



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
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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

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: _____



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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Larrabee 2-13
Doc ID	1138429

All Electric Logs Run

Porosity
Induction
Micro
Sonic

ALLIED OIL & GAS SERVICES, LLC KB ✓ 052650*

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Liberal

DATE <u>02-02-13</u>	SEC. <u>13</u>	TWP. <u>32S</u>	RANGE <u>35 W.</u>	CALLED OUT	ON LOCATION <u>1:00 a.m.</u>	JOB START <u>7:00</u>	JOB FINISH <u>8:00</u>
LARRABEE LEASE		WELL # <u>2-13</u>	LOCATION <u>N.E. Hugston KS.</u>		COUNTY <u>Stevens</u>	STATE <u>KS.</u>	
OLD OR <u>(NEW)</u> (Circle one)						<u>1-01</u>	<u>6.3</u>

CONTRACTOR J. Duke #9. OWNER American Warrior

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 1762 feet

CASING SIZE 8 5/8 28F DEPTH 1727 feet

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 42.45"

CEMENT LEFT IN CSG. 42.45 feet

PERFS.

DISPLACEMENT 105 BBU H2O

EQUIPMENT

PUMP TRUCK CEMENTER Ruben Chavez 1

531/541 HELPER Cesar Pavia 2

BULK TRUCK

562/554 DRIVER Angel Garcia 3

BULK TRUCK

472/467 DRIVER Jaimo Torres 3

CEMENT

AMOUNT ORDERED 42.50k "A" 3% CC, 2% S. MSLicate, 2% Gyp Seal, 1/4 blk F. Seal, 1.50sk "C" 2% CC.

COMMON <u>42.50sk "A"</u>	@ <u>17.90</u>	<u>7607.50</u>
POZMIX	@	
GEL	@	
CHLORIDE <u>19sk</u>	@ <u>64.00</u>	<u>1,216.00</u>
ASC	@	
CCPP <u>150sk "C"</u>	@ <u>24.40</u>	<u>3,660.00</u>
NAMS <u>799 lb</u>	@ <u>3.30</u>	<u>2,636.70</u>
GpSL <u>8sk</u>	@ <u>37.60</u>	<u>300.80</u>
FLSL <u>106 lb</u>	@ <u>2.97</u>	<u>314.82</u>
	@	
	@	
	@	
	@	
HANDLING <u>629 cwt</u>	@ <u>2.48</u>	<u>1,559.92</u>
MILEAGE <u>527 Ton Mi.</u>	@ <u>2.60</u>	<u>1,370.20</u>
TOTAL		<u>18,665.94</u>

REMARKS:

Pump 10 BBU H2O - Spacer then mix + pump 475 sk of cement 2.66 BBU of slurry and displace it with 105 BBU of H2O, Bump plug at 1000 PSI; release pressure, flow hold. 10 BBU of slurry went to the pit.

Thank you.

527.

SERVICE

DEPTH OF JOB	<u>1727 feet</u>	
PUMP TRUCK CHARGE		<u>2,213.75</u>
EXTRA FOOTAGE	@	
MILEAGE heavy Veh. <u>20M</u>	@ <u>7.70</u>	<u>154.00</u>
MANIFOLD + Cem head <u>1</u>	@ <u>275.00</u>	<u>275.00</u>
Light Vehicle <u>20M</u>	@ <u>4.40</u>	<u>88.00</u>
	@	
TOTAL		<u>2,730.75</u>

CHARGE TO: American Warrior

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>8 5/8</u>		
Guide Shoe <u>1</u>	@ <u>460.98</u>	<u>460.98</u>
AFU Float Valve <u>1</u>	@ <u>446.94</u>	<u>446.94</u>
Centralizer <u>3</u>	@ <u>74.88</u>	<u>224.64</u>
Cem-Basket <u>1</u>	@ <u>559.26</u>	<u>559.26</u>
Top Rubber plug <u>1</u>	@ <u>131.04</u>	<u>131.04</u>
TOTAL		<u>1,822.86</u>

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Emigdio Rojas

SIGNATURE Emigdio Rojas

SALES TAX (if Any)	<u>1106.19</u>
TOTAL CHARGES	<u>23,219.55</u>
DISCOUNT <u>4643.91</u>	IF PAID IN 30 DAYS
NET = <u>18,575.64</u>	



CHARGE TO: **AMERICAN WARRIOR**

ADDRESS

CITY, STATE, ZIP CODE

TICKET
Nº 24112

PAGE 1 OF 2

1. SERVICE LOCATIONS NESS CITY, KS.	WELL/PROJECT NO.	LEASE LARRABEE 2-13	COUNTY/PARISH STEVENS	STATE KS	CITY SATANTA, KS	DATE 13 FEB 13	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR DUKE DRILLING #9	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 5 1/2 LONGSTRING	WELL PERMIT NO.	WELL LOCATION 8W, 7S, 2E, 1/4S, W1/4		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		U/M	U/M				
575					MILEAGE #115	135	MIL			6.00	810.00
578					PUMP CHARGE	1	JOB			1500.00	1500.00
402					CENTRALIZERS	10	EA.			70.00	700.00
403					CEMENT BASKETS	2	EA			250.00	500.00
406					LATCH DOWN PLUG & BAFFLE	1	EA			250.00	250.00
407					INSERT FLOAT SHOE W/AUTO FILL	1	EA			350.00	350.00
281					MUD FLUSH	500	GAL			1.25	625.00
221					LIQUID KCL	2	GAZ			25.00	50.00

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 **JOSE REYES**

DATE SIGNED **14 FEB 13** TIME SIGNED **0400** 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	4785
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				2	6524
WE UNDERSTOOD AND MET YOUR NEEDS?				subtotal	11,309
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Stevens TAX	429.50
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				6.3%	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	11,738.76
<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 **Joe Skatoff** APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 24112

CUSTOMER AMERICAN WARRIOR WELLS LARRABEE 2-13 DATE 13 FEB 13 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF									
276						FLOCELE	65	lbs			2.00	130.00	
290						D-AIR	2 1/2	sqz			35.00	87.50	
330						SWIFT MULTI DENSITY	250	sq			16.50	4125.00	
581						SERVICE CHARGE					2.00	500.00	
583						MILEAGE CHARGE	2475	TOTAL WEIGHT	135	LOADED MILES	1681.76	TON MILES	1681.76

CONTINUATION TOTAL 6524.26

JOB LOG

SWIFT Services, Inc.

DATE 13 FEB 13 PAGE NO.

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
AMERICAN WARRIOR				LARRABEE 2-13		5 1/2 LONGSTRING		24112	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	2115								ON LOCATION
	2220								START PIPE - 5 1/2 - 17# RTD @ 6430 SET @ 6415 SHOE JT. 35.55 CENTRALIZERS 1,2,3,4,5,6,7,8,9,10 BASKETS 10, 109
	0148								DROP BALL - CIRCULATE
	0232	6 1/2	12		✓		400		Pump 500 gal MUD FLUSH
		6 1/2	20		✓		400		Pump 20 Bbl KCL FLUSH
	0238		7,5						PLUG RH - MH (30sx-20sx)
	0241	6 1/2	18		✓				MIX 50 SX SMD @ 12.7 ppG
		6 1/2	31		✓				MIX 100 SX SMD @ 13.5 ppG
		6 1/2	14		✓				MIX 50 SX SMD @ 14 ppG
	0256								WASH OUT Pump & LINES
	0259	7			✓				START DISPLACING PLUG
	0323	Ø	148		✓		1500		PLUG DOWN PSI UP LATCH PLUG IN
	0325				✓				RELEASE PSI - DRY
	0330								WASH TRUCK
	0400								JOB COMPLETE
									THANKS #115
									JASON JEFF DOUG



DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City, KS 67846

ATTN: Austin Garner

Larrabee #2-13

13-32w-35s Stevens,KS

Start Date: 2013.02.10 @ 01:31:00

End Date: 2013.02.10 @ 09:50:15

Job Ticket #: 46881 DST #: 1

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

Printed: 2013.02.18 @ 13:22:20

American Warrior
13-32w-35s Stevens,KS
Larrabee #2-13
DST # 1
Chester
2013.02.10



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior
PO Box 399
Garden City, KS 67846
ATTN: Austin Garner

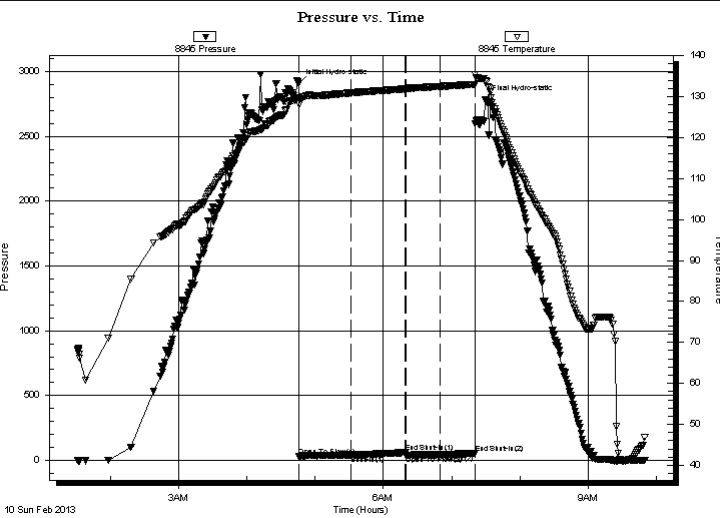
13-32w-35s Stevens, KS
Larrabee #2-13
Job Ticket: 46881 **DST#: 1**
Test Start: 2013.02.10 @ 01:31:00

GENERAL INFORMATION:

Formation: **Chester**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:46:00
Time Test Ended: 09:50:15
Interval: **5780.00 ft (KB) To 5902.00 ft (KB) (TVD)**
Total Depth: 5902.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:
Test Type: Conventional Bottom Hole (Initial)
Tester: Sam Esparza
Unit No: 64
Reference Elevations: 2983.00 ft (KB)
2972.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8845 Outside
Press @ Run Depth: 44.67 psig @ 5781.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.02.10 End Date: 2013.02.10 Last Calib.: 2013.02.10
Start Time: 01:31:05 End Time: 09:50:14 Time On Btm: 2013.02.10 @ 04:45:45
Time Off Btm: 2013.02.10 @ 07:29:45

TEST COMMENT: IF: 1 1/4" blow .
IS: No return.
FF: No blow .
FS: No return.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2908.55	129.72	Initial Hydro-static
1	34.24	128.16	Open To Flow (1)
46	42.65	130.90	Shut-In(1)
94	60.64	131.90	End Shut-In(1)
94	37.88	131.92	Open To Flow (2)
124	44.67	132.49	Shut-In(2)
155	53.52	133.00	End Shut-In(2)
164	2780.93	134.00	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
30.00	Mud 100m	0.15

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior
PO Box 399
Garden City, KS 67846
ATTN: Austin Garner

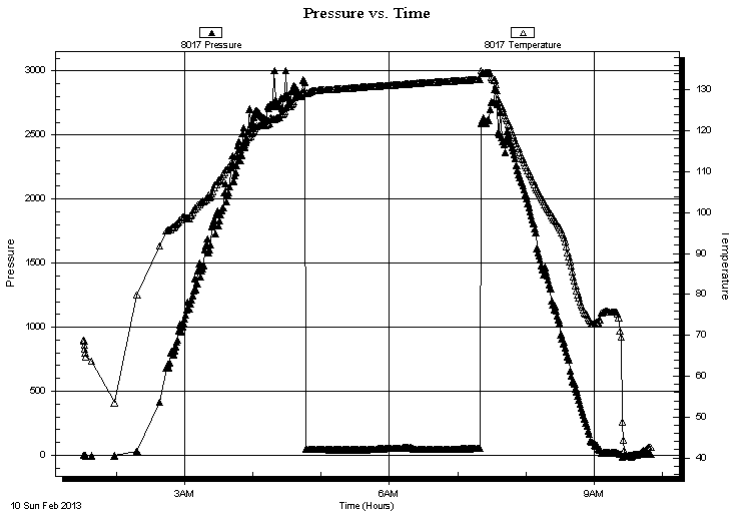
13-32w-35s Stevens, KS
Larrabee #2-13
Job Ticket: 46881 **DST#: 1**
Test Start: 2013.02.10 @ 01:31:00

GENERAL INFORMATION:

