



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1227436
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: _____

1227436

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 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				

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Clark 6-2
Doc ID	1227436

Tops

Name	Top	Datum
Anhy	1899'	+958
B/Anhy	1973	+884
Heebner	4021'	-1164
Lansing	4967'	-1210'
Stark	4428'	-1571
B/KC	4557'	-1700
Ft.Scott	4678'	-1821
Morrow	4853'	-1996
Mississippian	4873'	-2016

CEMENTING LOG

Date 8/24/2014 District Liberal # 21 Ticket No. 61605
 Company American Warrior Rig Duke # 10
 Lease CLARK Well No 6-2
 County Finney State KS

Location _____
 Field _____

Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner

Size 8 5/8 Type _____ Weight 24 Collar _____

Casing Depths Top _____ Bottom 1706

Drill Pipe: BBLs/LIN. FT _____ LIN. FT/BBL _____
 Open Hole: BBLs/LIN. FT _____ LIN. FT/BBL _____
 Capacity Factors: BBLs/LIN. FT _____ LIN. FT/BBL _____
 Casing BBLs/LIN. FT 0.0637 LIN. FT/BBL _____
 Open Holes BBLs/LIN. FT _____ LIN. FT/BBL _____
 Drill Pipe BBLs/LIN. FT _____ LIN. FT/BBL _____
 Annulus BBLs/LIN. FT 0.0735 LIN. FT/BBL 13.6037
 BBLs/LIN. FT _____ LIN. FT/BBL _____
 Perforations From _____ ft to _____ ft Amt _____

CEMENT DATA

Spacer Type _____ 5 bbl water
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Time _____ hrs. Type CLASS A
65/35, 6%GEL, 3%CC, 1/4FLOEAL Excess _____

Amt. 625 Sks Yield 2 ft³/sk Density 12.46 PPG

TAIL: Time _____ hrs. Type CLASS A
3%cc, 1/4 floeal Excess _____

Amt. 200 Sks Yield 1.2 ft³/sk Density 15.63 PPG

WATER Lead 10.9 Gal/sk Tail 5.2 Gal/sk Total _____ BBLs

Pump Trucks Used: 903-501
 Bulk Equipment 994-8642
869-554
993-467

Float Equipment: Manufacturer WEATHERFORD

Shoe: Type GUIDE SHOE Depth 1706

Float: Type AFU Insert Valve Depth 1662.2

Centralizers: Quantity 3 Plugs Top 1 Bottom _____

Stage Collars _____

Special Equipment Cement Basket @ 1054' ft

Disp: Fluid Type H2O Amt 105.8 bbls Weight 8.34 PPG

Mud Type _____ Weight _____

COMPANY REPRESENTATIVE _____ CEMENTER ALDO ESPINOZA

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
430AM						ARRIVE TO LOCATION -- RUN FLOAT EQUIPMENT
500AM						RIG UP
530AM						CASING ON BOTTOM
540AM						SAFETY MEETING
550AM	1900					PRESSURE TEST
552AM	40		5		5	5 BBL WATER SPACER
600AM	60		227		6	PUMP 222 BBL OF LEAD SLURRY CEMENT
624AM	80		270		6	PUMP 43 BBL OF TAIL SLURRY CEMENT
					4	RELEASE PLUG- START DISPLACEMENT
641AM	120		290		5	20 BBL GONE
644AM	150		310		5	40 BBL GONE
650AM	420		330		8	60BBLGONE
654AM	500		350		5	80 BBL GONE
656AM	460		360		3	100 BBL GONE SLOW DOWN TO 3 BPM
700AM	480		365		3	BUMP PLUG
705AM	1200					RELEASE PRESSURE, CHECK FLOATS
730AM						RIG DOWN
800AM						LEAVE LOCATION
						110 BBL OF CEMENT BACK

FINAL DISP. PRESS. 480 PSI BUMP PLUG TO 1200 PSI BLEEDBACK 0.5 BBLs THANK YOU



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

TICKET 26695

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Ness City, Ks</u>	WELL/PROJECT NO. <u>6-2</u>	LEASE <u>CLARK</u>	COUNTY/PARISH <u>FINNEY</u>	STATE <u>Ks</u>	CITY	DATE <u>8-31-14</u>	OWNER <u>SAME</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>DUKE DRUG #10</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.	
3.	WELL TYPE <u>OIL</u>	WELL CATEGORY <u>DEVELOPMENT</u>	JOB PURPOSE <u>5 1/2" LONGSTRING</u>	WELL PERMIT NO.	WELL LOCATION <u>N/PERCECUDLE, 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 #114	80		ME		6.00	480.00
578		1			PUMP CHARGE	1		JOB	5042 FT	1500.00	1500.00
221		1			LIQUID KCL	2		Gal		25.00	50.00
281		1			MUDFLUSH	500		Gal		1.25	625.00
402		1			CENTRALIZERS	9		EA	5 1/2"	70.00	630.00
403		1			CEMENT BASKET	1		EA		300.00	300.00
406		1			LATCH DOWN PLUG - BAFFLE	1		EA		275.00	275.00
407		1			INSERT FLOAT SHOE w/AUTO FILL	1		EA		375.00	375.00
419		1			ROTATING HEAD RENTAL	1		JOB		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
 DATE SIGNED 8-31-14 TIME SIGNED 2:00 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 #1	4435.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#2	5415.50
WE UNDERSTOOD AND MET YOUR NEEDS?				Subtotal	9850.50
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TAX	495.49
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Finney 7.3%	
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	10,345.99
<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 WAVE WILSON APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 26695

CUSTOMER: AMERICAN WARRIOR INC
WELL: CLARK 6-2
DATE: 8-31-14
PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT		
		LOC	ACCT	DF			QTY	U/M	QTY	U/M				
325		1				STANDARD CEMENT	EA-2	175	SKS		14.50	2537.50		
276		1				FLOCELE		50	LBS		2.50	125.00		
283		1				SALT		900	LBS		.20	180.00		
284		1				CALSSAL		8	SKS	800 LBS	35.00	280.00		
292		1				HAW-322		125	LBS		8.00	1000.00		
290		1				D-ADR		5	GAL		42.00	210.00		
581		1				SERVICE CHARGE				CUBIC FEET	175	2.00	350.00	
583		1				MILEAGE CHARGE	TOTAL WEIGHT	18325	LOADED MILES	80	TON MILES	733	1.00	733.00

CONTINUATION TOTAL 5415.50

JOB LOG

SWIFT Services, Inc.

DATE 8-31-14 PAGE NO. 7

CUSTOMER AMERICAN WOODCOCK INC WELL NO. 6-2 LEASE CLARK JOB TYPE 5 1/2" LONGSTRING TICKET NO. 26695

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2100							ON LOCATION
	2200							START 5 1/2" CASING IN WELL
								TD-5050 SETC 5042 TP-5042 5 1/2" #15.5 ST-22' CENTRALIZERS - 1, 3, 5, 7, 9, 11, 13, 15, 17 CMT BSRT - 10
	2400							DROP BALL - CALCULATE ROTATE
	0045	6	12		✓		500	PUMP 500 GAL MUD FLUSH
	0047	6	20		✓		500	PUMP 20 BBL KCL FLUSH
	0055		7-5					PLUG RH (30SKS) MH (20SKS)
	0100	4	30		✓		300	MAX CEMENT - 125 SKS EA2 @ 15.4 PP6
	0112							WASH OUT PUMP - LINES
	0112							RELEASE LATCH DOWN PLUG
	0115	7	0		✓		0	DISPLACE PLUG
		7	115				750	
	0133	6	119.5				1500	PLUG DOWN - PSE UP LATCH IN PLUG
	0135						OK	RELEASE PSE - HEAD
								WASH TRUCK
	0230							JOB COMPLETE
								THANK YOU WAYNE, JASON, ROB



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Clark #6-2

S2-25s-31w Finney,KS

Start Date: 2014.08.29 @ 17:45:00

End Date: 2014.08.30 @ 00:53:50

Job Ticket #: 57380 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.09.02 @ 16:27:03



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior, Inc
 PO Box 399
 Garden City KS 67846
 ATTN: Wyatt Urban

