



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1233670  
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: \_\_\_\_\_



1233670

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> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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**\*\*CELLS WITH BLUE BACKGROUND ARE THE ONLY CELLS TO BE EDITED\*\***

Fracture Start Date/Time:	10/2/14 9:50
Fracture End Date/Time:	10/2/14 12:11
State:	Kansas
County:	Barber
API Number:	15-007-24207-0000
Operator Name:	Woolsey Operating Company LLC
Well Name:	Tucker B GU #7
Federal Well:	
Longitude:	-98.4896762
Latitude:	37.0965312
Long/Lat Projection:	NAD27
True Vertical Depth (TVD):	0'
Total Clean Fluid Volume* (gal):	475,734

(e.g. XX-XXX-XXXXX-0000)

Additive	Specific Gravity	Additive Quantity	Mass (lbs)	
Water	1.00	475,734	3,970,000	gal
Sand (Proppant)	2.65	297,600	297,600	lb
Plexcide B7	1.33	25	277	gal
Plexcide B7	1.33	25	277	gal
Plexgel Breaker XPA	1.03	80	688	gal
Plexset 730	0.90	91	683	gal
Plexset 730	0.90	91	683	gal
Plexsurf 580 ME	0.95	116	920	gal
Plexsurf 580 ME	0.95	116	920	gal
Plexslick 957	1.11	344	3,186	gal
Claymax	1.09	232	2,110	gal
Plexgel 907L-EB	1.04	311	2,699	gal
Plexgel 907L-EB	1.04	311	2,699	gal
Plexgel 907L-EB	1.04	311	2,699	gal
Plexgel 907L-EB	1.04	311	2,699	gal
Plexgel 907L-EB	1.04	311	2,699	gal
Plexgel Breaker 10L	1.10	4	37	gal
				gal
				gal
			Total Slurry Mass (Lbs)	
			4,290,878	

**Ingredients Section:**

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Operator	Carrier/Base Fluid	Water	7732-18-5	100.00%	3,970,000	92.52186%	
Sand (Proppant)	Uniman	Proppant	Crystalline Silica in the form of Quartz	14808-60-7 / 238-878-4	99.90%	297,302	6.92871%	
Plexcide B7	Chemplex	Biocide	Sodium Hydroxide	1310-73-2	4.99%	14	0.00032%	
Plexcide B7	Chemplex	Biocide	Alkaline Bromide Salts (non-hazardous)	NA	0.00%	0	0.00000%	
Plexgel Breaker XPA	Chemplex	Slickwater Breaker	Hydrogen Peroxide	7722-84-1	7.00%	48	0.00112%	
Plexset 730	Chemplex	Activator	Methanol	67-56-1	50.00%	342	0.00796%	
Plexset 730	Chemplex	Activator	Alcohol Ethoxylates	Mixture	60.00%	410	0.00956%	
Plexsurf 580 ME	Chemplex	Product Stabilizer	Methyl Alcohol	67-56-1	10.00%	92	0.00214%	
Plexsurf 580 ME	Chemplex	Product Stabilizer	2-Butoxyethanol	111-76-2	50.00%	460	0.01072%	
Plexslick 957	Chemplex	Friction Reducer	Petroleum Hydrotreated Light Distillate	64742-47-8	25.00%	797	0.01857%	
Claymax	Chemplex	Clay Stabilizer	No Hazardous Ingredient	NA	0.00%	0	0.00000%	
Plexgel 907L-EB	Chemplex	Gelling Agent	Distillates, Hydrotreated Light	64742-47-8	50.00%	1,350	0.03145%	
Plexgel 907L-EB	Chemplex	Gelling Agent	Organophylic Clay	NDA	2.00%	54	0.00126%	
Plexgel 907L-EB	Chemplex	Gelling Agent	Crystalline Silica	14808-60-7	0.06%	2	0.00004%	
Plexgel 907L-EB	Chemplex	Gelling Agent	Alcohol Ethoxylates	34398-01-1	1.00%	27	0.00063%	
Plexgel 907L-EB	Chemplex	Gelling Agent	Guar Gum	9000-30-0	50.00%	1,350	0.03145%	
Plexgel Breaker 10L	Chemplex	Breaker/Gel	No Hazardous Ingredient	NA	0.00%	0	0.00000%	

\*Total Water Volume sources may include fresh water, produced water, and/or recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.

# ALLIED OIL & GAS SERVICES, LLC 063030

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
Medicine Lodge KS

DATE <u>8/11/14</u>	SEC. <u>11</u>	TWP. <u>34</u>	RANGE <u>11</u>	CALLED OUT <u>4:00 PM</u>	ON LOCATION <u>6:30 PM</u>	JOB START <u>1:015 PM</u>	JOB FINISH <u>1:115 PM</u>
LEASE <u>Tucker</u>				WELL # <u>BGU-7</u>		LOCATION <u>Gerlang &amp; Bethel Rd, South to</u>	
OLD OR <u>NEW</u> (Circle one)				Scott Canyon, 3/4 West, North into			
COUNTY <u>Barber</u>		STATE <u>KS</u>					

CONTRACTOR Fossil Drilling #3

OWNER Woolsey Operating

TYPE OF JOB Surface

HOLE SIZE 17 1/2 T.D. 235

CASING SIZE 13 3/8 DEPTH 226

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX 150 MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 20'

PERFS. \_\_\_\_\_

DISPLACEMENT 32 1/2 BBLs Fresh H<sub>2</sub>O

**EQUIPMENT**

PUMP TRUCK CEMENTER Jason Thimesch

# 892/555 HELPER TJ Gibson

BULK TRUCK \_\_\_\_\_

# 421/290 DRIVER Ryan Reeves

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

CEMENT

AMOUNT ORDERED 300sx Class A 3% Cc + 2% Gel

COMMON A 300 sx @ 17.90 5370.00

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GEL 564 # @ .50 282.00

CHLORIDE 846 # @ 1.10 930.60

ASC \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

HANDLING \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_

20% = 1316.52 TOTAL 6582.60

**SERVICE**

DEPTH OF JOB 235'

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE LV 20 mi @ 4.40 88.00

MILEAGE 20 mi @ 7.70 154.00

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

Handling 324 cuft @ 2.48 803.52

Drayage ton x mi 296 @ 2.75 814.27

20% = 674.40

TOTAL 3372.04

**PLUG & FLOAT EQUIPMENT**

NA

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 9954.64

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

NET 7963.71

CHARGE TO: Woolsey Operating

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 Jim Weirich

SIGNATURE Jim Weirich

# ALLIED OIL & GAS SERVICES, LLC 062814

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
MEADOWS K1

DATE <u>8-20-14</u>	SEC <u>11</u>	TWP <u>3A</u>	RANGE <u>11</u>	CALLED OUT <u>11:30 AM</u>	ON LOCATION <u>12:30 PM</u>	JOB START <u>3:45 PM</u>	JOB FINISH <u>7:15 PM</u>
LEASE <u>TUCKER</u> WELL # <u>86U #7</u>			LOCATION <u>Geolans BLK Top to Bethel Road</u>			COUNTY <u>Barren</u>	STATE <u>K1</u>
OLD OR NEW (Circle one)			<u>South Scott Canyon Road</u>				

CONTRACTOR <u>Fossil #3</u>	OWNER <u>Woodsey OPEZ</u>
TYPE OF JOB <u>5/2 Production</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>5125</u>
CASING SIZE <u>5 1/2 15.5</u>	DEPTH <u>5013</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>45.11</u>
CEMENT LEFT IN CSG. <u>45.11</u>	
PERFS.	
DISPLACEMENT	