Formation: **Chester**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 04:46:00 Tester: Sam Esparza
Time Test Ended: 09:50:15 Unit No: 64
Interval: 5780.00 ft (KB) To 5902.00 ft (KB) (TVD) Reference Elevations: 2983.00 ft (KB)
Total Depth: 5902.00 ft (KB) (TVD) 2972.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 11.00 ft

Serial #: 8017 **Outside**
Press @ Run Depth: psig @ 5781.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.02.10 End Date: 2013.02.10 Last Calib.: 2013.02.10
Start Time: 01:31:05 End Time: 09:50:14 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 1 1/4" blow.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100m	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior
PO Box 399
Garden City, KS 67846
ATTN: Austin Garner

13-32w-35s Stevens,KS
Larrabee #2-13
Job Ticket: 46881 **DST#: 1**
Test Start: 2013.02.10 @ 01:31:00

Tool Information

Drill Pipe:	Length: 5589.00 ft	Diameter: 3.80 inches	Volume: 78.40 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:	30000.00 lb
Drill Collar:	Length: 188.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose:	110000.0 lb
			<u>Total Volume: 79.32 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	89000.00 lb
Depth to Top Packer:	5780.00 ft			Final	89000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	122.00 ft				
Tool Length:	150.00 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			5753.00	
Shut In Tool	5.00			5758.00	
Hydraulic tool	5.00			5763.00	
Jars	5.00			5768.00	
Safety Joint	3.00			5771.00	
Packer	5.00			5776.00	28.00 Bottom Of Top Packer
Packer	4.00			5780.00	
Stubb	1.00			5781.00	
Recorder	0.00	8017	Outside	5781.00	
Recorder	0.00	8845	Outside	5781.00	
Perforations	20.00			5801.00	
Change Over Sub	1.00			5802.00	
Drill Pipe	94.00			5896.00	
Change Over Sub	1.00			5897.00	
Bullnose	5.00			5902.00	122.00 Bottom Packers & Anchor

Total Tool Length: 150.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

13-32w-35s Stevens,KS

PO Box 399
Garden City, KS 67846

Larrabee #2-13

Job Ticket: 46881

DST#: 1

ATTN: Austin Garner

Test Start: 2013.02.10 @ 01:31:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100m	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

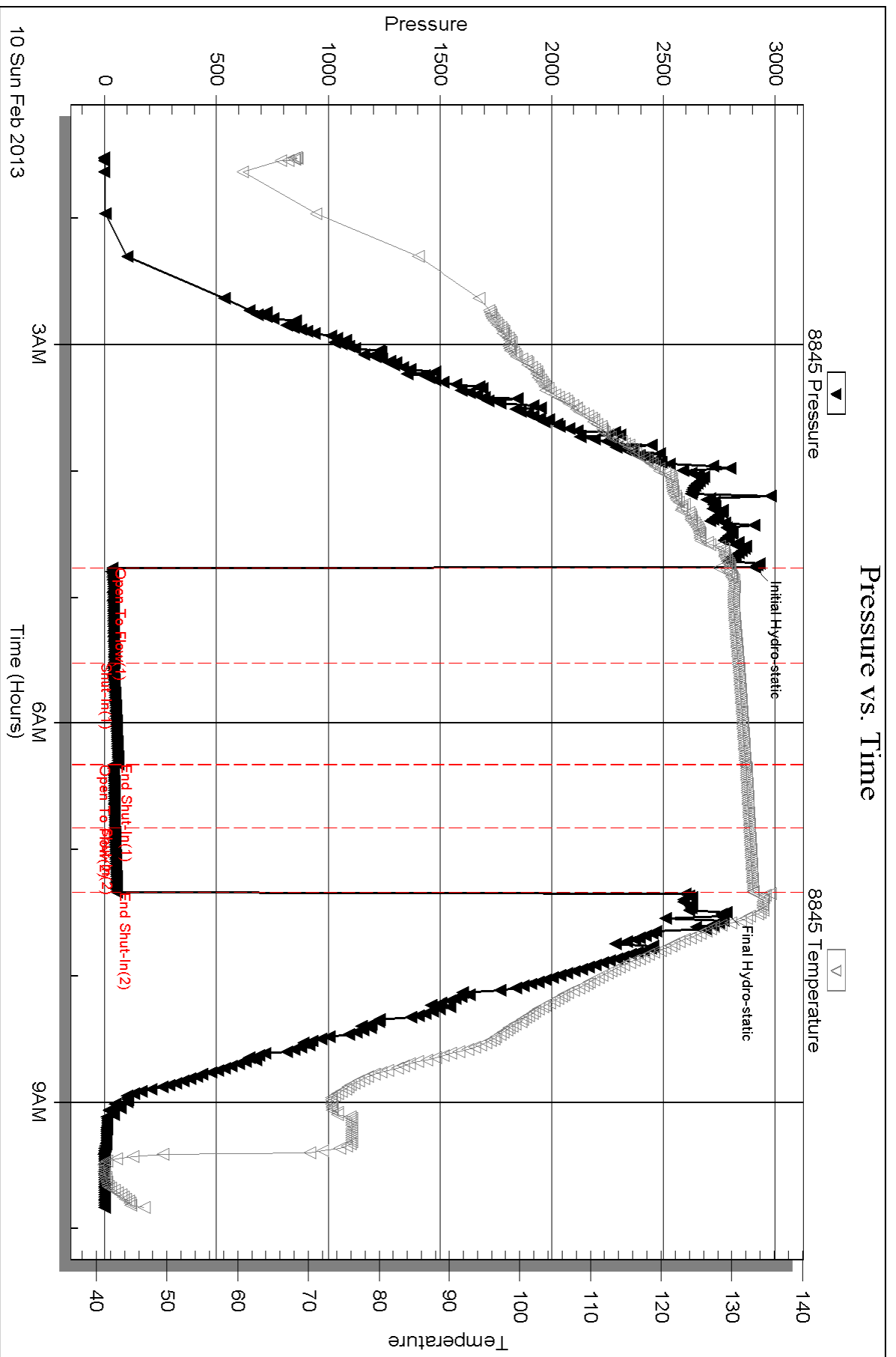
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

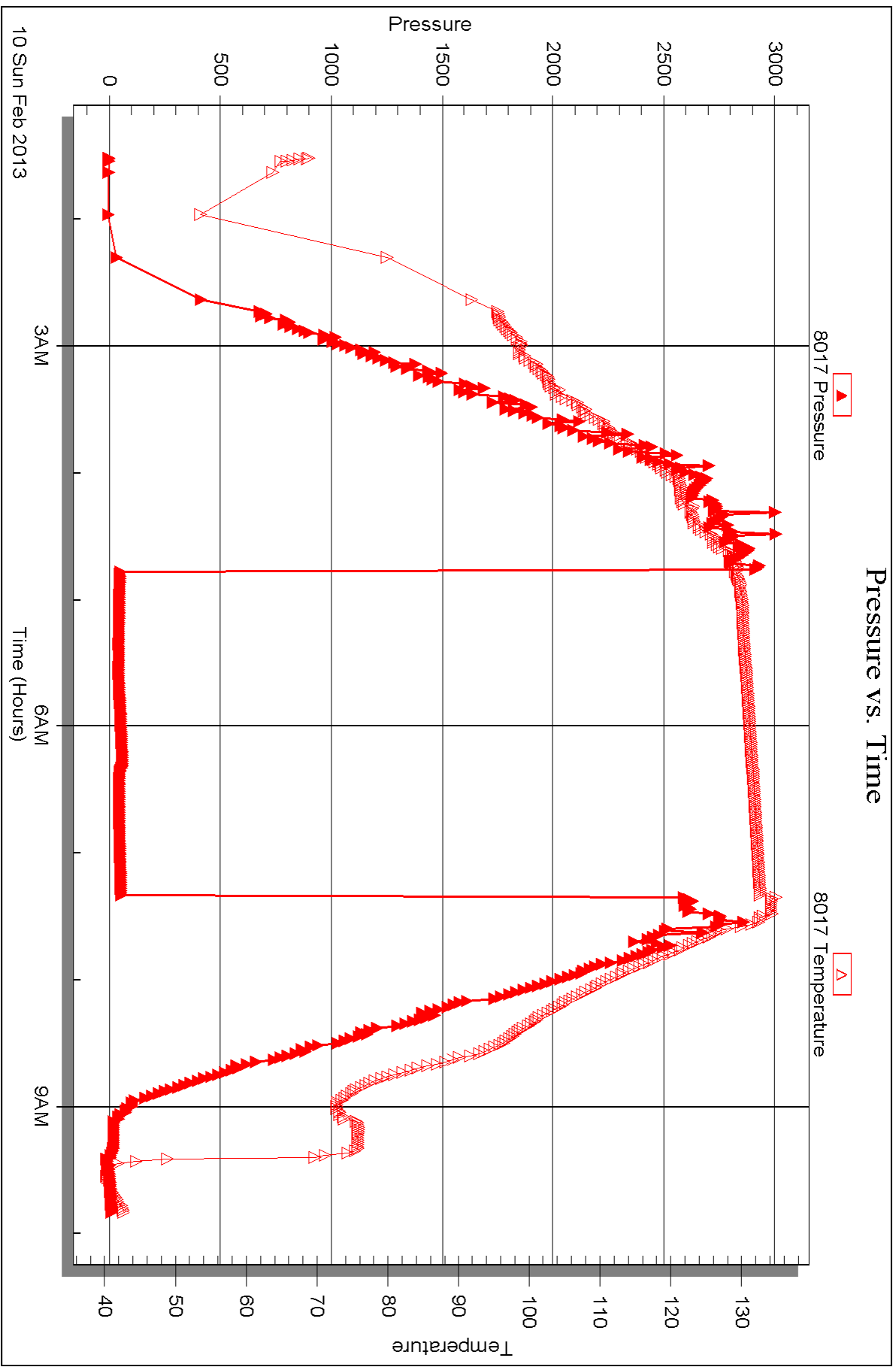


Serial #: 8017

Outside American Warrior

Larrabee #2-13

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **American Warrior**
PO Box 399
Garden City, KS 67846

ATTN: Austin Garner

Larrabee #2-13

13-32w-35s Stevens,KS

Start Date: 2013.02.11 @ 10:56:00

End Date: 2013.02.11 @ 19:40:00

Job Ticket #: 46882 DST #: 2

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

Printed: 2013.02.18 @ 13:21:35



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior
PO Box 399
Garden City, KS 67846
ATTN: Austin Garner

13-32w-35s Stevens, KS
Larrabee #2-13
Job Ticket: 46882 **DST#: 2**
Test Start: 2013.02.11 @ 10:56:00

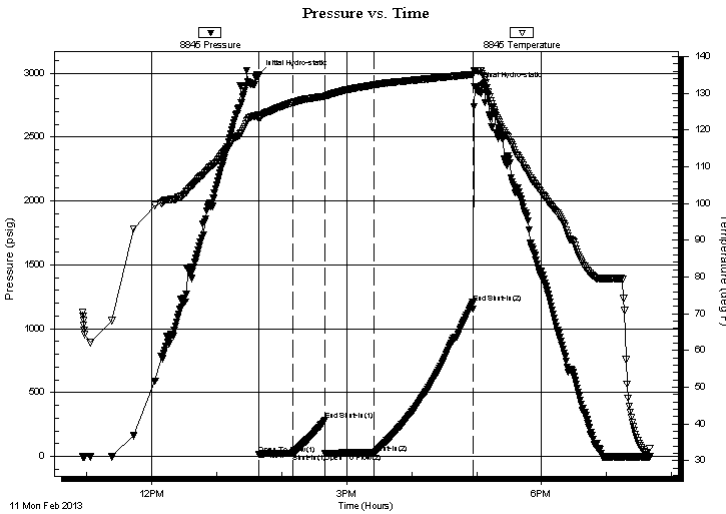
GENERAL INFORMATION:

Formation: **Lower Chester**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 13:38:45 Tester: Sam Esparza
Time Test Ended: 19:40:00 Unit No: 64
Interval: 6050.00 ft (KB) To 6101.00 ft (KB) (TVD) Reference Elevations: 2983.00 ft (KB)
Total Depth: 6101.00 ft (KB) (TVD) 2972.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 8845 Outside
Press @ RunDepth: 28.55 psig @ 6051.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.02.11 End Date: 2013.02.11 Last Calib.: 2013.02.11
Start Time: 10:56:05 End Time: 19:40:00 Time On Btm: 2013.02.11 @ 13:38:30
Time Off Btm: 2013.02.11 @ 16:58:15

