



KANSAS CORPORATION COMMISSION 1150978
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1150978

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Glen McCully 6-15
Doc ID	1150978

All Electric Logs Run

Induction
Porosity
Sonic
Micro

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Glen McCully 6-15
Doc ID	1150978

Tops

Name	Top	Datum
Heebner	4182	-1177
Lansing	4305'	-1300
Stark	4808'	-1803
Marmaton		-1984
Cherokee	5192'	-2187
Morrow	5614'	-2609
Chester	5919	-2907
Chester B	5957'	-2952
Chester A	6043'	-3038



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

TICKET No 24702

PAGE 1 OF 2

SERVICE LOCATIONS: Ness City KS
 WELL/PROJECT NO. 6-15 LEASE Alan McCully COUNTY/PARISH Stevens STATE KS CITY Sabuta DATE 4 MAY 13 OWNER
 TICKET TYPE SERVICE SALES CONTRACTOR DUKE RIG NAME/NO. 9 SHIPPED VIA CT DELIVERED TO location ORDER NO.
 WELL TYPE OT WELL CATEGORY Development JOB PURPOSE Cement long string WELL PERMIT NO. WELL LOCATION 15-32-35
 REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE	TRK	110	120	mi	6.00	720.00	
578		1			Pump Charge			1	ea	1500.00	1500.00	
402		1			Centralizer			5 1/2	in	9 ea	70.00	630.00
403		1			Cement Basket			5 1/2	in	2 ea	285.00	570.00
406		1			Latch down plug & baffle			5 1/2	in	1 ea	275.00	275.00
407		1			Insert float shoe w/ AUTO FILL			5 1/2	in	1 ea	375.00	375.00

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

JOSE REYO
 DATE SIGNED 5-4-2013 TIME SIGNED 2:50 A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	1	4070.00
	2	7193.65
subtotal		11,263.65
Stevens TAX 6.3%		444.21
TOTAL		11,707.86

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!



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

TICKET CONTINUATION

TICKET No. 24702

CUSTOMER American Warrior
WELL Hen McCully 6-15
DATE 4 MAY 13
PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UOM.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
330		1				SMD cement	250	sk			17.00	4250.00
276		1				Flxale	75	lb			2.00	150.00
281		1				mud flush	510	gal			1.25	625.00
221		1				KCh liquid	2	gal			25.00	50.00
290		1				D-ATK	3	gal			42.00	126.00
581		1				SERVICE CHARGE	250				2.00	500.00
583		1				MILEAGE CHARGE	2437				1.00	1492.65
						TOTAL WEIGHT	2437					
						LOADED MILES	120					
						TON MILES	1492.65					

CONTINUATION TOTAL 7193.65

JOB LOG

SWIFT Services, Inc.

DATE MAY 13 PAGE NO. 1

CUSTOMER American Warrior WELL NO. 6-15 LEASE Alan McCully JOB TYPE Cement long string TICKET NO. 24702

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								250 SK SMD w/ 1/2" Floater TD=6240'
								5 1/2" x 17" casing 162 joints 6228'
								Shrink 42' Basket #6 #11
								Cent 1, 2, 3, 5, 7, 9, 11, 12, 15
	1700							on loc TRK 110
	1710							start 5 1/2" 17" casing in well
	2030							Drop ball - circulate
	2110	4 3/4	12				200	Pump 500 gal mud flush
		4 3/4	20				200	Pump 20 bbl KCh flush
	2115		11					Plug RH-MH 30sk - 20sk
	2120	4 3/4	25				200	mix SMD cement 50sk @ 12.7 ppg
		4 3/4	24				200	mix SMD cement 100sk @ 13.5 ppg
		4 3/4	13				200	mix SMD cement 50sk @ 14.5 ppg
								200 total
	2140							Drop latch down plug wash out pump & line
	2145	7					250	Displace plug
		7	130				1100	
	2215	7	143				2000	Land plug
								Release pump to truck - dried up
								wash truck
								Rack up
	2250							job complete Fluents Russ Dore & Blaine



DRILL STEM TEST REPORT

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

PO Box 399
Garden City, KS 67846

ATTN: Keith Reavis

Glen McCulley #6-15

S15-32s-35w Stevens, KS

Start Date: 2013.05.02 @ 20:55:00

End Date: 2013.05.03 @ 05:34:30

Job Ticket #: 51741 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.09 @ 08:09:21

American Warrior, Inc.

S15-32s-35w Stevens, KS

Glen McCulley #6-15

DST # 1

Chester Sand

2013.05.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior, Inc.
PO Box 399
Garden City, KS 67846
ATTN: Keith Reavis

S15-32s-35w Stevens, KS

Glen McCulley #6-15

Job Ticket: 51741

DST#: 1

Test Start: 2013.05.02 @ 20:55:00

GENERAL INFORMATION:

Formation: **Chester Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:08:20

Time Test Ended: 05:34:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: 6057.00 ft (KB) To 6139.00 ft (KB) (TVD)

Reference Elevations: 3005.00 ft (KB)

Total Depth: 6139.00 ft (KB) (TVD)

2992.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 49.95 psig @ 6058.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.02

End Date:

2013.05.03

Last Calib.: 2013.05.03

Start Time: 20:55:02

End Time:

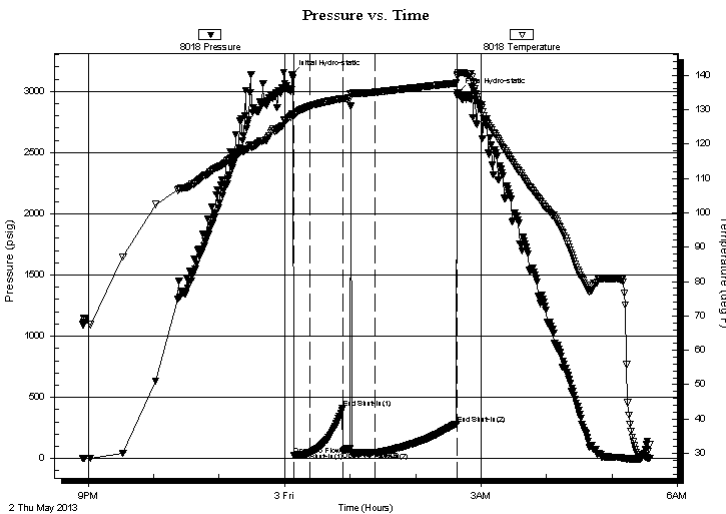
05:34:30

Time On Btm: 2013.05.03 @ 00:06:50

Time Off Btm: 2013.05.03 @ 02:38:30

TEST COMMENT: 1/2" Blow .
No return.
No blow , flushed tool, surge died.
No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3133.59	128.51	Initial Hydro-static
2	28.01	128.41	Open To Flow (1)
17	53.84	131.11	Shut-In(1)
47	409.23	133.26	End Shut-In(1)
47	59.47	133.03	Open To Flow (2)
77	49.95	135.10	Shut-In(2)
151	281.56	137.76	End Shut-In(2)
152	2989.55	140.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	M100m	0.25

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

S15-32s-35w Stevens, KS

PO Box 399
Garden City, KS 67846

Glen McCulley #6-15

Job Ticket: 51741

DST#: 1

ATTN: Keith Reavis

Test Start: 2013.05.02 @ 20:55:00

Tool Information

Drill Pipe:	Length: 5873.00 ft	Diameter: 3.80 inches	Volume: 82.38 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 188.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 83.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.50 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	6057.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	109.50 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			6030.50	
Shut In Tool	5.00			6035.50	
Hydraulic tool	5.00			6040.50	
Jars	5.00			6045.50	
Safety Joint	2.50			6048.00	
Packer	5.00			6053.00	27.50 Bottom Of Top Packer
Packer	4.00			6057.00	
Stubb	1.00			6058.00	
Recorder	0.00	8018	Inside	6058.00	
Recorder	0.00	6751	Outside	6058.00	
Perforations	13.00			6071.00	
Change Over Sub	1.00			6072.00	
Drill Pipe	63.00			6135.00	
Change Over Sub	1.00			6136.00	
Bullnose	3.00			6139.00	82.00 Bottom Packers & Anchor

Total Tool Length: 109.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.
PO Box 399
Garden City, KS 67846
ATTN: Keith Reavis

S15-32s-35w Stevens, KS
Glen McCulley #6-15
Job Ticket: 51741 **DST#: 1**
Test Start: 2013.05.02 @ 20:55:00

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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	M 100m	0.246

Total Length: 50.00 ft Total Volume: 0.246 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

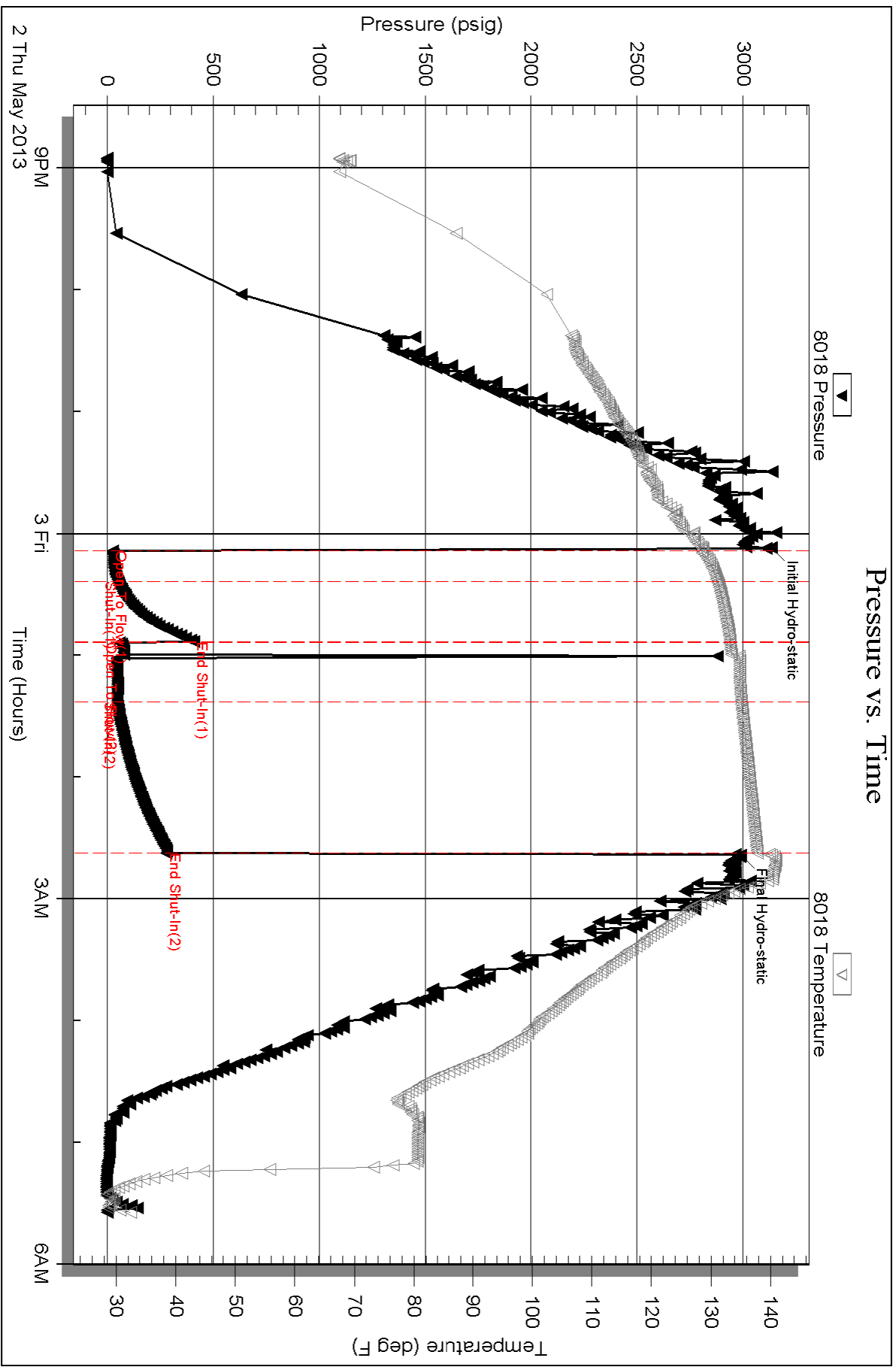
Serial #: 8018

Inside

American Warrior, Inc.