EQUIPMENT	
PUMP TRUCK	CEMENTER <u>T. SEBA</u>
# <u>094-265</u>	HELPER <u>R. Johnson</u>
BULK TRUCK	
# <u>364</u>	DRIVER <u>W. Ruckee</u>
BULK TRUCK	
#	DRIVER

CEMENT		
AMOUNT ORDERED	<u>905x 60/40 4% GEL</u>	
	<u>100x Class H 10% GEL 10% SALT</u>	
	<u>6" Kaseal 7% FL-160- 14" FLOSEAL</u>	
COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
<u>60/40 4</u>	<u>905x</u>	@ <u>18.92</u> <u>1702.80</u>
<u>Class H</u>	<u>100x</u>	@ <u>25.28</u> <u>2528.00</u>
<u>GASEAL</u>	<u>940 lbs</u>	@ <u>.88</u> <u>827.20</u>
<u>SALT</u>	<u>540 lbs</u>	@ <u>.68</u> <u>367.20</u>
<u>Kaseal</u>	<u>600 lbs</u>	@ <u>.98</u> <u>588.00</u>
<u>FL-160</u>	<u>75 lbs</u>	@ <u>18.80</u> <u>1417.50</u>
<u>FLOSEAL</u>	<u>25 lbs</u>	@ <u>2.97</u> <u>74.25</u>
<u>CLAPED</u>	<u>17 gal</u>	@ <u>34.40</u> <u>417.80</u>
HANDLING	@	
MILEAGE		
<u>20% = 1583.55</u>		TOTAL <u>7917.75</u>

REMARKS:  
Run 111 ft's 5/2 15.5" CSG  
Float shoe & LD Baffle 1st = 45.11  
Turbolizers on 1st's 1-2-3-5-6-7-8-9-10-11  
Recp scratches on 1st's 6-7-8-9-10  
Plug R-M holes  
Mix 5% Seawater @ 14.14 gal  
Mix 100% Class H @ 14.84 gal  
Drip 11 B. 5 rals, 24% KCL  
Plug down 2000' 6:49

SERVICE	
DEPTH OF JOB	<u>5013</u>
PUMP TRUCK CHARGE	<u>3099.25</u>
EXTRA FOOTAGE UN	<u>20 @ 4.40 88.00</u>
MILEAGE	<u>20 @ 7.70 154.00</u>
MANIFOLD HEAD	<u>@ 275.00 275.00</u>
Handling	<u>228.84 @ 2.43 560.00</u>
M. Leases	<u>193.75 @ 2.75 531.44</u>
<u>20% = 941.55</u>	
	TOTAL <u>4707.77</u>

CHARGE TO: Woodsey OPEZ  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

WELL FILE

Regulatory Correspondence  
 Drg / Comp Workovers  
 Tests / Meters Operations

PLUG & FLOAT EQUIPMENT	
<u>Weatherford</u>	<u>5/2</u>
<u>RFJ Float SHOE</u>	<u>1EA @ 545.00</u>
<u>LD Plug &amp; Baffle</u>	<u>1EA @ 660.00 660.00</u>
<u>Turbolizer</u>	<u>10 EA @ 95.00 950.00</u>
<u>Recp scratches</u>	<u>20 EA @ 89.00 1780.00</u>
	@
	TOTAL <u>3935.00</u>

To: Allied Oil & Gas Services, LLC.  
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SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 16560.52  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME MIKE JARRAP  
 SIGNATURE [Signature]

NET 14,035.42

SEP 10 2014



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Woolsey Operating Co., LLC

**11-34s-11w Barber Co.**

125 N. Market STE 1000  
Wichita, Ks. 67202

**Tucker "B" GU #7**

ATTN: Bill Klaver

Job Ticket: 54132

**DST#: 1**

Test Start: 2014.08.17 @ 12:30:16

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 14:53:16

Time Test Ended: 22:33:46

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 53

**Interval: 4598.00 ft (KB) To 4644.00 ft (KB) (TVD)**

Reference Elevations: 1395.00 ft (KB)

Total Depth: 4644.00 ft (KB) (TVD)

1383.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 6773**

**Inside**

Press @ Run Depth: 56.38 psig @ 4599.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.17

End Date:

2014.08.17

Last Calib.:

2014.08.17

Start Time: 12:30:21

End Time:

22:33:46

Time On Btm:

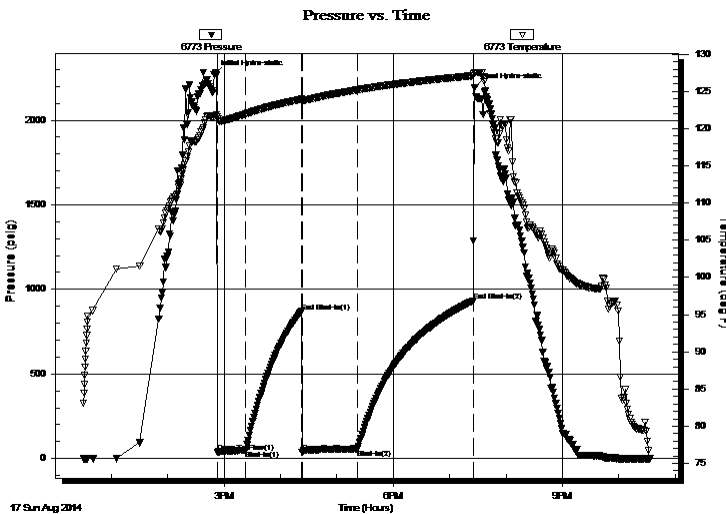
2014.08.17 @ 14:49:16

Time Off Btm:

2014.08.17 @ 19:26:46

**TEST COMMENT:** IF: Strong blow . B.O.B. in 30 secs.  
IS: No blow . Bleed of in 3 1/2 mins.  
FF: Strong blow . B.O.B. in 10 secs.  
FS: Fair blow . Surf., - 5 1/2". Bleed off for 15 mins.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2269.41	121.56	Initial Hydro-static
4	38.54	121.38	Open To Flow (1)
34	49.59	121.94	Shut-In(1)
94	869.00	123.94	End Shut-In(1)
94	36.07	123.78	Open To Flow (2)
153	56.38	125.18	Shut-In(2)
276	932.29	127.10	End Shut-In(2)
278	2194.50	127.51	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	GCM 2%g 98%m slt oil	0.30
2.00	GCM 2%g 98%m	0.01
0.00	1,074' G.I.P. 100%g	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating Co., LLC

**11-34s-11w Barber Co.**

125 N. Market STE 1000  
Wichita, Ks. 67202

**Tucker "B" GU #7**

Job Ticket: 54132

**DST#: 1**

ATTN: Bill Klaver

Test Start: 2014.08.17 @ 12:30:16

## 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:

3200 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	GCM 2%g 98%m slt oil	0.295
2.00	GCM 2%g 98%m	0.010
0.00	1,074' G.I.P. 100%g	0.000

