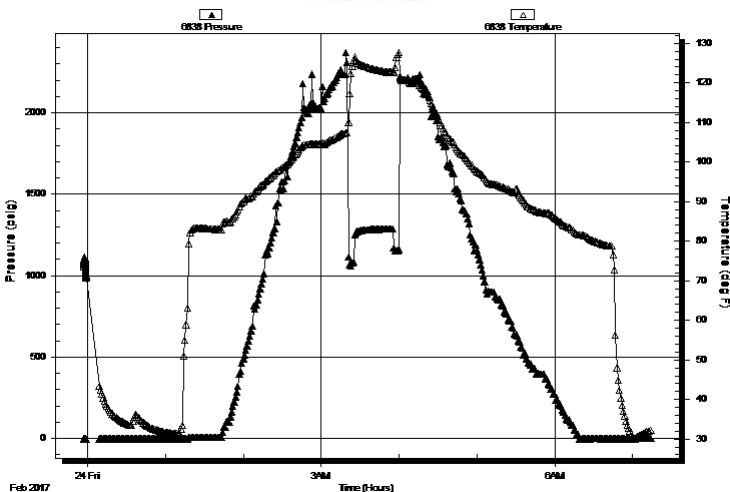
Time Off Btm:

TEST COMMENT: 05- IF- BOB 5 secs

30- IS- No blow

05- FF- BOB 10 secs Pulled tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
1396.00	MW, 10%M 90%W	19.50
476.00	SWM, 5%W 95%M	6.75

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

30-23S-23W Hodgeman,KS

PO Box 399
Garden City, KS 67846

Bradford #1-30

Job Ticket: 58110

DST#: 1

ATTN: Jason T. Alm

Test Start: 2017.02.23 @ 23:56:03

Tool Information

Drill Pipe:	Length: 4597.00 ft	Diameter: 3.82 inches	Volume: 65.16 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4646.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	111.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4620.00	
Shut In Tool	5.00			4625.00	
Hydraulic tool	5.00			4630.00	
Jars	5.00			4635.00	
Safety Joint	2.00			4637.00	
Packer	5.00			4642.00	27.00 Bottom Of Top Packer
Packer	4.00			4646.00	
Stubb	1.00			4647.00	
Perforations	15.00			4662.00	
Change Over Sub	1.00			4663.00	
Recorder	0.00	6838	Inside	4663.00	
Recorder	0.00	8524	Outside	4663.00	
Drill Pipe	63.00			4726.00	
Change Over Sub	1.00			4727.00	
Bullnose	3.00			4730.00	84.00 Bottom Packers & Anchor

Total Tool Length: 111.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

30-23S-23W Hodgeman,KS

PO Box 399
Garden City, KS 67846

Bradford #1-30

Job Ticket: 58110

DST#: 1

ATTN: Jason T. Alm

Test Start: 2017.02.23 @ 23:56:03

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

58000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1396.00	MW, 10%M 90%W	19.502
476.00	SWM, 5%W 95%M	6.747

