

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1252942
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: _____

1252942

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

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

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 916

Date	2-2-15	Sec.	19	Twp.	9	Range	29	County	Sheridan	State	KS	On Location		Finish	6:15 PM
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Location Grinnell 10 1/2 N 1 1/4 E S into

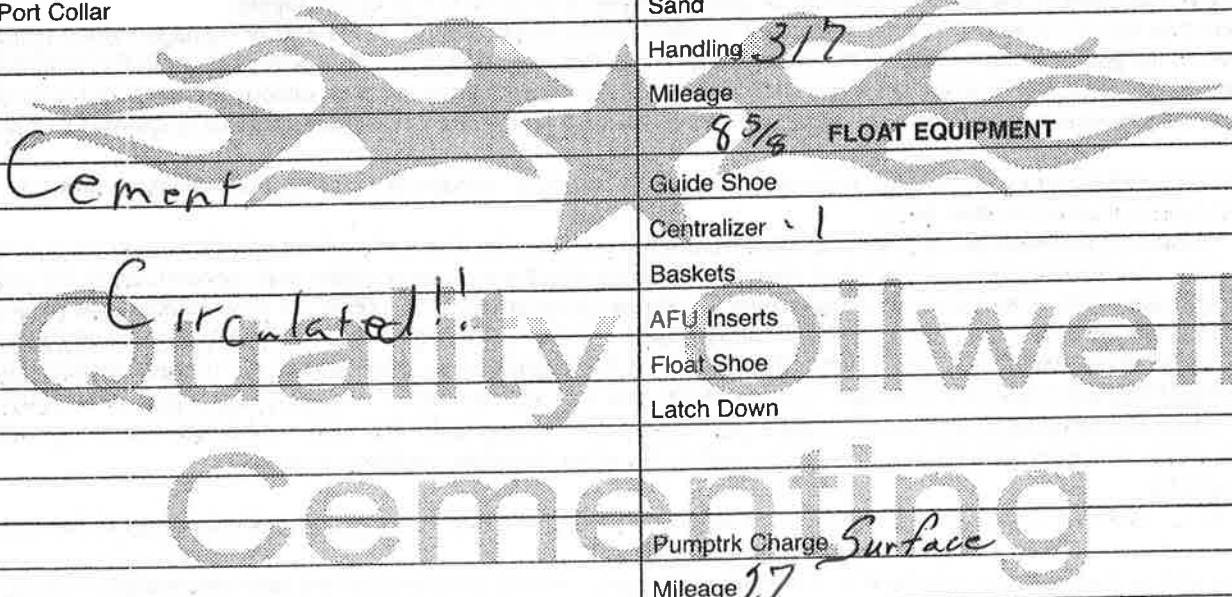
Lease	<u>Wigginton</u>	Well No.	<u>1-19</u>	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	<u>Discovery #4</u>			Charge To	<u>Sam Gary Jr</u>
Type Job	<u>Surface</u>			Street	
Hole Size	<u>12 1/4</u>	T.D.	<u>344'</u>	City	State
Csg.	<u>8 5/8</u>	Depth	<u>344'</u>	The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size		Depth		Cement Amount Ordered <u>225 com 3%acc 2% Gel</u>	
Tool		Depth		Meas Line Displace <u>20 1/2 bbl</u> <u>took 300 sk used 225 300</u> <u>1/2 lb</u>	
Cement Left in Csg.	<u>20'</u>	Shoe Joint		Common <u>300</u>	

EQUIPMENT

Pumptrk	<u>5</u>	No.	Cementer	<u>David</u>	Poz. Mix
Bulktrk	<u>19</u>	No.	Helper		Gel. <u>6</u>
Bulktrk	<u>pu</u>	No.	Driver	<u>Ryan</u>	Calcium <u>11</u>
			Driver	<u>Brett</u>	

JOB SERVICES & REMARKS

Remarks:	
Rat Hole	Flowseal <u>150#</u>
Mouse Hole	Kol-Seal
Centralizers	Mud CLR 48
Baskets	CFL-117 or CD110 CAF 38
D/V or Port Collar	Sand
	Handling <u>317</u>
	Mileage <u>8 5/8</u>
	FLOAT EQUIPMENT
	Guide Shoe
	Centralizer <u>1</u>
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down



Cement
Circulated!!

Pumptrk Charge Surface
Mileage 27

X Signature Mike Joseph

Tax
Discount
Total Charge

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6325

Date <u>2-10-15</u>	Sec. <u>19</u>	Twp. <u>9</u>	Range <u>29</u>	County <u>Sheridan</u>	State <u>KS</u>	On Location	Finish <u>5:30pm</u>
				Location <u>Grinnel N10 1 1/2 E Sinto</u>			

Lease <u>Wigginton et al</u>	Well No. <u>1-9</u>	Owner
Contractor <u>Discovery</u>	<u>4</u>	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job <u>Plug</u>		Charge To <u>Sam Gary Jr & Associates</u>
Hole Size <u>7 7/8</u>	T.D. <u>4480</u>	Street
Csg.	Depth	City
Tbg. Size <u>D.P. 4 1/2</u>	Depth <u>2475</u>	State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered <u>255 6 3/4 4% gel 1/4 # flow</u>

Meas Line	Displace <u>Mud/water</u>	Common <u>153</u>
EQUIPMENT		Poz. Mix <u>102</u>
Pumptrk <u>20</u>	No. Cementer	Gel. <u>9</u>
	Helper	Calcium
Bulktrk <u>14</u>	No. Driver	Hulls
	Driver	Salt
Bulktrk <u>21</u>	No. Driver	Flowseal <u>56 #</u>
	Driver	Kol-Seal

JOB SERVICES & REMARKS		Mileage
Remarks:		
Rat Hole <u>30 sk</u>		
Mouse Hole <u>15 sk</u>		
Centralizers		
Baskets		
D/V or Port Collar		
<u>1st 2475' 50 sk</u>		
<u>2nd 1590' 100 sk</u>		
<u>3rd 400' 50 sk</u>		
<u>4th 40' 10 sk</u>		

		FLOAT EQUIPMENT
		Guide Shoe
		Centralizer
		Baskets
		AFU Inserts
		Float Shoe
		Latch Down
		Pumptrk Charge <u>plug</u>
		Mileage <u>27</u>
		Tax
		Discount
		Total Charge
Signature <u>[Signature]</u>		