S2-25s-31w Finney,KS

Clark #6-2

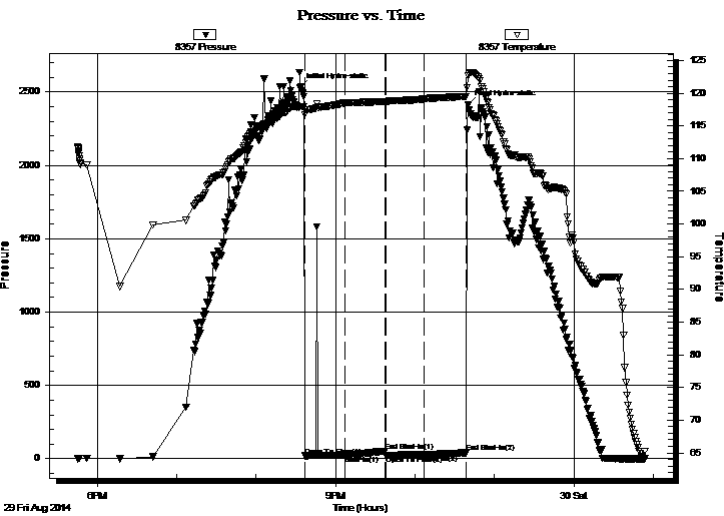
Job Ticket: 57380 **DST#: 1**
 Test Start: 2014.08.29 @ 17:45:00

GENERAL INFORMATION:

Formation: **Morrow Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:36:50
 Time Test Ended: 00:53:50
 Interval: **4838.00 ft (KB) To 4894.00 ft (KB) (TVD)**
 Total Depth: 4894.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chuck Smith
 Unit No: 61
 Reference Elevations: 2855.00 ft (KB)
 2844.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8357 Inside
 Press@RunDepth: 28.92 psig @ 4840.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.29 End Date: 2014.08.30 Last Calib.: 2014.08.30
 Start Time: 17:45:02 End Time: 00:53:49 Time On Btm: 2014.08.29 @ 20:33:10
 Time Off Btm: 2014.08.29 @ 22:40:10

TEST COMMENT: 30- No blow , flushed tool, surge died.
 30- No return.
 30- No blow .
 30- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2529.54	117.94	Initial Hydro-static
4	19.51	116.67	Open To Flow (1)
34	24.67	118.48	Shut-In(1)
64	53.31	118.75	End Shut-In(1)
65	24.12	118.74	Open To Flow (2)
94	28.92	119.12	Shut-In(2)
126	41.21	119.52	End Shut-In(2)
127	2412.46	122.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: @ Degrees F = PPM	0.00
5.00	M 100m	0.07

Gas Rates

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



DRILL STEM TEST REPORT

American Warrior, Inc
 PO Box 399
 Garden City KS 67846
 ATTN: Wyatt Urban

S2-25s-31w Finney,KS
Clark #6-2
 Job Ticket: 57380 **DST#: 1**
 Test Start: 2014.08.29 @ 17:45:00

GENERAL INFORMATION:

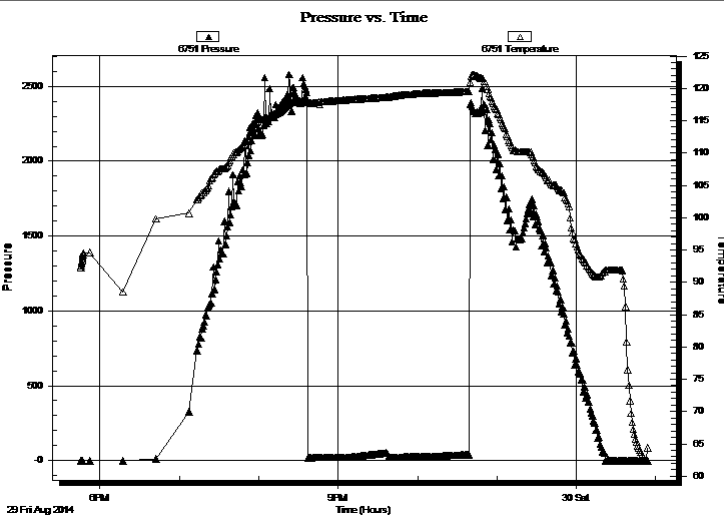
Formation: Morrow Sand		Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)		Tester: Chuck Smith
Time Tool Opened: 20:36:50		Unit No: 61
Time Test Ended: 00:53:50		
Interval: 4838.00 ft (KB) To 4894.00 ft (KB) (TVD)		Reference Elevations: 2855.00 ft (KB)
Total Depth: 4894.00 ft (KB) (TVD)		2844.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 11.00 ft

Serial #: 6751

Outside

Press@RunDepth: psig @ 4840.00 ft (KB)		Capacity: 8000.00 psig
Start Date: 2014.08.29	End Date: 2014.08.30	Last Calib.: 2014.08.30
Start Time: 17:45:22	End Time: 00:53:50	Time On Btm:
		Time Off Btm:

TEST COMMENT: 30- No blow , flushed tool, surge died.
 30- No return.
 30- No blow .
 30- No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: @ Degrees F = PPM	0.00
5.00	M 100m	0.07

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: Wyatt Urban

S2-25s-31w Finney,KS
Clark #6-2
 Job Ticket: 57380 **DST#: 1**
 Test Start: 2014.08.29 @ 17:45:00

Tool Information

Drill Pipe:	Length: 4833.50 ft	Diameter: 3.80 inches	Volume: 67.80 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 67.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4838.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	83.50 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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Change Over Sub	1.00			4811.50	
Shut In Tool	5.00			4816.50	
Hydraulic tool	5.00			4821.50	
Jars	5.00			4826.50	
Safety Joint	2.50			4829.00	
Packer	5.00			4834.00	27.50 Bottom Of Top Packer
Packer	4.00			4838.00	
Stubb	1.00			4839.00	
Perforations	1.00			4840.00	
Recorder	0.00	8357	Inside	4840.00	
Recorder	0.00	6751	Outside	4840.00	
Perforations	18.00			4858.00	
Change Over Sub	1.00			4859.00	
Drill Pipe	31.00			4890.00	
Change Over Sub	1.00			4891.00	
Bullnose	3.00			4894.00	56.00 Bottom Packers & Anchor
Total Tool Length:	83.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc
 PO Box 399
 Garden City KS 67846
 ATTN: Wyatt Urban

S2-25s-31w Finney,KS
Clark #6-2
 Job Ticket: 57380 **DST#: 1**
 Test Start: 2014.08.29 @ 17:45:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3750.00 ppm			
Filter Cake: 1.00 inches			