TEST COMMENT: IF: 3 1/4" blow.
IS: No return.
FF: BOB @ 25 min.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2985.80	124.12	Initial Hydro-static
1	17.33	123.12	Open To Flow (1)
32	23.59	127.44	Shut-In(1)
62	285.56	129.19	End Shut-In(1)
62	22.38	129.09	Open To Flow (2)
107	28.55	132.24	Shut-In(2)
198	1204.31	135.16	End Shut-In(2)
200	2892.07	136.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100m (Oil Spots)	0.05
0.00	430' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

13-32w-35s Stevens,KS

PO Box 399
Garden City, KS 67846

Larrabee #2-13

Job Ticket: 46882

DST#: 2

ATTN: Austin Garner

Test Start: 2013.02.11 @ 10:56:00

Tool Information

Drill Pipe:	Length: 5845.00 ft	Diameter: 3.80 inches	Volume: 81.99 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: 30000.00 lb
Drill Collar:	Length: 188.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 110000.0 lb
			Total Volume: 82.91 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	6050.00 ft			Final 91000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			6023.00	
Shut In Tool	5.00			6028.00	
Hydraulic tool	5.00			6033.00	
Jars	5.00			6038.00	
Safety Joint	3.00			6041.00	
Packer	5.00			6046.00	28.00 Bottom Of Top Packer
Packer	4.00			6050.00	
Stubb	1.00			6051.00	
Recorder	0.00	8017	Outside	6051.00	
Recorder	0.00	8845	Outside	6051.00	
Perforations	12.00			6063.00	
Change Over Sub	1.00			6064.00	
Drill Pipe	31.00			6095.00	
Change Over Sub	1.00			6096.00	
Bullnose	5.00			6101.00	51.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

13-32w-35s Stevens,KS

PO Box 399
Garden City, KS 67846

Larrabee #2-13

Job Ticket: 46882

DST#: 2

ATTN: Austin Garner

Test Start: 2013.02.11 @ 10:56:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	Mud 100m (Oil Spots)	0.049
0.00	430' GIP	0.000

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

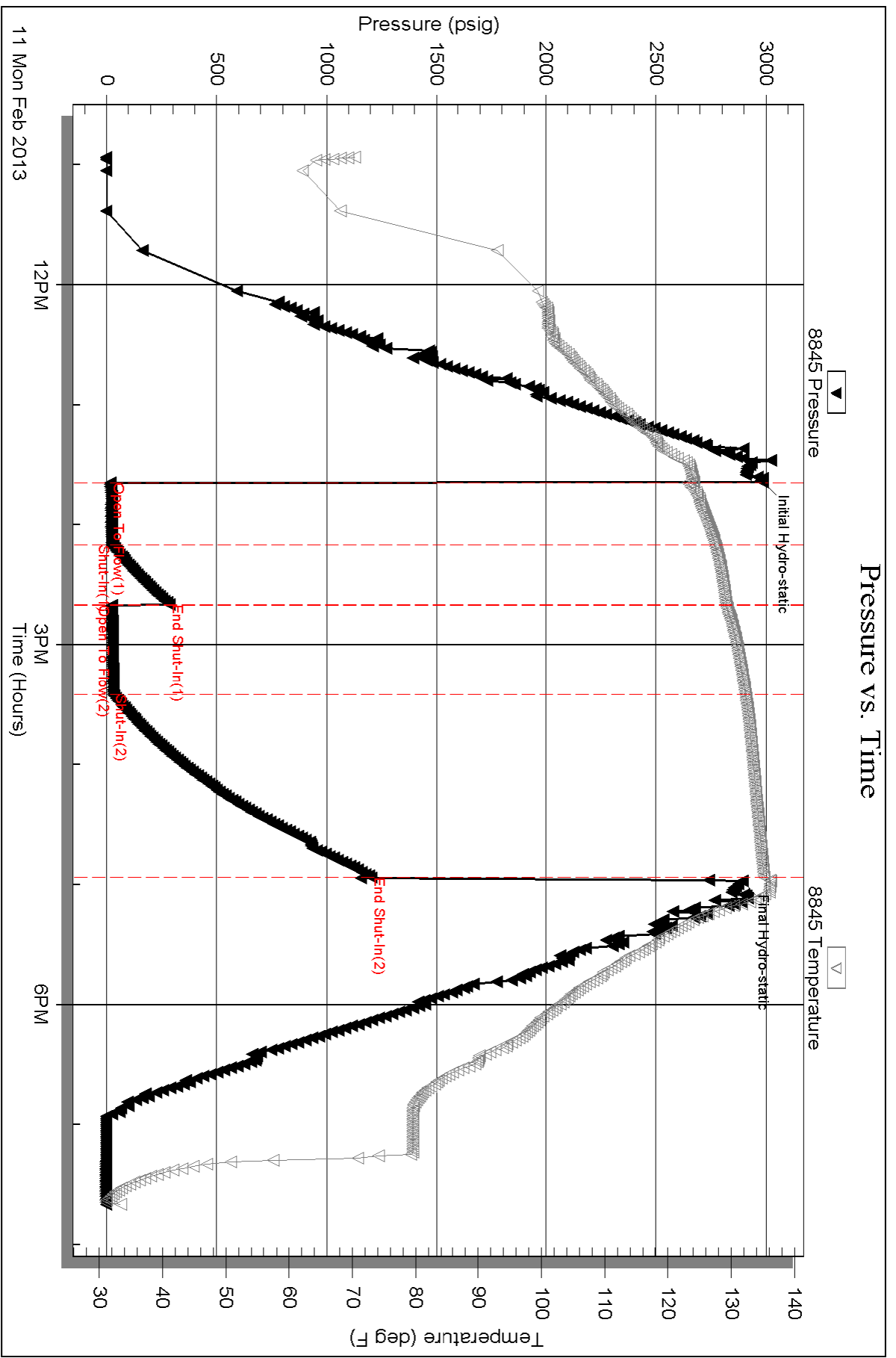
Recovery Comments:

Serial #: 8845

Outside American Warrior

Larrabee #2-13

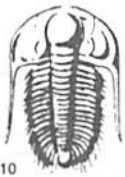
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 46882

Printed: 2013.02.18 @ 13:21:38



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46881

4/10

Well Name & No. American Warrior Lorraine #2-B Test No. 1 Date 2/9/13
 Company American Warrior Elevation 2983 KB 2972 GL
 Address 3118 Cummings rd Po Box 399 Garden city, KS 67846
 Co. Rep / Geo. Troy Fowler Rig Duke #9
 Location: Sec. 13 Twp. 32W Rge. 35S Co. Stevens State KS

Interval Tested 5780-5902 Zone Tested Chester
 Anchor Length 122 Drill Pipe Run 5589 Mud Wt. 9.4
 Top Packer Depth 5776 Drill Collars Run 188 Vis 53
 Bottom Packer Depth 5780 Wt. Pipe Run Ø WL 6.4
 Total Depth 5902 Chlorides 1200 ppm System LCM 3
 Blow Description 1 1/2" blow.
No return.
No blow.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</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 30 BHT 133 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2909</u>	<input checked="" type="checkbox"/> Test <u>1350</u>	T-On Location <u>20:50</u>
(B) First Initial Flow <u>34</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1:31</u>
(C) First Final Flow <u>43</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>447</u>
(D) Initial Shut-In <u>61</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>7:20</u>
(E) Second Initial Flow <u>38</u>	<input checked="" type="checkbox"/> Hourly Standby <u>2h 200</u>	T-Out <u>9:50</u>
(F) Second Final Flow <u>45</u>	<input checked="" type="checkbox"/> Mileage <u>224 R/T</u> 347.20	Comments <u>Twisted off coming out of hole. Wait on welder</u>
(G) Final Shut-In <u>54</u>	<input type="checkbox"/> Sampler	<input checked="" type="checkbox"/> Ruined Shale Packer <u>350</u>
(H) Final Hydrostatic <u>2781</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>45</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>350</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Total <u>2822.20</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't
	<input type="checkbox"/> Accessibility	
	Sub Total <u>2472.20</u>	

Approved By Troy Fowler 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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46882

Well Name & No. Larrabee #2-13 Test No. 2 Date 2/11/13
 Company American Warrior Elevation 2983 KB 2972 GL
 Address 3118 Cummings rd Po Box 399 Garden city, KS 67846
 Co. Rep / Geo. Austin Garner Rig Duke #9
 Location: Sec. 13 Twp. 32W Rge. 35E Co. Stevens State KS

Interval Tested 6050 - 6101 Zone Tested lower chester
 Anchor Length 51' Drill Pipe Run 5845 Mud Wt. 9.1
 Top Packer Depth 6046 Drill Collars Run 188 Vis 60
 Bottom Packer Depth 6050 Wt. Pipe Run 0 WL 7.2
 Total Depth 6101 Chlorides 2500 ppm System LCM 5
 Blow Description 3 1/4" blow.
No return.
BoB @ 25 min.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Mud (oil spots)</u>				<u>100%</u>
	<u>430' GIP</u>				

Rec Total 10 BHT 135 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2986</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>10:20</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>10:56</u>
(C) First Final Flow <u>24</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>13:39</u>
(D) Initial Shut-In <u>286</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>16:56</u>
(E) Second Initial Flow <u>22</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>19:40</u>
(F) Second Final Flow <u>29</u>	<input checked="" type="checkbox"/> Mileage <u>224 R/T X2</u> 694.40	Comments <u>Loaded tools @</u> <u>23:30 2/12/13</u>
(G) Final Shut-In <u>1204</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2892</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> Ruined Shale Packer <u>350</u>
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>800</u>
Final Shut-In <u>90</u>	<input checked="" type="checkbox"/> Day Standby <u>1d 3.75h</u>	Total <u>3869.40</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2719.40</u>	

Approved By Austin Garner

Our Representative [Signature]

Tribolite 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.

MBC WELL LOGGING LLC

Scale 1:240 (5"=100') Imperial

Well Name: LARRABEE 2-13 AMERICAN WARRIOR
 Location: 13-32S-35W STEVENS CO KS
 Licence Number: 5929
 Spud Date: 1-31-2013
 Surface Coordinates: 2045'FNL 1119'FEL 13 32W 35S STEVENS CO. KS.
 API 1518922789
 Region: Drilling Completed: 2-13-2013
 Bottom Hole Coordinates: DUKE RIG 9
 Ground Elevation (ft): 2972' K.B. Elevation (ft): 2983'
 Logged Interval (ft): 4100' To: 6430 Total Depth (ft): E-LOG 6432
 Formation: MISSISSIPPI/ SPERGEN
 Type of Drilling Fluid: WATER BASED CHEMICAL

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com






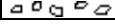
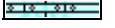


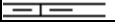
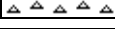



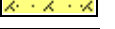








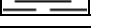

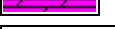

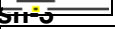
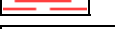