Total Length: 62.00 ft

Total Volume: 0.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6773

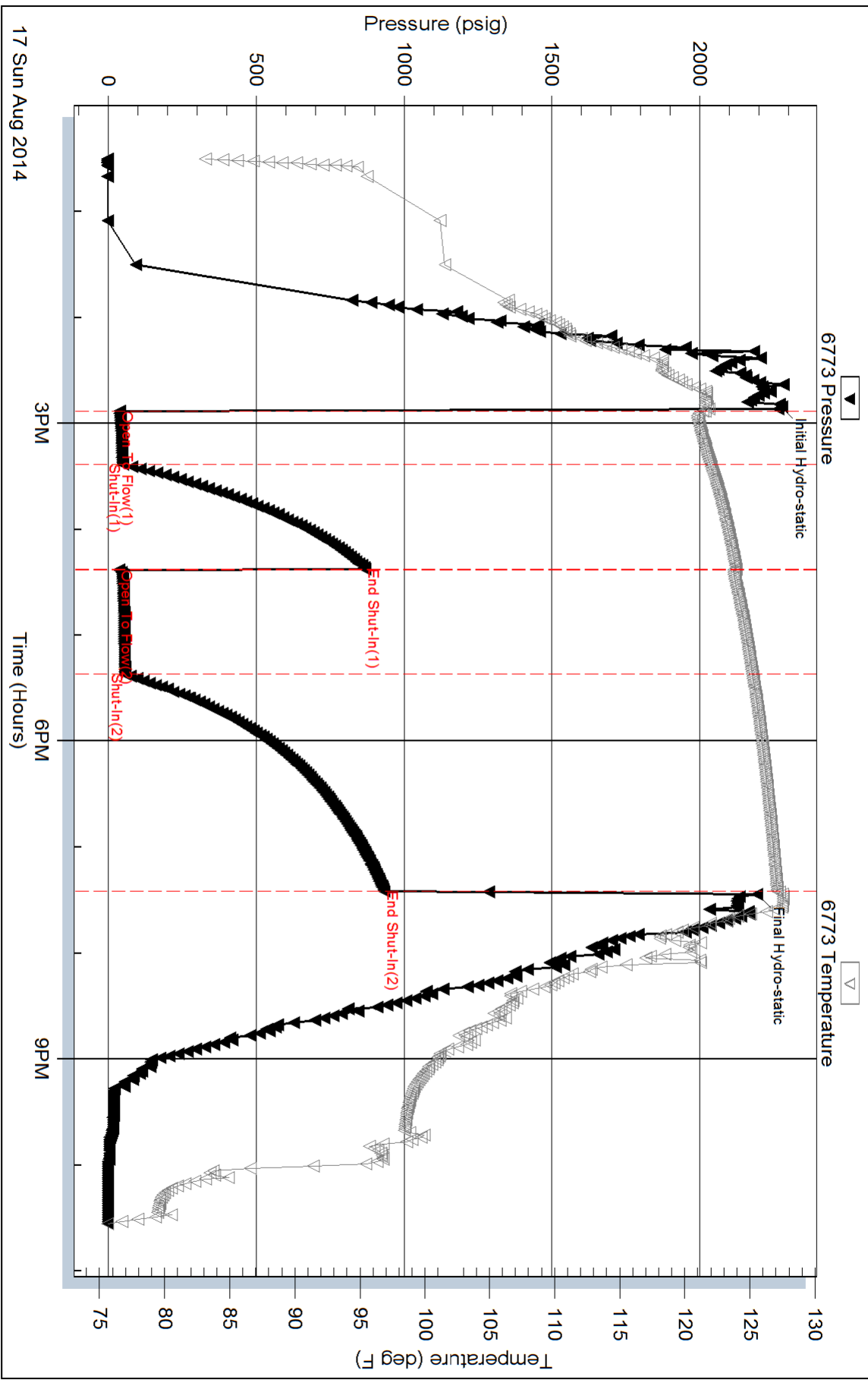
Inside

Woodsey Operating Co., LLC

Tucker "B" GU#7

DST Test Number: 1

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 54132

Printed: 2014.08.17 @ 22:57:07





**Woolsey Operating Company, LLC**

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

Well Name: TUCKER 'B' GU #7  
Location: Section 11 - Township 34 South - Range 11 West  
License Number: 15-007-24207-0000 Region: Barber County, Kansas  
Spud Date: August 11, 2014 Drilling Completed: August 20, 2014  
Surface Coordinates: 990' FSL and 1320' FWL  
N 1/2 S 1/2 SW 1/4  
Bottom Hole  
Coordinates:  
Ground Elevation (ft): 1383' K.B. Elevation (ft): 1395'  
Logged Interval (ft): 4000' To: 5125' Total Depth (ft): 5125'  
Formation: Kansas City ----> Simpson Group  
Type of Drilling Fluid: Chemical Mud

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

**OPERATOR**

Company: Woolsey Operating Company, LLC  
Address: 125 N. Market, Suite 1000  
Wichita, KS 67202

**GEOLOGIST**

Name: Bill Klaver  
Company: Woolsey Operating Co. LLC  
Address: 125 N. Market, Wichita Kansas, 67202

## COMMENTS

Surface Casing: Spud at 3:30 pm on August 11, 2014, ran 5 joints of new 13 3/8" X 48#/ft casing to 235' KB (tally 220'). Cemented with 300 sx Class A, 2% gel, 3% cc. Plug down at 11:15 pm on August 11, 2014. Cement did circulate.

Production Casing: 5 1/2" X 15.5#/ft

Deviation Surveys: 1/2 at 235', 3/4 at 1011', 1/2 at 1519', 1/2 at 2024', 1/2 at 2487', 3/4 at 3036', 1/2 at 3988', 1/2 at 4273', 1/2 at 4644', 1/2 at 5125'.

Pipe Strap @ 4644', Board: 4655.14', Strap: 4653.59', Strap 1.55' short. No correction was made to the board.

Fossil Drilling Rig 3 Bit Record:

- 1) 17 1/2" Smith Tool RR in at 0' out at 234', 3.24 hours.
- 2) 7 7/8" Varel HE-21 in at 235' out at 4644', 91 hours
- 3) 7 7/8" Varel HE-29 RR in at 4644' out at 5125', 28 hours

Gas Detector: Woolsey Operating Co. Gas Shack #2

Mud System: Mud Co. Brad Bortz, Terry Ison, Engineers

DSTs: Trilobite Testing Co. Matt Smith, Tester

E-logs: Nabors Completion and Production Services, Dual Induction Laterolog w/SP, CNL/FDC w/PE, Gamma Ray and Caliper. Jason Cappelloci, Engineer.

## DSTs

DST #1 Mississippian, 4598'-4644', 30"-60"-60"-120". SB BOB in 30 seconds. Rec: 1074' GIP, 62' SGCM (2%Gas, 98% Mud), IHP 2269, IFP 38-49, ISIP 869, FFP 36-56, FSIP 932, FHP 2194. BHT 127 degrees.