Total Length: 1872.00 ft Total Volume: 26.249 bbl

Num Fluid Samples: 0

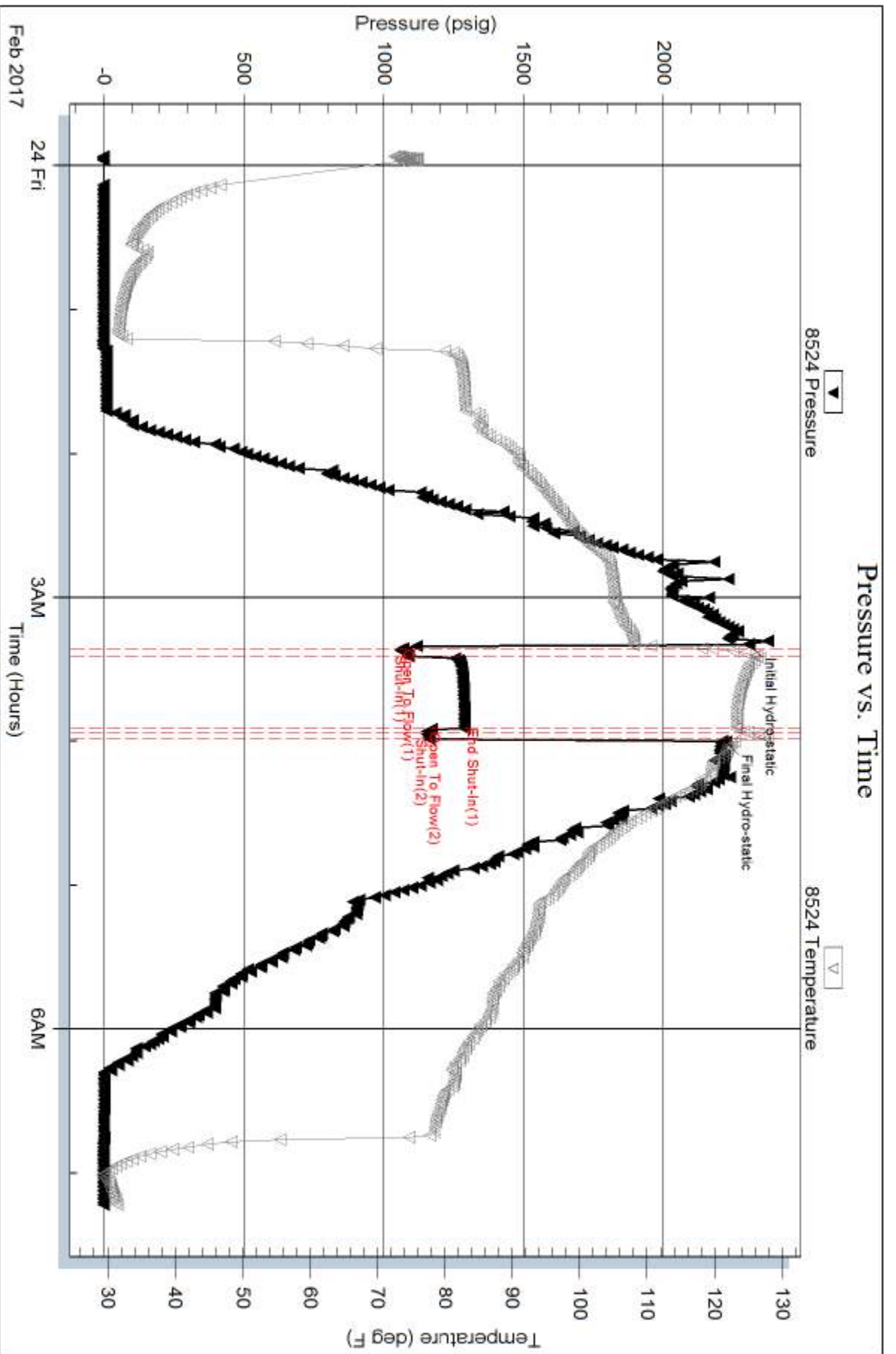
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .27@31deg



