



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1318811
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

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
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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: _____

1318811

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	DOLL-MABLE 1-18
Doc ID	1318811

Tops

Name	Top	Datum
Anhy	1618	+815
B/Anhy	1647	+790
Heebner	4022	-1589
Lansing	4074	-1642
B/KC	4492	-2059
Marmaton	4505	-2072
Pawnee	4602	-2169
Ft.Scott	4638	-2205
Cherokee	4665	-2232
Mississippian	4783	-2350



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

TICKET 29600

PAGE 1 OF 1

SERVICE LOCATIONS: 1. Ness City KS
 WELL/PROJECT NO: 1-18 LEASE: Doll-WMBEL COUNTY/PARISH: Hodgeman STATE: KS CITY: Jetmore DATE: 8 SEP 16 OWNER:
 2. TICKET TYPE: SERVICE SALES CONTRACTOR: PHAROSOLLY RIG NAME/NO: 3 SHIPPED VIA: CT DELIVERED TO: location ORDER NO.:
 3. WELL TYPE: oil WELL CATEGORY: PTA JOB PURPOSE: Plug to Abandon 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	30	mi			5.00	150.00
576P		1			Pump Charge	1	ea			800.00	800.00
328-4		1			60/40 Pozmix (4% gel)	220	bk			10.25	2255.00
276		1			floccle	50	lb			2.25	112.50
290		1			D-air	2	gal			42.00	84.00
581		1			service charge	330	sk			1.50	330.00
582		1			Prayage (min)	29464	lb	1	ea	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: TIME SIGNED: A.M. P.M.
10/5

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	3981.50
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	4286.08

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

SWIFT OPERATOR: BC Hall APPROVAL:

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE SEP 16 PAGE NO. 1

CUSTOMER American West, Inc WELL NO. 1-18 LEASE Poll-Mabel JOB TYPE Plug to Abandon TICKET NO. 29600

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								220 sk 60/40poz (40% gel) 1/4" floccle, 4 1/2" Drill pipe 1st plug 50 sk 1680' 2nd 50 sk 810' 3rd 50 sk 250' 60" 20 sk RH-MH 30-20
	1830							on location TRR 114 1680'
	1910	3 1/2	13			250		1st plug mix 50 sk 60/40poz 40% @ 13.1 lpg Displace w/ 19 bbl H ₂ O pull to 810'
	1926							
	2000	3 1/2	13			200		2nd plug mix 50 sk 60/40poz 40% @ 13.1 lpg Displace w/ 7 bbl H ₂ O pull to 250'
	2009							
	2035	3 1/2	13			100		3rd plug mix 50 sk 60/40poz 40% @ 13.1 lpg Displace w/ 2 bbl H ₂ O pull to 60'
	2043							lay down RH & MH
	2145							4th plug mix 20 sk 60/40poz 40% @ 13.1 lpg - cement in collar - Plug MH - 20 sk Plug RH - 30 sk
	1015							unpack Pack up {220 sk total}
	1045							job complete Thanks Phil, Dave, & Isaac



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

TICKET 29332

PAGE 1 OF 1

SERVICE LOCATIONS
 1. **NESS CITY, KS** WELL/PROJECT NO. **1-18** LEASE **DOLL MABLE UNIT** COUNTY/PARISH **HODGEMAN** STATE **KS** CITY DATE **8-31-16** OWNER **SAME**
 2. TICKET TYPE SERVICE SALES CONTRACTOR **DISCOVERY DRILG #3** RIG NAME/NO. SHIPPED VIA **CT** DELIVERED TO **LOCATON** ORDER NO.
 3. WELL TYPE **OIL** WELL CATEGORY **DEVELOPMENT** JOB PURPOSE **8 5/8" SURFACE** WELL PERMIT NO. WELL LOCATION **SE/JETMORE, KS**
 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 # 112	30		MI		5.00	150.00
576S		1			PUMP CHARGE	1		JOB	2.19	800.00	800.00
325		1			STANDARD CEMENT	150		SKS		12.25	1837.50
279		1			BENTONITE GEL	3		SKS		25.00	75.00
278		1			CALCIUM CHLORIDE	7		SKS		40.00	280.00
290		1			D-ADR	2		GAL		42.00	84.00
581		1			SERVIZE CHARGE CEMENT	150		SKS		1.50	225.00
582		1			MEDIUM DRAVAGE CHARGE	14750	145		221.25	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 John Decker
 DATE SIGNED **8-31-16** TIME SIGNED **2000** 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?				3701.50
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

Hodgeman CO. TAX 1050 174.15

3875.65

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

SWIFT OPERATOR **WAVE WILSON** APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 8-31-16 PAGE NO. 1

CUSTOMER AMERICAN WARRIOR

WELL NO. 1-18

LEASE DOIL MABLE UNIT

JOB TYPE 8 5/8" SURFACE

TICKET NO. 29332

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2000							ON LOCATION
								TD-219' SET @ 219'
								TP-219'
								8 5/8" #24
								15' CEMENT LEFT IN CASING
	2145							BREAK CIRCULATION
	2203	5	36.3		✓	100		MIX CEMENT - 150 SKS STANDARD 2 7/8 BBL / 139 cc
	2212	6	0		✓	200		DISPLACE CEMENT
	2215		13			100		CEMENT DISPLACED - SHUT IN
								CIRCULATED 20 SKS CEMENT TO PET
								WASH TRUCK
	2300							JOB COMPLETE