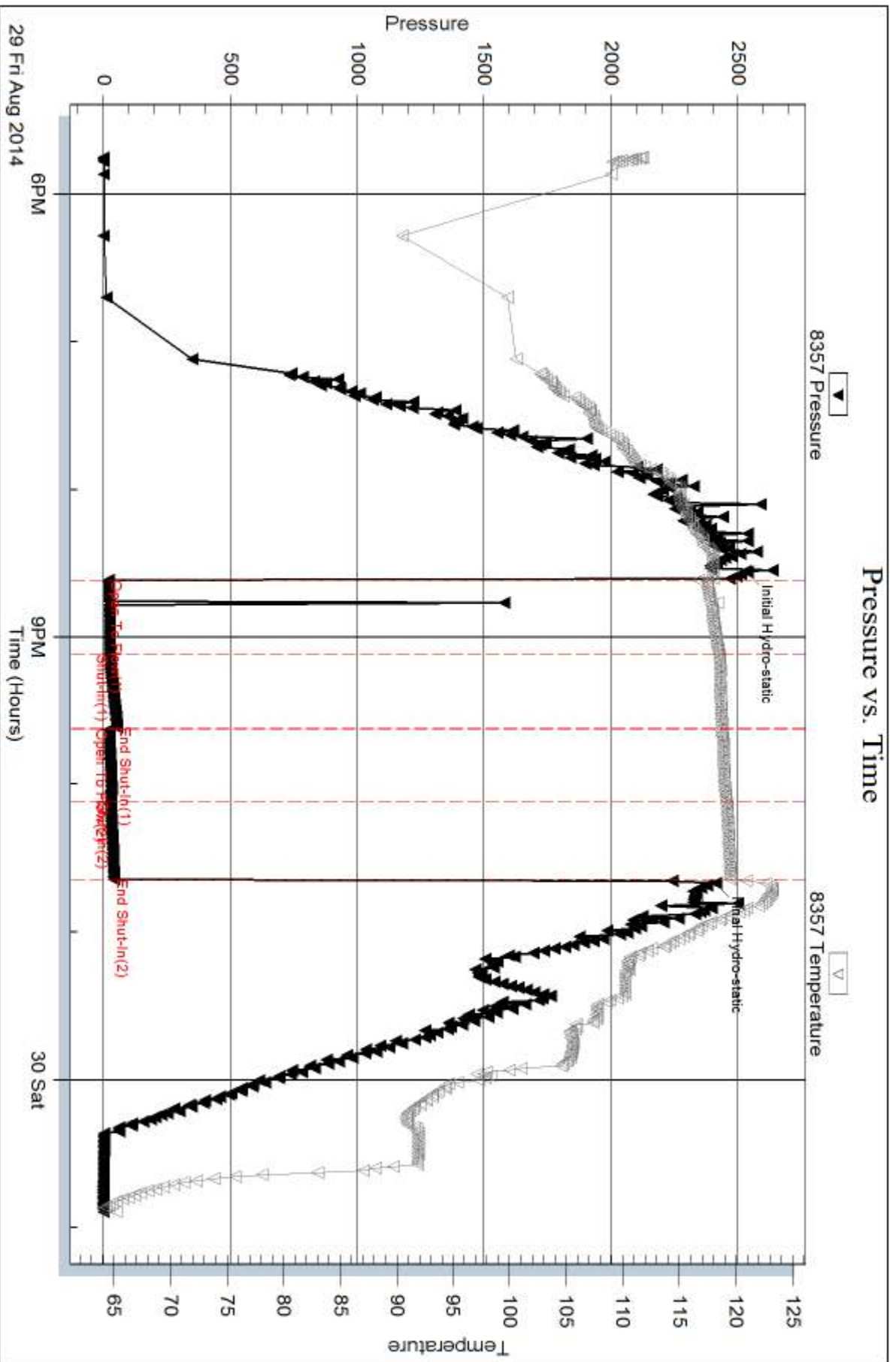
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW: @ Degrees F = PPM	0.000
5.00	M 100m	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: API: @ Degrees F =

Pressure vs. Time

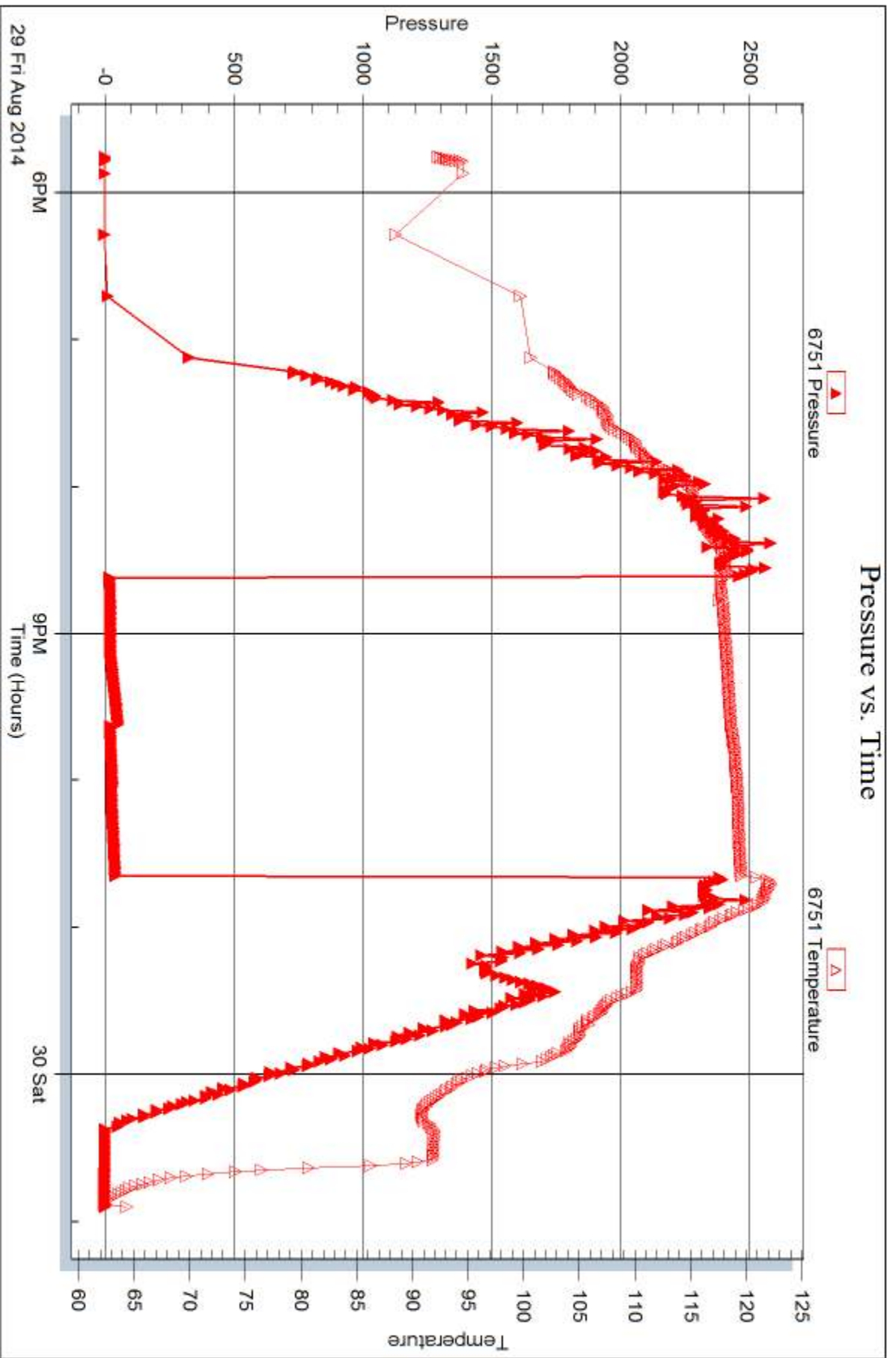


Serial #: 6751

Outside American Warrior, Inc

Clark #8-2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57380

Printed: 2014.09.02 @ 16:27:04



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Clark #6-2

S2-25s-31w Finney,KS

Start Date: 2014.08.30 @ 10:45:00

End Date: 2014.08.30 @ 18:40:00

Job Ticket #: 57381 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.09.02 @ 16:26:24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc
PO Box 399
Garden City KS 67846
ATTN: Wyatt Urban

S2-25s-31w Finney,KS

Clark #6-2

Job Ticket: 57381 **DST#: 2**
Test Start: 2014.08.30 @ 10:45:00

GENERAL INFORMATION:

Formation: **St. Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:09:30
Time Test Ended: 18:40:00
Interval: **4904.00 ft (KB) To 4950.00 ft (KB) (TVD)**
Total Depth: 4950.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Smith
Unit No: 61
Reference Elevations: 2855.00 ft (KB)
2844.00 ft (CF)
KB to GR/CF: 11.00 ft

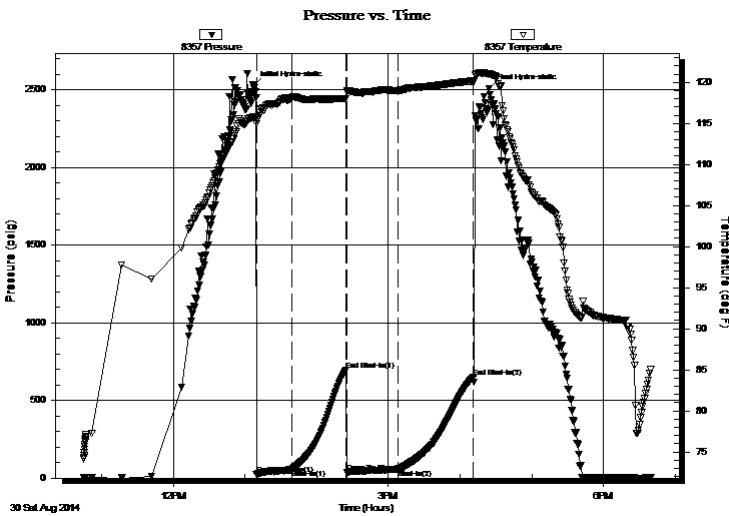
Serial #: 8357

Inside

Press@RunDepth: 58.59 psig @ 4906.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.08.30 End Date: 2014.08.30 Last Calib.: 2014.08.30
Start Time: 10:45:02 End Time: 18:40:00 Time On Btm: 2014.08.30 @ 13:07:20
Time Off Btm: 2014.08.30 @ 16:24:20