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

19-9S-29W Sheridan,KS

1515 Wynkoop, Ste 700
Denver, CO 80202

Wigginton et al 1-19

ATTN: Chris Mitchell

Job Ticket: 61156

DST#: 1

Test Start: 2015.02.08 @ 09:35:13

GENERAL INFORMATION:

Formation: **KC "I&J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:19:13

Time Test Ended: 18:04:13

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 4086.00 ft (KB) To 4132.00 ft (KB) (TVD)

Reference Elevations: 2847.00 ft (KB)

Total Depth: 4132.00 ft (KB) (TVD)

2839.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8651

Inside

Press@RunDepth: 29.17 psig @ 4087.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.02.08

End Date:

2015.02.08

Last Calib.:

2015.02.08

Start Time: 09:35:14

End Time:

18:04:13

Time On Btm:

2015.02.08 @ 13:16:13

Time Off Btm:

2015.02.08 @ 16:19:43

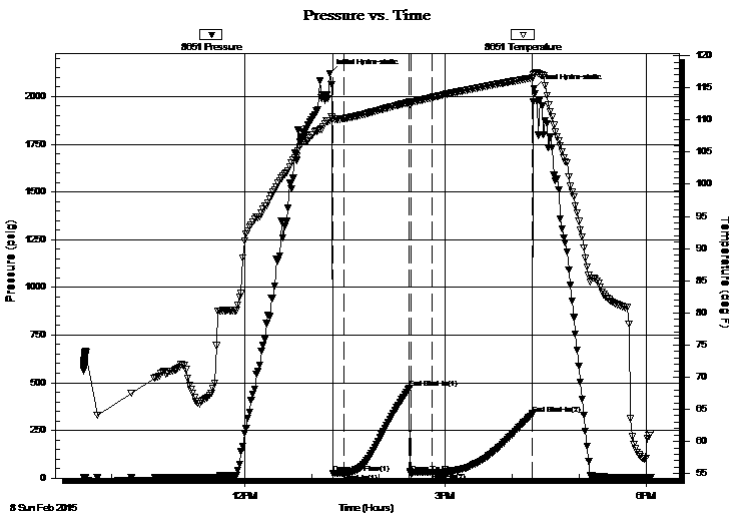
TEST COMMENT: 10- IF- Built very slow ly to .25"

60- IS- No blow

20- FF- No blow

90- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2121.77	109.85	Initial Hydro-static
3	26.23	110.16	Open To Flow (1)
13	26.24	110.22	Shut-In(1)
72	471.62	112.76	End Shut-In(1)
73	25.65	112.72	Open To Flow (2)
92	29.17	113.49	Shut-In(2)
182	337.42	116.54	End Shut-In(2)
184	2040.47	117.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates, Inc.

19-9S-29W Sheridan,KS

1515 Wynkoop, Ste 700
Denver, CO 80202

Wigginton et al 1-19

Job Ticket: 61156

DST#: 1

ATTN: Chris Mitchell

Test Start: 2015.02.08 @ 09:35:13

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: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

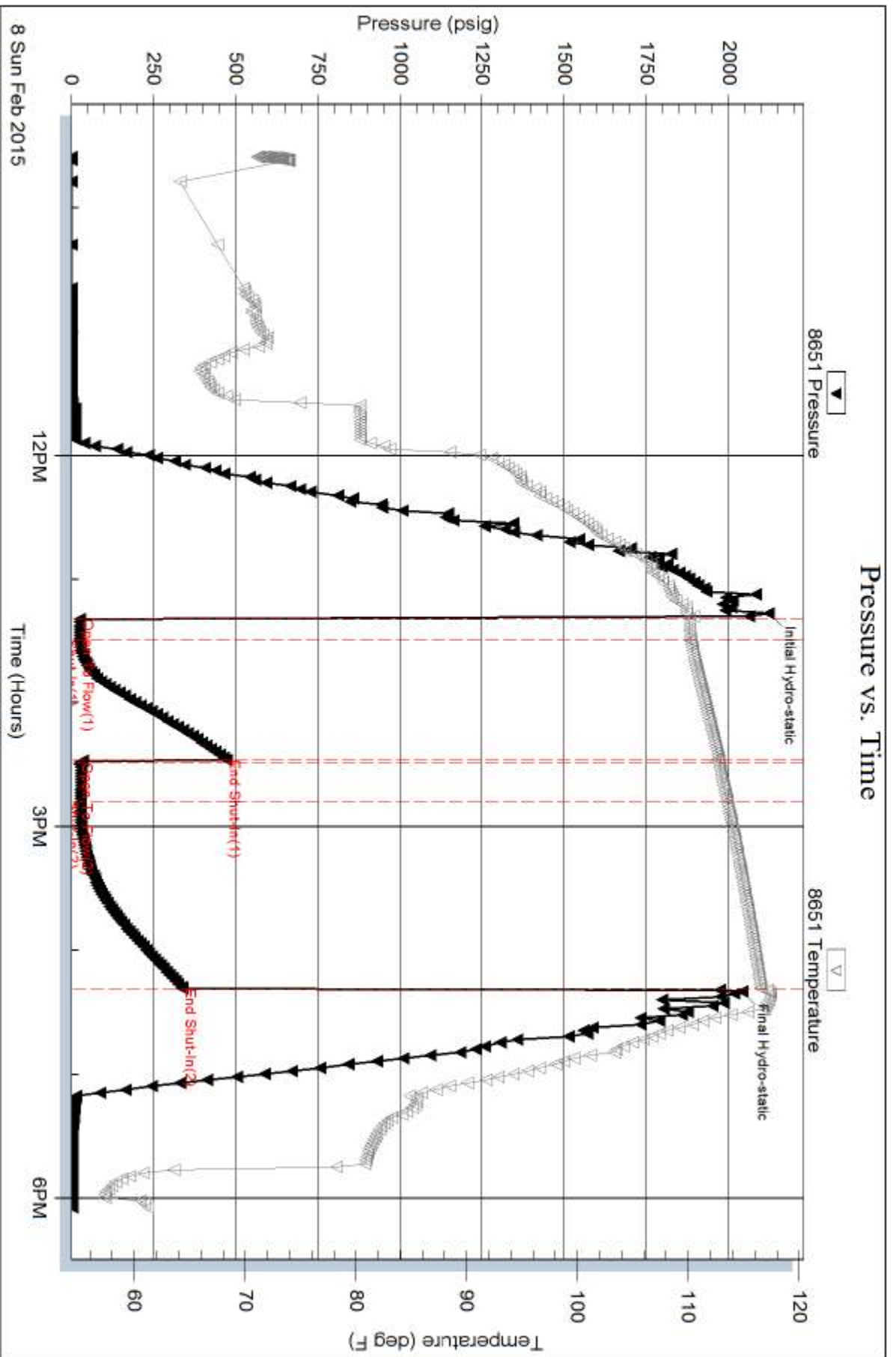
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 2000mL M @ 55PSI