## CREWS

Jim Wenrich, Toolpusher (surface time and moving)

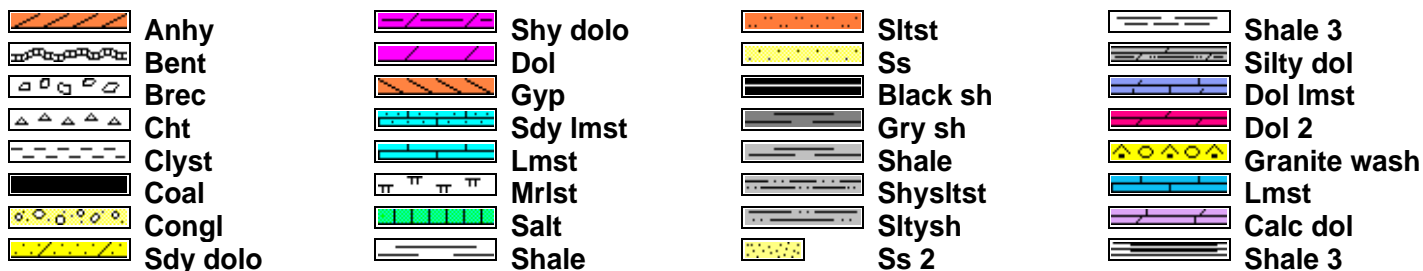
Daniel Orrente, Daylights

Ron Burns, Evening

Jimmie Holt, Morning

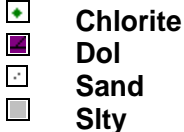
Chris Slatts, Relief

### ROCK TYPES

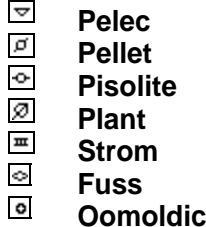
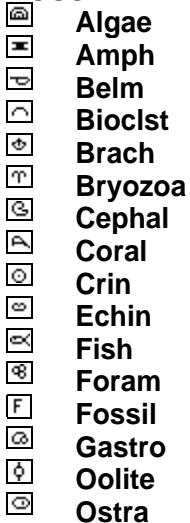


### ACCESSORIES

#### MINERAL



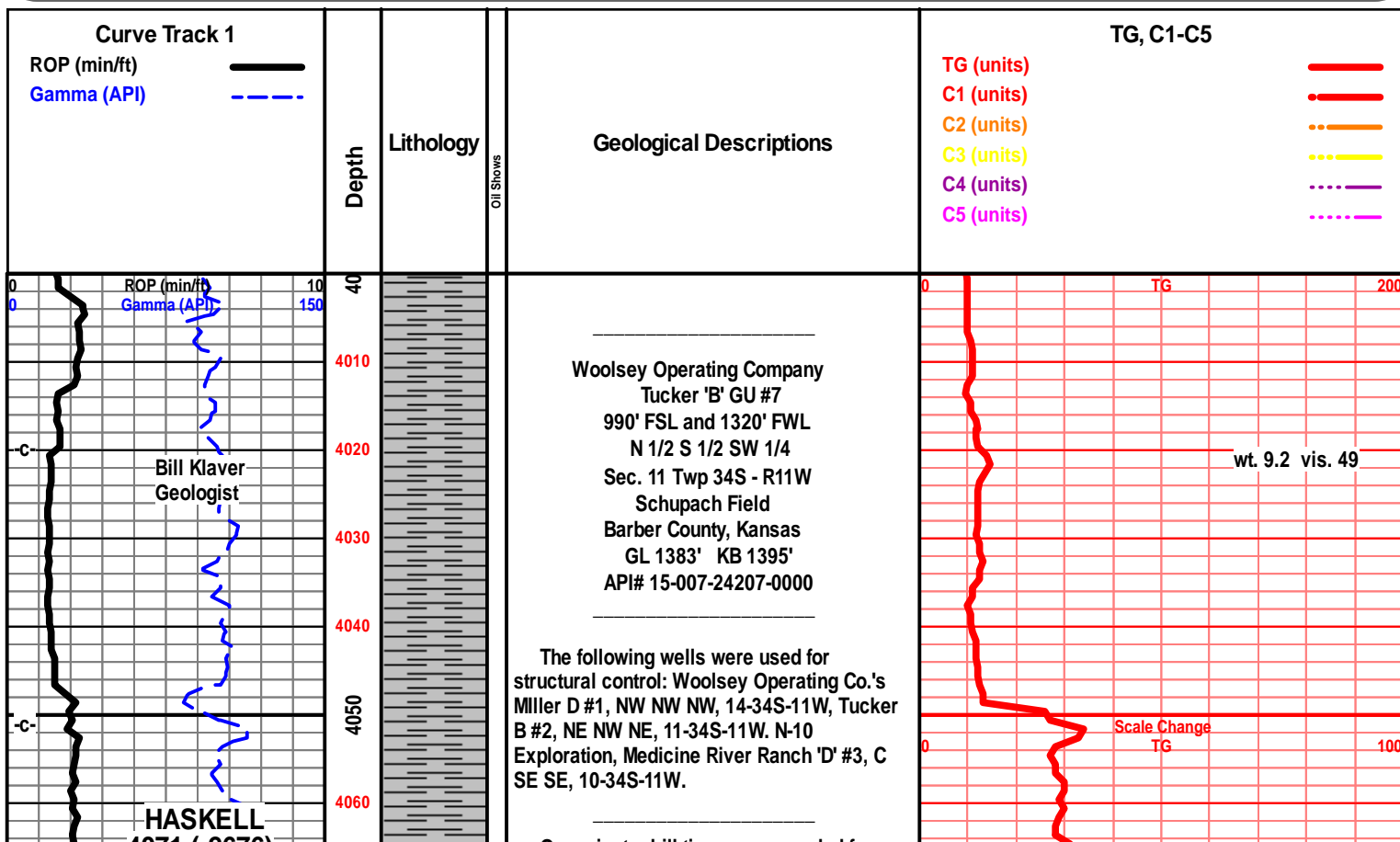
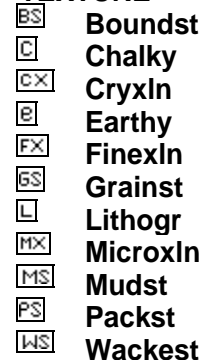
#### FOSSIL



#### STRINGER



#### TEXTURE



One minute drill time was recorded from 4000' to rotary total depth. Ten foot and circulating samples were rough neck gathered from 4300' to rotary total depth and delivered to the Survey at the completion of the test.