Glen McCulley #6-15

DST Test Number: 1

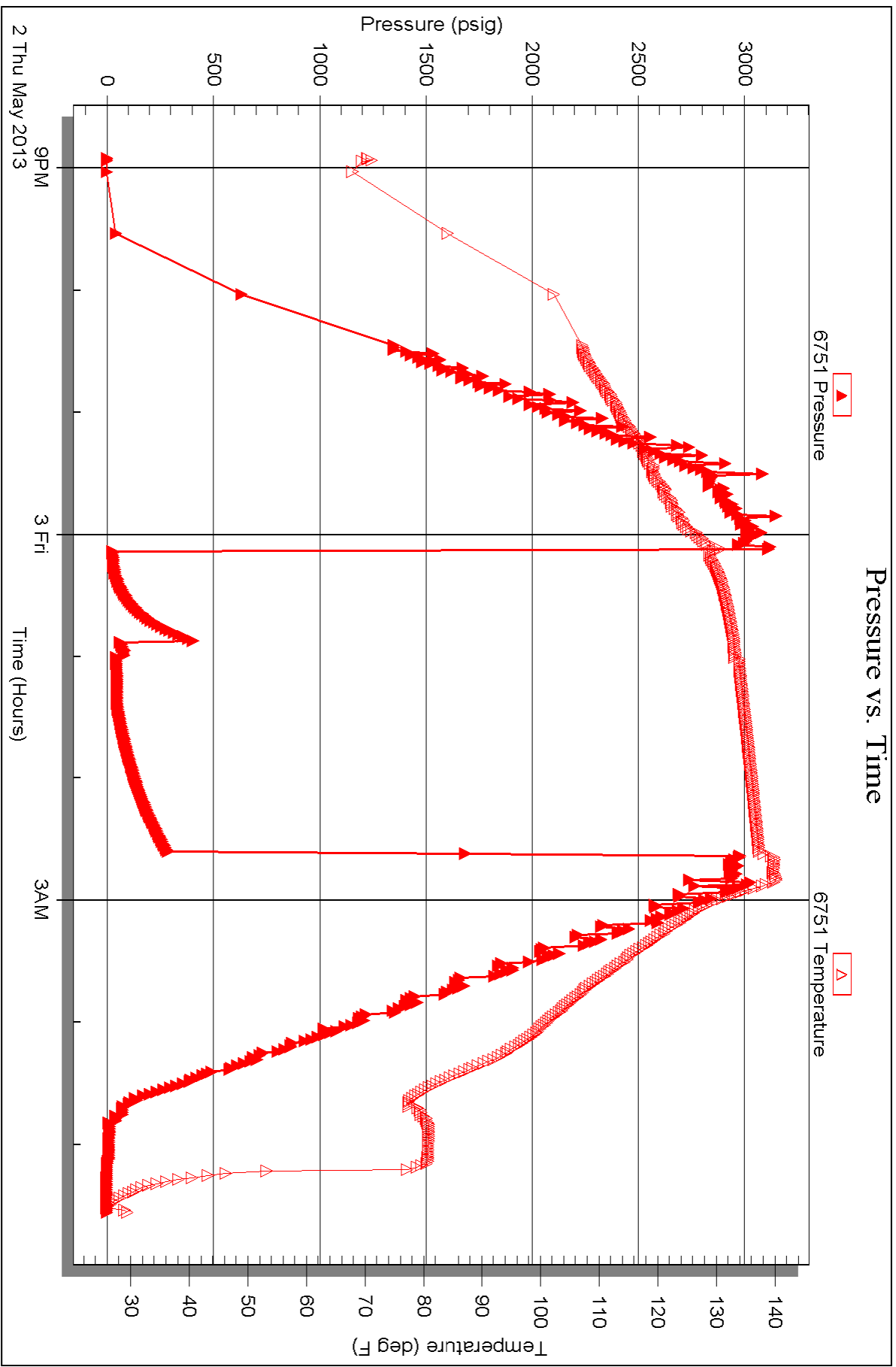


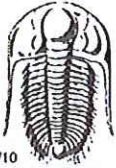
Serial #: 6751

Outside American Warrior, Inc.

Glen McCulley #6-15

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51741

Well Name & No. Glen McCulley #6-15 Test No. 1 Date 5-2-13
 Company American Warriors Inc. Elevation 2992 KB 3005 GL
 Address POB 399 Garden City, KS 67846
 Co. Rep / Geo. Keith Reavis Rig Duke #9
 Location: Sec. 15 Twp. 32s Rge. 35w Co. Sewo Stevens State Ks

Interval Tested 6057-6139 Zone Tested Chester Sand
 Anchor Length 82 Drill Pipe Run 5873 Mud Wt. 9.1
 Top Packer Depth 605.3 Drill Collars Run 188 Vis 54
 Bottom Packer Depth 6057 Wt. Pipe Run 0 WL 6.8
 Total Depth 6139 Chlorides 2000 ppm System LCM 10⁴

Blow Description 1/2" Blow.
No return.
No blow, flushed tool, surge died
No return

Rec	Feet of	%gas	%oil	%water	%mud
Rec	<u>50</u> Feet of <u>M</u>				<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 50 BHT 138 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	<u>3134</u>	<input checked="" type="checkbox"/> Test	<u>1450</u>	T-On Location	<u>19:45</u>
(B) First Initial Flow	<u>28</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>20:55</u>
(C) First Final Flow	<u>54</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>00:08</u>
(D) Initial Shut-In	<u>409</u>	<input checked="" type="checkbox"/> Circ Sub	<u>NIC</u>	T-Pulled	<u>2:38</u>
(E) Second Initial Flow	<u>59</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>5:35</u>
(F) Second Final Flow	<u>50</u>	<input checked="" type="checkbox"/> Mileage	<u>100RT</u> 200rt 310	Comments	
(G) Final Shut-In	<u>282</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2990</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open	<u>15</u>	<input type="checkbox"/> Shale Packer		<input checked="" type="checkbox"/> Ruined Packer	<u>320</u>
Initial Shut-In	<u>30</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies	
Final Flow	<u>30</u>	<input type="checkbox"/> Extra Recorder		Sub Total	<u>320</u>
Final Shut-In	<u>68</u>	<input type="checkbox"/> Day Standby		Total	<u>2405</u>
		<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>2085</u>		

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.