TEST COMMENT: 30- 4" Blow .
45- No return.
45- 5" Blow built to B.O.B. @ 10 minutes.
60- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2526.17	115.79	Initial Hydro-static
3	23.01	114.99	Open To Flow (1)
32	56.07	118.16	Shut-In(1)
77	695.32	118.04	End Shut-In(1)
79	35.83	118.92	Open To Flow (2)
121	58.59	119.01	Shut-In(2)
184	652.48	120.17	End Shut-In(2)
198	2507.17	121.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	GOCM 45g 2o 53m	0.77
45.00	GOWCM 10g 1o 2w 87m	0.63
0.00	140' Weak GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc

S2-25s-31w Finney,KS

PO Box 399
Garden City KS 67846

Clark #6-2

Job Ticket: 57381

DST#: 2

ATTN: Wyatt Urban

Test Start: 2014.08.30 @ 10:45:00

GENERAL INFORMATION:

Formation: **St. Louis**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:09:30

Time Test Ended: 18:40:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4904.00 ft (KB) To 4950.00 ft (KB) (TVD)

Reference Elevations: 2855.00 ft (KB)

Total Depth: 4950.00 ft (KB) (TVD)

2844.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 4906.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.30 End Date: 2014.08.30

Last Calib.: 2014.08.30

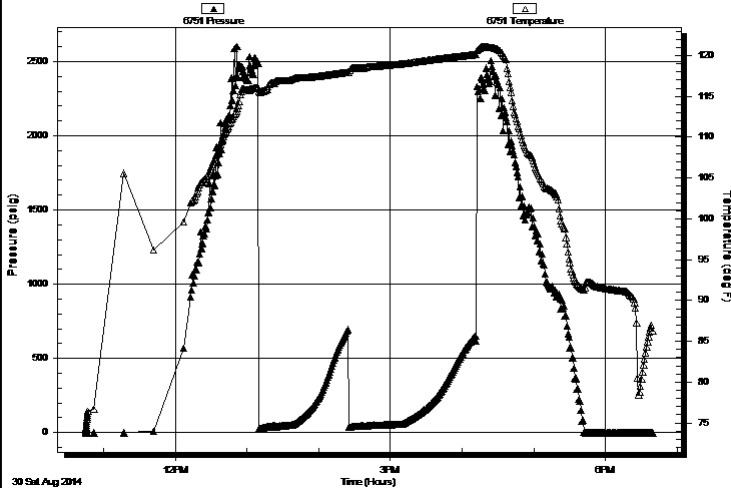
Start Time: 10:45:02 End Time: 18:40:00

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- 4" Blow .
45- No return.
45- 5" Blow built to B.O.B. @ 10 minutes.
60- No return.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
55.00	GOCM 45g 2o 53m	0.77
45.00	GOWCM 10g 1o 2w 87m	0.63
0.00	140' Weak GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc
PO Box 399
Garden City KS 67846
ATTN: Wyatt Urban

S2-25s-31w Finney,KS
Clark #6-2
Job Ticket: 57381 **DST#: 2**
Test Start: 2014.08.30 @ 10:45:00

Tool Information

Drill Pipe:	Length: 4895.00 ft	Diameter: 3.80 inches	Volume: 68.66 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	105000.0 lb
			<u>Total Volume: 68.66 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.50 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4904.00 ft			Final	75000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	46.00 ft				
Tool Length:	73.50 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			4877.50	
Shut In Tool	5.00			4882.50	
Hydraulic tool	5.00			4887.50	
Jars	5.00			4892.50	
Safety Joint	2.50			4895.00	
Packer	5.00			4900.00	27.50 Bottom Of Top Packer
Packer	4.00			4904.00	
Stubb	1.00			4905.00	
Perforations	1.00			4906.00	
Recorder	0.00	8357	Inside	4906.00	
Recorder	0.00	6751	Outside	4906.00	
Perforations	8.00			4914.00	
Change Over Sub	1.00			4915.00	
Drill Pipe	31.00			4946.00	
Change Over Sub	1.00			4947.00	
Bullnose	3.00			4950.00	46.00 Bottom Packers & Anchor
Total Tool Length:	73.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc
PO Box 399
Garden City KS 67846
ATTN: Wyatt Urban

S2-25s-31w Finney,KS
Clark #6-2
Job Ticket: 57381 **DST#: 2**
Test Start: 2014.08.30 @ 10:45:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 68.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3750.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

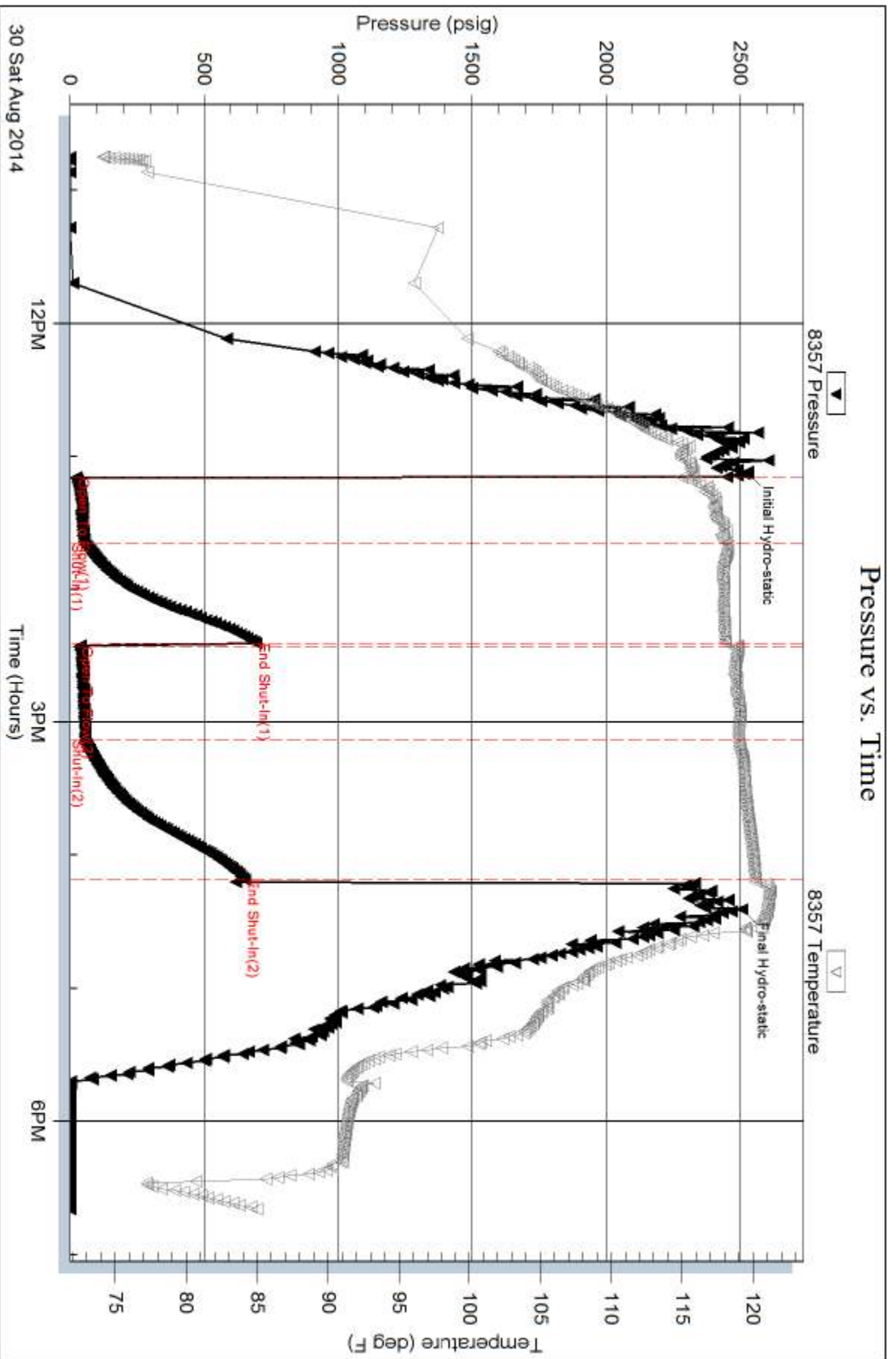
Length ft	Description	Volume bbl
55.00	GOCM 45g 2o 53m	0.772
45.00	GOWCM 10g 1o 2w 87m	0.631
0.00	140' Weak GIP	0.000

Total Length: 100.00 ft Total Volume: 1.403 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Water too little to measure RW.