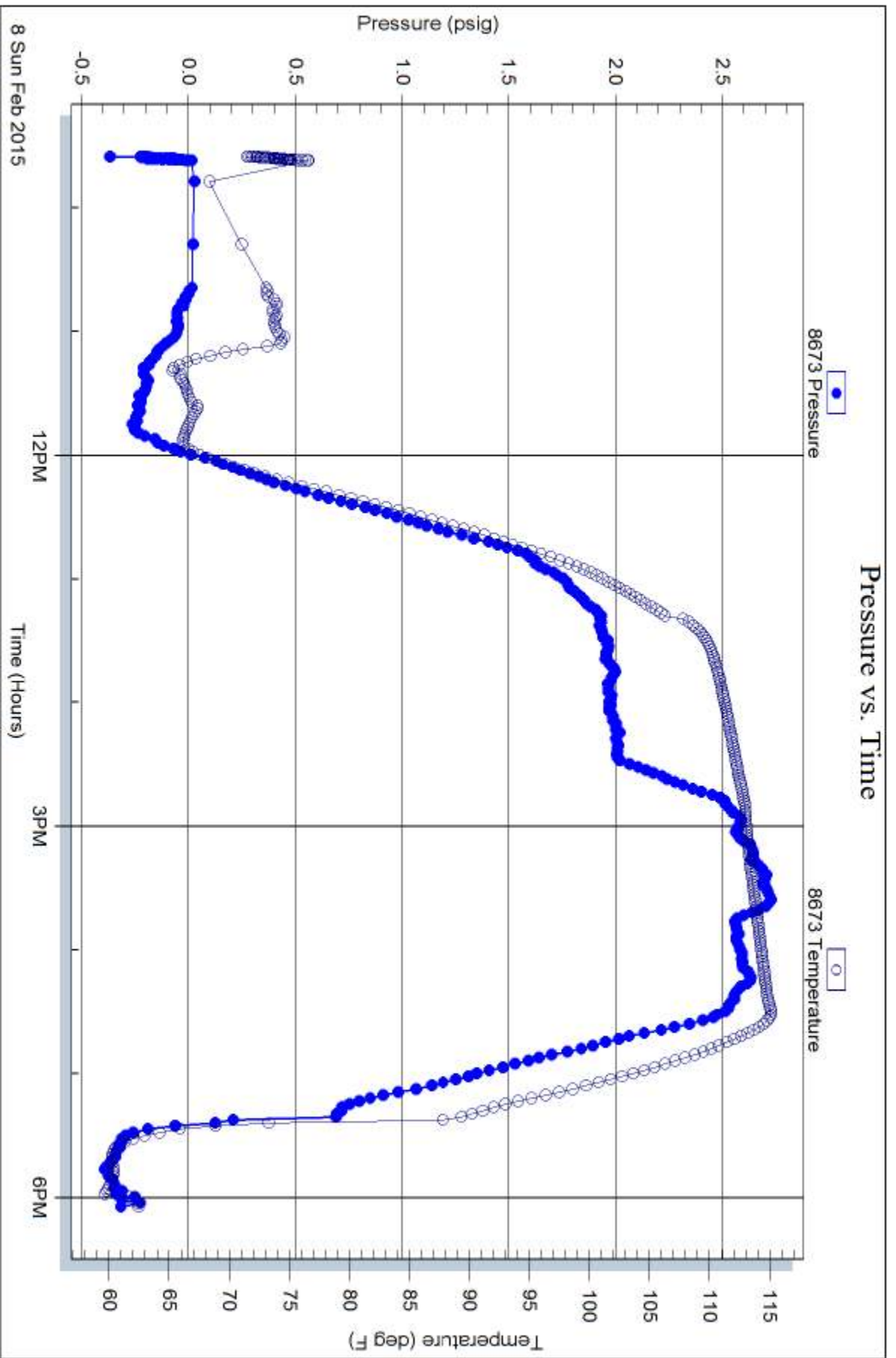
Serial #: 8673

Fluid

Samuel Gary Jr. & Associates, Inc.

Wiginton et al 1-19

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 61156

Printed: 2015.02.09 @ 08:26:23



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

Well Name: SGA Wigginton et al 1-19
Well Id:
Location: Sec. 19 T9S R29W
License Number: 15-179-21394
Spud Date: Feb 2, 2015
Surface Coordinates: 2500' FNL 1700' FWL
Region: Wildcat
Drilling Completed: Feb. 10, 2015

Bottom Hole
Coordinates:
Ground Elevation (ft): 2839' K.B. Elevation (ft): 2847'
Logged Interval (ft): 3850' To: 4480' Total Depth (ft): 4480'
Formation: Lansing / Kansas City
Type of Drilling Fluid: Natural Chemical

Printed by WellSight Log Manager from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Samuel Gary Jr. & Assoc.
Address: 1515 Winkoop Street, Suite 700
Denver CO, 80202
Geo: Chris Mitchell

GEOLOGIST

Name: Jeff Kamps
Company: EARTH TECH OGL, Inc.
Address: PO Box 683
Hooker, Okla 73945
1-580-652-3924
8918 5Th St
Great Bend, Ks. 67530
1-888-543-8378



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

19-9S-29W Sheridan, KS

1515 Wynkoop, Ste 700
Denver, CO 80202

Wigginton et al 1-19

Job Ticket: 61156

DST#: 1

ATTN: Chris Mitchell

Test Start: 2015.02.08 @ 09:35:13

GENERAL INFORMATION:

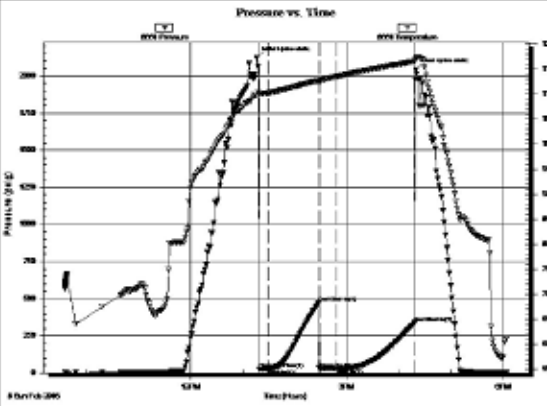
Formation: **KC "I&J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:19:13
 Time Test Ended: 18:04:13
 Interval: **4086.00 ft (KB) To 4132.00 ft (KB) (TVD)**
 Total Depth: **4132.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan Lonsdale
 Unit No: 62
 Reference Elevations: 2847.00 ft (KB)
 2839.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8651

Inside

Press@RunDepth: 29.17 psig @ 4087.00 ft (KB)
 Start Date: 2015.02.08 End Date: 2015.02.08
 Start Time: 09:35:14 End Time: 18:04:13
 Capacity: 8000.00 psig
 Last Callb.: 2015.02.08
 Time On Btm: 2015.02.08 @ 13:16:13
 Time Off Btm: 2015.02.08 @ 16:19:43

TEST COMMENT: 10- IF- Built very slowly to .25"
 60- IS- No blow
 20- FF- No blow
 90- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2121.77	109.85	Initial Hydro-static
3	26.23	110.16	Open To Flow (1)
13	26.24	110.22	Shut-in(1)
72	471.62	112.76	End Shut-in(1)
73	25.65	112.72	Open To Flow (2)
92	29.17	113.49	Shut-in(2)
182	337.42	116.54	End Shut-in(2)
184	2040.47	117.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M	0.02

Gas Rates

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

ROCK TYPES

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Congl
- Dol

- Gyp
- Igne
- Lmst
- Meta
- Mrlst
- Salt
- Shale
- Shcol

- Shgy
- Sltst
- Ss
- Till
- Carb sh
- Dol
- Dtd
- Gry sh

- Sandylms
- Shale
- Sltstn
- Shlyslts
- Sltyslts
- Lms

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Sltly

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram

- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh

- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang

- Angular

OIL SHOWS

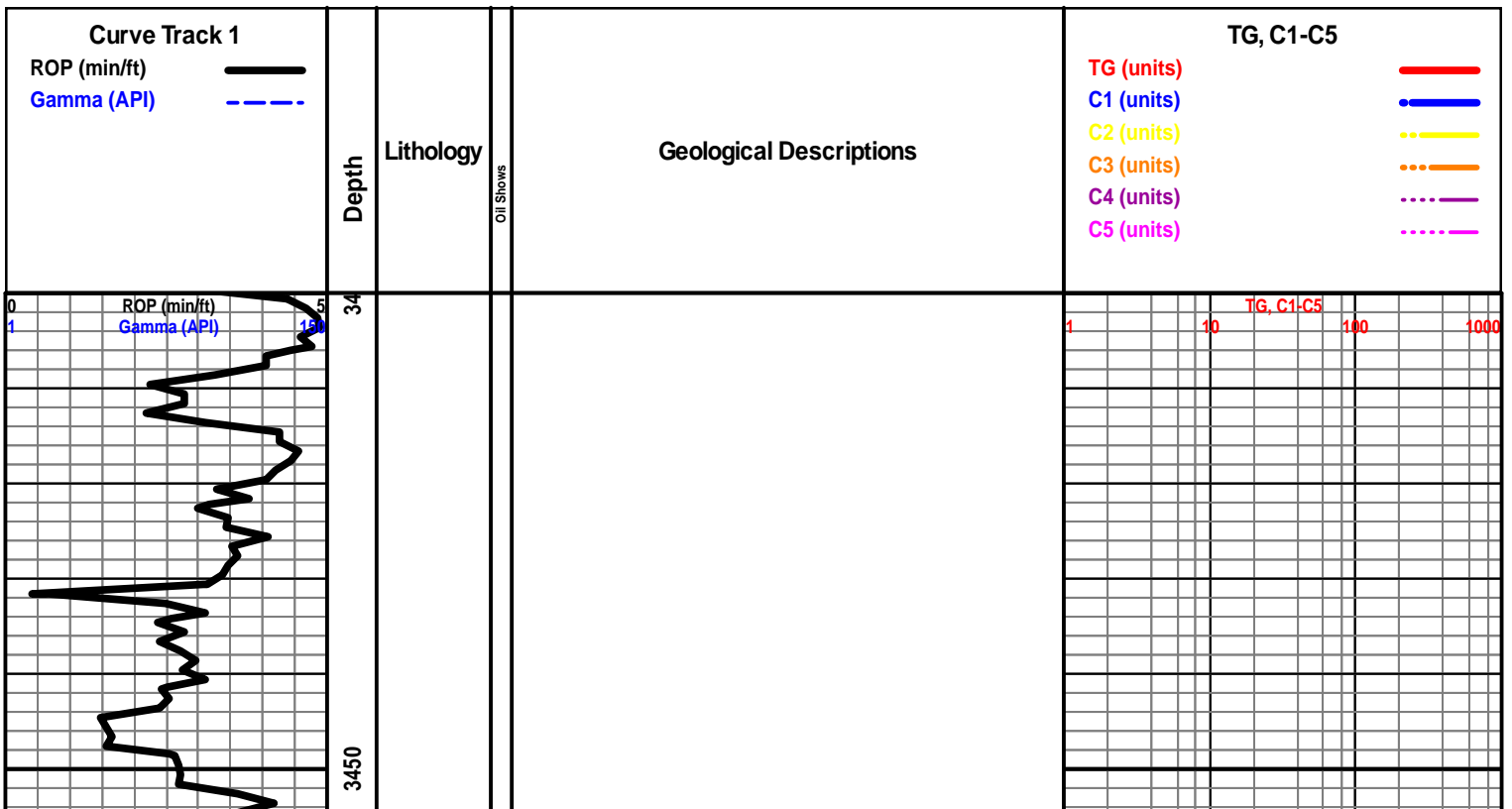
- Even
- Spotted
- Ques
- Dead
- Gas show