OPERATOR

Company: American Warrior, Inc.
 Address: 3116 Cummings Road
 P.O. Box 399
 Garden City, KS 67846
 Contact Geologist: Kevin Wiles
 Contact Phone Nbr: 620-275-2963
 Well Name: Glen McCulley #6-15
 Location: Sec. 15 - T32S - R35W
 Pool: Sec. 15 - T32S - R35W
 State: Kansas
 API: 15-189-22796-0000
 Field: Larrabee West
 Country: USA

Scale 1:240 Imperial

Well Name: Glen McCulley #6-15
 Surface Location: Sec. 15 - T32S - R35W
 Bottom Location:
 API: 15-189-22796-0000
 License Number: 4058
 Spud Date: 4/24/2013 Time: 00:00
 Region: Stevens County
 Drilling Completed: 5/3/2013 Time: 17:50
 Surface Coordinates: 400' FNL & 2284' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 2992.00ft
 K.B. Elevation: 3005.00ft
 Logged Interval: 4200.00ft To: 6240.00ft
 Total Depth: 6240.00ft
 Formation: Mississippian
 Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 400' FNL
 E/W Co-ord: 2284' FEL

LOGGED BY

Keith Reavis
Consulting Geologist

Company: Keith Reavis, Inc.
 Address: 3420 22nd Street
 Great Bend, KS 67530
 Phone Nbr: 620-617-4091
 Logged By: KLG #136 Name: Keith Reavis

CONTRACTOR

Contractor: Duke Drilling Company
 Rig #: 9
 Rig Type: mud rotary
 Spud Date: 4/24/2013 Time: 00:00
 TD Date: 5/3/2013 Time: 17:50
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 3005.00ft Ground Elevation: 2992.00ft
 K.B. to Ground: 13.00ft

NOTES

The operator elected to set 5 1/2 inch production casing and further test the Chester Sand through perforations and stimulation.

A Bloodhound gas detection system operated by Bluestem Environmental was employed on this well. The ROP and gas data were imported into this mudlog. The gamma ray and caliper curves from the electrical log suite were also imported. Log tops were generally 2-5 ft. low to sample tops picked in the field. Neither the electrical log curves or ROP curve were shifted to provide an exact match, but left as recorded in the field.

The samples from this well were saved and will be available for review at the Kansas Geological Survey Well Sample Library located in Wichita, KS.

Respectfully submitted,
 Keith Reavis


American Warrior
daily drilling report

DATE	7:00 AM DEPTH	REMARKS
04/27/2013		Geologist Keith Reavis on location @ 1355 hrs, 4410 ft., drilling ahead upper Lansing, check bloodhound, plot-adjust drill time and gas
04/28/2013	4892	drilling ahead, lower LKC, Stark, run wiper/short trip @ 4991', resume drilling, Marmaton, Cherokee
04/29/2013	5276	drilling ahead, Cherokee, bit trip @ 5276', out with PDC in with button, resume drilling
04/30/2013	5474	drilling ahead, Cherokee, Atokan, Morrow
05/01/2013	5807	drilling ahead, Morrow, Chester
05/02/2013	6059	drilling ahead, Chester, sands in lower a show and kick warrant test, short trip, TOH w/bit, in with tools, run DST #1
05/03/2013	6139	conduct and complete DST #1, successful test, TIH w/bit, resume drilling rathole to TD of 6240 ft. TD @ 1855 hrs, ctch, TOH w/bit, wait on loggers
05/04/2013	6240	rig up logging truck, conduct and complete logging operations 0700 hrs.

American Warrior
well comparison sheet

DRILLING WELL					COMPARISON WELL			
Glen McCulley #6-15					Mobil - Glen McCulley #1			
400' FNL & 2284' FEL					660' FNL & 1320' FEL			
Sec 15-T32S-R35W					Sec 15-T32S-R35W			
3005 KB					2987 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log
Heebner	4182	-1177	4187	-1182	4179	-1192	15	10
Lansing	4305	-1300	4312	-1307	4301	-1314	14	7
Stark	4808	-1803	4812	-1807	4795	-1808	5	1
Marmaton	4989	-1984	4992	-1987	4975	-1988	4	1
Cherokee	5192	-2187	5194	-2189	5178	-2191	4	2
Atokan	5434	-2429	5436	-2431	5418	-2431	2	0
Morrow	5614	-2609	5614	-2609	5596	-2609	0	0
Morrow LS mem	5804	-2799	5804	-2799	5790	-2803	4	4
Miss/Chest	5909	-2904	5900	-2895	5895	-2908	4	13
Cherokee B	5957	-2952	5959	-2954	5945	-2958	6	4
Chester A	6043	-3038	6049	-3044	6030	-3043	5	-1
A Sand	6101	-3096	6105	-3100	6106	-3119	23	19
St. Gen	6136	-3131	6142	-3137	6128	-3141	10	4
Total Depth	6240	-3235	6240	-3235	6351	-3364	129	129

Drill Stem Test #1



DRILL STEM TEST REPORT

American Warrior, Inc. S15-32s-35w Stevens, KS
 POB 399 Garden City, KS 67846
 ATTN: Keith Reavis

Glen McCulley #6-15
 Job Ticket: 51741 DST#: 1
 Test Start: 2013.05.02 @ 20:55:00