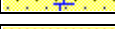


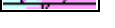

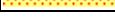


OPERATOR

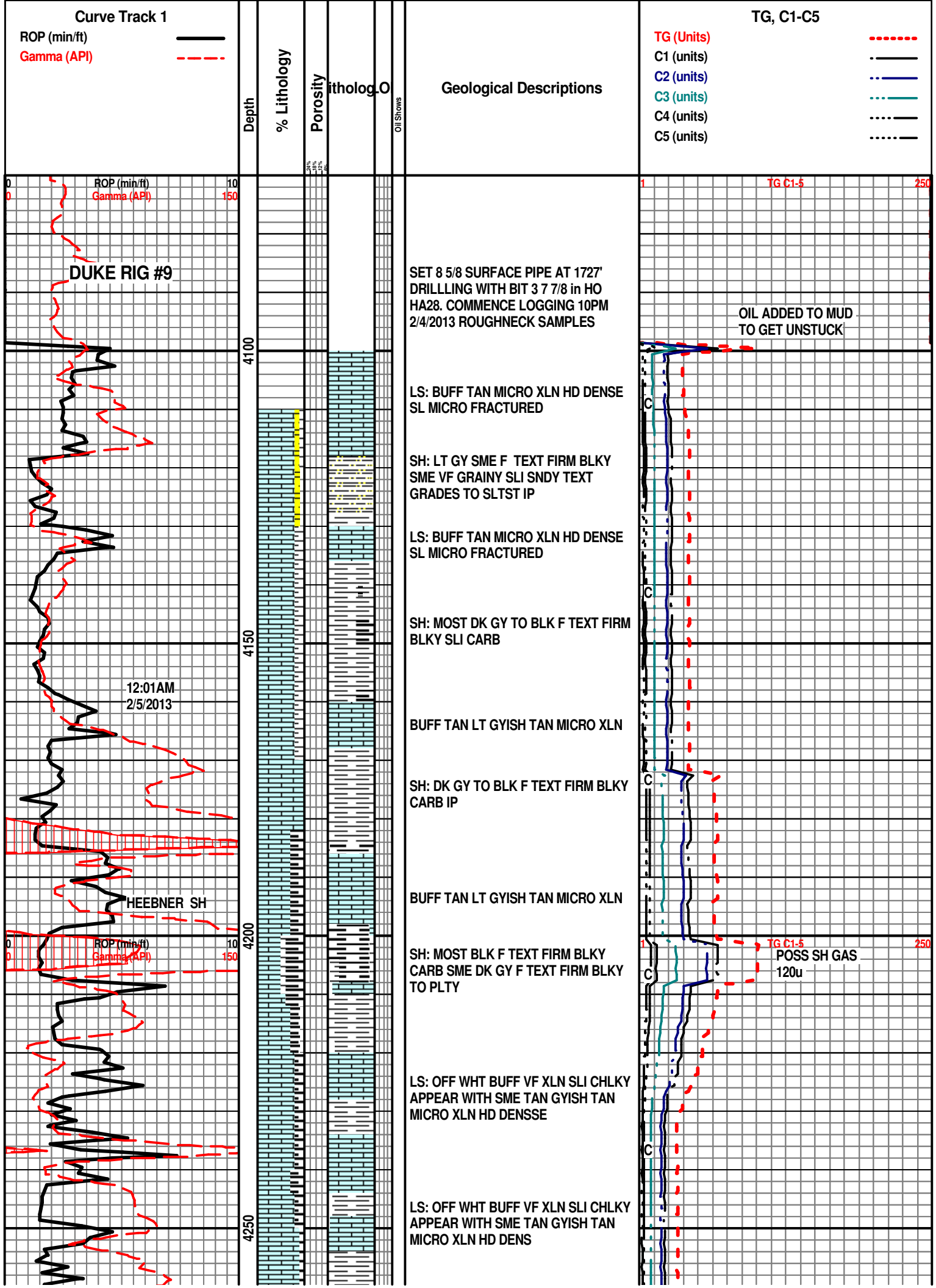
Company: AMERICAN WARRIOR, INC.
 Address: P.O.BOX 399
 GARDENCITY KS. 67846
 c/o CECIL O'BRATE

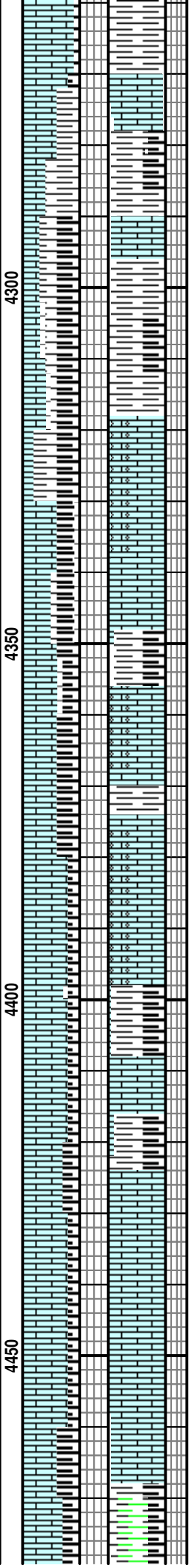
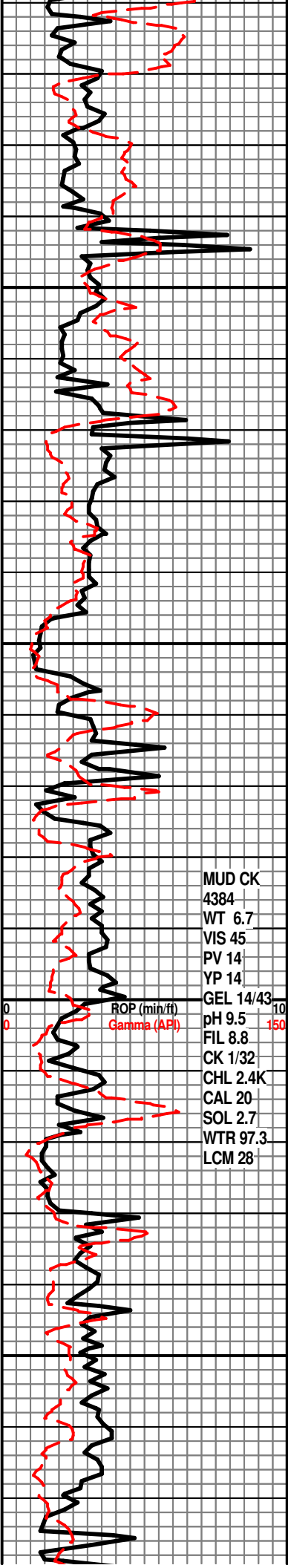
MUDLOGGER

Name: BILL KEMP // TROY FOWLER
 Company: MBC WELL LOGGING LLC
 Address: 21156 RD 22
 MEADE, KANSAS 67864

ROCK TYPES

	Anhy		Ls & ooids		Sltst		Ss		Sndy-ls-1
	Brec		Oolitic ls -1		Salt		Grn sh strk		Calc shale
	Cht		Stgensndy-		Sndy sh--reg		Lmy sh-2		Granitewash
	Coal		New ls-1		Sndy sh		Grn mott gy		Ls shly-b
	Congl		Carby shale		Sltst-1		Shale-1		Poor sortd ss
	New dolomite		Lmy carby		Sltly-shale		Red sh-1		Snd-ls-sh
	Dolo new		Carb sh		Lmy ss-1		Stgensndy-arkos		
	Newdolo ls		Gyp		Arkosic snd		Sndy ool ls		





SH: LT GY F TEXT FIRM PLTY TO SPLINTERY

SH: MOST BLK F TEXT FIRM BLKY CARB SME DK GY F TEXT FIRM BLKY TO PLTY

LS: OFF WHT BUFF VF XLN SLI CHLKY APPEAR WITH SME TAN GYISH TAN MICRO XLN HD DEN

SH: MOST BLK F TEXT FIRM BLKY CARB SME DK GY F TEXT FIRM BLKY TO PLTY

LS: BUFF TAN LT TO DK BRN MICRO XLN SLI FRACTURED IP SME IMBEDDED OOLTES

SH: MOST BLK F TEXT FIRM BLKY CARB SME DK GY F TEXT FIRM BLKY TO PLTY

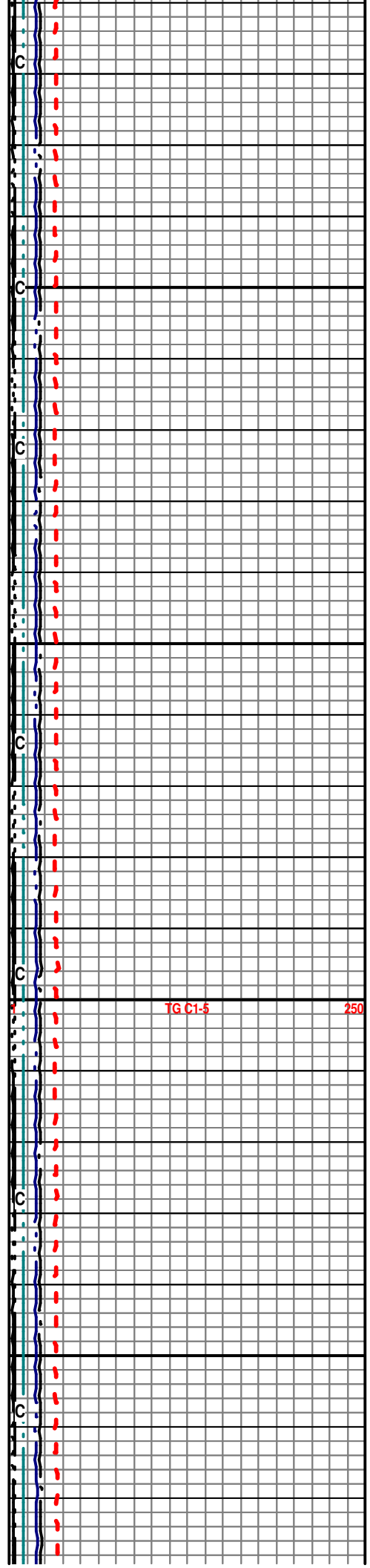
SH: MOST DK GY F TEXT FIRM SLI CARB APPEAR

LS: BUFF TAN LT TO DK BRN MICRO XLN SLI FRACTURED IP SME IMBEDDED OOLTES

SH: MOST DK GY F TEXT FIRM SLI CARB APPEAR

LS: BUFF TAN LT BRN MICRO XLN MICRO FRACTURED SME FILLED WITH BLK DOS SME LT GY/BRN SLI SHALY APPEAR

SH: SME BLK BLKY F TXT SLI CARB SME LT GN VF GRAINY APPEAR GRADES TO SLTST IP

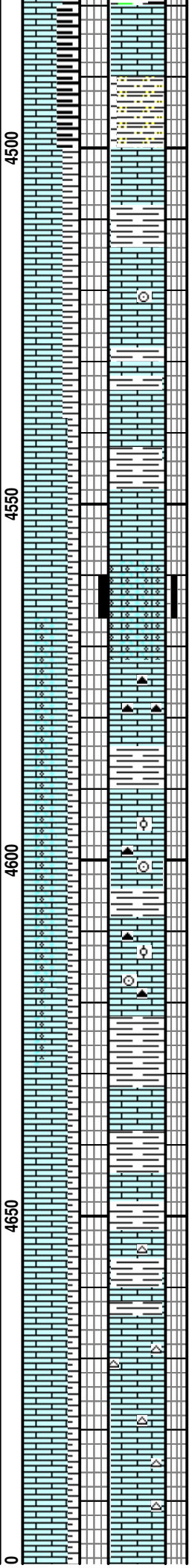
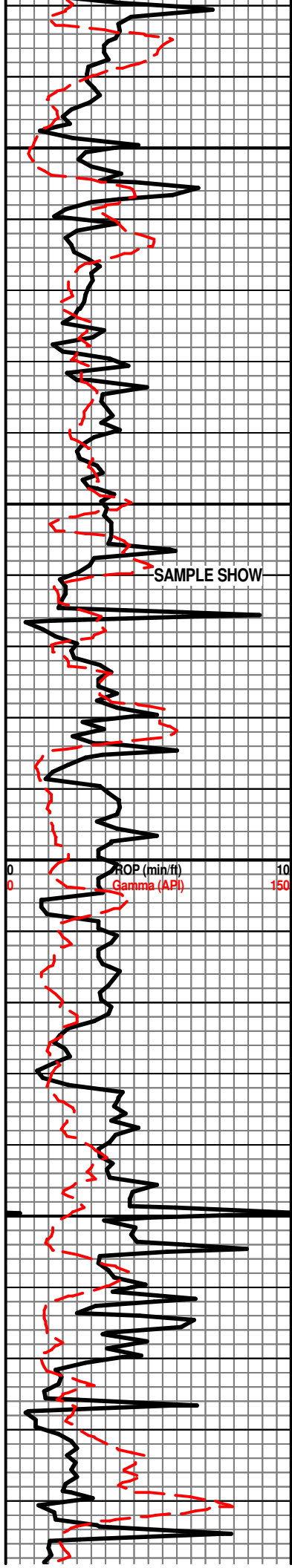


MUD CK
4384
WT 6.7
VIS 45
PV 14
YP 14
GEL 14/43
pH 9.5
FIL 8.8
CK 1/32
CHL 2.4K
CAL 20
SOL 2.7
WTR 97.3
LCM 28

ROP (min/ft)
Gamma (API)

TG C1-5

250



SH: LT GY TO SME LT GN VF GRAINY
TEXT SLI SNDY APPEAR

LS- CRM OFF WHT TO LT TN, HRD DNS
TO BRITT, F/VF-XLN TO RE-XLN MTX,
SUCRO TO SUB-CHLKY, TRS OF FOSS
FRAGS, TRS OF CALC-XLS, DLL YEL
MIN FLO THRU, NO VIS CUT, NO VIS
SHOW