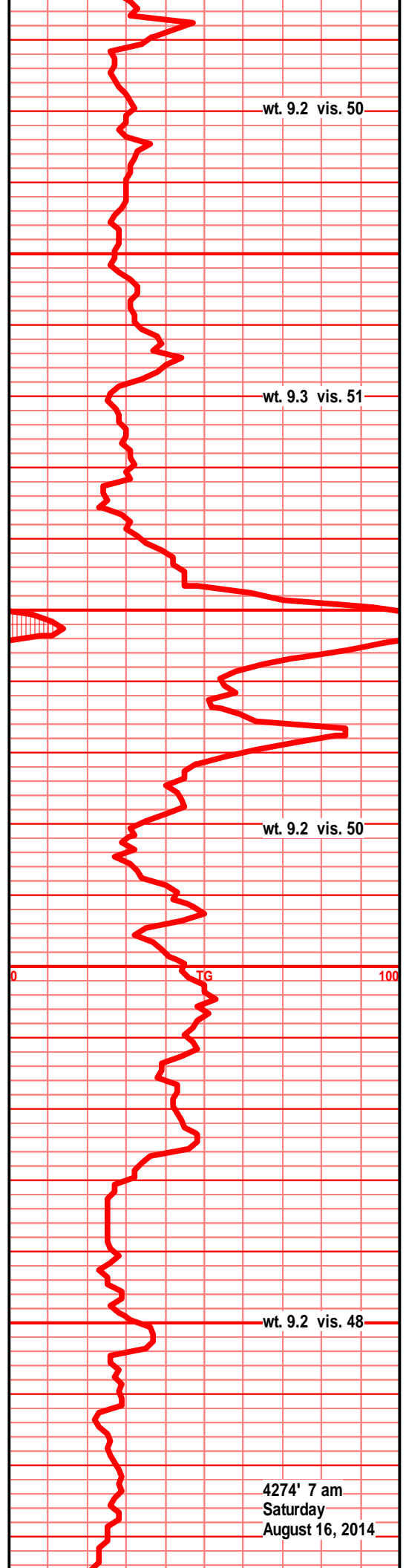
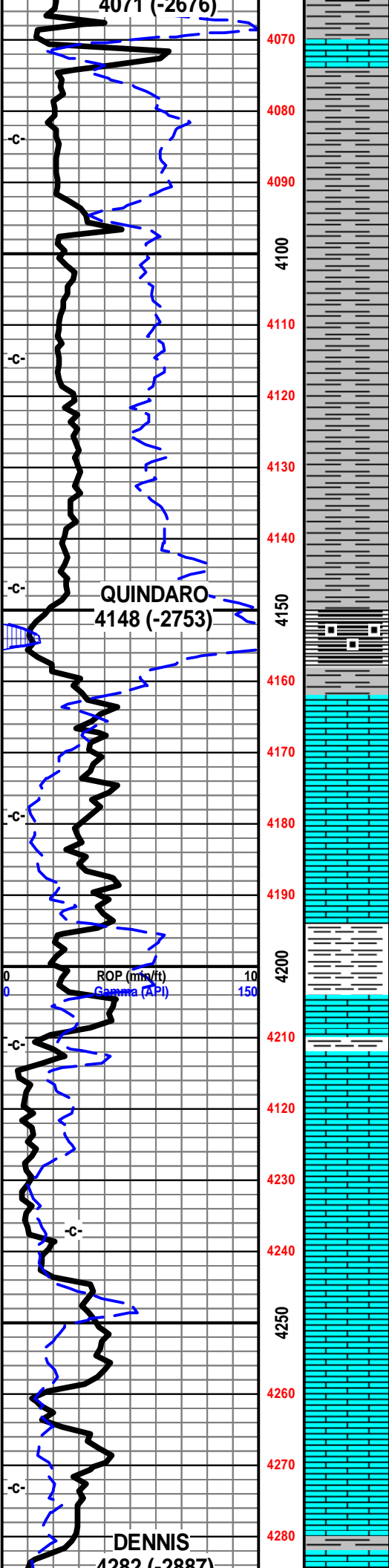
**7am Drilling Progress:**

- August 11, 2014 MIRT/SPUD
- August 12, 2014 WOC, drill plug at 8 am
- August 13, 2014 Drilling at 1830'
- August 14, 2014 Drilling at 2880'
- August 15, 2014 Drilling at 3650'
- August 16, 2014 Drilling at 4274'
- August 17, 2014 CFS 4624' (Miss)
- August 18, 2014 Drilling at 4728'
- August 19, 2014 Drilling at 4998'
- August 20, 2014 E-logs out 7 am