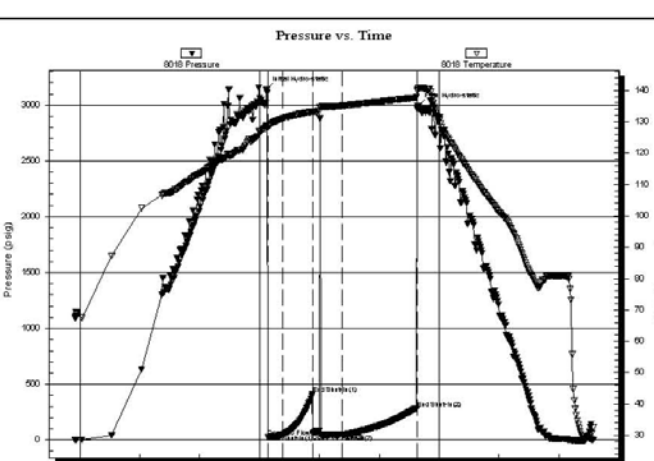
GENERAL INFORMATION:

Formation: **Chester Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:08:20
 Time Test Ended: 05:34:30
 Interval: **6057.00 ft (KB) To 6139.00 ft (KB) (TVD)**
 Total Depth: 6139.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches-Hole Condition: Good
 Reference Elevations: 3005.00 ft (KB)
 2992.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8018 Inside

Press@RunDepth: 49.95 psig @ 6058.00 ft (KB)
 Start Date: 2013.05.02 End Date: 2013.05.03
 Start Time: 20:55:02 End Time: 05:34:30
 Capacity: 8000.00 psig
 Last Calib.: 2013.05.03
 Time On Btm: 2013.05.03 @ 00:06:50
 Time Off Btm: 2013.05.03 @ 02:38:30

TEST COMMENT: 1/2" Blow.
 No return.
 No blow, flushed tool, surge died.
 No return.



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	3133.59	128.51	Initial Hydro-static
2	28.01	128.41	Open To Flow (1)
17	53.84	131.11	Shut-In(1)
47	409.23	133.26	End Shut-In(1)
47	59.47	133.03	Open To Flow (2)
77	49.95	135.10	Shut-In(2)
151	281.56	137.76	End Shut-In(2)
152	2989.55	140.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: @ Degrees F = PPM	0.00
50.00	M 100m	0.25

Gas Rates

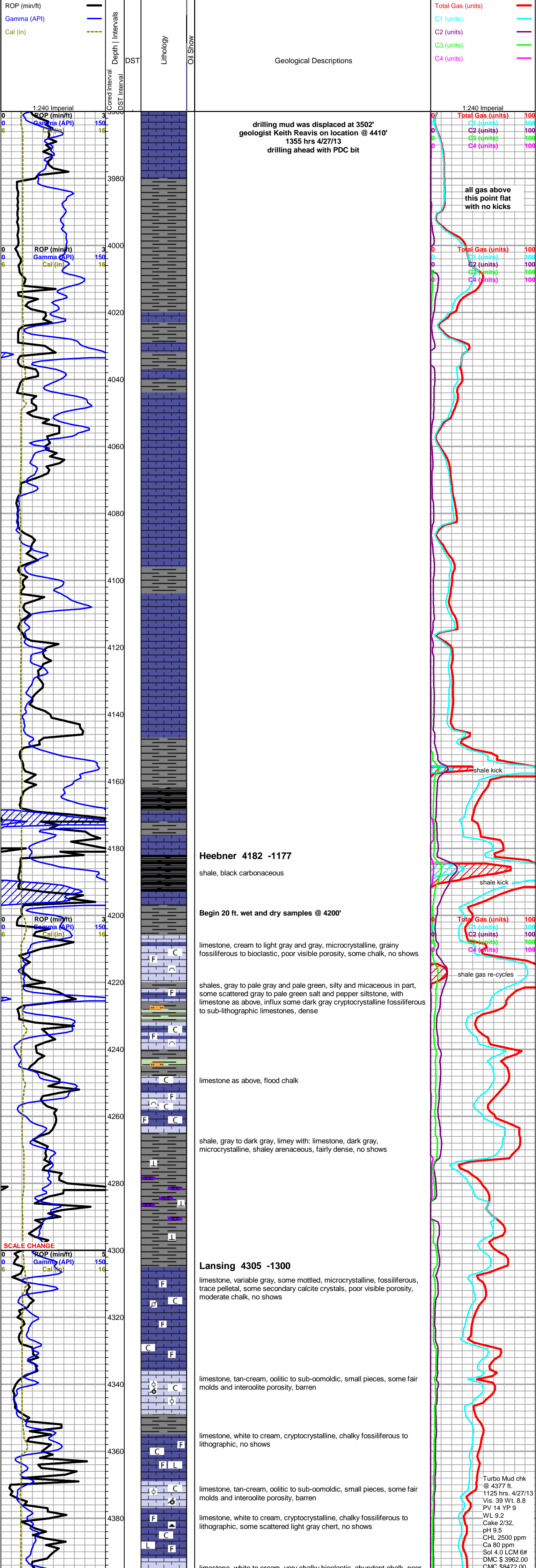
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

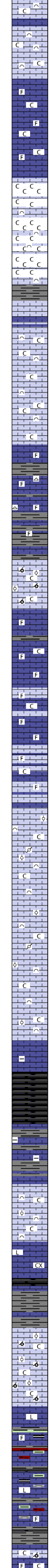
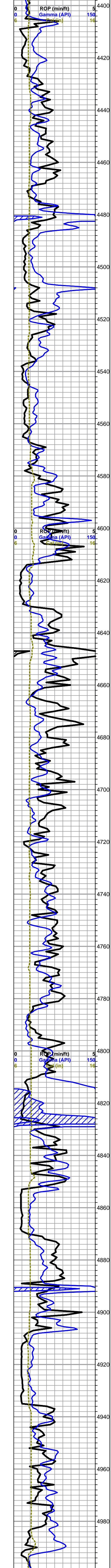
ROCK TYPES			
	sdymst		Lmst fw7>
	Lmst fw<7		shale, gry
	shale, grn		Carbon Sh
	shale, red		Ss

ACCESSORIES			
MINERAL	FOSSIL	STRINGER	TEXTURE
- Argillaceous	~ Bioclastic or Fragmental	■ Limestone	C Chalky
⊥ Calcareous	F Fossils < 20%	■ Sandstone	CX Cryptocrystalline
▲ Chert, dark	○ Oolite	■ Siltstone	L Lithogr
∩ Glauconite	○ Pellets	■ Shale	
× Mineral Crystals	⊕ Oomoldic	■ green shale	
P Pyrite		■ red shale	
• Sandy		■ carb shale	
△ Chert White			
■ Argillaceous/Shale			