LS- CRM OFF WHT LT TN TO LT GY IP,
M/F-XLN TO OOLITIC, CHLKY, TRS OF
FOSS FRAGS, TRS OF OOLITES PR
SORTED, TRS OF DRK GY TO TN CHRT,
YEL FLO IP TO DLL YEL FLO THRU,
FR/GD OOLCAST POR, SLO YEL FLUSH
CUT, NO ODOR, POSS OIL STNS

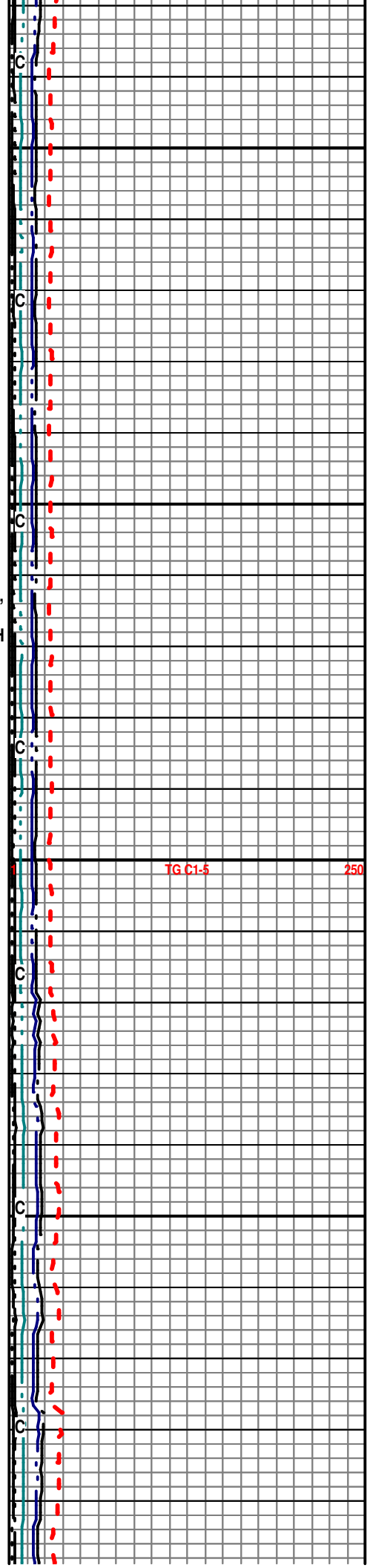
SH- GY DRK BRN, FRM BRITT TO SFT,
SMTH BLKY TO SLI PLTY, MICRO PYR
IP

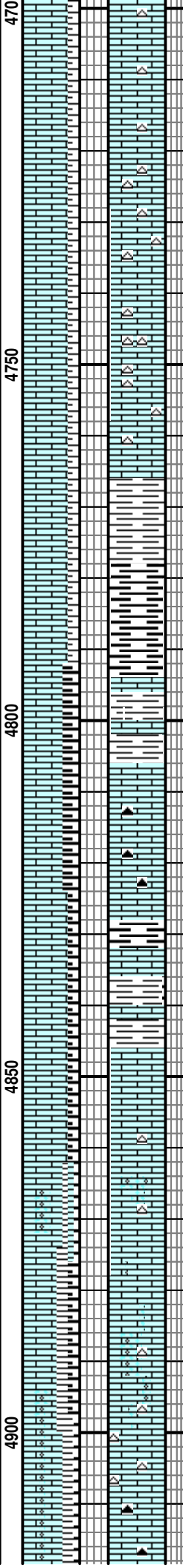
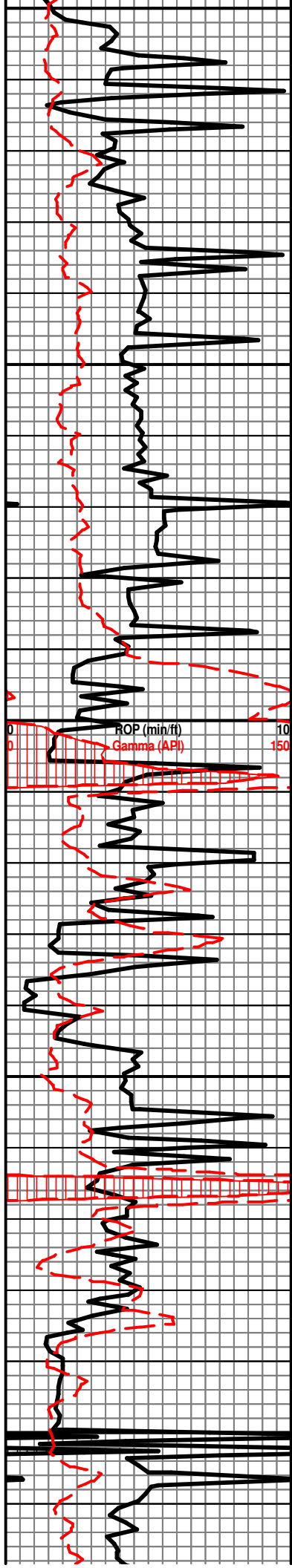
LS- CRM OFF WHT TO LT TN, HRD DNS
TO BRITT, F/VF-XLN TO RE-XLN MTX,
SUCRO TO SUB-CHLKY, TRS OF FOSS
FRAGS, TRS OF OOLITES, TRS OF LT
TN CHRT, DLL YEL MIN FLO THRU, NO
VIS CUT, NO VIS SHOW

TROY FOWLER BEGINS LOGGING @
10:30 PM 02/05/2013

SH- GY GRN BLK TO BRN, FRM SFT,
BLKY TO SLI GRNY, POSS CARB IP

LS- CRM OFF WHT LT TN TO LT GY,
HRD DNS TO SLI BRITT, F/VF-XLN TO
RE-XLN MTX, SUB-SUCRO TO SLI
CHLKY, TRS OF OFF WHT TO LT TN
CHRT SME W/ FOSS FRAGS/OOL,
V/DLL YEL MIN FLO THRU, NO VIS
POR, NO VIS CUT, NO VIS SHOW, NO
DET ODOR





LS- OFF WHT CRM LT TN LT GY TO MOTT, HRD DNS TO BRITT, F-XLN, SUB-SUCRO, ABNDT TRS OF GY LT GY TN TO OFF WHT CHRT, F/TRS OF MICRO-OOL IN CHRT, DLL YEL FLO THRU, NO VIS CUT OR SHOW

LS- TN BRN TO MOTT, HRD DNS, F/VF-XLN TO SLI CRYPTO, SUCRO, ABNDT TRS OF TN DRK GY CHRT, DLL YEL FLO THRU, NO VIS POR, NO VIS CUT, NO VIS SHOW

SH- GY DRK GY DAUB TO BLK, FRM BRITT TO SLI SFT, SMTH BLKY TO GRNY, CARB IP

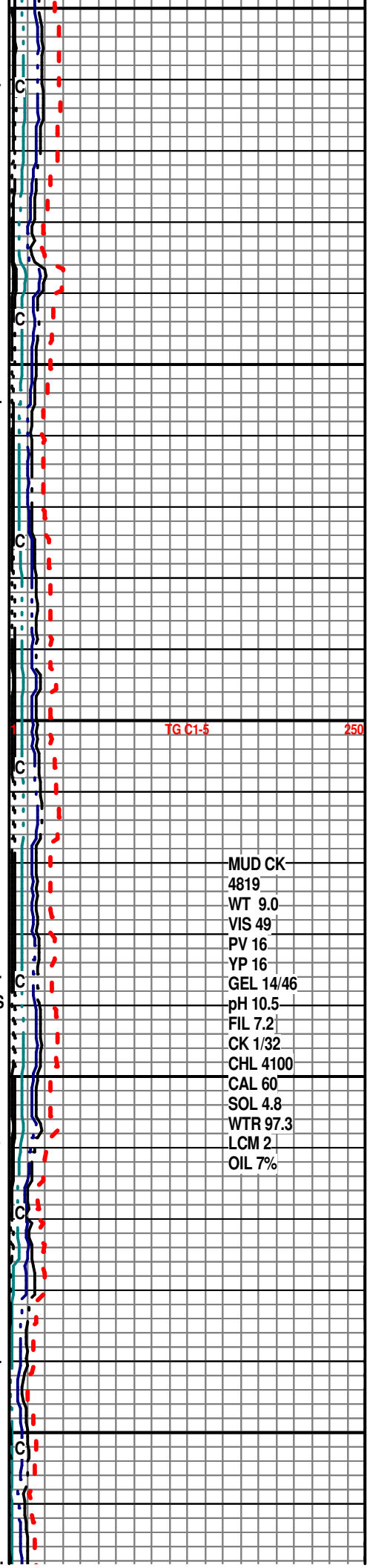
LS- GY BRN TN TO BUFF, HRD DNS TO BRITT, F/VF-XLN, SUCRO TO SUB CHLKY, TN DRK TO BRN CHRT SME SEMI OPAQ, YEL MIN FLO THRU, NO VIS POR, NO VIS CUT OR SHOW

SH- GY DRK GY BLK TO GRN, FRM SFT TO BRITT, SMTH BLKY TO GRNY, POSS SILTY IP, CARB IP

LS- GY OFF WHT TO MOTT, HRD BRITT, F/VF-XLN, CHLKY, LT GY TO LT TN CHRT, F/TRS OF OOLITES, DLL YEL MIN FLO, POSS PR INTER-OOL POR, NO VIS CUT, NO VIS SHOW

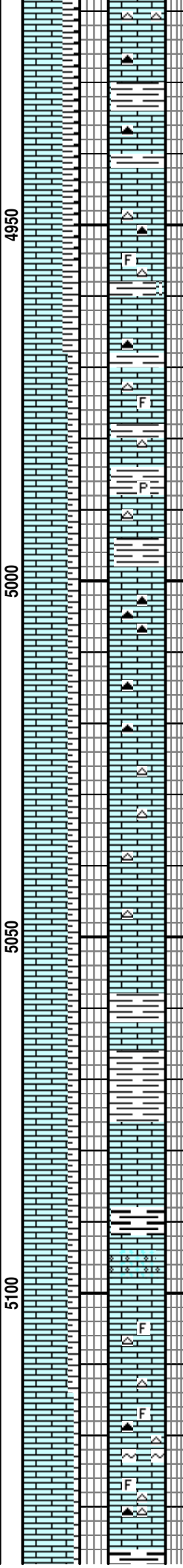
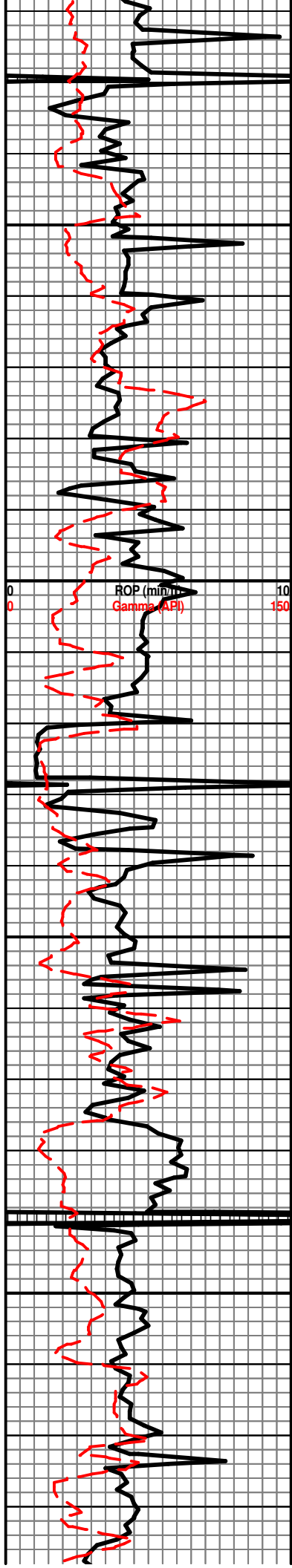
LS- CRM OFF WHT LT GY TO TN, HRD BRITT, F-XLN TO RE-XLN MTX, SUCRO TO SLI CHLKY, LT TN CHRT, TRS OF OOL, YEL FLO IP TO DLL YEL FLO THRU, FR OOLCAST POR, V/SLOW YEL FLUSH CUT,

LS- DRK GY TN TO BUFF, HRD DNS TO BRITT, F/VF-XLN TO CRYPTO, SUB-SUCRO TO CHLKY, F/TRS OF SFT OFF WHT CHLK, TRS OF TN DRK GY TO LT TN CHRT. V/DLL YEL MIN FLO IP.