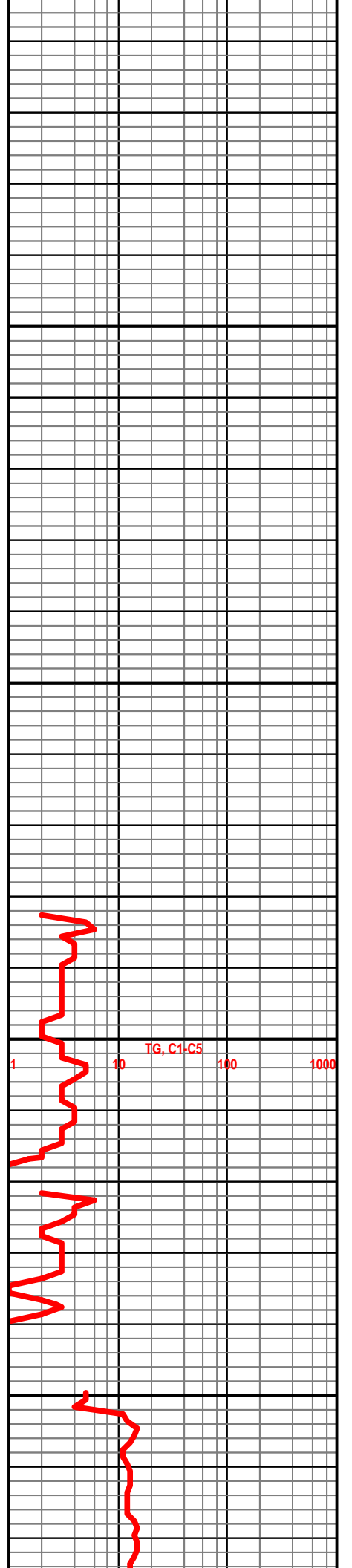
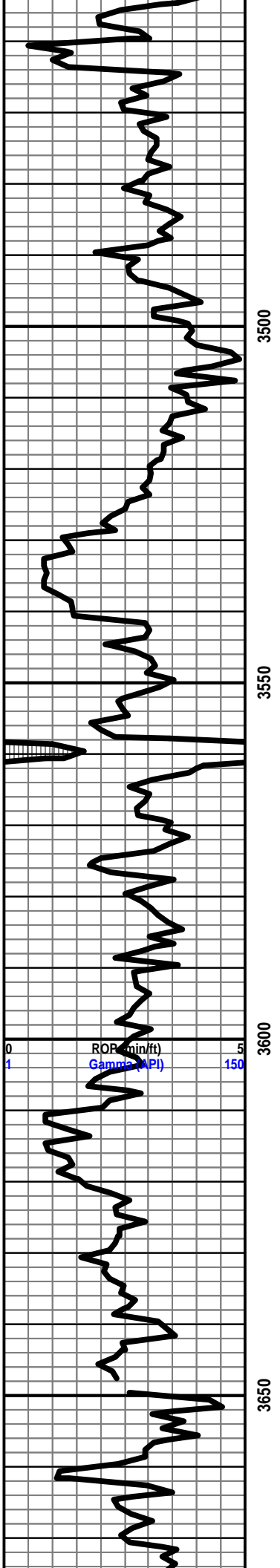
INTERVALS

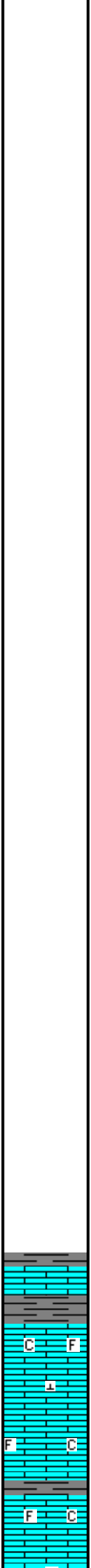
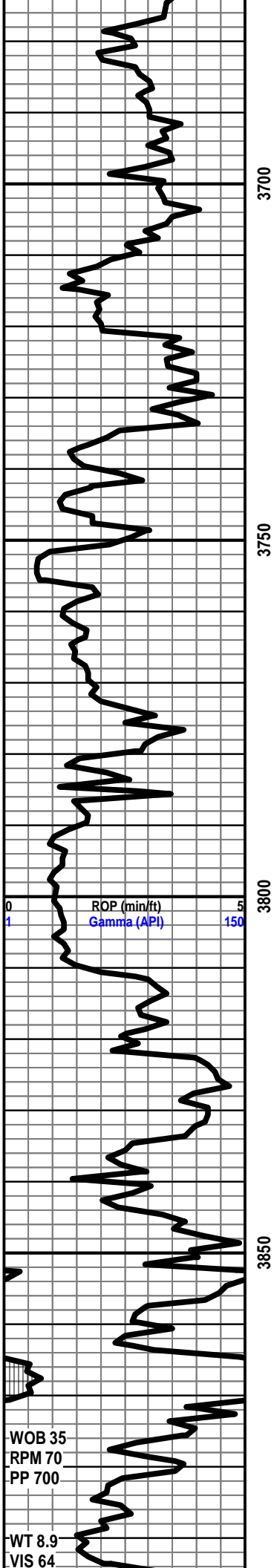
- Core
- Dst
- Dst