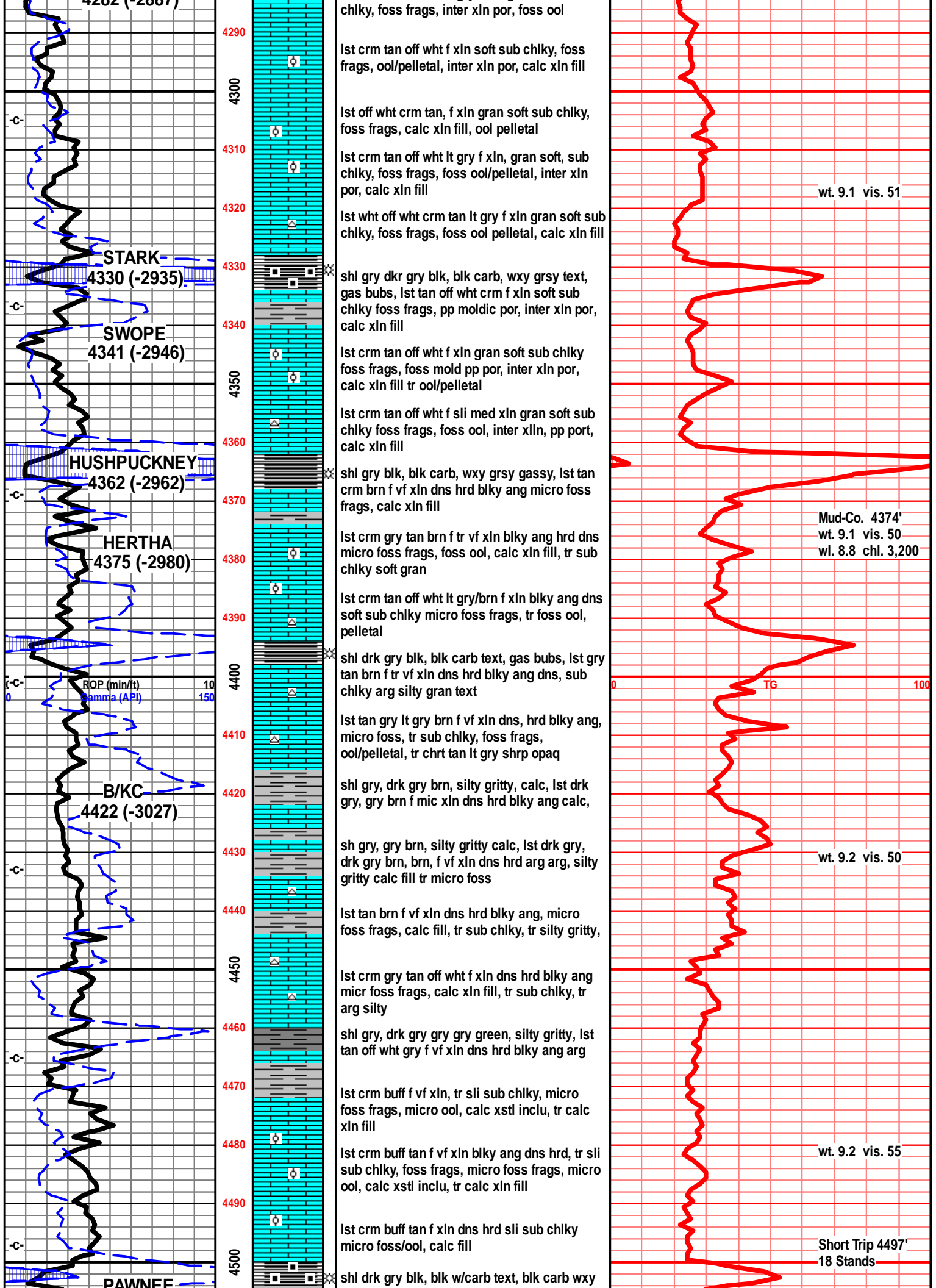
**E-Log Tops:**

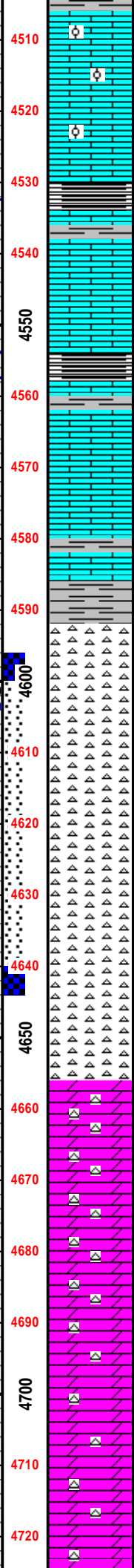
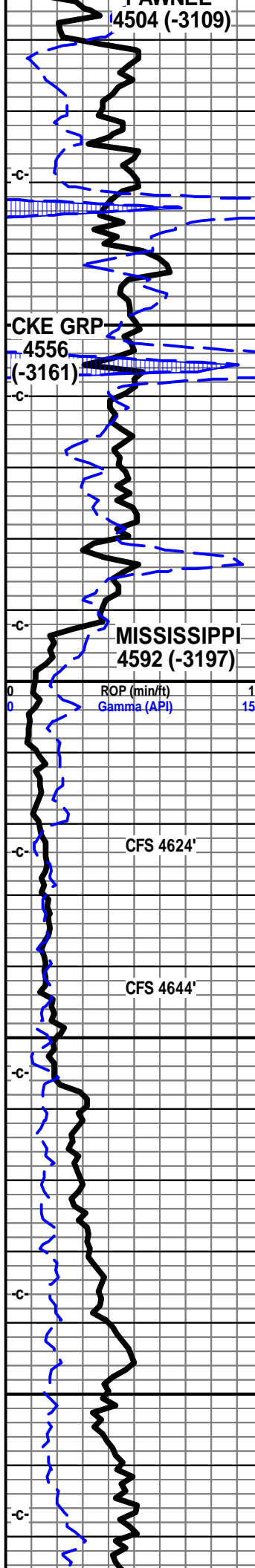
- Herrington 1785 (-390)
- Onaga 2620 (-1225)
- Waubunsee 2667 (-1272)
- LeCompton 3365 (-1970)
- Kanwaka 3449 (-2054)
- Elgin Sand 3499 (-2104)
- Heebner 3647 (-2252)
- Toronto 3659 (-2264)
- Douglas Grp 3686 (-2291)
- Haskell (Brown) Lime 4074 (-2679)
- Quiindaro 4151 (-2756)
- Iola 4207 (-2812)
- Dennis 4285 (-2890)
- Stark 4330 (-2935)
- Swope 4342 (-2947)
- Hushpuckney 4362 (-2967)
- Hertha 4376 (-2981)
- B/Kansas City 4414 (-3019)
- Pawnee 4513 (-3118)
- Cherokee Group 4560 (-3165)
- Mississippi 4600 (-3205)
- C3 4600 (-3205)
- C2A 4623 (-3228)
- C2 4662 (-3267)
- Compton 4775 (-3380)
- Kinderhook 4787 (-3392)
- Woodford 4872 (-3477)
- Viola 4907 (-3512)
- Simpson Group 5013 (-3618)
- Simpson 'D' Sand 5025 (-3630)
- Wilcox 5034 (-3639)
- McLish Shale 5089 (-3694)
- LTD 5128 (-3733)

1st crm tan off wht lt gry f xln gran soft sub



4274' 7 am  
Saturday  
August 16, 2014





grsy blk ang pcs gas bubs

1st buff crm tan f vf xln mstly dns, hrd, sli sub chlky in prt, foss frags, foss ool, packed ool/calc fill in most, NVP, NS

1st buff crm tan f sli vf xln dns blk ang hrd dns, foss frags, micro ool, packed ool/dns calc fill in most, sli chlky in prt NS

shl gry blk, blk carb, 1st buff tan crm vf xln dn shrd blk, ang sli chlky, micro foss, ool, calc xln fill

1st crm tan lt gry f vf xln dns hrd blk, micro foss frags, mstly dns

1st crm tan lt gry f vf xln dns hrd blk ang pcs, tr sub chlky, foss frags, micro foss frags, tr chrt dull tan shrp frsh

shl gry blk, blk carb, wxy grsy, 1st crm dull tan f vf xln dns hrd ang pcs, sli sub chlky, micro foss frags,

1st crm tan dull tan, f vf xln dns hrd blk ang, arg shly text, silty gritty, sub chlky soft in prt, micro foss frags,

1st tan mstly gry f vf xln gran soft silty sub chlky, tr foss frags, clay fill, shl gry green silty gritty gran text,

chrt crm wht shrp frsh sub opa, blk ang dull pcs, w/tan brn stained sli weath edges, pp sli moldic por, chrt tan brn mott, weath gran sli trip text, sli spongy text, pp moldic, vug por, tan brn stain, gas bubs, SFO, fair/gd odor, dull UV

chrt wht off wht shrp frsh sub opa w/tan brn stained sli weath edge, chrt wht tan brn mott, weath gran trip text, sli spongy text, pp, moldic, vug por, tan brn stain, tr hvy blk stain, SFO, gas bubs fair/gd odor

chrt aa bec sli frsher, chrt wht wht/tan shrp frsh sub opa with tan brn, tr blk stained sli weath edges, pp sli mold por, tan brn stain, gas SSFO, chrt wht tan brn mott, tr blk, weath gran sli spongy trip text, pp moldic vug por, fair/dg odor, bleeding oil, gas bubs, some blk hvy grsy stain, dull UV

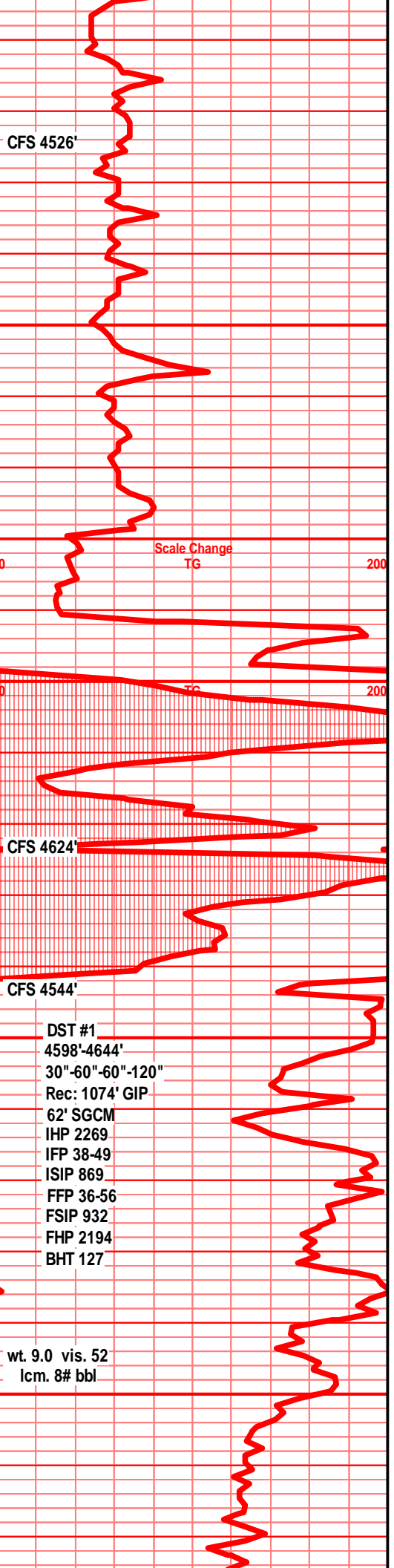
chrt wht off wht shrp frsh sub opa, blk ang pcs, w/tan brn weath text stained edges, pp moldic por SFO, gas bubs, odor

chrt dolo lt gry crm f vf xln tr sub chlky, tr glau, with wht lt blue gry chrt inclu, weath gran sli trip text edge, brn stain, pp moldic por along weath chrt edge, tan brn stain along chrt/dolo contact, SFO, stain, tr gas bubs, odor

dolo crm tan lt gry/green tint, f vf xln blk ang hrd, sndy text, tr glau, chrt inclu, wht off wht lt blue/gry, shrp frsh with weath gran sli trip edges, stain SSFO/gas bubs along weath text edge, stain SSFO along chrt/dolo contact

dolo crm tan lt gry, f vf xln blk ang dns, gran sndy text, tr glau, tr sub chlky text, tr inter xln por, mstly dns/tite, brn stain, SFO/gas bubs on brk, chrt aa