TG C1-5 250

MUD CK
4819
WT 9.0
VIS 49
PV 16
YP 16
GEL 14/46
pH 10.5
FIL 7.2
CK 1/32
CHL 4100
CAL 60
SOL 4.8
WTR 97.3
LCM 2
OIL 7%



NO VIS POR, NO VIS CUT, NO VIS SHOW

LS- DRK GY TN TO MOTT, HRD DNS, F/VF-XLN TO SLI RE-XLN, CRYPTO IP, SUB-SUCRO, FOSS FRAGS, DRK TN TO GY CHRT, V/DLL YEL FLO, NO VIS POR, NO VIS CUT OR SHOW

SH- GY DRK GY TO BRN, FRM BRITT TO SFT, SMTH GRNY, TRS OF PYR

LS- CRM OFF WHT LT GY TN TO MOTT, HRD DNS TO BRITT, F-XLN, SUCRO TO CHLKY IP, HAS GRNY APPR IP, TN DRK GY CHRT, SPOTTY DLL YEL MIN FLO, NO VIS POR, NO VIS CUT, NO VIS SHOW

5035 @ 12:01 AM 02/07/2013

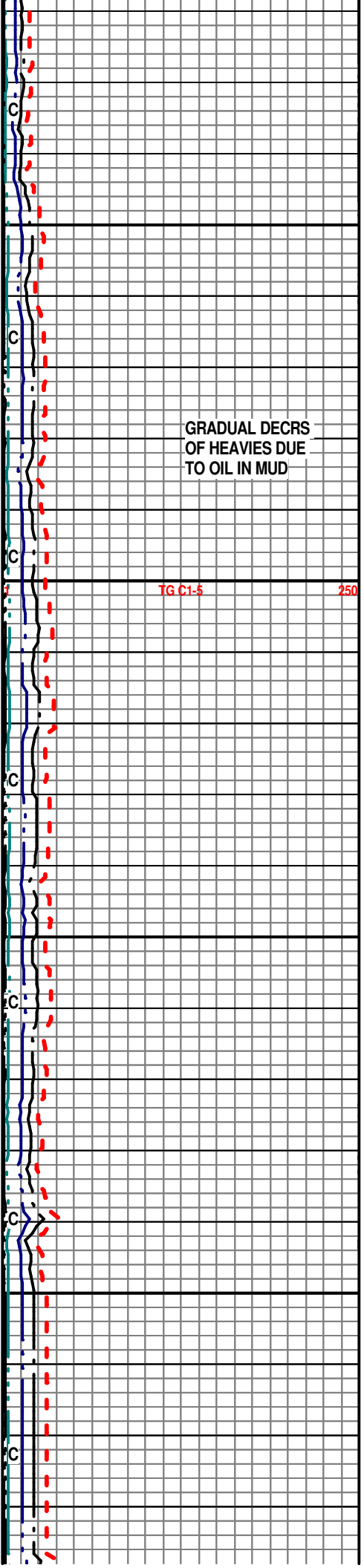
LS- TN DRK GY OFF WHT TO BUFF, HRD DNS TO BRITT, F-XLN, SUB-SUCRO TO CHLKY, F/TRS SFT OFF WHT CHLK, LT TN CHRT IP, FOSS FRAGS, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW

SH- DRK GY, FRM SFT, SMTH GRNY

SH- CARB

LS- CRM OFF WHT LT TN TO LT GY, HRD DNS TO BRITT, F-XLN, SUCRO TO CHLKY, PR SORT OOLITES, F/TRS OF TN OFF WHT CHRT SME W/ OOLITES, DLL YEL MIN FLO, POSS PR INTER-OOL POR TO NO VIS POR THRU, NO VIS CUT OR SHOW, LOOKS TT THRU

LS- CRM OFF WHT LT TN TO MOTT, HRD DNS TO BRITT, F/VF-XLN TO RE-XN MTX, SUB-SUCRO TO CHLKY, SNDY TXT IP, TRS OF GLAUC IP, TRS



GRADUAL DECRS OF HEAVIES DUE TO OIL IN MUD

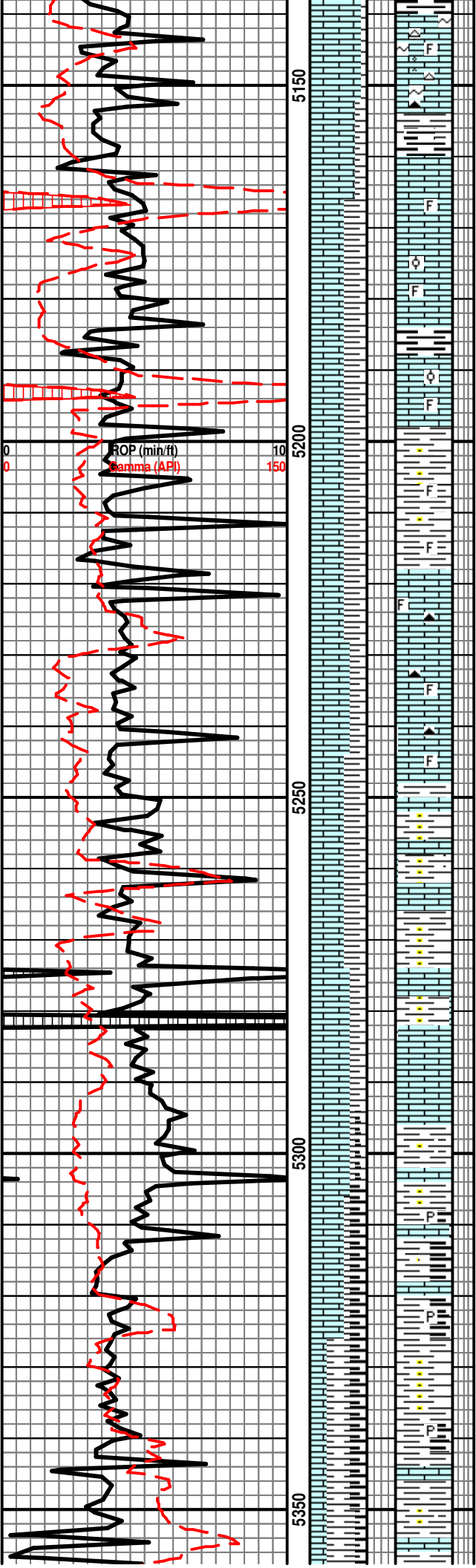
TG C1-5 250

4950

5000

5050

5100



OF SFT OFF WHT CHLK, ABNDT TN GY TO OFF WHT OPAQ CHRT SM W/ FOSS FRAGS, FOSS FRAGS, F/TRS OF OOLITES, YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT

LS- CRM OFF WHT GY TO MOTT, HRD BRITT, F-XLN, SUB-CHLKY, ABNDT FOSS FRAGS, F/TRS OF PR SORT OOLITES, LOOKS WEATHERED, DLLYEL FLO, POSS PR INTER-FOSS POR TO NO VIS POR THRU, NO VIS CUT, NO VIS SHOW

CHEEROKEE 5183' / -2200'

SH- GY DRK GY, FRM BRITT TO SFT, SMTH GRNY, SILTY TXT IP, TRS OF FOSS FRAGS, CALC IP

LS- DRK GY TN OFF WHT TO MOTT, HRD DNS TO BRITT, F-XLN, SUB-SUCRO TO SLI CHLKY, FOSS FRAGS, TN DRK GY CHRT, F/TRS OF SHADOW OOLITES, V/DLL YEL FLO, NO VIS POR, NO VIS CUT OR SHOW

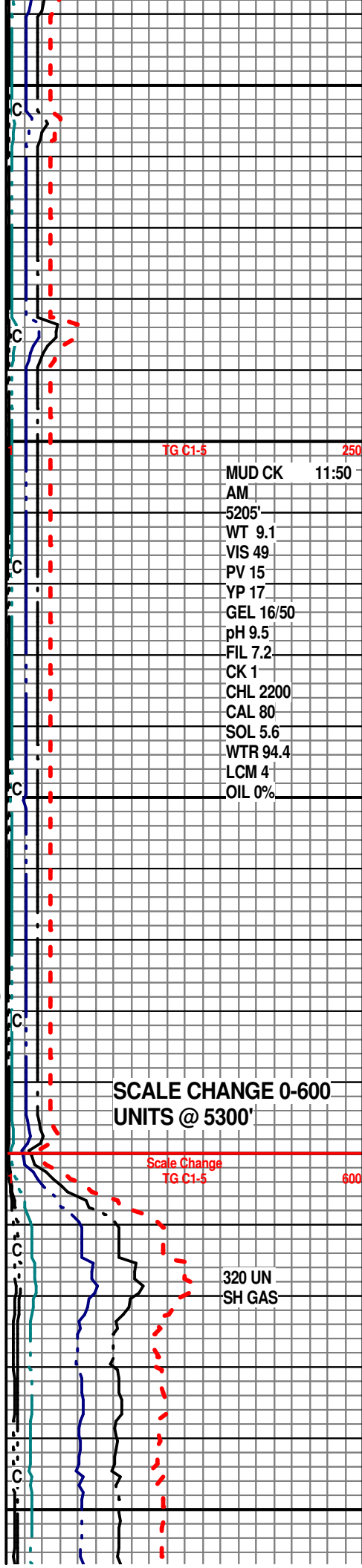
SH- GY DRK GY, GRNY, SILTY, CALC IP

5362' @ 12:01 AM 02/08/2013

LS- CRM OF WHT LT GY TO LT TN, HRD BRITT, F//VF-XLN SUCRO TO SUB-CHLKY, F/TRS OF OOLITES PR SORT, TRS OF CLR LT TN OPAQ CHRT, SPOTTY YEL MIN FLO, NO VIS POR, NO VIS CUT, NO VIS SHOW

SH- GY DRK GY TO BLK, SMTH BLKY TO GRNY, SILTY IP, CARBY IP TO TRS OF CALC AND LT TN LS STRNGS, F/TRS OF PYR

SH- GY DRK GY TO BLK, SMTH BLKY TO GRNY, SILTY IP, CARBY IP, TRS OF PYR

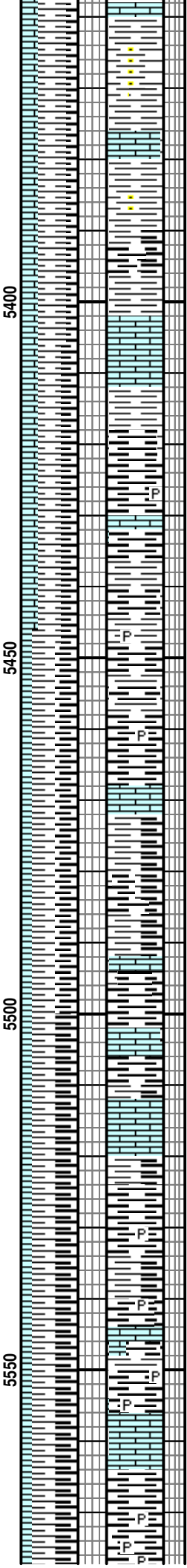
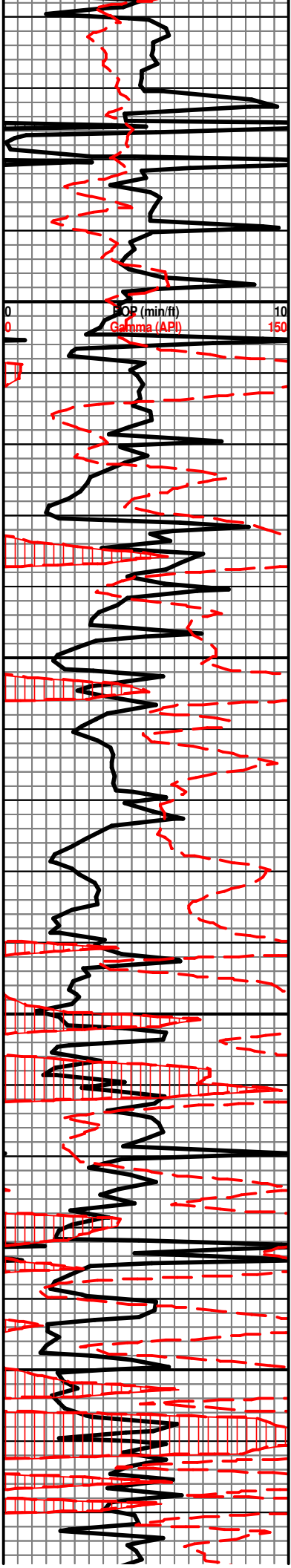