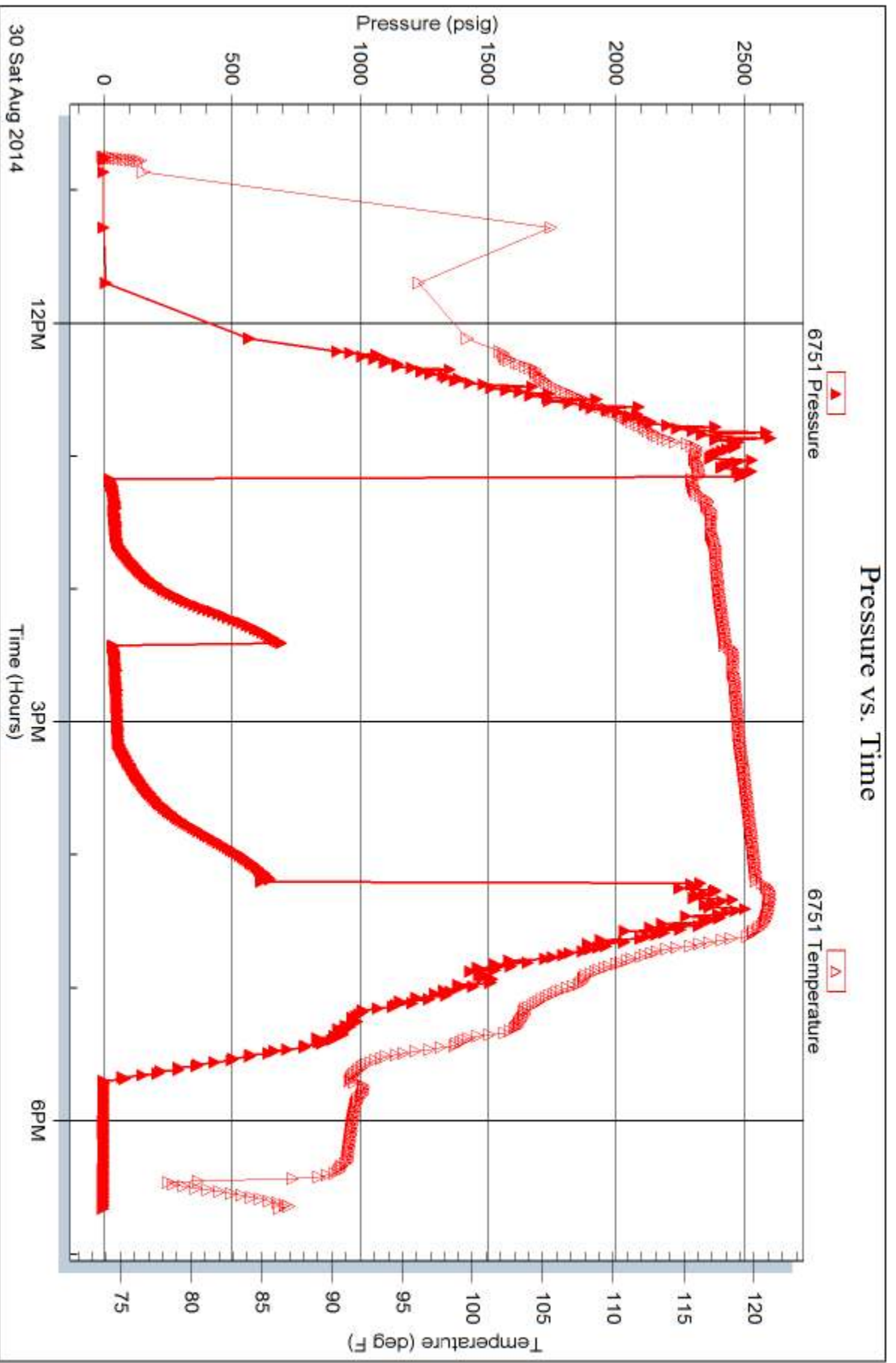


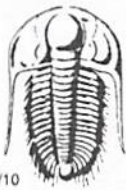
Serial #: 6751

Outside American Warrior, Inc

Clark #8-2

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57380

Well Name & No. Clark 6-2 Test No. 1 Date 8-29-14
 Company American Warrior, Inc. Elevation 2855 KB 2844 GL
 Address 3118 Cumming RD Garden city Ks, 67846
 Co. Rep / Geo. Wyatt Urban Rig Duke #10
 Location: Sec. 2 Twp. 25s Rge. 31w Co. Finney State Ks

Interval Tested 4838 4894 Zone Tested Morrow sand
 Anchor Length 56 Drill Pipe Run 4833.5 Mud Wt. 9.5
 Top Packer Depth 4833 Drill Collars Run Ø Vis 60
 Bottom Packer Depth 4838 Wt. Pipe Run Ø WL 8.8
 Total Depth 4894 Chlorides 3750 ppm System LCM 2

Blow Description No blow, flushed tool, surge died.
No return.
No blow.
No return.

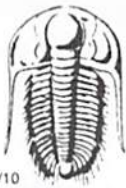
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>5</u>	Feet of <u>M</u>			%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 120 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 25.30 Test 1250 T-On Location 16:10
 (B) First Initial Flow 20 Jars 250 T-Started 17:45
 (C) First Final Flow 25 Safety Joint 75 T-Open 20:37
 (D) Initial Shut-In 53 Circ Sub NIC T-Pulled 22:39
 (E) Second Initial Flow 24 Hourly Standby _____ T-Out 00:54
 (F) Second Final Flow 29 Mileage 104 RT 161.20 Comments _____
 (G) Final Shut-In 41 Sampler _____
 (H) Final Hydrostatic 24.2 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1736.20
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1736.20

Approved By _____ Our Representative Chuck Smith

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. 57381

Well Name & No. Clark 6-2 Test No. 2 Date 8-30-14
 Company American Warriors, Inc. Elevation 2855 KB 2844 GL
 Address POB 399 Garden City, Ks 67846
 Co. Rep / Geo. Wyatt Urban Rig Duke #10
 Location: Sec. 2 Twp. 25s Rge. 3lw Co. Finney State K5

Interval Tested 4904-4950 Zone Tested St. Louis
 Anchor Length 46 Drill Pipe Run 489.5 Mud Wt. 9.5
 Top Packer Depth 4900 Drill Collars Run 0 Vis 68
 Bottom Packer Depth 4904 Wt. Pipe Run 0 WL 8.8
 Total Depth 4950 Chlorides 3750 ppm System LCM 1"
 Blow Description 4" Blow.
No return.
5" Blow built to B.O.B. @ 10 min.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>45</u>	Feet of <u>GOWCM</u>	<u>10</u>	<u>1</u>	<u>2</u>	<u>87</u>
Rec <u>55</u>	Feet of <u>GOCM</u>	<u>45</u>	<u>2</u>		<u>53</u>
Rec	Feet of <u>170' Weak GTP</u>				
Rec	Feet of <u>Water amount \$7.5.T.M. for RW</u>				

Rec Total 100 BHT 120 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2526</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>10:42</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>10:45</u>
(C) First Final Flow <u>56</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>13:10</u>
(D) Initial Shut-In <u>695</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>16:11</u>
(E) Second Initial Flow <u>36</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>18:40</u>
(F) Second Final Flow <u>59</u>	<input checked="" type="checkbox"/> Mileage <u>161.20</u>	Comments
(G) Final Shut-In <u>652</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2507</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1736.20</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1736.20</u>	

Approved By _____ Our Representative Chuck Arich

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.