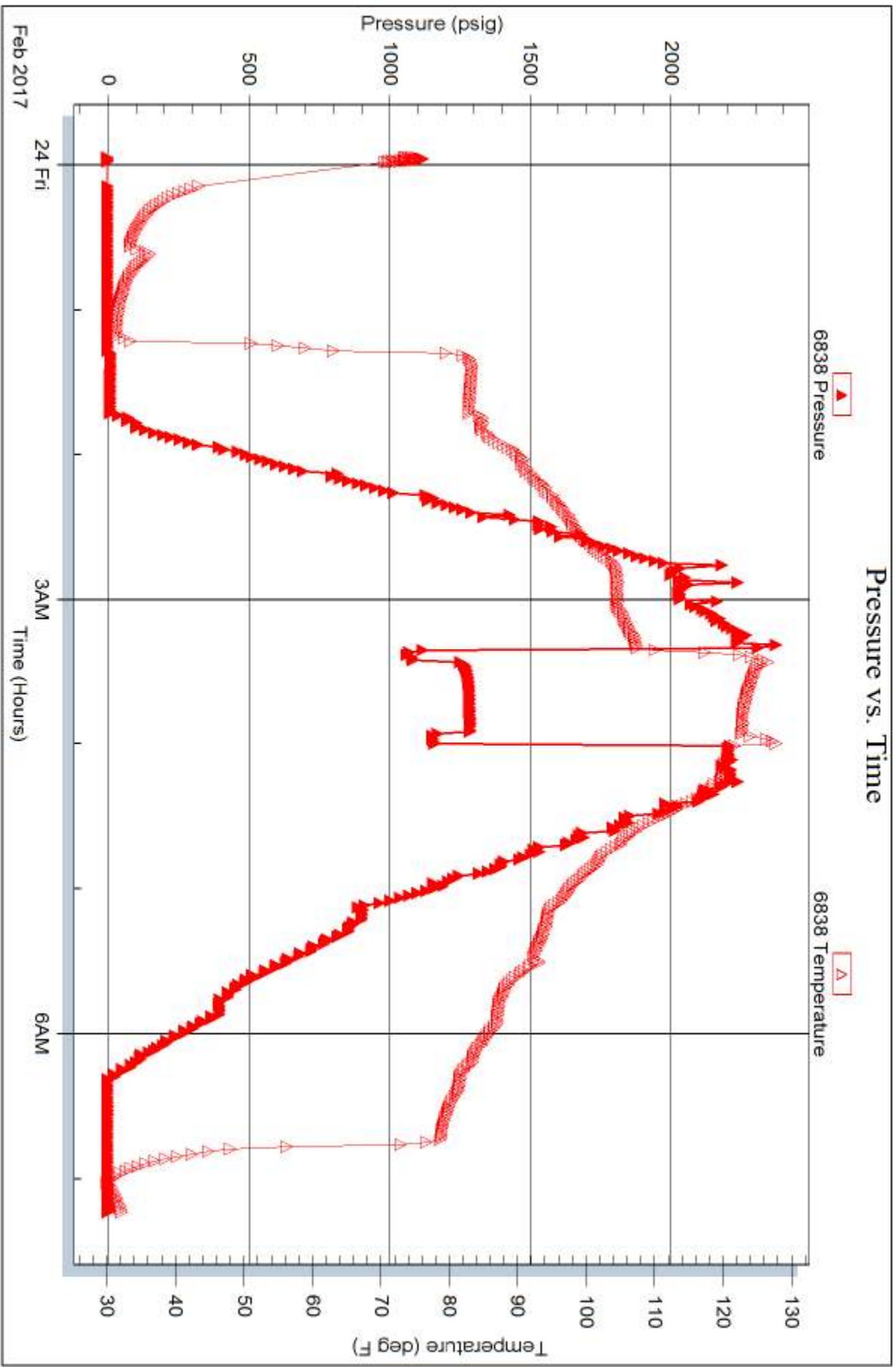
Serial #: 6838

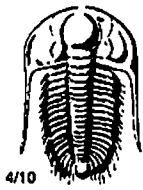
Inside

American Warrior, Inc.

Bradford #1-30

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58110

Well Name & No. Bradford #1-30 Test No. 1 Date 2/24/17
 Company American Warrior Inc. Elevation 2444 KB 2436 GL
 Address PO Box 399 3115 Cummings Rd. Garden City, KS 67846
 Co. Rep / Geo. Tyson T Alm Rig Discovery #13
 Location: Sec. 30 Twp. 23 S Rge. 23 W Co. Hodgeman State KS

Interval Tested 4646-4730 Zone Tested Cherokee Sand
 Anchor Length 84' Drill Pipe Run 4597 Mud Wt. 9.35
 Top Packer Depth 4641 Drill Collars Run 31 Vis 47
 Bottom Packer Depth 4646 Wt. Pipe Run _____ WL 8.4
 Total Depth 4730 Chlorides 3200 ppm System LCM 1.5
 Blow Description IF-DOB 5secs
ISI- No blow
FF- BOB 10secs Pulled tool

Rec	Feet of	%gas	%oil	%water	%mud
<u>1396</u>	<u>Feet of MW</u>			<u>90</u>	<u>10</u>
<u>476</u>	<u>Feet of SWM</u>			<u>5</u>	<u>95</u>
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 1872 BHT 128° Gravity _____ API RW 27 @ 31 °F Chlorides 5800 ppm
 (A) Initial Hydrostatic 2308 Test 1150 T-On Location 2/23 2323
 (B) First Initial Flow 1060 Jars 250 T-Started 2356
 (C) First Final Flow 1087 Safety Joint 75 T-Open 0320
 (D) Initial Shut-In 1290 Circ Sub _____ T-Pulled 0400
 (E) Second Initial Flow 1153 Hourly Standby _____ T-Out 0713
 (F) Second Final Flow 1163 Mileage 180 RT 135 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 2223 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1610
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1610

Approved By _____ Our Representative Brannon Lonsdale

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

Bradford #1-30
752' FNL & 786' FEL
Sec. 30 T23s R23w
Hodgeman County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Bradford #1-30
752' FNL & 786' FEL
Sec. 30 T23s R23w
Hodgeman County, Kansas
API # 15-083-21932-0000

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

Geologist: Jason T Alm

Spud Date: February 17, 2017

Completion Date: February 25, 2017

Elevation: 2436' Ground Level
2444' Kelly Bushing

Directions: Jetmore KS, East 1 mile to SE 219 Rd. South 3 ½
miles, West into location.