TG C1-5	250
MUD CK	11:50
AM	
5205'	
WT	9.1
VIS	49
PV	15
YP	17
GEL	16/50
pH	9.5
FIL	7.2
CK	1
CHL	2200
CAL	80
SOL	5.6
WTR	94.4
LCM	4
OIL	0%

SCALE CHANGE 0-600 UNITS @ 5300'

Scale Change TG C1-5 600

320 UN SH GAS



SH- GY DRK GY TO BLK, FRM BRITT,
SMTH BLKY TO GRNY, SILTY IP, TRS
OF FOSS FRAGS (SHELLS), CALC IP

CARB SH- BLK, BLKY

LS- TN GY TO MOTT, HRD DNS TO
BRITT, F-VF-XLN, SUB-SUCRO TO
CHLKY, TN DRK GY CHRT, DLL YEL
MIN FLO, NO VIS POR NO VIS CUT OR
SHOW

ATOKA 5417' / -2434'

CARB SH- BLK, FRM SFT, SMTH BLKY

CARB SH- BLK, FRM SFT, SMTH BLKY,
CALC IP, TRS OF CHLKY LS, SME
FOSS FRAGS IP, F/TRS OF PYR

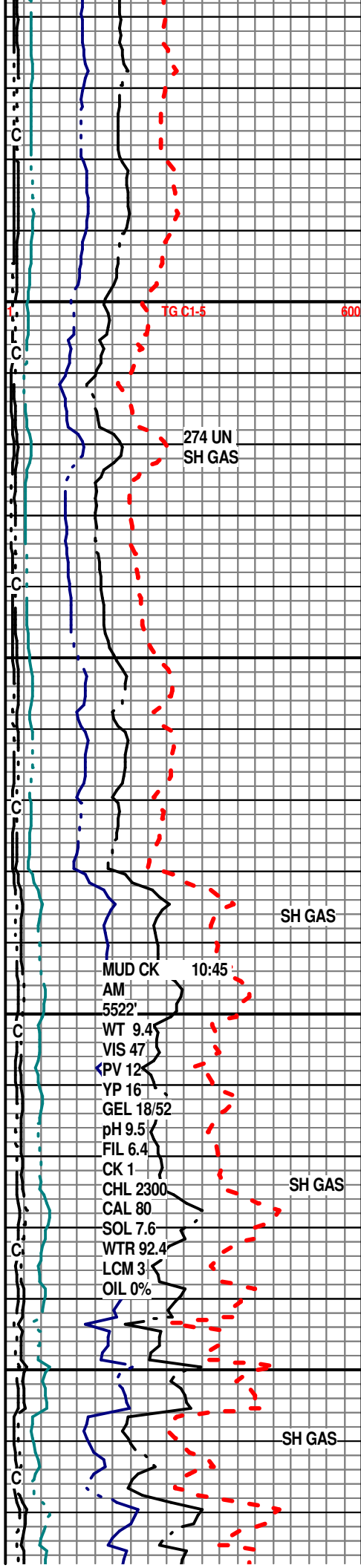
CARB SH- BLK, FRM SFT, SMTH BLKY,
CALC IP, TRS OF CHLKY LS, SME
FOSS FRAGS IP, F/TRS OF PYR

LS- TN GY TO MOTT, HRD BRITT,
F/VF-XLN, SUB-CHLKY, YEL MIN FLO,
NO VIS POR, NO VIS CUT OR SHOW

CARB SH- BLK DRK GY, FRM SFT,
SMTH BLKY SPLNTY IP, F/TRS OF PYR
NODS

LS- CRM DRK GY TO MOTT, HRD
BRITT, F/VF-XLN, SUB-CHLKY, YEL MIN
FLO, NO VIS POR, NO VIS CUT OR
SHOW

CARB SH- GY DRK GY TO BLK, SMTH



TG C1-5

600

274 UN
SH GAS

SH GAS

MUD CK 10:45
AM
5522'
WT 9.4
VIS 47
PV 12
YP 16
GEL 18/52
pH 9.5
FIL 6.4
CK 1
CHL 2300
CAL 80
SOL 7.6
WTR 92.4
LCM 3
OIL 0%

SH GAS

SH GAS

BLKY TO SPLNTY IP, TRS OF PYR IP

MORROW SH 5584' / -2601'

LS- TN LT GY OFF WHT TO FRCKLED, F-XLN MTX, CHLKY, TRS OF PYR, DISS GY TO BLK SH, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SH

SH- DRK GY TO DRK GRN, FRM SFT. SMTH BLKY, TRS OF PYR, TRS OF FOSS FRAGS (SHELLS) SME PYRITIC, POSS CARBY IP

SS- CLR FRSTY, QRTZ-GRNS, FRI TO TT, MED CRS GRNS, SLI ARKOSIC, SUB-ANG TO ANG, SILC CMNT, DLL YEL FLO, POSS FR INTER-GRN POR, FAINT THIN RING CUT, FAINT GASSY ODOR DET

SH- DRK GY TO DRK GRN, FRM SFT. SMTH BLKY, TRS OF PYR, TRS OF FOSS FRAGS, POSS CARBY IP

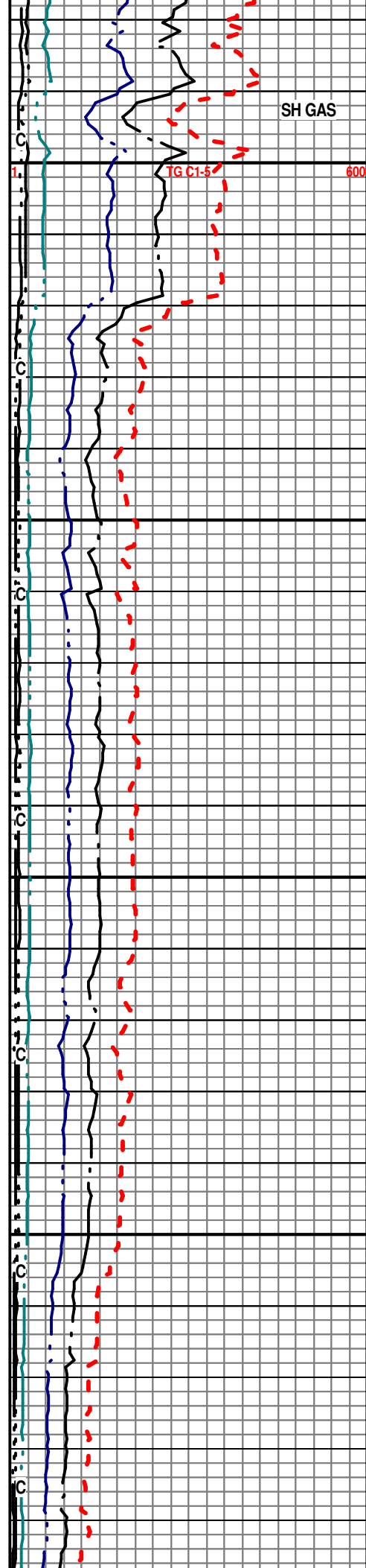
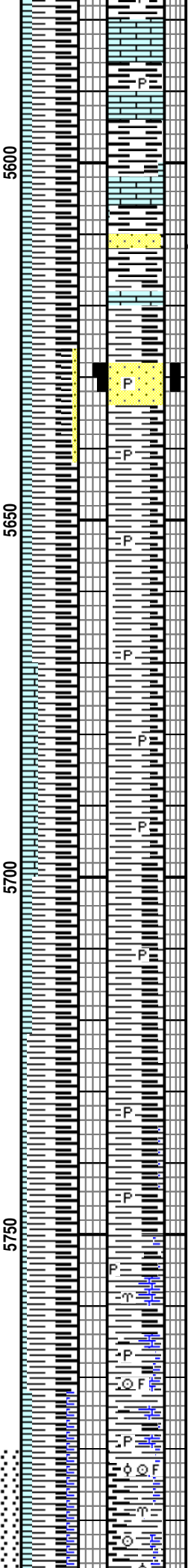
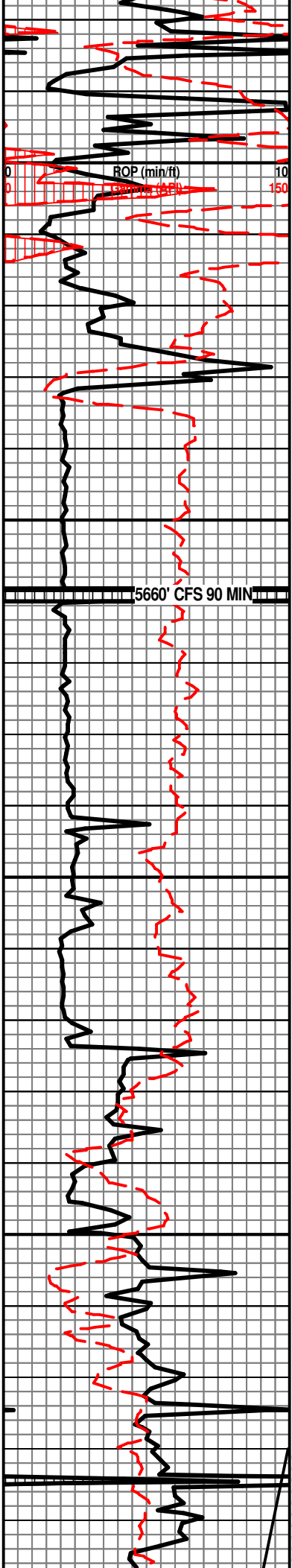
SH- DRK GY TO DRK GRN, FRM SFT. SMTH BLKY SPLNTY TO SLI GUMMY, TRS OF PYR, TRS OF FOSS FRAGS, POSS CARBY IP

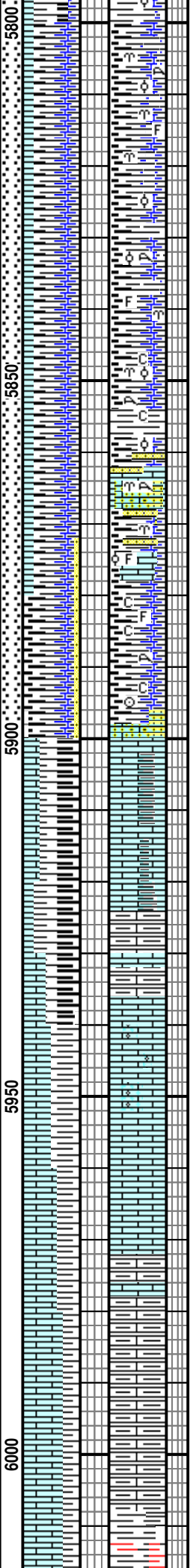
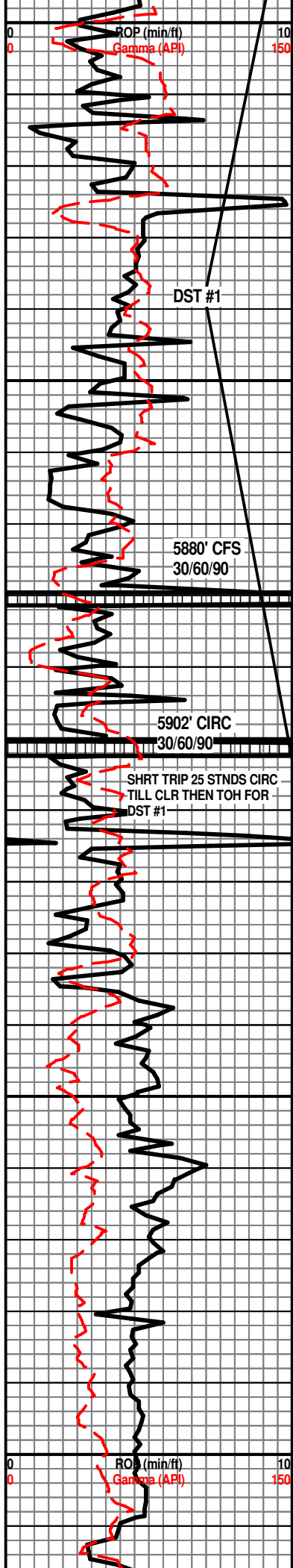
SH- DRK GY TO DRK GRN, FRM SFT. SMTH BLKY SPLNTY TO SLI GUMMY, TRS OF PYR, POSS CARBY IP