EVENTS

- Rft
- Sidewall







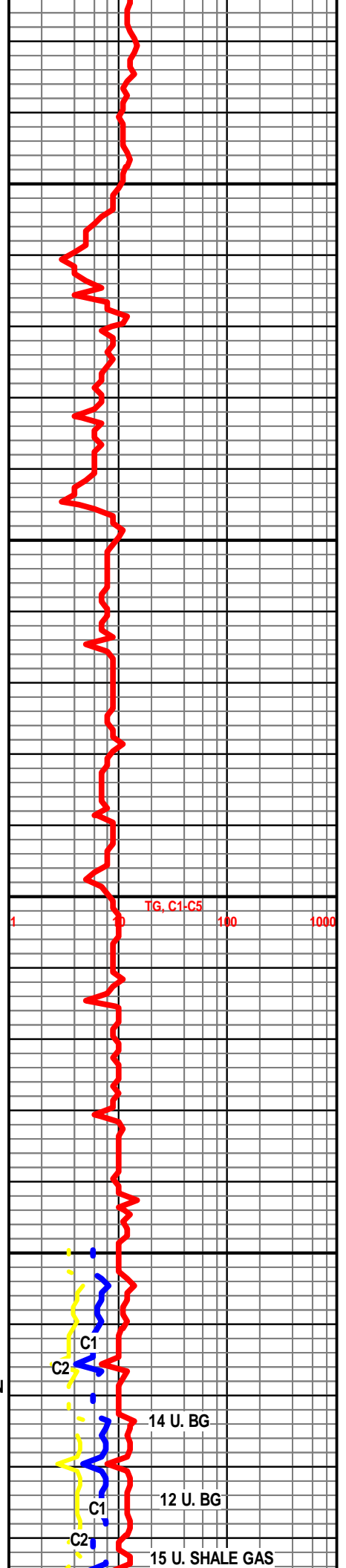
WOB 35
RPM 70
PP 700
WT 8.9
VIS 64

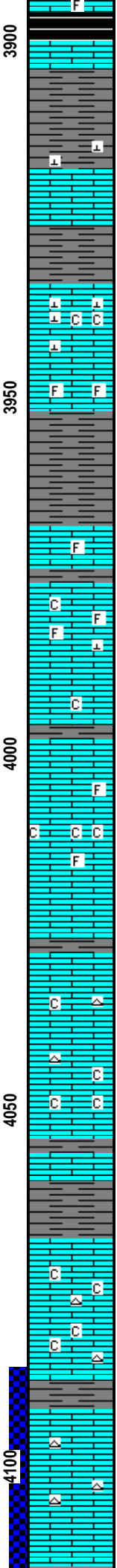
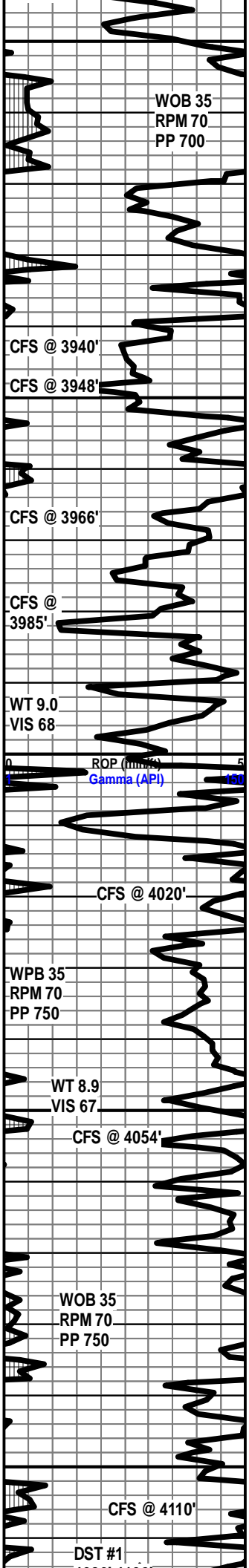
START 24 HOUR MANNED UNIT FEB. 6, 2015

LS - OFF WHT TO WHT, HD DNS TO BRIT, FN TO VF-XLN, MD-XLN IP, S-SUCRO, IMBD FOSS FRAGS, IMBD CALC-XLS, TR FREE SFT WHT CHLK, DLL YEL MIN FLO IN 10%, FR INTER-FOSS POR IN 1%, NO VIS CUT OR SHOW

LS - OFF WHT TO WHT, HD DNS TO V BRIT, FN TO MD-XLN, S-SUCRO, ABDT IMBD CALC-XLS, IMBD FOSS FRAGS, TR FREE SFT WHT CHLK, NO VIS FLO, PR INTER-XLN POR IN 1%, NO CUT OR SHOW

HEERNER 3897' (-1050')





SH - GRY TO LT GRY, SFT TO V SFT, GMMY IP, SMTH SLTY TXT

LS - OFF WHT TO WHT, CRM IP, HD DNS TO BRIT, FN TO MD-XLN, S-SUCRO, IMBD CALC-XLS, NO VIS FLO, NO VIS POR, NO CUT OR SHOW

LANSING 3935' (-1088')

LS - OFF WHT TO WHT, HD DNS TO BRIT, FN TO MD-XLN, S-SUCRO, ABTD IMBD CALC-XLS, ABTD FREE SFT WHT CHLK THRU, NO VIS FLO, PR INTER-XLN POR IN 1%, NO VIS CUT OR SHOW

SH - GRY TO RD, FRM TO SFT IP, BLKY SMTH TXT

LANSING "C" 3967' (-1120')

LS - OFF WHT TO CRM, HD DNS TO BRIT, FN TO MD-XLN, RE-XLN IP, S-SUCRO, IMBD FOSS FRAGS, DLL YEL MIN FLO IP, FR INTER-FOSS POR IN 2%, NO CUT OR SHOW

LS - OFF WHT TO WHT, HD DNS TO BRIT, FN TO MD-XLN, S-SUCRO, IMBD FOSS FRAGS, TR FREE SFT WHT CHLK, LT TR IMBD CALC-XLS, DLL YEL MIN FLO THRU, NO VIS POR, NO CUT OR SHOW

LANSING "F" SHALE 3997' (-1150')

LS - OFF WHT TO WHT, HD DNS TO V BRIT, FN TO MD-XLN, V TT SUCRO MTRX, TR IMBD FOSS FRAGS, DLL YEL MIN FLO THRU, PR INTER-XLN POR IN 1%, NO CUT OR SHOW

LS - OFF WHT TO WHT, CRM IP, HD DNS TO BRIT, FN TO MD-XLN, VF-XLN IP, S-SUCRO, ABTD FREE SFT WHT CHLK, DLL YEL MIN FLO THRU, NO VIS POR, NO CUT OR SHOW

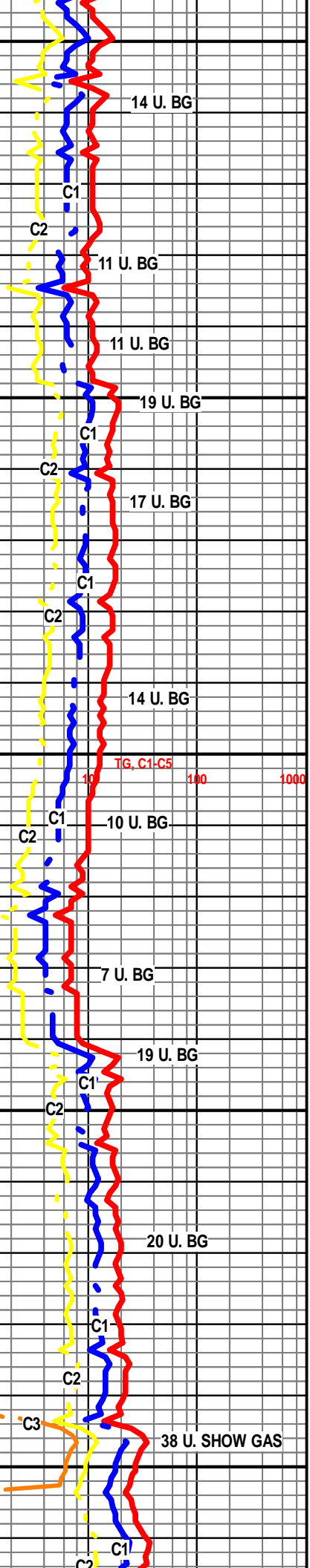
LS - OFF WHT TO WHT, CRM IP, HD DNS TO BRIT, FN TO VF-XLN, S-CHLKY, ABTD FREE SFT WHT CHLK THRU, TR FREE S-ANG OFF WHT CHRT, DLL YEL MIN FLO IN 50%, PR INTER-XLN POR IN 1%, NO VIS CUT OR SHOW, VERY FAINT OIL ODOR