THANK YOU
WAYNE, DUSTY, JOHN



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

Doll Mabel #1-18

18-23s-23w Hodgeman,KS

Start Date: 2016.09.07 @ 07:24:00

End Date: 2016.09.07 @ 12:44:00

Job Ticket #: 65118 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.09.08 @ 08:39:25

American Warrior Inc

18-23s-23w Hodgeman,KS

Doll Mabel #1-18

DST # 1

Cherokee Sand

2016.09.07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

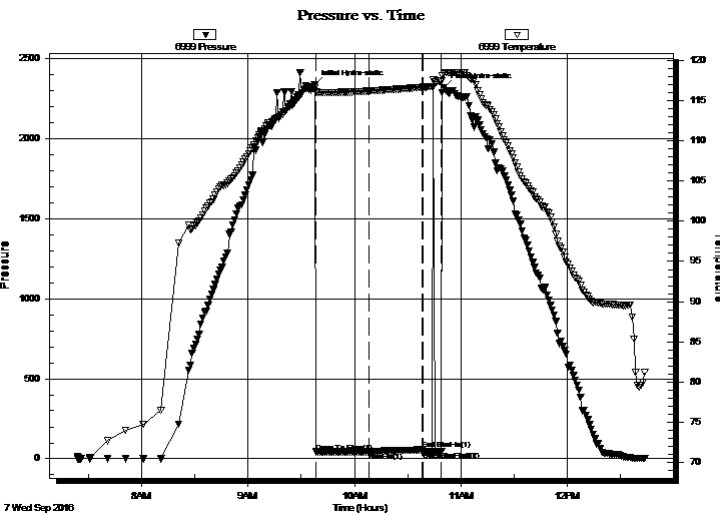
18-23s-23w Hodgeman, KS
Doll Mabel #1-18
 Job Ticket: 65118 **DST#: 1**
 Test Start: 2016.09.07 @ 07:24:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:38:30
 Time Test Ended: 12:44:00
 Interval: **4685.00 ft (KB) To 4746.00 ft (KB) (TVD)**
 Total Depth: 4746.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 2433.00 ft (KB)
 2425.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6999 Inside
 Press@RunDepth: 43.33 psig @ 4741.65 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.09.07 End Date: 2016.09.07 Last Calib.: 2016.09.07
 Start Time: 07:24:05 End Time: 12:43:59 Time On Btm: 2016.09.07 @ 09:37:30
 Time Off Btm: 2016.09.07 @ 10:50:30

TEST COMMENT: IFP 30 Minutes Surface blow died in 14 mintues
 ISI 30 Minutes No blow back
 FFP 10 Minutes Dead - Flush tool no help - Pull test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2336.01	116.54	Initial Hydro-static
1	42.66	116.03	Open To Flow (1)
31	43.33	116.17	Shut-In(1)
61	56.68	116.65	End Shut-In(1)
61	44.91	116.66	Open To Flow (2)
72	46.64	117.40	Shut-In(2)
73	2319.53	118.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

18-23s-23w Hodgeman,KS
Doll Mabel #1-18
Job Ticket: 65118 **DST#: 1**
Test Start: 2016.09.07 @ 07:24:00

Tool Information

Drill Pipe:	Length: 4658.00 ft	Diameter: 3.80 inches	Volume: 65.34 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	100000.0 lb
			<u>Total Volume: 65.49 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	71000.00 lb
Depth to Top Packer:	4685.00 ft			Final	71000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.65 ft				
Tool Length:	88.65 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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

Shut-In Tool	5.00			4662.00	
Hydraulic tool	5.00			4667.00	
Jars	6.00			4673.00	
Safety Joint	2.00			4675.00	
Top Packer	5.00			4680.00	
Packer	5.00			4685.00	28.00 Bottom Of Top Packer
Anchor	2.00			4687.00	
Change Over Sub	1.00			4688.00	
Drill Pipe	31.65			4719.65	
Change Over Sub	1.00			4720.65	
Anchor	20.00			4740.65	
Recorder	1.00	6999	Inside	4741.65	
Recorder	1.00	8960	Outside	4742.65	
Bullnose	3.00			4745.65	60.65 Anchor Tool

Total Tool Length: 88.65



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

18-23s-23w Hodgeman,KS
Doll Mabel #1-18
Job Ticket: 65118 **DST#: 1**
Test Start: 2016.09.07 @ 07:24:00