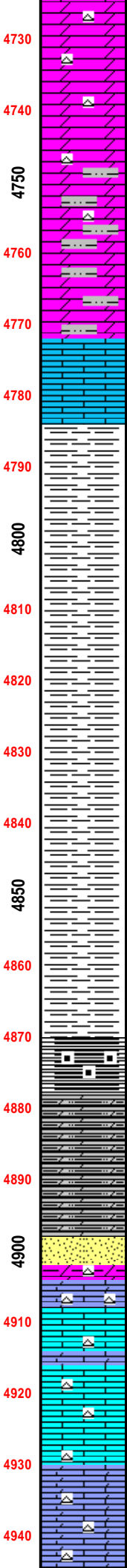
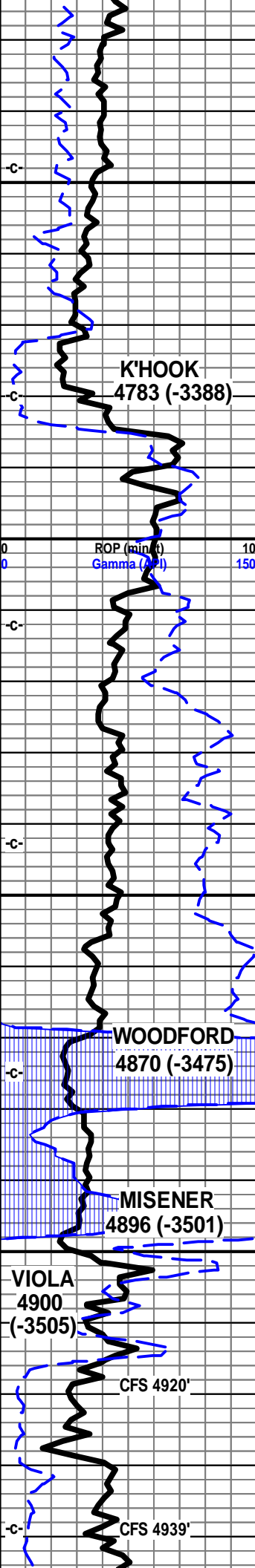
dolo aa, dolo bec drkr, drk tan drk gry tan, tr lt brn, f vf xln dns hrd, sli sub chlky, gran sli sndy text, snd grn inclu, tr glau, tr stain, chrt inclu, lt gry off wht shrp frsh opa, tr weath edge, tr stain



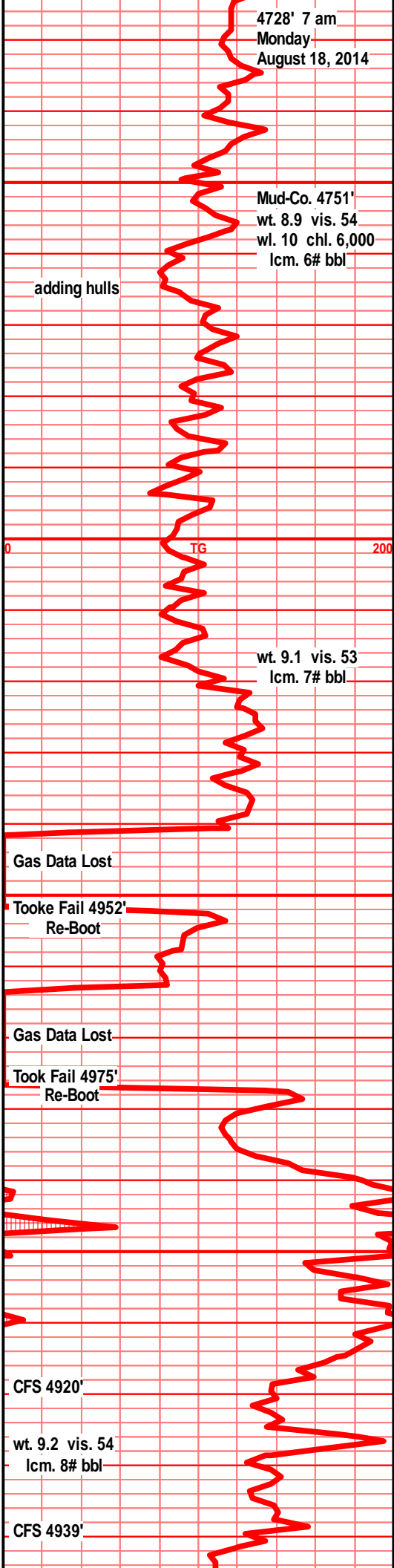
DST #1  
4598'-4644'  
30"-60"-60"-120"  
Rec: 1074' GIP  
62' SGCM  
IHP 2269  
IFP 38-49  
ISIP 869  
FFP 36-56  
FSIP 932  
FHP 2194  
BHT 127

wt. 9.0 vis. 52  
lcm. 8# bbl

4728' 7 am  
Monday  
August 18, 2014



hrd blk tan drk gry tan, drk gry, f vt xln dns  
dolo, silty calc dolo, drk tan, drk tan gry, f vf  
dolo calc dolo, med/drk gry f vf xln dns hrd  
dolo calc dolo, med/ddrk gry f vf xln gran silty  
aa, lst dull tan buff f mic xln dns hrd blk,  
shl drk gry, drk gry blk, platy tr silty, tr  
shl drk gry, drk gry/brn, silty gritty, fnly silty,  
shl drk gry, med/drk gry tr blk, silty, gritty,  
shl med/drk gry, fnly silty, gritty, bedded, gas  
shl drk gry, gry/blk, silty gritty in prt, ratty  
shl drk gry, drk gry/blk, blk, fnly silty, gritty,  
shl gry drk gry blk, blk, silty gritty ratty,  
shl, dolo calc shl in prt, blk, blk reddish brn in  
silty dolo, drk gry blk, reddish brn, fnly  
silty/calc, gritty, vf snd grn inclu, tr gas bubs,  
silty sli calc dolo shl, drk gry blk, reddish brn  
sst off wht/lt gry, lt gry clstrs, f grnd, sub  
ang/sub rded grns, fair to slli fnly poorly srtd,  
chrt tan brn shrp frsh frac, crmbly, foss,  
lst crm wht, wht lt gry mott f med xln, blk  
ang, crsly calc in prt, inter xln por, mstly  
lst, dolo in prt, tan lt brn f vf xln dns hrd blk  
ang dns, gran sndy text, chrty, chrt dull tan  
brn shrp frsh sub opa