SH - LT GRY TO GRY, FRM TO V FRM, BLKY SMTH TXT

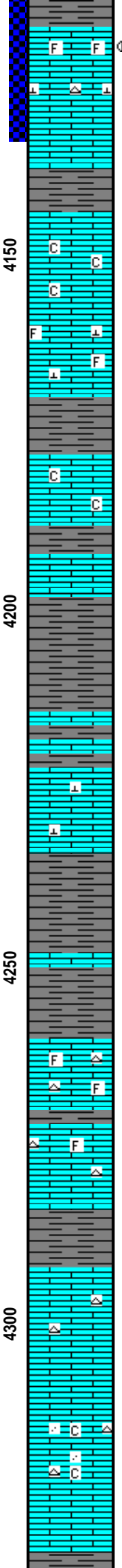
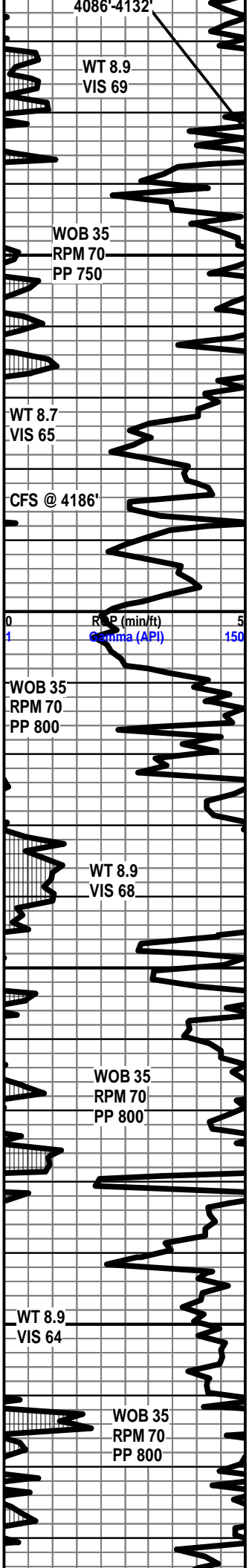
LS - OFF WHT TO CRM, HD DNS TO BRIT, FN TO VF-XLN, S-CHLKY, ABTD FREE SFT WHT CHLK, ABTD FREE S-ANG OFF WHT CHRT, DLL YEL MIN FLO THRU NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO CRM(W/ DRK TN OIL STN IN 70%) HD DNS TO BRIT, FN TO VF-XLN, MD-XLN IP, S-SUCRO, FREE S-ANG OFF WHT CHRT, YEL GLD FLO IN 70%, SPTTD BRI YEL IN 10%, FR INTER-XLN POR IN 2%, EXCEL INST FLSH CUT, FR SLOW STRM CUT IN 30%, FAIR OIL ODOR, LT TN LCH ON DISH

LANSING "I" 4110' (-1270')



LANSING 3 4119 (-1272)



LS - OFF WHT TO CRM(W/ LT TN OIL STN IN 10%) HD DNS TO BR TT, FN TO VF-XLN, S-SUCRO, LT TR IMBD CALC-XLS, LT TR IMBD FOSS FRAGS, DLL YEL GLD FLO IN 10%, PR INTER-FOSS POR IN 2%, FR INST FL SH CUT, PR SLOW STRM CUT IN 10%, FAINT OIL ODOR, NO LEECH ON DISH

LS - OFF WHT TO WHT, CRM IP, HD DNS TO BR TT, FN TO VF-XLN, CRYPTO-XLN IP, S-SUCRO, FREE SFT WHT CHLK, LT TR IMBD PYR, DLL YEL MIN FLO IP, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO WHT, MOTT IP, HD DNS TO BR TT, FN TO VF-XLN, S-SUCRO, LT TR IMBD CALC-XLS, LT TR IMBD FOSS FRAGS, DLL YEL MIN FLO IP, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO WHT, CRM IP, HD DNS TO BR TT, FN TO MD-XLN, VF-XLN IP, S-CHLKY, ABDT FREE SFT WHT CHLK, LT TR IMBD CALC-XLS, NO VIS FLO, NO VIS POR, NO CUT OR SHOW

BKC 4189' (-1342')