NOTES

Company:American Warrior, Inc.Lease:Clark 6-2Field:PiercevilleLocation:1467' FSL & 379' FELSec:2 Twsp:25S Rge:31WCounty:Seward State:KansasKB:2855' GL:2844'API #:15-055-22-339-00-00Contractor:Duke Drilling Inc. (Rig #10)Spud:08/22/2014 Comp:08/31/2014RTD:5050' LTD:5049'Mud Up: 4500' Type Mud: ChemicalSamples Saved From: 4600' to RTDDrilling Time Kept From:4600' to RTDSamples Examined From: 4600' to RTDGeological Supervision from:4600' to RTDGeologist on Well: Wyatt UrbanSurface Casing: 8 5/8@ 1694'Electronic Surveys: Logged by: Pioneer Energy Service CNL/CDL, DIL, Micro

Image Header 02


American Warrior

Well Comparison

DRILLING WELL					COMPARISON WELL				
American Warrior- Clark 6-2 1467' FSL & 379' FEL 2-25S-31W					American Warrior - Clark 7-2 2046' FSL & 335' FEL 2-25S-31W				
2855 KB					2857 KB			Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	
Heebner	4020	-1165	4020	-1165	4021	-1164	-1	-1	
Lansing	4071	-1216	4071	-1216	4067	-1210	-6	-6	
Stark	4431	-1576	4431	-1576	4428	-1571	-5	-5	
BKC	4560	-1705	4560	-1705	4557	-1700	-5	-5	

Marmaton	4589	-1734	4589	-1734	4582	-1725	-9	-9
Pawnee	4661	-1806	4661	-1806	4655	-1798	-8	-8
Ft. Scott	4683	-1828	4683	-1828	4678	-1821	-7	-7
Cherokee	4700	-1845	4698	-1843	4693	-1836	-9	-7
Morrow	4862	-2007	4863	-2008	4853	-1996	-11	-12
Miss	4880	-2025	4880	-2025	4873	-2016	-9	-9
RTD	5050	-2195	5050	-2195	5050	-2193	-2	-2
LTD	5049	-2194	5049	-2194	5048	-2191	-3	-3

Image Header 03

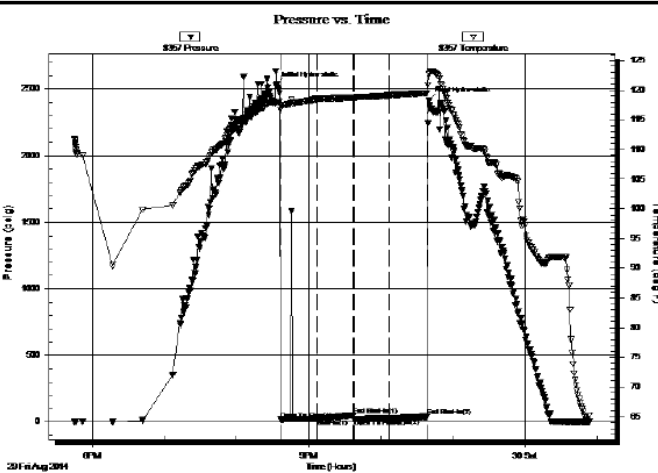
	DRILL STEM TEST REPORT	
	American Warrior, INC. POB 399 Garden City KS, 67846 ATTN: Wyatt Urban	S2-25s-31w Finney, KS Clark 6-2 Job Ticket: 57380 DST#: 1 Test Start: 2014.08.29 @ 17:45:00

GENERAL INFORMATION:

Formation: **Morrow Sand**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 20:36:50
 Time Test Ended: 00:53:50
 Interval: **4838.00 ft (KB) To 4894.00 ft (KB) (TVD)**
 Total Depth: 4894.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chuck Smith
 Unit No: 61
 Reference Elevations: 2855.00 ft (KB)
 2844.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8357 **Inside**
 Press@RunDepth: 28.92 psig @ 4840.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.29 End Date: 2014.08.30 Last Calib.: 2014.08.30
 Start Time: 17:45:02 End Time: 00:53:50 Time On Btm: 2014.08.29 @ 20:33:10
 Time Off Btm: 2014.08.29 @ 22:40:10

TEST COMMENT: 30- No blow , flushed tool, surge died.
 30- No return.
 30- No blow .
 30- No return.



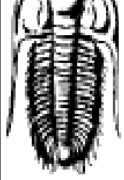
PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2529.54	117.94	Initial Hydro-static
4	19.51	116.67	Open To Flow (1)
34	24.67	118.48	Shut-in(1)
64	53.31	118.75	End Shut-in(1)
65	24.12	118.74	Open To Flow (2)
94	28.92	119.12	Shut-in(2)
126	41.21	119.52	End Shut-in(2)
127	2412.46	122.62	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	M 100m	0.07

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/c)

Image Header 04

	DRILL STEM TEST REPORT	



**HILOBITE
TESTING, INC.**

American Warrior, INC.
POB 399
Garden City KS, 67846
ATTN: Wyatt Urban

S2-25s-31w Finney, KS

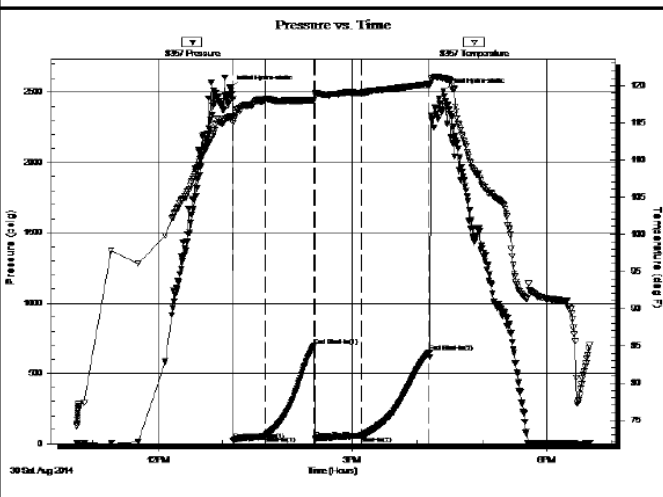
Clark 6-2
Job Ticket: 57381 **DST#:2**
Test Start: 2014.08.30 @ 10:45:00

GENERAL INFORMATION:

Formation: **St. Louis**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 13:09:30
Time Test Ended: 18:40:00
Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Smith
Unit No: 61
Interval: **4904.00 ft (KB) To 4950.00 ft (KB) (TVD)**
Total Depth: 4950.00 ft (KB) (TVD)
Reference Elevations: 2855.00 ft (KB)
2844.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good
KB to GR/CF: 11.00 ft

Serial #: 8357 Inside
Press@RunDepth: 58.59 psig @ 4906.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.08.30 End Date: 2014.08.30 Last Calib.: 2014.08.30
Start Time: 10:45:02 End Time: 18:40:00 Time On Btm: 2014.08.30 @ 13:07:20
Time Off Btm: 2014.08.30 @ 16:24:20

TEST COMMENT: 30- 4" Blow .
45- No return.
45- 5" Blow built to B.O.B. @ 10 minutes.
60- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2526.17	115.79	Initial Hydro-static
3	23.01	114.99	Open To Flow (1)
32	56.07	118.16	Shut-in(1)
77	695.32	118.04	End Shut-in(1)
79	35.83	118.92	Open To Flow (2)
121	58.59	119.01	Shut-in(2)
184	652.48	120.17	End Shut-in(2)
198	2507.17	121.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	GOCM 45g 2o 53m	0.77
45.00	GOWCM 10g 1o 2w 87m	0.63
0.00	140' Weak GIP	0.00