OTHER SYMBOLS	
MISC	DST

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





4400-4420 limestone, mixed gray to cream non-descript fossiliferous, abundant chalk, no shows

4420-4440 limestone, mixed gray to cream non-descript fossiliferous, abundant chalk, no shows

4440-4460 limestone, mixed gray to cream non-descript fossiliferous, abundant chalk, no shows

4460-4480 limestone, mixed gray to cream non-descript fossiliferous, abundant chalk, no shows

4480-4500 4500-4520 sample, flood chalk, 60-70% of sample, with tan to cream fine grainy bioclastic, no shows

4500-4520 limestone, brown and gray striated to mottled, grainy to sucrosic bioclastic, soft-chalky to firm, some pinpoint porosity, no shows, abundant chalk in samples, 30-40%

4520-4540 limestone, brown and gray striated to mottled, grainy to sucrosic bioclastic, soft-chalky to firm, some pinpoint porosity, no shows, abundant chalk in samples, 30-40%

4540-4560 as above, increasing chalk

4560-4580 limestone, cream to gray, microcrystalline, fossiliferous, chalky in part, with some scattered white weathered/spongy fossiliferous chert, abundant gray silty shales

4580-4600 limestone, cream to gray, microcrystalline, fossiliferous, chalky in part, with some scattered white weathered/spongy fossiliferous chert, abundant gray silty shales

4600-4620 limestone, gray and cream, fine oomoldic to oolitic, good oomold porosity, scattered fair mineral fluorescence, barren, abundant chalk

4620-4640 limestone, mixed light gray, cream and white non-descript fossiliferous, no shows

4640-4660 grades to fairly even mix of light gray to cream chalky fossiliferous limestone and dark gray, microcrystalline, dense fossiliferous to arenaceous limestone, some chalk, poor visible porosity and fluorescence, no shows

4660-4680 grades to fairly even mix of light gray to cream chalky fossiliferous limestone and dark gray, microcrystalline, dense fossiliferous to arenaceous limestone, some chalk, poor visible porosity and fluorescence, no shows

4680-4700 as above

4700-4720 limestone, gray to tan, mottled, fine flattened oolitic to pelletal and bioclastic, grainy, very chalky-weathered, no visible porosity, no shows, abundant chalk

4720-4740 limestone, gray to tan, mottled, fine flattened oolitic to pelletal and bioclastic, grainy, very chalky-weathered, no visible porosity, no shows, abundant chalk

4740-4760 as above

4760-4780 as above

4780-4800 limestone, gray, microcrystalline, arenaceous/argillaceous, dense

Stark Shale 4808 -1803
black carbonaceous shale

4808-4820 shale, gray, dense, with limestone a.a.

4820-4840 shale, gray, dense, with limestone a.a.

4840-4860 limestone, gray to cream, microcrystalline, bioclastic, scattered oolitic, some scattered vugs, chalky, no shows, some chalk in samples

4860-4880 limestone, dense gray cryptocrystalline, lithographic

4880-4900 shale, black carbonaceous

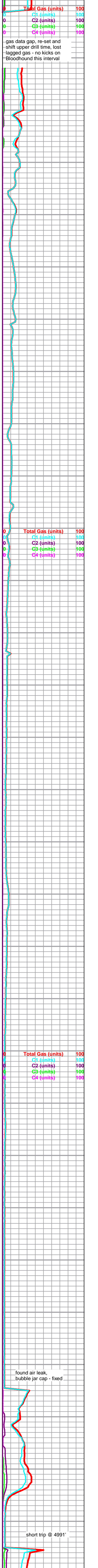
4900-4920 limestone, tan, oomoldic and oolitic, good porosity, barren, faint fluorescence - flood chalk

4920-4940 limestone, mixed, gray, cryptocrystalline, dense, arenaceous to lithographic, light gray to tan and brown mixed fossiliferous, chalky to dense

4940-4960 influx mixed shales

4960-4980 as above

Marmaton 4989 -1984
limestone, mixed light gray to cream and tan, mixed oolitic to fossiliferous, scattered tan oomoldic, with fair porosity, flood chalk in



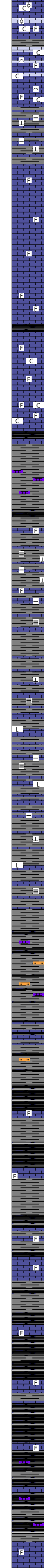
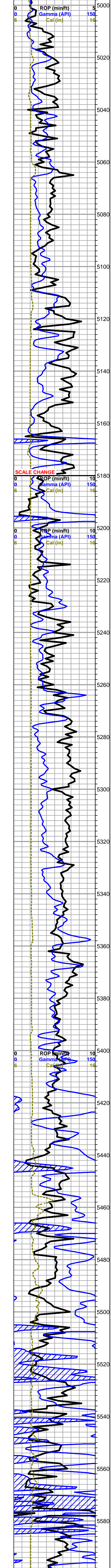
gas data gap, re-set and
-shift upper drill time, lost
-lagged gas - no kicks on
-Bloodhound this interval

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

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

found air leak,
bubble jar cap - fixed

short trip @ 4991'



samples, no shows, pale blue fluorescence

limestone, white to light gray and cream, fossiliferous to bioclastic, poor visible porosity, very abundant chalk, no shows, pale blue fluorescence

dark gray microcrystalline arenaceous limestone to dark gray dense limey shale, both dense, no shows

limestone, mixed light to dark gray, micro-cryptocrystalline, fossiliferous to sub-lithographic and arenaceous, dense, no shows

as above, no noted change in overall lithology

limestone, dark gray, grainy fossiliferous, fairly dense, no visible porosity, no shows

black carbonaceous shale

limestone grades to light gray to cream, cryptocrystalline, fossiliferous, chalky to dense, no visible porosity, no shows