SH - LT GRY TO GRY, SFT TO V SFT, GMMY IP, SLTY SMTH TXT

LS - OFF WHT TO LT GRY, MOTT, HD DNS TO BR TT, FN TO MD-XLN, TR IMBD CALC-XLS, NO VIS FLO, NO VIS POR, NO CUT OR SHOW

SH - LT GRY TO GRY, SFT TO V SFT, GMMY SMTH TXT

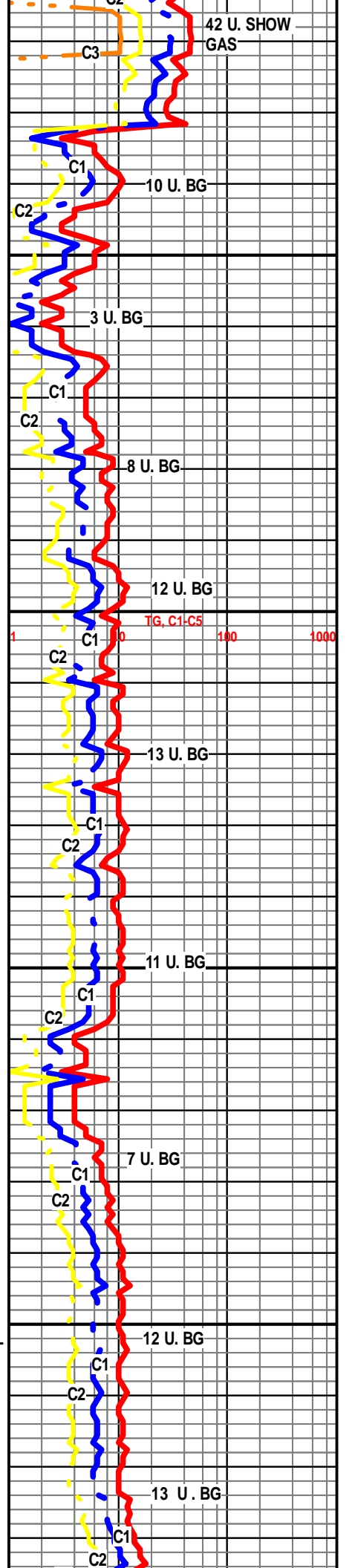
SH - LT GRY TO RD IP, SFT TO V SFT, GMMY IP, SMTH SLTY TXT

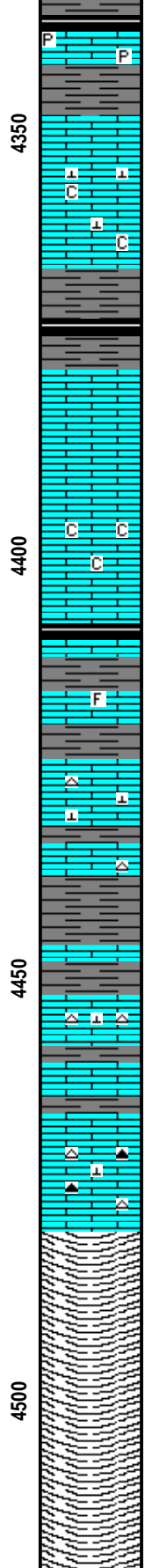
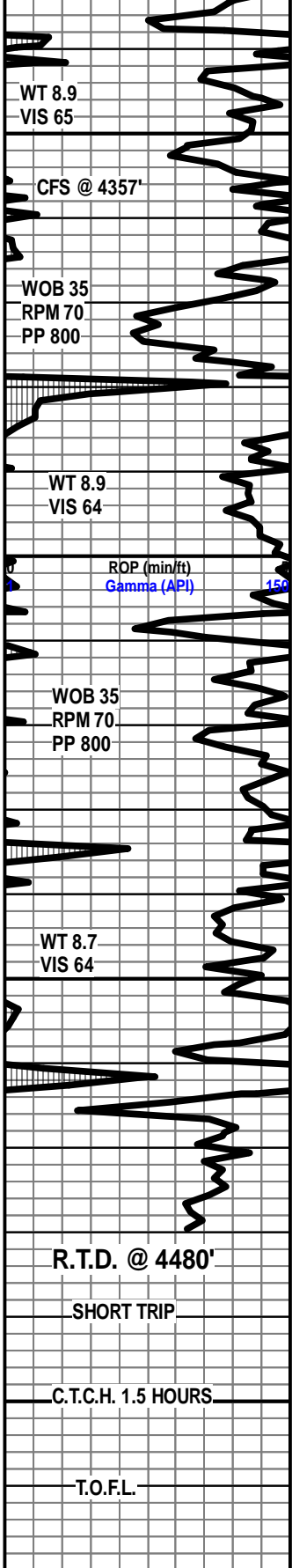
LS - OFF WHT TO LT GRY, HD DNS TO BR TT, FN TO VF-XLN, RE-XLN IP, S-SUCRO, FREE S-ANG OFF WHT CHRT, LT TR IMBD FOSS FRAGS, DLL YEL MIN FLO IN 10%, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO LT GRY, HD DNS TO BR TT, FN TO VF-XLN, S-SUCRO, FREE S-ANG OFF WHT CHRT, DLL YEL MIN FLO IP, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO LT GRY, HD DNS TO BR TT, FN TO VF-XLN, S-SUCRO, AREN IP, LT TR FREE SFT WHT CHLK, DLL YEL MIN FLO IN 10%, NO VIS POR, NO CUT OR SHOW

LABETTE 4337' (-1490')





LS - OFF WHT TO LT GRAY, MOTT, HD DNS TO BRTT IP, S-SUCRO, LT TR IMBD PYR, DLL YEL MIN FLO IP, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO WHT, CRM IP, HD DNS TO BRTT, FN TO VF-XLN, S-SUCRO, TR IMBD CALC-XLS, LT TR FREE SFT WHT CHLK, DLL YEL MIN FLO IP, NO VIS POR, NO CUT OR SHOW

FT. SCOTT 4379' (-1532')

LS - OFF WHT TO LT GRAY, WHT IP, HD DNS TO BRTT, FN TO VF-XLN, CRPYTO-XLN IP, DLL YEL MIN FLO IP, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO WHT, LT GRAY IP, MOTT, HD DNS TO BRTT, FN TO VF-XLN, S-SUCRO, LT TR FREE SFT WHT CHLK, DLL YEL MIN FLO IP, NO VIS POR, NO CUT OR SHOW

CHEROKEE 4409' (-1562')

LS - OFF WHT TO WHT, LT GRAY, HD DNS TO BRTT, FN TO VF-XLN, MD-XLN IP, S-SUCRO, IMBD FOSS FRAGS, IMBD CALC-XLS, DLL YEL MIN FLO IP, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO WHT, LT GRAY IP, MOTT, HD DNS TO BRTT, FN TO MD-XLN, S-SUCRO, IMBD CALC-XLS, DLL YEL MIN FLO IP, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO LT GRAY, MOTT, HD DNS TO BRTT, FN TO VF-XLN, S-SUCRO, ABDT FREE S-ANG OFF WHT CHRT, DLL YEL MIN FLO IN 40%, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO LT GRAY, HD DNS TO BRTT, FN TO VF-XLN, S-SUCRO, ABDT FREE S-ANG OFF WHT CHRT, TR FREE SFT WHT CHLK, DLL YEL MIN FLO IN 10%, NO VIS POR, NO CUT OR SHOW

R.T.D. @ 4480' at 1:20 AM FEB. 10, 2015

LOGGING SERVICES COMPLETED BY: WEATHERFORD