Mud and Cushion Information

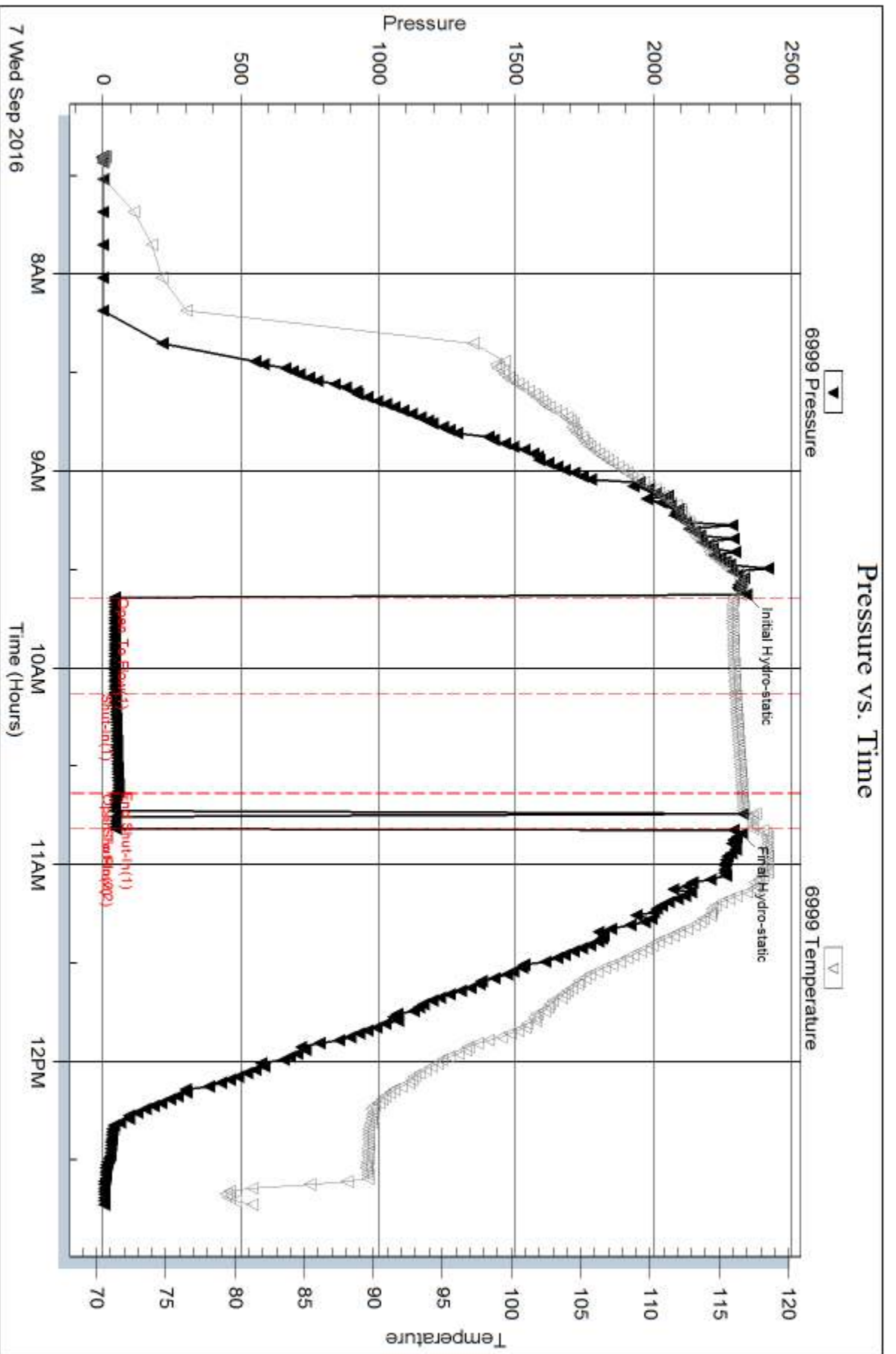
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4600.00 ppm			
Filter Cake: 1.00 inches			