5748' @ 12:01 AM 02/09/2013

SH- GY DRK GY BLK, FRM BRITT TO SFT, SMTH BLKY TO SPLNTY, GUMMY, SILTY, POSS CARB IP, TRS OF PYR, FOSS FRAGS IN CHLKY COCHINA LS MTX, CALC IP

SH- GY DRK GY BLK, FRM BRITT TO





SFT, SMTH BLKY TO SPLNTY, GUMMY,
SILTY, POSS CARB IP, TRS OF PYR,
FOSS FRGS IN CHLKY COCHINA LS
MTX, CALC IP

SH- GY DRK GY BLK, FRM BRITT TO
SFT, SMTH BLKY TO SPLNTY, GUMMY,
SILTY, POSS CARB IP, TRS OF PYR,
ABNDT FOSS FRGS IN CHLKY
COCHINA LS MTX, CALC IP

CHESTER 5862' / -2879'

SNDY LS- TN DRK BRN GY TO BUFF,
HRD V/BRITT, SS IS V/F GRN QRTZ, LS-
CHLKY W/ ABNDT FOSS FRGS W/
DISS TO LAMN DRK GY SH, V/DLL YEL
FLO SPOTTY, SS- APPEARS TO BE
STRNGS, TT, LS- COCHINA APPEAR IP,
V/BRITT, SHELLS, OOLITES, CRINOIDS
FRGS, POSS INTER-FOSS POR, V/SLO
YEL FLUSH CUT, NO DET ODOR

5902' 2:00 PM 02/09/2013 TOH FOR DST
#1
RETURN TO DRILLING 2:00 PM
02/10/2013

V/LT GY VF SUCROSIC SHLY LS TR
GYISH W/GY VF PELL & FOSS FRGS,
NO ODOR, MFNSOC

MOUSE GY SH CALC

LS; LT GY OFF WH, GRNY W/IMBD
CRIN, PYR NO SHOW

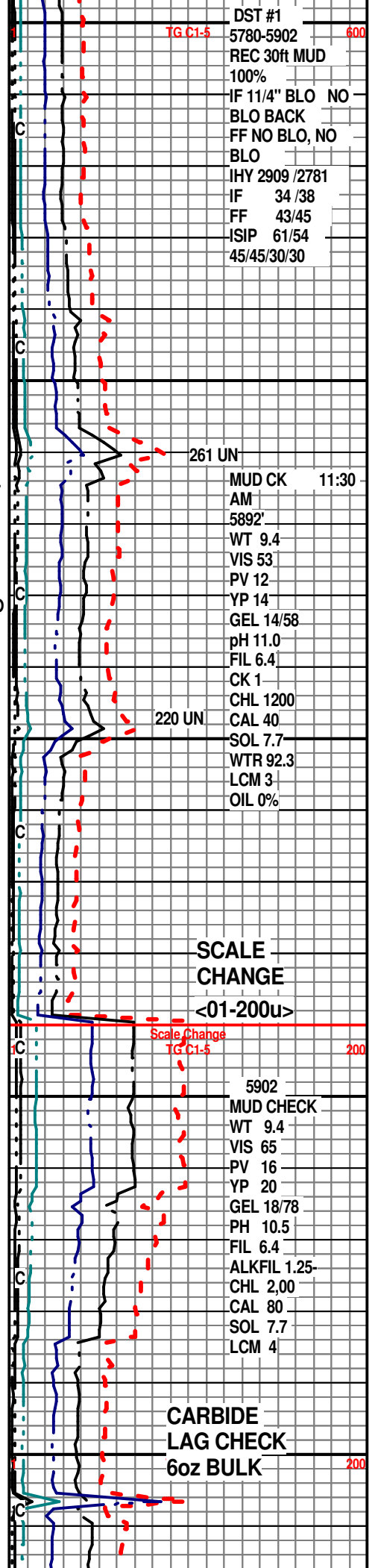
LS; GY SPARRY W/FOSS FRGS, PYR
TR OOL, MFNSOC

LS; LT CRM, SLI YEL TINT,
CHLKY-FOSS, PYR INTBD FOSS SH

SH; LT & MED GY PLATY TO BLKY,
V/LMY PYR OCC FOSS

SHLY LS MED GY FRM SHELL FOSS

MAROON TINT GY SME YEL TINT SH



DST NR 2
6050-6101

SAMPLE SHOW>>

6050

SAMPLE SHOW>>

CHESTER SS
6093-3110ss

CFS 6101

6100

6150

6200

ROP (min/ft)
Gamma (API)

10
150

LS; LT YEL GY, SPARITIC FOSS SME
VF GRNY, W/BLK PP ASPH STNG, NO
ODOR, FAINT GOLD FLOR, SLO MILKY
CUT

LS; GY HD SHLY SME OOL SME YEL
STNG, FREE CRIN

LS; GY OFF WH BRTL, FOSS DETRT,
PYR NO ODOR MFNSOC

LS; YELL& GRN, HD XLN INCRS GY
CRINOIDAL, OFF WH GY W/ PP BLK
ASPH STNG, DULL FAINT GOLD FLOR,
SLO MILKY CUT

LS; LT GY/WH, CHLKY, VF FOSS
FRGS, VF SUCROSIC EDGES & FILL,
NO SHOW

SS; MED TO DK BRN, VF GR, PRD HD
TT, SME MED FRI-, S-ANG, SLO CALC,
VF PALE GLAU-SFT, OVER-ALL STNG,
GAS BUBLES, PP INTGR POR AT X45,
BRITE YELWH TO BRITE GOLD FLOR,
FLASH MILKY/STRMG CUT, BRITE
BLU-WH RESIDUAL CUT

SS; V/LT BRN STND, VF GR, S ANG.
MED/FRI CMT, SLI CALC, PALE GLAU,
YEL-GOLD FLOR, SLO MILKY STRM
CUT,

SS; CLR, S ANG, FRI, CALC, IMBD
CRIN, SCATT BRN TO PP BLK STNG,
DUL YEL-BLU-GRN FLOR, NO ODOR,
SLO MILKY CUT

LS; WH OFF WH VF AREN, SME
CHLKY MATRIX, MFNSOC

LOST 150 BBLS MUD 6150

LS; OFF WH SLI GY AREN, TR ORNG
VIT CHT,

AREN LS TR W/IMBD VF TN OIDS,
INCRS BRN TO OPAQ VIT CONCORD
FRAC CHRT, W/IMBD MICRO FOSS
DEBRIS, NO ODOR, MFNSOC

TR--LS; LT GY TN HD DNS CRYP
TO VF XLN, SPAR CMTED, SHADOW F
OOL, TR FOSS SHELTER, CY CHT,
PURPL MIN FLOR NSOC

DST # 2
6050-6101

REC 10ft OIL SPOT
MUD
430 GIP
IF 31/4" BLO NB
FF BOB 25min
NBB
IHY 2986/2892
IF 17/22
FF 24/29
ISIP 286/1204
30/30/45/90

25u INCRS

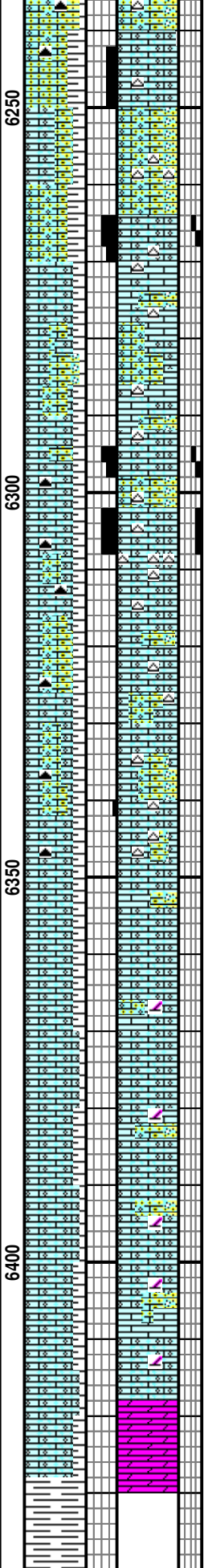
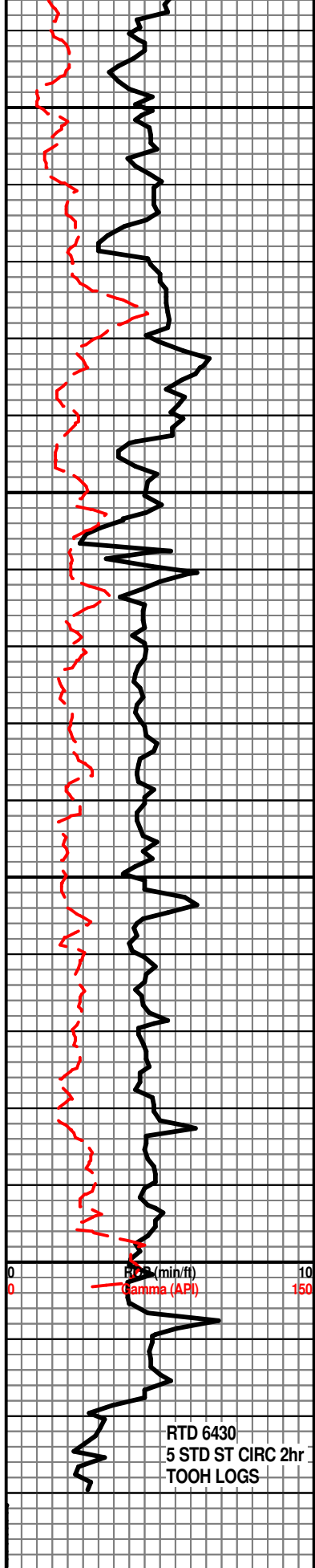
340u+ TRIP
GAS

6101
MUD CHECK
WT 9.3
VIS 47
PV 10
YP 1.2
GEL 12/42
PH 9.5
FIL 7.2
ALKFIL 0.5-
CHL 2,500
CAL 80
SOL 7
LCM 4

TG C1-5

200

6282 MUD
CHECK



LS; LT GY-TN, SPAR CMTED, P/SRTD
F TO MED OOL, HEAVY RIM COAT, TR
CHOR, OPAQ VIT CHT, CRM CHLK, NO
ODOR, PURPL FLOR NSOC

LS; OFF WH, CRM, VF XTL SPAR
CMT, F & MED OOL, THIN RIM COAT,
SME FOSS SHLTR, OOIIDS ARE
CHLKY, OPAQ TO ORNG CHT, NO
ODOR, SME V/FAINT GOLD TINGE
FLOR,

LS; OFF WH TO BUFF HD SPAR
CMTED VF OOL, & AREN, YEL TO
OPAQ CHT, PURPL FLOR NSOC

LS; LT GYISH TN TO CRM, SPAR
CMTD F OOL, SME FOSS, CRM CHLK,
NO ODOR, WEAK FAINT GOLD FLOR,
TR PP BLK STN, NO ODOR,

LS; LT CRM SPAR CMTED HEAVY
RIM COAT, F & MED OOL, CRM/WH
CHLK, OPAQ TO LT TN VIT CHT, NO
ODOR, PURPL FLOR NSOC

MED LT TN HD DNS XLN LITHO

LS; LT GY/TN HD CRYP XLN, SHDOW
VF OOL, ABDT CHT, NO ODOR, PURPL
FLOR NSOC

LS; LT GYISH/BUFF, TN VF F OOL,
FOSS SHLTR, PYR, OPAQ FRAC VIT
CHT, NO ODOR, PURPL FLOR NSOC

MOTT TN BUFF VF OOL, SME VF QTZ,
ABDT CHT, PURPL FLOR NSOC

LS; LT GYISH TN HD DNS SPAR
CMTED VF F OOL, SME FOSS, NO
ODOR, PURPL FLOR NSOC

GY BRN VF GRNY DOLO
THANKS FOR USING
MBC WELL LOGGING
AUSTIN & MARLA GARNER

WT 9.1
VIS 68
PV 18
PV 20
GEL 18/57
PH 9
FIL 7.6
ALKFIL .23/
CHL 2,800
CAL 20
SOL 5.6
LCM 10

TG C1-5 200