Mud-Co. 4751'  
wt. 8.9 vis. 54  
wl. 10 chl. 6,000  
lcm. 6# bbl

wt. 9.1 vis. 53  
lcm. 7# bbl

Gas Data Lost

Tooke Fail 4952'  
Re-Boot

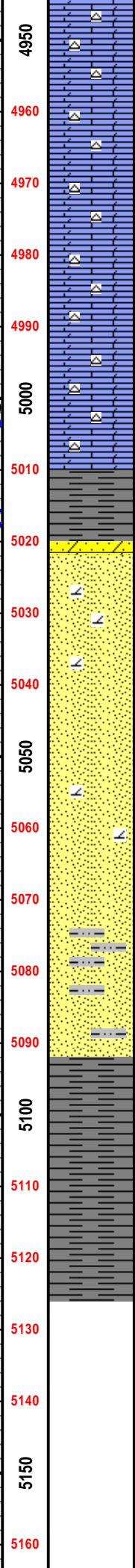
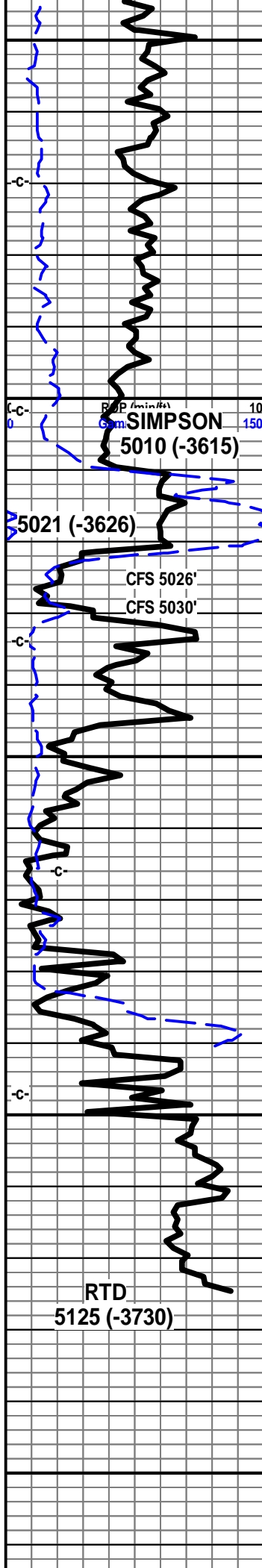
Gas Data Lost

Took Fail 4975'  
Re-Boot

CFS 4920'

wt. 9.2 vis. 54  
lcm. 8# bbl

CFS 4939'



4950 lst, dolo in prt, crm tan brn, f mic xln dns hrd blk ang, tr sub chlky, gran sndy text, chrt dull tan brn shrp frsh sub opa

4960 dolo, lst, tan gry brn brn, f mic xln dns hrd blk ang sub chlky pcs, gran sub sndy text, sli crs suc text in prt, chrty, chrt dull tan brn shrp frsh sub opa

4970 lst/dolo tan, drk tan tr brn f mic xln gran gritty, sli sndy sub suc text in prt, tr sub chlky, chrty, chrt dull tan brn shrp frsh sub opa

4980 dolo, lst, tan drk tan brn f mic xln, gran gritty, sli sndy text, sub suc, sli chlky in prt, micro foss frags, chrty, chrt dull tan brn shrp frsh sub opa

4990 dolo/lst in prt, tan drk brn f mic xln dns hrd blk pcs, gran sli sndy suc text, tr sub chlky, much chrt tan dull brn shrp frsh sub opa

5000 shl drk gry/green, blue gry teal green, wxy grsy text, tr w/snd grn inclu, pyritic

5010 sst off wht vry lt gry tint clstrs, f grnd, sub rded, w/srtd, well cem to sub fria, tr pyritic fill, tr inter gran por, silic cem, brn stain, lt transl SFO/gd gas bubs on brk, tr green clay fill, tr pyritic ppt

5020 sst lt gry mstly off wht clr clstrs, f grnd, sub ang, tr rded, fair to w/srtd, poorly cem, silic cem, mstly fria, inter gran por, tr gilson stain, tr gas bubs, nsfo, nodor

5030 sst sli wht mstly clr clstrs, f grnd, sub rded to rded grns, fair to well srtd, poorly cem, silic cem, inter gran por, gilsonitic stain, dead SO, tr gas bubs, nsfo, nodor, abun loose rded, frsted, w/rded snd grns in spl tray

5040 sst tan, off wht, lt brn clstrs, f grnd, sub ang, tr sub rded, w/srtd, poorly cem, tr calc cem, sub fria to fria/soft, fair inter gran por, blk flky gilson stain, tr clay fill, abun loose rded clr tr frosted snd grns in bottom of spl tray

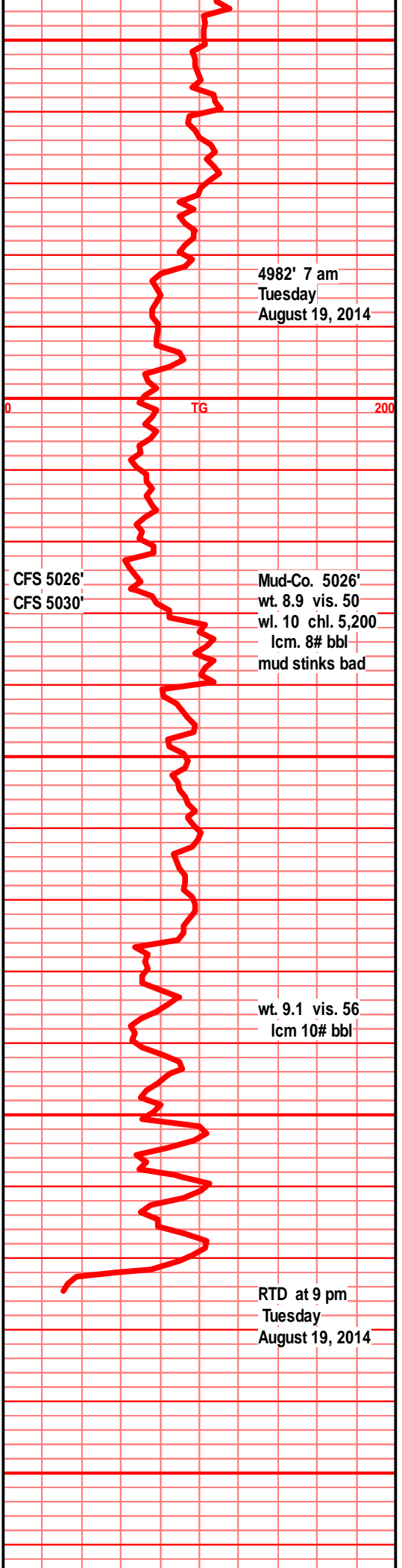
5050 sst crm tan clstrs f grnd, rded grns, tr sub rded, vry well srtd, poorly cem, silic tr calc cem, sott sub fria clstrs, inter gran por, tr gilson stain, abun loose snd grns in spl tray

5060 shl gry drk gry green, slick, wxy grsy text, snd grn inclu, pyritic

5070 shl gry dkr gry green teal green, fnly silty, grsy wxy text, pyritic

5080 shl gry drk gry green, teal green, fnly silty, snd grn inclu, pyritic

5090 shl aa







Conservation Division  
266 N. Main St., Ste. 220  
Wichita, KS 67202-1513



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Shari Feist Albrecht, Chair  
Jay Scott Emler, Commissioner  
Pat Apple, Commissioner

Sam Brownback, Governor

December 11, 2014

DEAN PATTISSON  
Woolsey Operating Company, LLC  
125 N MARKET STE 1000  
WICHITA, KS 67202-1729

Re: ACO-1  
API 15-007-24207-00-00  
TUCKER B GU 7  
SW/4 Sec.11-34S-11W  
Barber County, Kansas

Dear DEAN PATTISSON:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 08/11/2014 and the ACO-1 was received on December 10, 2014 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department