Casing: 211' 8 5/8" surface casing
4232' 5 1/2" production casing

Samples: 10' wet and dry, 4250' to RTD

Drilling Time: 3850' to RTD

Electric Logs: Pioneer Energy Services "Justin Hendrickson"
CNL/CDL, DIL, MEL, BHCS

Drillstem Tests: One, Trilobite Testing, Inc. "Brannan Lonsdale"

Problems: None

Remarks: Bit Trip @ 4460'. H2S influenced hotwire on
upper Cherokee Sand.

Formation Tops

Formation	American Warrior, Inc. Bradford #1-30 Sec. 30 T23s R23w 752' FNL & 786' FEL
Anhydrite	1614' +834
Base	1638' +806
Heebner	4002' -1558
Lansing	4058' -1614
BKC	4466' -2022
Marmaton	4487' -2043
Pawnee	4584' -2140
Fort Scott	4624' -2180
Cherokee	4649' -2205
Basil Cher Sand	4716' -2272
Mississippian	4794' -2350
LTD	4878' -2434
RTD	4879' -2435

Sample Zone Descriptions

Basil Cher Sand (4717', -2268): **Covered in DST #1**
 Ss – Quartz, clear to slightly frosted, fine to coarse grained, poorly sorted, sub-rounded, fair cementation with poor to good inter-granular porosity, light to fair spotted oil stain, heavy stain in tight clusters, slight show of free oil when broken, sour H2S odor, 100-300 units hotwire (H2S influenced hotwire).

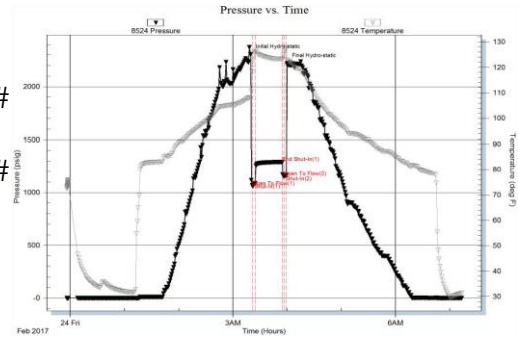
Drill Stem Tests

Trilobite Testing, Inc.
"Brannan Lonsdale"

DST #1 Basil Cherokee Sand

Interval (4646' – 4730') Anchor Length 84'

IHP	– 2308 #	
IFP	– 5" – B.O.B. 5 sec.	1060-1087 #
ISI	– 30" – Dead	1290 #
FFP	– 5" – B.O.B. 10 sec.	1153-1163 #
FHP	– 2223 #	
BHT	– 128°F	



Recovery: 476' GSWM 95% Mud
1396' GMW 95% Water

Structural Comparison

	American Warrior, Inc. Bradford #1-30 Sec. 30 T23s R23w 752' FNL & 786' FEL	American Warrior, Inc. Mabel #1-19 Sec. 19 T23s R23w 2459' FNL & 1756' FEL		Berexco, LLC. Katheryn #1-29 Sec. 29 T23s R23w 2280' FSL & 1000' FWL	
Formation					
Anhydrite	1614' +834	1624', +825	(+9)	1575', +841	(-7)
Base	1638' +806	1652', +797	(+9)	1598', +818	(-12)
Heebner	4002' -1558	4024', -1575	(+17)	3664', -1548	(-10)
Lansing	4058' -1614	4079', -1630	(+16)	4021', -1605	(-9)
BKC	4466' -2022	4488', -2039	(+17)	4434', -2018	(-4)
Marmaton	4487' -2043	4500', -2051	(+8)	4451', -2035	(-8)
Pawnee	4584' -2140	4599', -2150	(+10)	4542', -2126	(-14)
Fort Scott	4624' -2180	4634', -2185	(+5)	4579', -2163	(-17)
Cherokee	4649' -2205	4662', -2213	(+8)	4604', -2188	(-17)
Basil Cher Sand	4716' -2272	4717', -2268	(+4)	4657', -2241	(-31)
Mississippian	4794' -2350	4787', -2338	(-12)	4745', -2329	(-21)

Summary

The location for the Bradford #1-30 was found via 3-D seismic survey. The new well ran slightly than 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 run 5 ½ inch casing to convert into SWDW.

Recommended Perforations

Disposal Perfs:

Plattsmouth

3921' – 3946'

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.