* Recovery from multiple tests

Gas Rates

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

ROCK TYPES

- sdy lmst
- Lmst fw7>
- Carbon Sh
- Lmst fw<7
- shale, grn
- Ss

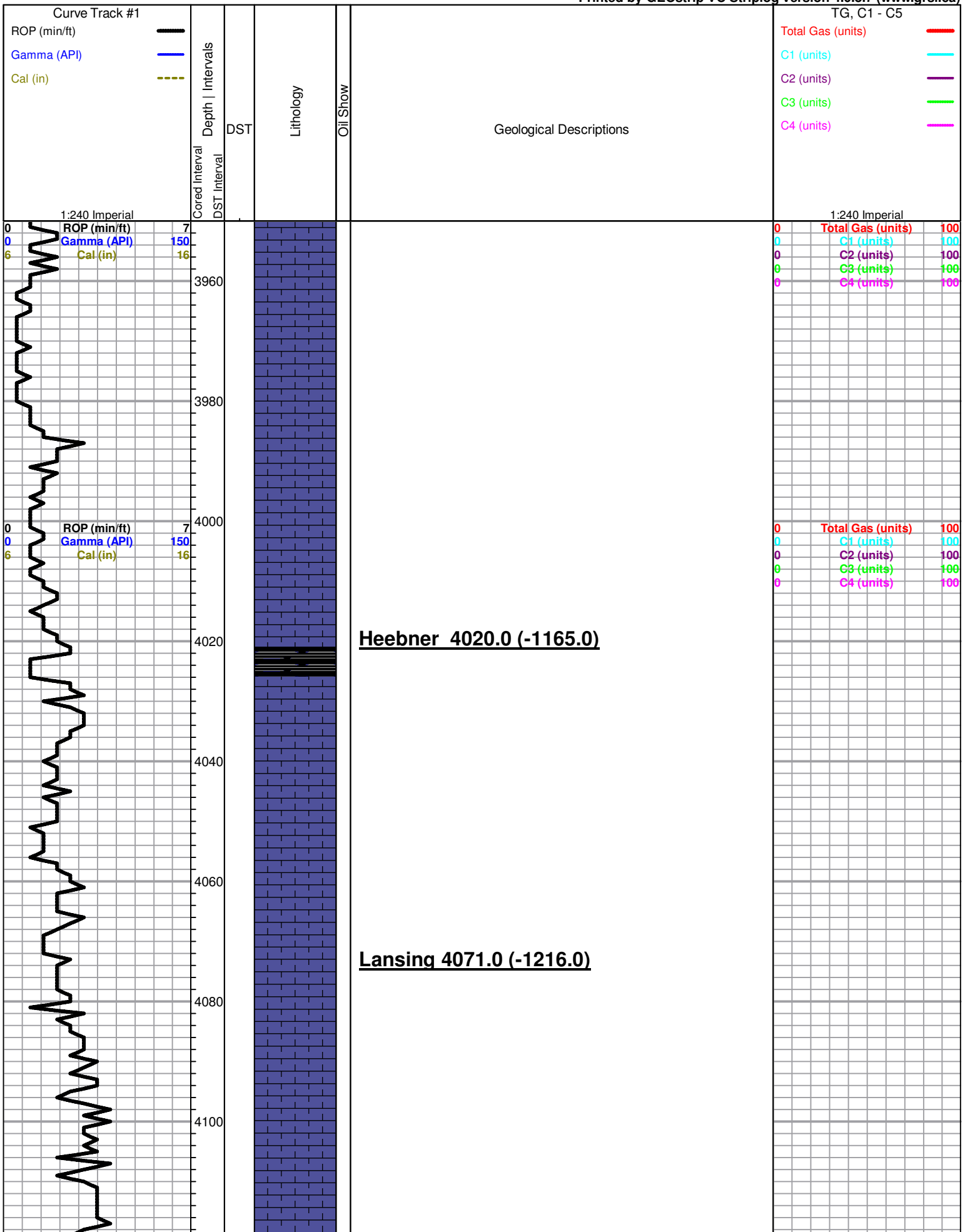
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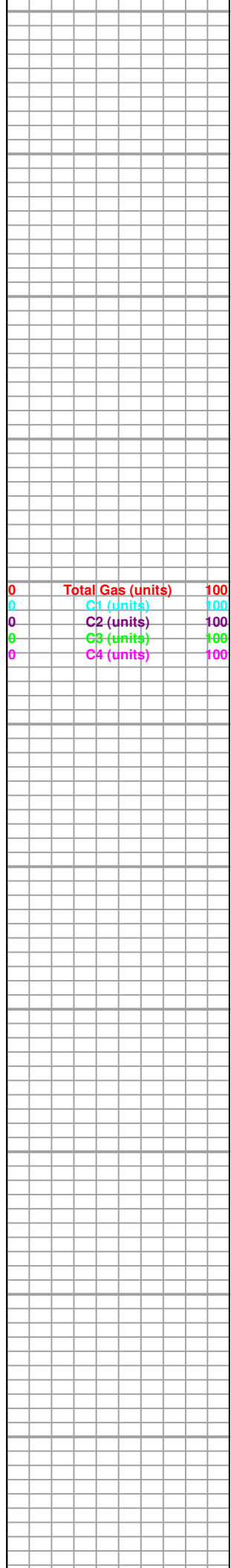
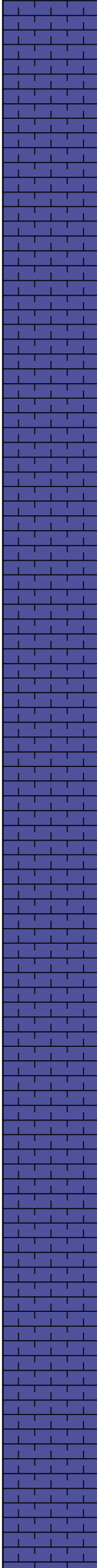
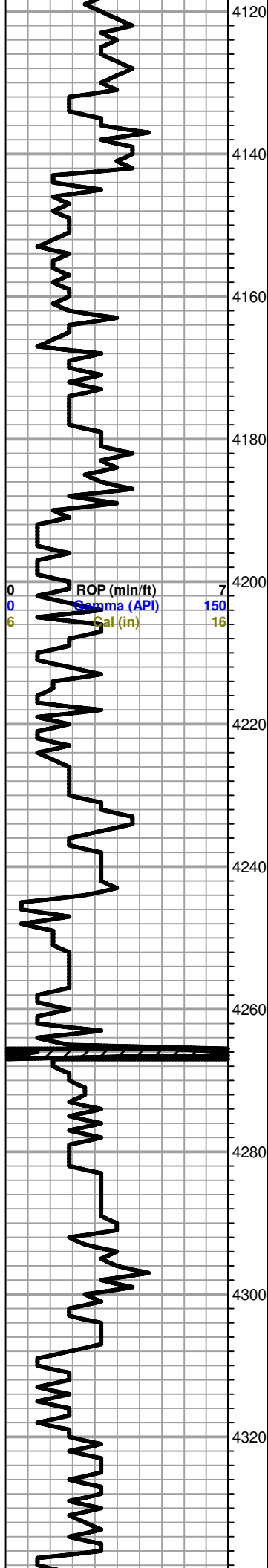
- FOSSIL**
φ Oolite
- STRINGER**
~~~~ Chert

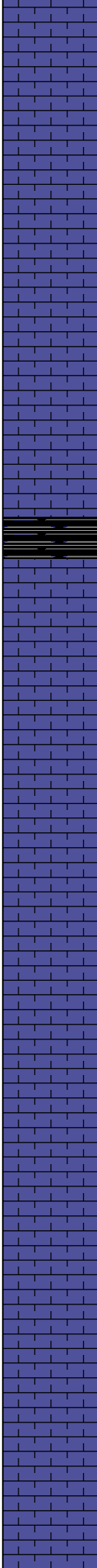
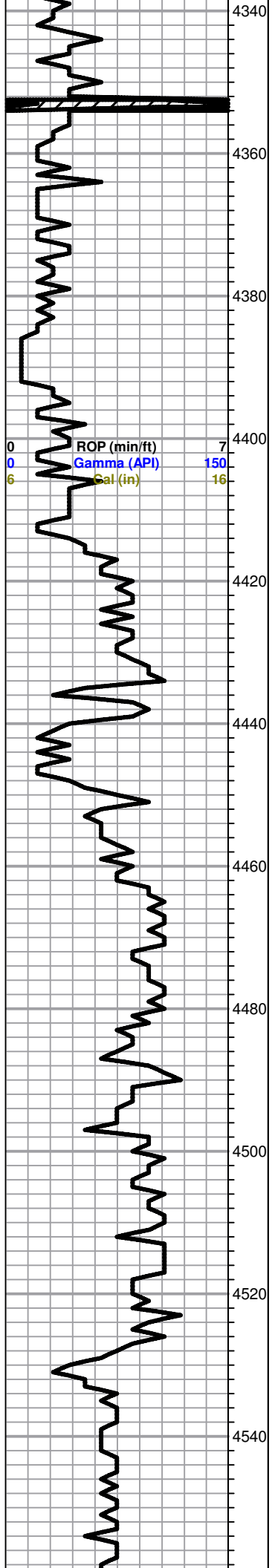
**OTHER SYMBOLS**

- Oil Show**  
● Good Show  
● Fair Show  
● Poor Show  
○ Spotted or Trace
- DST**  
■ DST Int  
■ DST alt  
■ Core  
|| tail pipe

- Questionable Stn
- Dead Oil Stn
- Fluorescence
- \* Gas

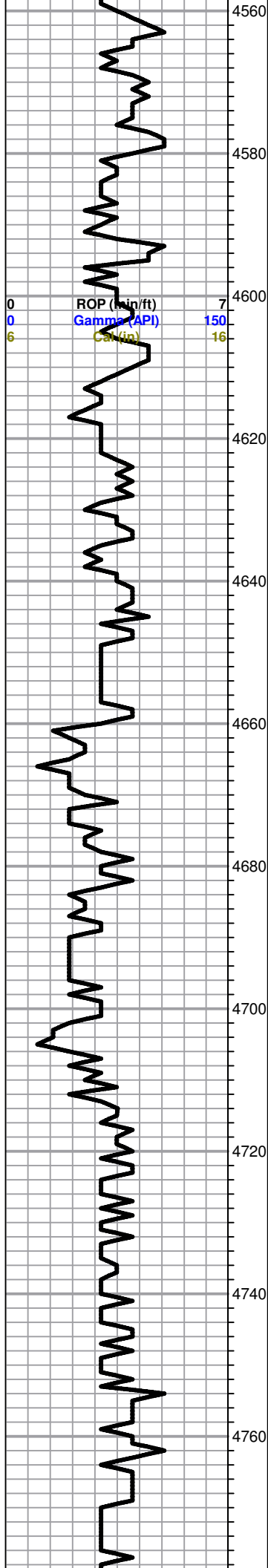






**BKC 4431.0 (-1576.0)**

|   |                   |     |
|---|-------------------|-----|
| 0 | Total Gas (units) | 100 |
| 0 | C1 (units)        | 100 |
| 0 | C2 (units)        | 100 |
| 0 | C3 (units)        | 100 |
| 0 | C4 (units)        | 100 |



**Marmaton 4589.0 (-1734.0)**

|   |                   |     |
|---|-------------------|-----|
| 0 | Total Gas (units) | 100 |
| 0 | C1 (units)        | 100 |
| 0 | C2 (units)        | 100 |
| 0 | C3 (units)        | 100 |
| 0 | C4 (units)        | 100 |

LS, cream, white, FXL, few foss, poor visible porosity, no shows

**Pawnee 4661.0 (-1806.0)**

Black carb Sh.

LS, tan, brown FXL, dense, poor visible porosity, few foss, N/S

**Ft. Scott 4683.0 (-1828.0)**

Black carb Sh.

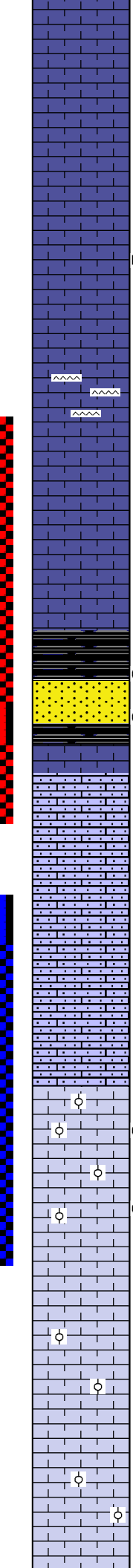
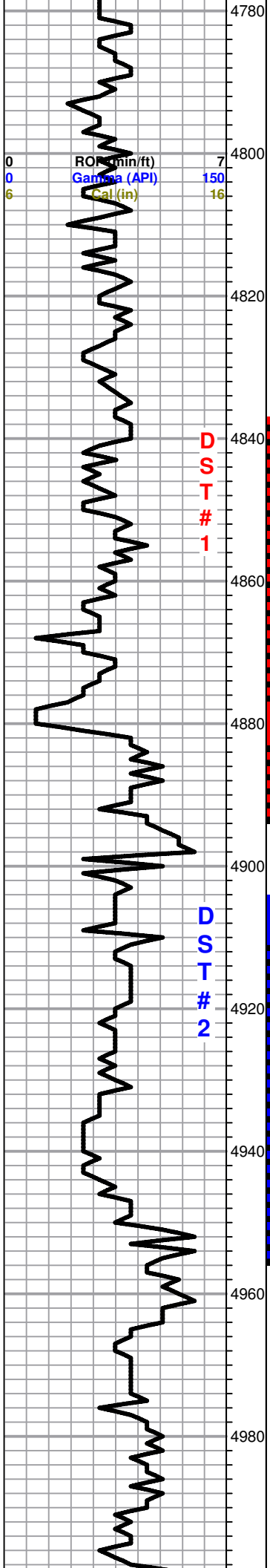
**Cherokee 4700.0 (-1845.0)**

Black carb Sh.

LS, tan, buff, FXL, cherty, poor visible porosity, no shows

LS, brown, tan, FXL, dense, poor visible porosity, few foss, no shows