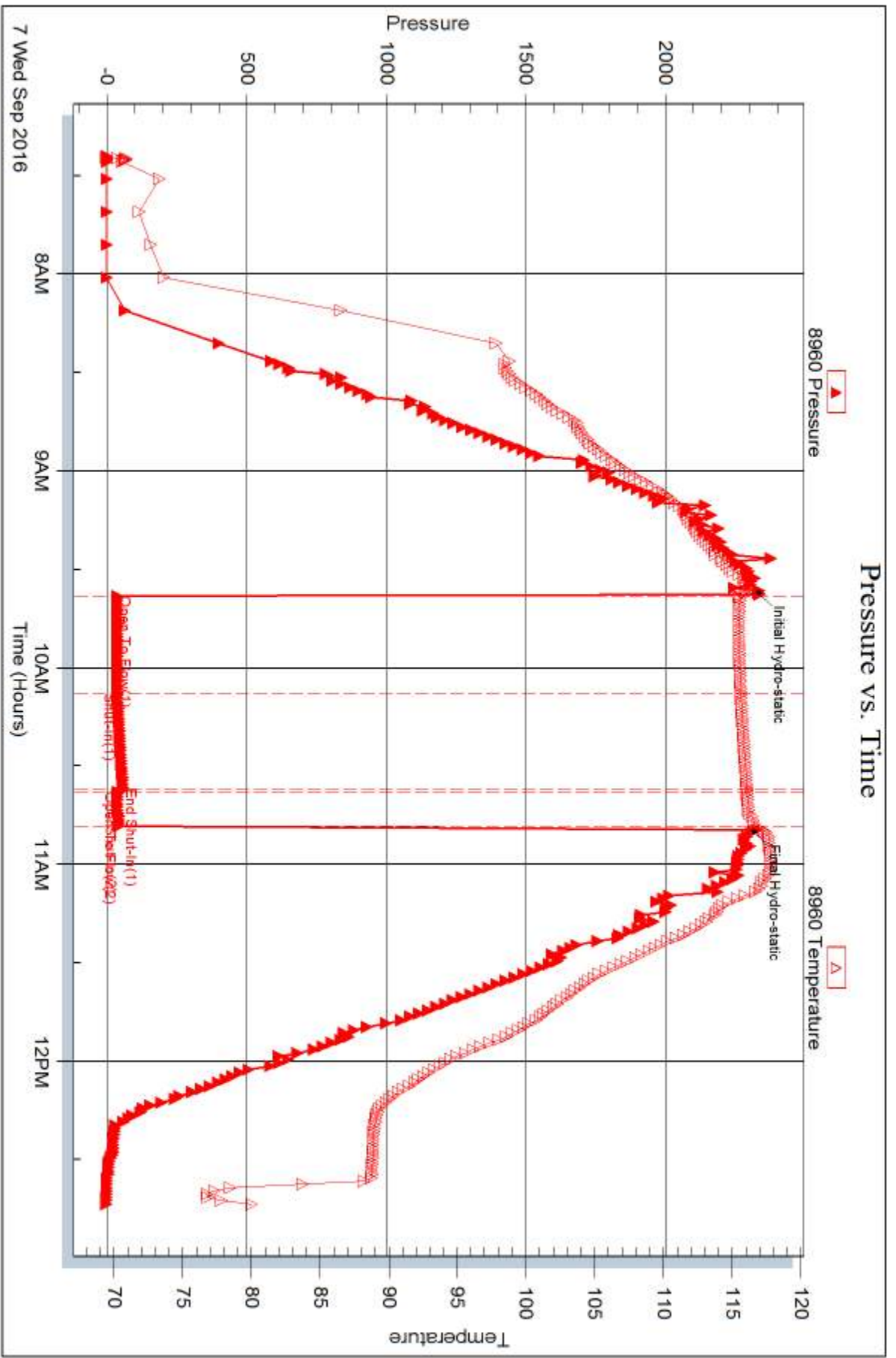
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

Doll Mabel #1-18

18-23s-23w Hodgeman,KS

Start Date: 2016.09.07 @ 19:46:00

End Date: 2016.09.08 @ 01:29:00

Job Ticket #: 65119 DST #: 2

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

Printed: 2016.09.08 @ 08:38:00



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

18-23s-23w Hodgeman,KS
Doll Mabel #1-18
 Job Ticket: 65119 **DST#: 2**
 Test Start: 2016.09.07 @ 19:46:00

GENERAL INFORMATION:

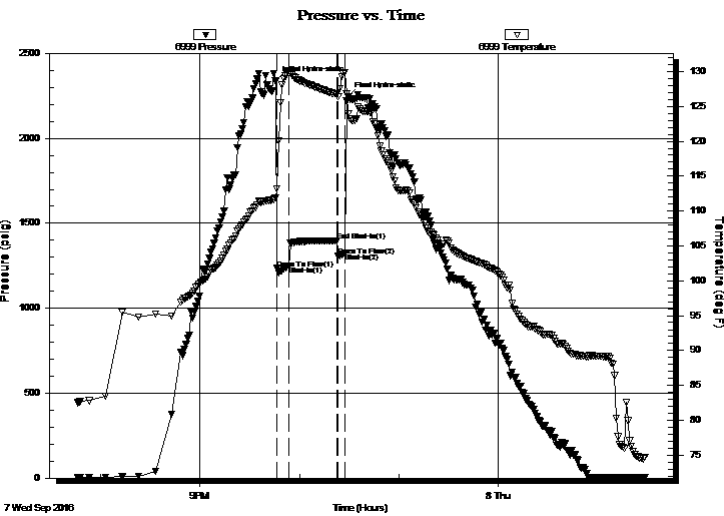
Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:46:30
 Time Test Ended: 01:29:00
 Interval: **4686.00 ft (KB) To 4767.00 ft (KB) (TVD)**
 Total Depth: 4767.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 2433.00 ft (KB)
 2425.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6999

Inside

Press@RunDepth: 1250.32 psig @ 4763.39 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.09.07 End Date: 2016.09.08 Last Calib.: 2016.09.08
 Start Time: 19:46:05 End Time: 01:28:59 Time On Btm: 2016.09.07 @ 21:45:30
 Time Off Btm: 2016.09.07 @ 22:29:30

TEST COMMENT: IFP 5 Minutes BOB in 30 seconds
 ISI 30 Minutes No blow back
 FFP 5 Minutes BOB in 30 seconds



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2338.47	111.84	Initial Hydro-static
1	1233.63	113.22	Open To Flow (1)
8	1250.32	129.74	Shut-In(1)
37	1398.53	126.72	End Shut-In(1)
38	1306.46	126.39	Open To Flow (2)
42	1324.66	129.88	Shut-In(2)
44	2243.15	123.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2418.00	Muddy Water/ Mud 5% Water 95%	33.64