5180 sample, limestone, white, cryptocrystalline, smooth chalky fossiliferous, poor visible porosity, no shows, some scattered light fluorescence, abundant chalk

black carbonaceous shale

5200 sample, tray full of almost all black and brown shale, gassy

Cherokee Group 5192 -2187

shales as above with limestone, gray to light gray, cryptocrystalline, fossiliferous, dense, limestone, light gray, microcrystalline arenaceous, limestone, dark gray, shaley/argillaceous, no shows

as above

grades to limestone, gray to dark gray and black, cryptocrystalline, lithographic, some shaly to arenaceous, with less shale than above, gray to black, dense, limey

as above

as above, influx lighter gray shales, some silty, slight overall increase in shale

grades to shale, gray and black, dense, with some light gray silty shale, soft, with trace light gray siltstone, still carrying some dense dark gray argillaceous limestone as above

limestone, light gray, dense, microcrystalline, argillaceous, trace, brown cherty fossiliferous limestone, dense, no shows

shales as above

black carbonaceous, black and gray shales, with brown limestone, cryptocrystalline, fossiliferous, cherty, dense

Atokan 5434 -2429

shale and limestone stringers as above

shale gas kicks

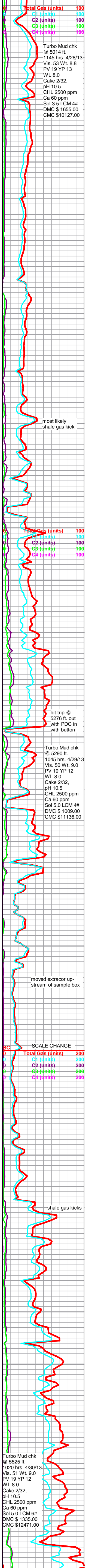
as above, some small chip dark brown limestone, crystalline fossiliferous, some glauconitic and sandy, abundant pyrite, no shows

as above

shale, mostly black carbonaceous, some near coal like, some gray shale, seams of limestone, brown and gray, cryptocrystalline, fossiliferous, very dense, no shows

as above, some dark gray to black limestone, cryptocrystalline, slightly fossiliferous

limestone, light gray, mottled, weathered chalky fossiliferous, soft to firm, no visible porosity, no shows no fluorescence



Turbo Mud chk @ 5014 ft. 1145 hrs. 4/28/13 Vis. 53 Wt. 8.8 PV 19 YP 13 WL 8.0 Cake 2/32, pH 10.5 CHL 2500 ppm Ca 60 ppm Sol 3.5 LCM 4# DMC \$ 1655.00 CMC \$10127.00

Turbo Mud chk @ 5290 ft. 1045 hrs. 4/29/13 Vis. 50 Wt. 9.0 PV 19 YP 12 WL 8.0 Cake 2/32, pH 10.5 CHL 2500 ppm Ca 60 ppm Sol 5.0 LCM 4# DMC \$ 1009.00 CMC \$11136.00

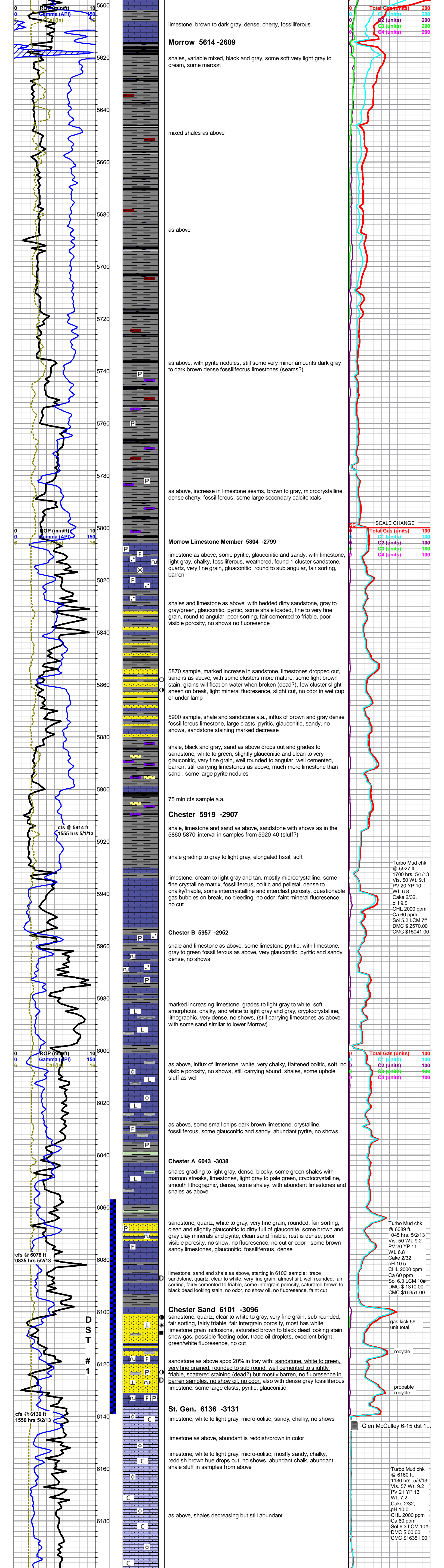
Turbo Mud chk @ 5525 ft. 1020 hrs. 4/30/13 Vis. 51 Wt. 9.0 PV 19 YP 12 WL 8.0 Cake 2/32, pH 10.5 CHL 2500 ppm Ca 60 ppm Sol 5.0 LCM 6# DMC \$ 1335.00 CMC \$12471.00

most likely shale gas kick

bit trip @ 5276 ft. out with PDC in with button

moved extractor upstream of sample box

shale gas kicks



limestone, brown to dark gray, dense, cherty, fossiliferous

Morrow 5614 -2609

shales, variable mixed, black and gray, some soft very light gray to cream, some maroon

mixed shales as above

as above

as above, with pyrite nodules, still some very minor amounts dark gray to dark brown dense fossiliferous limestones (seams?)

as above, increase in limestone seams, brown to gray, microcrystalline, dense cherty, fossiliferous, some large secondary calcite xtals