LS, A/A,  
Slug gry, silty sh.



LS, cream, tan, FXL, cherty, poor visible porosity, dense, no shows

LS, buff, tan, FXL, V. chalky, poor visible porosity, Lt. flor. cut, NSFO, no odor

LS, buff, tan, FXL, dense, poor scattered porosity, Trc. tan, opaque Chert

LS, tan, buff, brown, FX, few foss, poor scattered porosity, no shows

Sh. maroon, gry, black

**Morrow 4862.0 (-2007.0)**

Sh. maroon, gry, black, Trc. Sd. gry, F. grain, well sorted, Lt. SFO, Strong Odor

Sd. gry, F. grain, wel sorted, Lt. SFO, odor, Trc. black stain,

**Miss 4881.0 (-2026.0)**

LS, tan, white, FXL, dense, cherty, no shows

LS, tan, brown, sub oom, friable, no shows

LS, tan, brown, sub oom, friable, no shows

LS, tan, white, ool, poor vuggy, oom, porosity, Lt. spotty SFO, trc. brown stain,

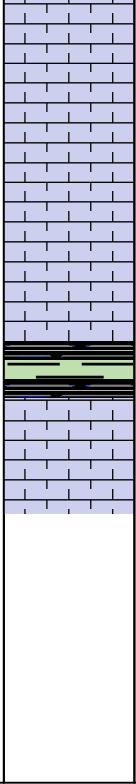
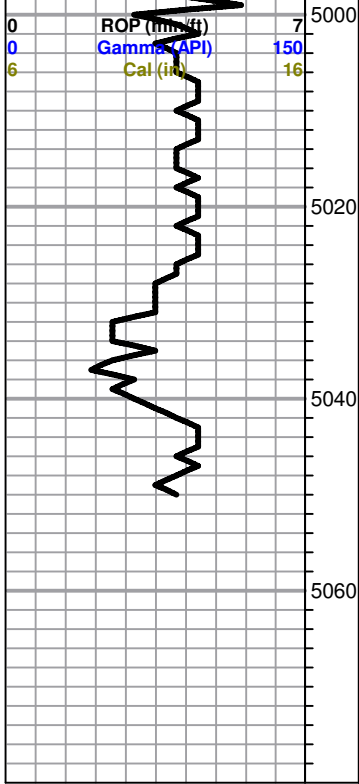
LS, tan, oom, poor to fair oom vuggy porosity, chalky, good SFO when broken, golden brown stain, no odor

LS, cream, white, ool, poorly developed, chalky, poor scattered porosity, no shows

LS, tan, white, F-med XLN, ool, chalky, poor scattered porosity, no shows

|   |                   |     |
|---|-------------------|-----|
| 0 | Total Gas (units) | 100 |
| 0 | C1 (units)        | 100 |
| 0 | C2 (units)        | 100 |
| 0 | C3 (units)        | 100 |
| 0 | C4 (units)        | 100 |





LS, tan, F-Med XLN, ool, chalky, poor scattered porosity, no shows

LS, A/A

Slug of back carb, green, maroon shale

**RTD 5050' LTD 5048'**

|   |                   |     |
|---|-------------------|-----|
| 0 | Total Gas (units) | 100 |
| 0 | C1 (units)        | 100 |
| 0 | C2 (units)        | 100 |
| 0 | C3 (units)        | 100 |
| 0 | C4 (units)        | 100 |