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

18-23s-23w Hodgeman, KS
Doll Mabel #1-18
 Job Ticket: 65119 **DST#: 2**
 Test Start: 2016.09.07 @ 19:46:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:46:30
 Time Test Ended: 01:29:00
 Interval: **4686.00 ft (KB) To 4767.00 ft (KB) (TVD)**
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 Test Type: Conventional Bottom Hole (Initial)
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 Reference Elevations: 2433.00 ft (KB)
 2425.00 ft (CF)
 KB to GR/CF: 8.00 ft

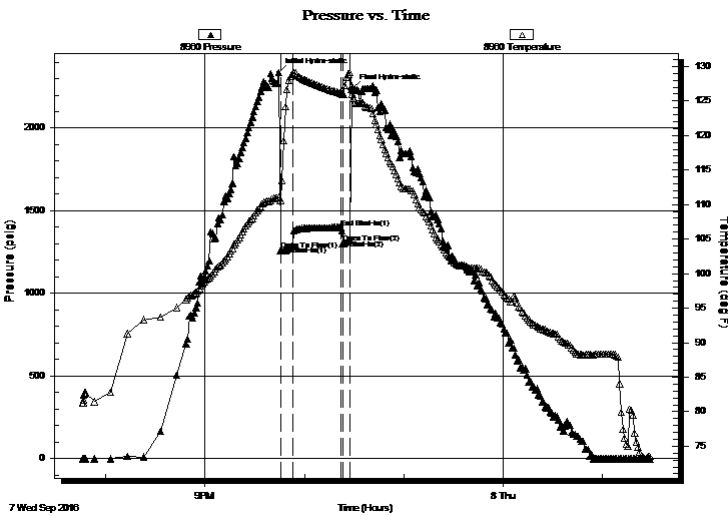
Serial #: 8960

Outside

Press@RunDepth: 1398.64 psig @ 4764.39 ft (KB)
 Start Date: 2016.09.07 End Date: 2016.09.08
 Start Time: 19:46:05 End Time: 01:28:29
 Capacity: 8000.00 psig
 Last Calib.: 2016.09.08
 Time On Btm: 2016.09.07 @ 21:44:30
 Time Off Btm: 2016.09.07 @ 22:29:00

TEST COMMENT: IFP 5 Minutes BOB in 30 seconds
 ISI 30 Minutes No blow back
 FFP 5 Minutes BOB in 30 seconds

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2337.66	111.05	Initial Hydro-static
1	1260.60	110.61	Open To Flow (1)
9	1287.32	128.91	Shut-In(1)
38	1398.64	126.08	End Shut-In(1)
39	1302.55	125.88	Open To Flow (2)
43	1323.27	129.13	Shut-In(2)
45	2239.44	126.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2418.00	Muddy Water/ Mud 5% Water 95%	33.64

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

18-23s-23w Hodgeman,KS
Doll Mabel #1-18
Job Ticket: 65119 **DST#: 2**
Test Start: 2016.09.07 @ 19:46:00

Tool Information

Drill Pipe:	Length: 4658.00 ft	Diameter: 3.80 inches	Volume: 65.34 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	96000.00 lb
			<u>Total Volume: 65.49 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4686.00 ft			Final	84000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	81.39 ft				
Tool Length:	109.39 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			4663.00	
Hydraulic tool	5.00			4668.00	
Jars	6.00			4674.00	
Safety Joint	2.00			4676.00	
Top Packer	5.00			4681.00	
Packer	5.00			4686.00	28.00 Bottom Of Top Packer
Anchor	11.00			4697.00	
Change Over Sub	1.00			4698.00	
Drill Pipe	63.39			4761.39	
Change Over Sub	1.00			4762.39	
Recorder	1.00	6999	Inside	4763.39	
Recorder	1.00	8960	Outside	4764.39	
Bullnose	3.00			4767.39	81.39 Anchor Tool

Total Tool Length: 109.39



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

18-23s-23w Hodgeman,KS
Doll Mabel #1-18
Job Ticket: 65119 **DST#: 2**
Test Start: 2016.09.07 @ 19:46:00

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:	28000 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