Morrow Limestone Member 5804 -2799

limestone as above, some pyritic, glauconitic and sandy, with limestone, light gray, chalky, fossiliferous, weathered, found 1 cluster sandstone, quartz, very fine grain, glauconitic, round to sub angular, fair sorting, barren

shales and limestone as above, with bedded dirty sandstone, gray to gray/green, glauconitic, pyritic, some shale loaded, fine to very fine grain, round to angular, poor sorting, fair cemented to friable, poor visible porosity, no shows no fluorescence

5870 sample, marked increase in sandstone, limestones dropped out, sand is as above, with some clusters more mature, some light brown stain, grains will float on water when broken (dead?), few cluster slight sheen on break, light mineral fluorescence, slight cut, no odor in wet cup or under lamp

5900 sample, shale and sandstone a.a., influx of brown and gray dense fossiliferous limestone, large clasts, pyritic, glauconitic, sandy, no shows, sandstone staining marked decrease

shale, black and gray, sand as above drops out and grades to sandstone, white to green, slightly glauconitic and clean to very glauconitic, very fine grain, well rounded to angular, well cemented, barren, still carrying limestones as above, much more limestone than sand, some large pyrite nodules

75 min cfs sample a.a.

Chester 5919 -2907

shale, limestone and sand as above, sandstone with shows as in the 5860-5870' interval in samples from 5920-40 (stuff?)

shale grading to gray to light gray, elongated fissil, soft

limestone, cream to light gray and tan, mostly microcrystalline, some fine crystalline matrix, fossiliferous, oolitic and pelletal, dense to chalky/friable, some intercrystalline and interclast porosity, questionable gas bubbles on break, no bleeding, no odor, faint mineral fluorescence, no cut

Chester B 5957 -2952

shale and limestone as above, some limestone pyritic, with limestone, gray to green fossiliferous as above, very glauconitic, pyritic and sandy, dense, no shows

marked increasing limestone, grades to light gray to white, soft amorphous, chalky, and white to light gray and gray, cryptocrystalline, lithographic, very dense, no shows, (still carrying limestones as above, with some sand similar to lower Morrow)

as above, influx of limestone, white, very chalky, flattened oolitic, soft, no visible porosity, no shows, still carrying abund. shales, some uphole stuff as well

as above, some small chips dark brown limestone, crystalline, fossiliferous, some glauconitic and sandy, abundant pyrite, no shows

Chester A 6043 -3038

shales grading to light gray, dense, blocky, some green shales with maroon streaks, limestones, light gray to pale green, cryptocrystalline, smooth lithographic, dense, some shaly, with abundant limestones and shales as above

sandstone, quartz, white to gray, very fine grain, rounded, fair sorting, clean and slightly glauconitic to dirty full of glauconite, some brown and gray clay minerals and pyrite, clean sand friable, rest is dense, poor visible porosity, no show, no fluorescence, no cut or odor - some brown sandy limestones, glauconitic, fossiliferous, dense

limestone, sand and shale as above, starting in 6100' sample: trace sandstone, quartz, clear to white, very fine grain, almost silt, well rounded, fair sorting, fairly cemented to friable, some intergrain porosity, saturated brown to black dead looking stain, no odor, no show oil, no fluorescence, faint cut

Chester Sand 6101 -3096

sandstone, quartz, clear to white to gray, very fine grain, sub rounded, fair sorting, fairly friable, fair intergrain porosity, most has white limestone grain inclusions, saturated brown to black dead looking stain, show gas, possible fleeting odor, trace oil droplets, excellent bright green/white fluorescence, no cut

sandstone as above appx 20% in tray with: sandstone, white to green, very fine grained, rounded to sub round, well cemented to slightly friable, scattered staining (dead?) but mostly barren, no fluorescence in barren samples, no show oil, no odor, also with dense gray fossiliferous limestone, some large clasts, pyritic, glauconitic

St. Gen. 6136 -3131

limestone, white to light gray, micro-oolitic, sandy, chalky, no shows

limestone as above, abundant is reddish/brown in color

reddish brown to light gray, micro-oolitic, mostly sandy, chalky, reddish white hue drops out, no shows, abundant chalk, abundant shale sluff in samples from above

as above, shales decreasing but still abundant

Total Gas (units)	200
C1 (units)	200
C2 (units)	200
C3 (units)	200
C4 (units)	200

SCALE CHANGE

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100

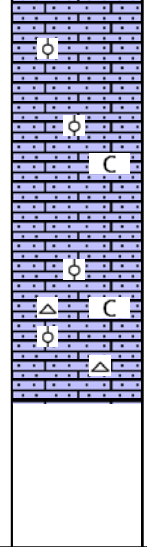
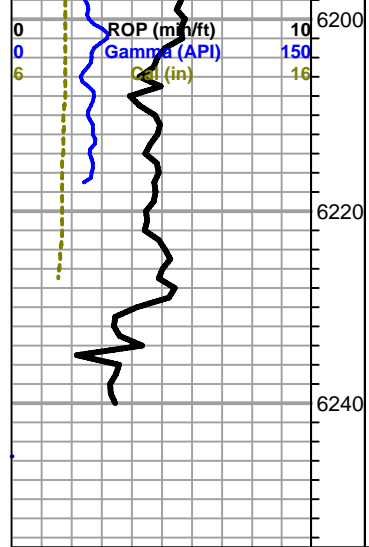
Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100

Turbo Mud chk @ 6089 ft. 1045 hrs. 5/2/13

Vis. 50 Wt. 9.2	
PV 20 YP 11	
WL 6.8	
Cake 2/32,	
pH 10.5	
CHL 2000 ppm	
Ca 60 ppm	
Sol 6.3 LCM 10#	
DMC \$ 1310.00	
CMC \$16351.00	

Turbo Mud chk @ 6160 ft. 1130 hrs. 5/3/13

Vis. 57 Wt. 9.2	
PV 21 YP 13	
WL 7.2	
Cake 2/32,	
pH 10.0	
CHL 2000 ppm	
Ca 60 ppm	
Sol 6.3 LCM 10#	
DMC \$ 00.00	
CMC \$16351.00	



as above

limestone as above, with chert, light gray, translucent, sharp, fresh, no shows

Rotary TD 6240 ft @ 1855 hrs 5/3/13
 Pioneer Log TD 6240 ft
 Complete Logging Operations @ 0700 hrs 5/4/13