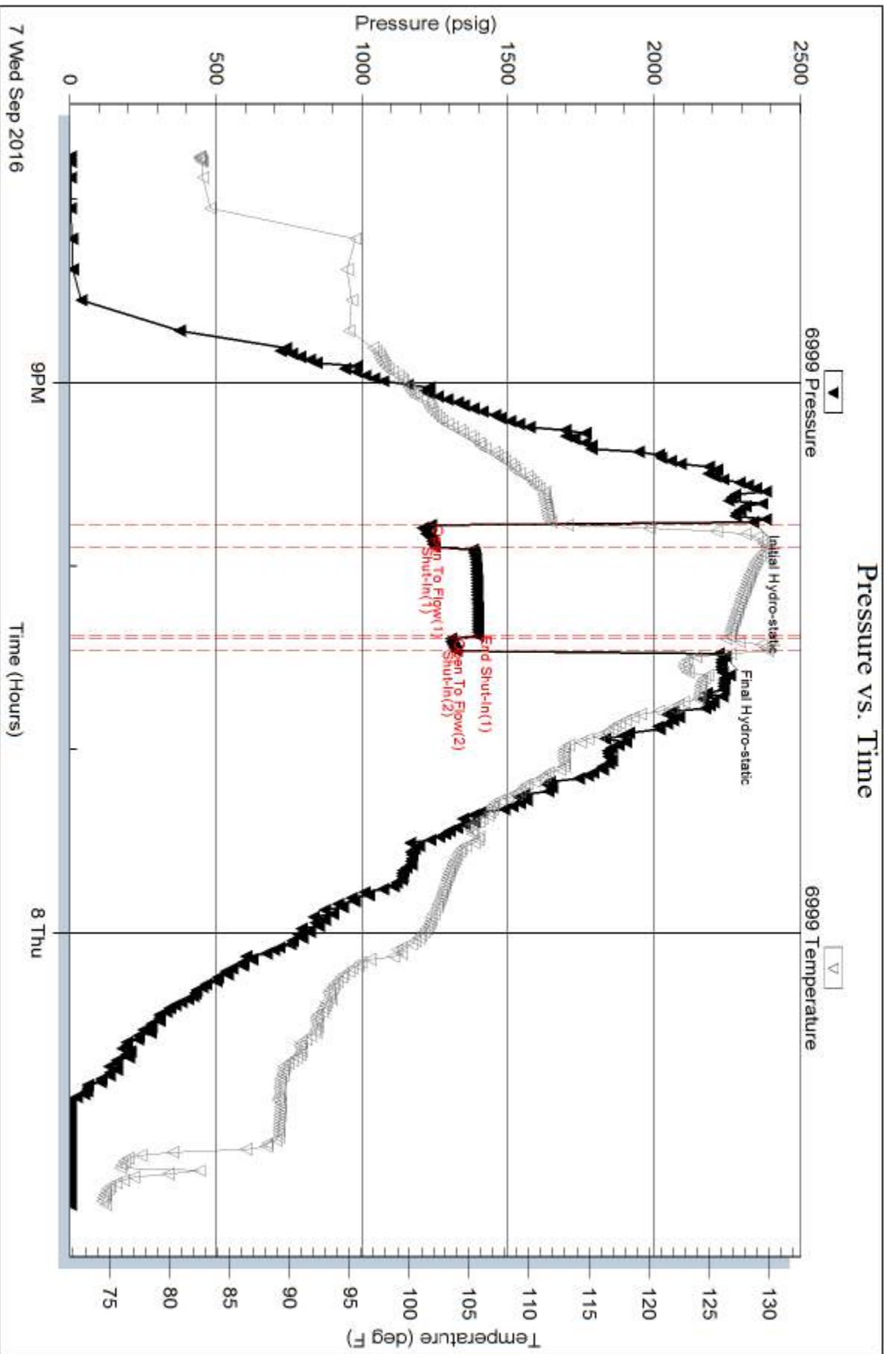
Length ft	Description	Volume bbl
2418.00	Muddy Water/ Mud 5% Water 95%	33.645

Total Length: 2418.00 ft Total Volume: 33.645 bbl

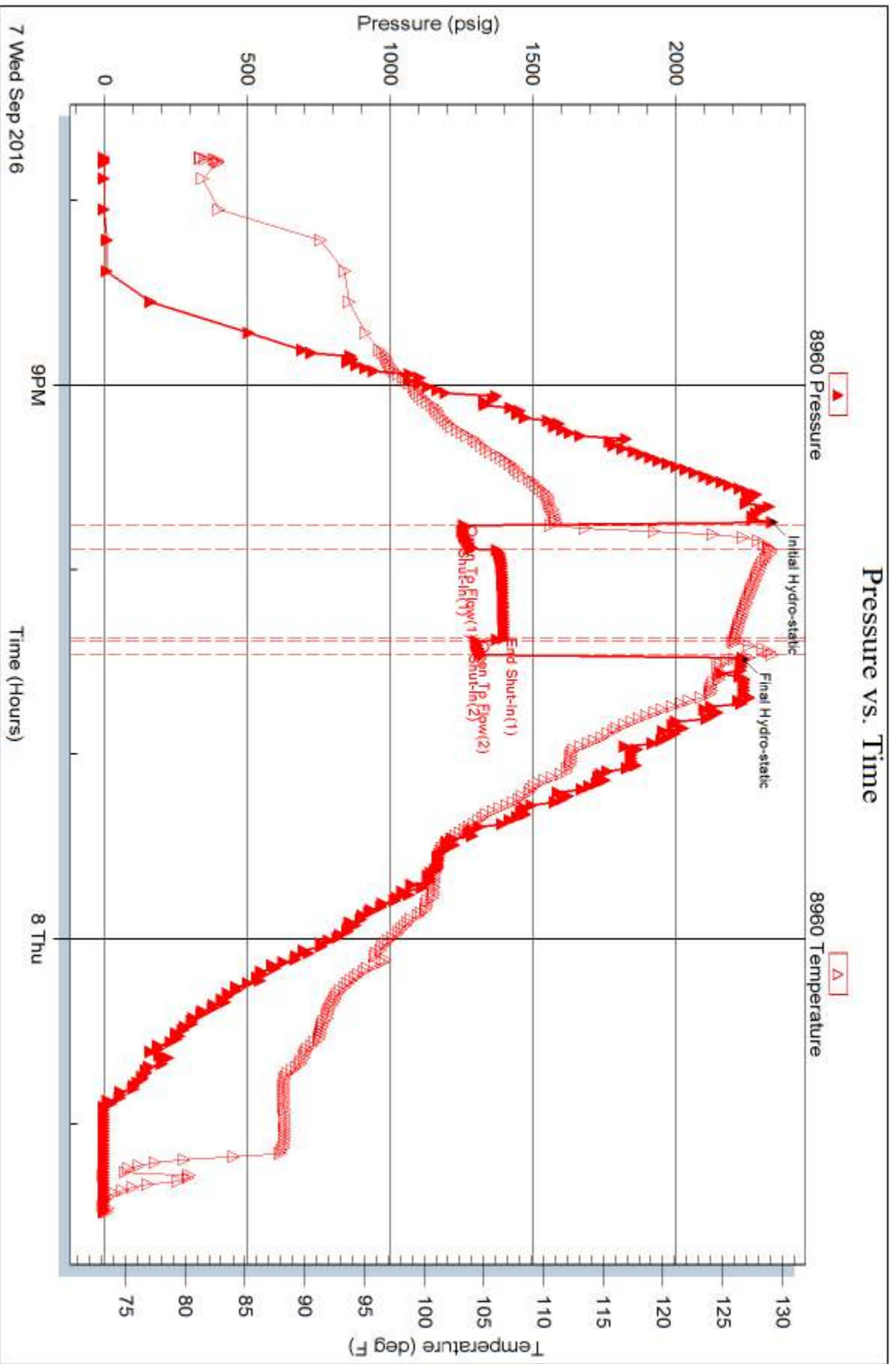
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Recovery Resistivity .22 ohms @ 75 degrees



Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65118**

Well Name & No. Doll-Mabel #1-18 Test No. 1 Date 7 Sept 16
 Company American Warrior Incorporated Elevation 2433 KB 2425 GL
 Address 3118 Cummings Road PO Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jason Alm Rig Discovery Rig 3
 Location: Sec. 18 Twp. 23S Rge. 23W Co. Hodgeman State KS

Interval Tested 4685-4746 Zone Tested Cherokee Sand
 Anchor Length 61 Drill Pipe Run 4658 Mud Wt. 9.2
 Top Packer Depth 4680 Drill Collars Run 30 Vis 48
 Bottom Packer Depth 4685 Wt. Pipe Run — WL 8.8
 Total Depth 4746 Chlorides 4600 ppm System LCM 1#

Blow Description I.F. Surface blow did not build / Died in 14 minutes
I.S.T. no blow back
F.E. Dead / Flush tool no help / Pull test

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>				<u>100%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 118 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2336 Test 1150 T-On Location 6:43 am
 (B) First Initial Flow 42 Jars 250 T-Started 7:24 am
 (C) First Final Flow 43 Safety Joint 75 T-Open 9:37 am
 (D) Initial Shut-In 56 Circ Sub _____ T-Pulled 10:47 am
 (E) Second Initial Flow 44 Hourly Standby _____ T-Out 12:47 pm
 (F) Second Final Flow 46 Mileage 138 103.50 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 2319 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1578.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1578.50

Approved By _____ Our Representative [Signature]

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. **65119**

Well Name & No. Doll-Mabel #1-18 Test No. 2 Date 7 Sept 16
 Company American Warrior Incorporated Elevation 2433 KB 2425 GL
 Address 3118 Cummings Road PO Box 399 Garden City Kansas 67846
 Co. Rep / Geo. Jason Alm Rig Discovery Rig 3
 Location: Sec. 18 Twp. 23 S Rge. 23 W Co. Hodgeman State KS

Interval Tested 4686-4767 Zone Tested Cherokee Sand
 Anchor Length 81 Drill Pipe Run 4658 Mud Wt. 9.35
 Top Packer Depth 4681 Drill Collars Run 30 Vis 59
 Bottom Packer Depth 4686 Wt. Pipe Run — WL 7.2
 Total Depth 4767 Chlorides 4200 ppm System LCM L#

Blow Description I.F. 30 seconds bottom of bucket
I.S.I. No blow back
F.F. 30 seconds bottom of bucket
Pulled tool open / no final shut-in

Rec	Feet of	%gas	%oil	%water	%mud
<u>2418</u>	<u>Muddy Water</u>		<u>95</u>	<u>5</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2418 BHT 129 Gravity _____ API RW .22 @ 75 °F Chlorides 28,000 ppm

(A) Initial Hydrostatic <u>2338</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>7:13 pm</u>
(B) First Initial Flow <u>1233</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>7:46 pm</u>
(C) First Final Flow <u>1250</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>9:45 pm</u>
(D) Initial Shut-In <u>1398</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>10:25 pm</u>
(E) Second Initial Flow <u>1306</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1:29 am</u>
(F) Second Final Flow <u>1324</u>	<input checked="" type="checkbox"/> Mileage <u>138</u> <u>103.50</u>	Comments _____
(G) Final Shut-In _____	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2243</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>5</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>5</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In _____	<input type="checkbox"/> Day Standby _____	Total <u>1578.50</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1578.50</u>	

Approved By _____ Our Representative [Signature]

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Geological Report

Doll-Mabel #1-18
196' FSL & 1909' FEL
Sec. 18 T23s R23w
Hodgeman County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Doll-Mabel #1-18
196' FSL & 1909' FEL
Sec. 18 T23s R23w
Hodgeman County, Kansas
API # 15-083-21928-0000

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

Geologist: Jason T Alm, Marc A Downing

Spud Date: September 1, 2016

Completion Date: September 8, 2016

Elevation: 2425' Ground Level
2433' Kelly Bushing

Directions: Jetmore KS, East 1 mile to SE 219 Rd. South 2 miles, West and South into location.

Casing: 218' 8 5/8" surface casing

Samples: 10' wet and dry, 4300' to RTD

Drilling Time: 3900' to RTD

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

Drillstem Tests: Two, Trilobite Testing, Inc. "Ken Swinney"

Problems: None

Remarks: DST #2 was pulled early due to such strong blows.

Formation Tops

	American Warrior, Inc. Doll-Mabel #1-18 Sec. 18 T23s R23w 196' FSL & 1909' FEL
Formation	
Anhydrite	1618', +815
Base	1647', +790
Heebner	4022', -1589
Lansing	4074', -1642
BKC	4492', -2059
Marmaton	4505', -2072
Pawnee	4602', -2169
Fort Scott	4638', -2205
Cherokee	4665', -2232
Basil Cher Sand	4746', -2313
Mississippian	4783', -2350
LTD	4845', -2412
RTD	4846', -2413

Sample Zone Descriptions

Basil Cher Sand (4746', -2313): **Covered in DST #1,2**
 Ss – Quartz, clear, fine to coarse grained, poorly sorted, poor to fair cementation, sub-rounded with fair inter-granular porosity, light spotted oil stain in cluster, slight show of free oil when broken, fair odor, fair cut fluorescents, 40-21 units hotwire.

Drill Stem Tests

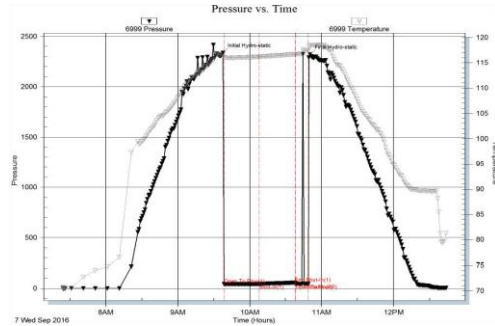
Trilobite Testing, Inc.
"Ken Swinney"

DST #1 Basil Cherokee Sand

Interval (4685' – 4746') Anchor Length 61'

IHP	– 2336 #	
IFP	– 30" – W.S.B.	42-43 #
ISI	– 30" – Dead	57 #
FFP	– 10" – Dead	44-46 #
FHP	– 2319 #	
BHT	– 118°F	

Recovery: 5' Mud

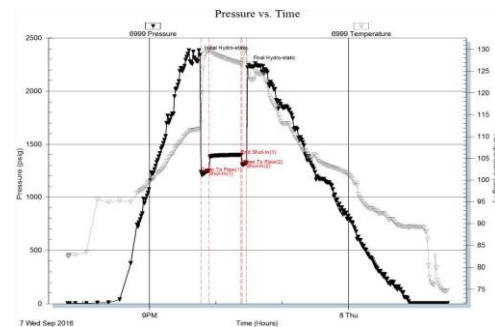


DST #2 Basil Cherokee Sand

Interval (4686' – 4767') Anchor Length 81'

IHP	– 2338 #	
IFP	– 5" – B.O.B. 30 sec.	1233-1250 #
ISI	– 30" – Dead	1399 #
FFP	– 5" – B.O.B. 30 sec.	1306-1324 #
FHP	– 2243 #	
BHT	– 129°F	

Recovery: 2418' Muddy Water 95% Water



Structural Comparison

	American Warrior, Inc. Doll-Mabel #1-18 Sec. 18 T23s R23w 196' FSL & 1909' FEL	American Warrior, Inc. Mabel #1-19 Sec. 19 T23s R23w 2459' FNL & 1756' FEL		Rains & Williamson Bailey #1 Sec. 20 T23s R23w C NW NW	
Formation					
Anhydrite	1618', +815	1624', +825	(-10)	1608', +821	(-6)
Base	1647', +790	1652', +797	(-7)	1630', +799	(-9)
Heebner	4022', -1589	4024', -1575	(-14)	4011', -1582	(-7)
Lansing	4074', -1642	4079', -1630	(-12)	4070', -1641	(-1)
BKC	4492', -2059	4488', -2039	(-20)	NA	NA
Marmaton	4505', -2072	4500', -2051	(-19)	4495', -2066	(-6)
Pawnee	4602', -2169	4599', -2150	(-19)	4588', -2159	(-10)
Fort Scott	4638', -2205	4634', -2185	(-20)	4632', -2203	(-2)
Cherokee	4665', -2232	4662', -2213	(-19)	4657', -2228	(-4)
Basil Cher Sand	4746', -2313	4717', -2268	(-45)	Not Encountered	NE
Mississippian	4783', -2350	4787', -2338	(-12)	4744', -2315	(-35)

Summary

The location for the Doll-Mabel #1-18 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two Drill Stem Tests were conducted, both of which were negative. After all gathered data had been examined the decision was made to plug and abandon the Doll-Mabel #1-18 well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.