

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs 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 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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	STALEY 3-21
Doc ID	1486262

All Electric Logs Run

ANNULAR HOLE VOLUME LOG 5 CASING
ARRAY COMPENSATED TRUE RESISTIVITY LOG 1
ARRAY COMPENSATED TRUE RESISTIVITY LOG 2
ARRAY COMPENSATED TRUE RESISTIVITY LOG 5
ARRAY RESISTIVITY SPECTRAL DENSITY DUAL SPACED NEUTRON BOREHOLE SONIC QUAD COMBO LOG
BOREHOLE COMPENSATED SONIC LOG
MICROLOG
SPECTRAL DENSITY DUAL SPACED NEUTRON LOG

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	STALEY 3-21
Doc ID	1486262

Tops

Name	Top	Datum
HEEBNER	3900	.
TORONTO	3919	.
LANSING	3973	.
KANSAS CITY	4341	.
MARMATON	4460	.
PAWNEE	4549	.
CHEROKEE	4592	.
ATOKA	4738	.
MORROW	4774	.
CHESTER	4822	.
ST GENEVIEVE	4850	.
ST LOUIS	4873	.

MBC WELL LOGGING LLC

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

Well Name: STALEY 3-21 AFE: 64380 MERIT ENERGY
 API: 15-055-22524
 Location: FINNEY CO. KS USA
 License Number: 5447
 Spud Date: 9-10-2019
 Surface Coordinates: 2192'FWL 2273'FNL, SEC 21-T25S-R32W
 Bottom Hole Coordinates: HLS-DIL/SP/GR CNL/CAL/PE/BHV SONIC SFC
 Ground Elevation (ft): 2873' K.B. Elevation (ft): 2885'
 Logged Interval (ft): 3840' To: 5050' Total Depth (ft): E-LOG 5052'
 Formation: MISSISSIPPI
 Type of Drilling Fluid: WATER BASED MUD
 Region: WILDCAT
 Drilling Completed: 09-13-2019

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

OPERATOR

Company: MERIT ENERGY CO LLC
 Address: ATTN: MARTIN LANGE GEOLOGY
 13727 NOEL RD STE 1200
 DALLAS, TEXAS 75240

MUDLOGGER

Name: TROY FOWLER//A. GARNER
 Company: MBC WELL LOGGING LLC
 Address: 21156 RD 22
 MEADE, KANSAS 67864

ROCK TYPES

	Anhy		Stgensndy-arkos		Sltst-1		Stgensndy-arkos
	Brec		New ls-1		Sltly-shale		Sndy ool ls
	Cht		Carby shale		Lmy ss-1		Sndy-ls-1
	Coal		Lmy carby sh-3		Arkosic snd		Calc shale
	Congl		Carb sh		Ss		Granitewash
	New dolomite		Gyp		Grn sh strk		Ls shly-b
	Dolo new		Sltst		Lmy sh-2		Poor sortd ss
	Newdolo ls 2		Salt		Grn mott gy sh		Snd-ls-sh
	Ls & ooids		Sndy sh--red		Shale-1		
	Oolitic ls -1		Sndy sh		Red sh-1		

Curve Track 1

ROP (min/ft) ———
 Gamma (API) - - - - -

TG, C1-C5

TG (Units) ———
 C1 (units) - - - - -
 C2 (units) ·····
 C3 (units) ·····
 C4 (units) ·····
 C5 (units) ·····

Depth
 % Lithology
 Porosity
 litholog-O
 Oil Shows

Geological Descriptions

ROP (min/ft) 0 2
 Gamma (API) 0 150

TG, C1-C5 0 50

**STALEY 3-21
 MERIT ENERGY**

DUKE RIG #9

GL: 2873'
 KB: 2885'

SURFACE SET
 @ 1765'

9:00 PM 09/12/2019 BEGIN ONE MAN
 DATA LOG USING RIG ROOSTER #4
 TROY FOWLER LOGGER

LS- GY LT GY TN TO BUFF, HRD DNS
 TO BRITT, F-XLN TO SLI RE-XLN,
 SUCRO TO V/CHLKY, TRS OF SFT OFF
 WHT CHLK, F/TRS OF FOSS FRGS,
 YEL TO DL YEL FLO THRU, NO VIS
 POR, NO VIS CUT OR SHOW, NO
 ODOR

LS- TN GY TO OFF WHT, HRD DNS,
 F-XLN, SUCRO TO CHLKY, YEL MIN
 FLO, NO VIS POR OR SHOW, NO
 ODOR

HBNR 3900' / -1015'
 SH- SFT BLK CARB

SRVY: 3901'
 @ .05 INC

SH- GY DRK GY GRNISH TO BRN, FRM
 BRITT TO SFT, BLKY TO GRNY, SILTY
 IP

TRNT 3930' / -1045'
 LS- TN BRN GY TO BUFF, HRD DNS TO
 BRITT, F-XLN, SUCRO TO CHLKY IP,
 FOSS FRGS, YEL MIN FLO, NO VIS
 POR OF SHOW, NO ODOR

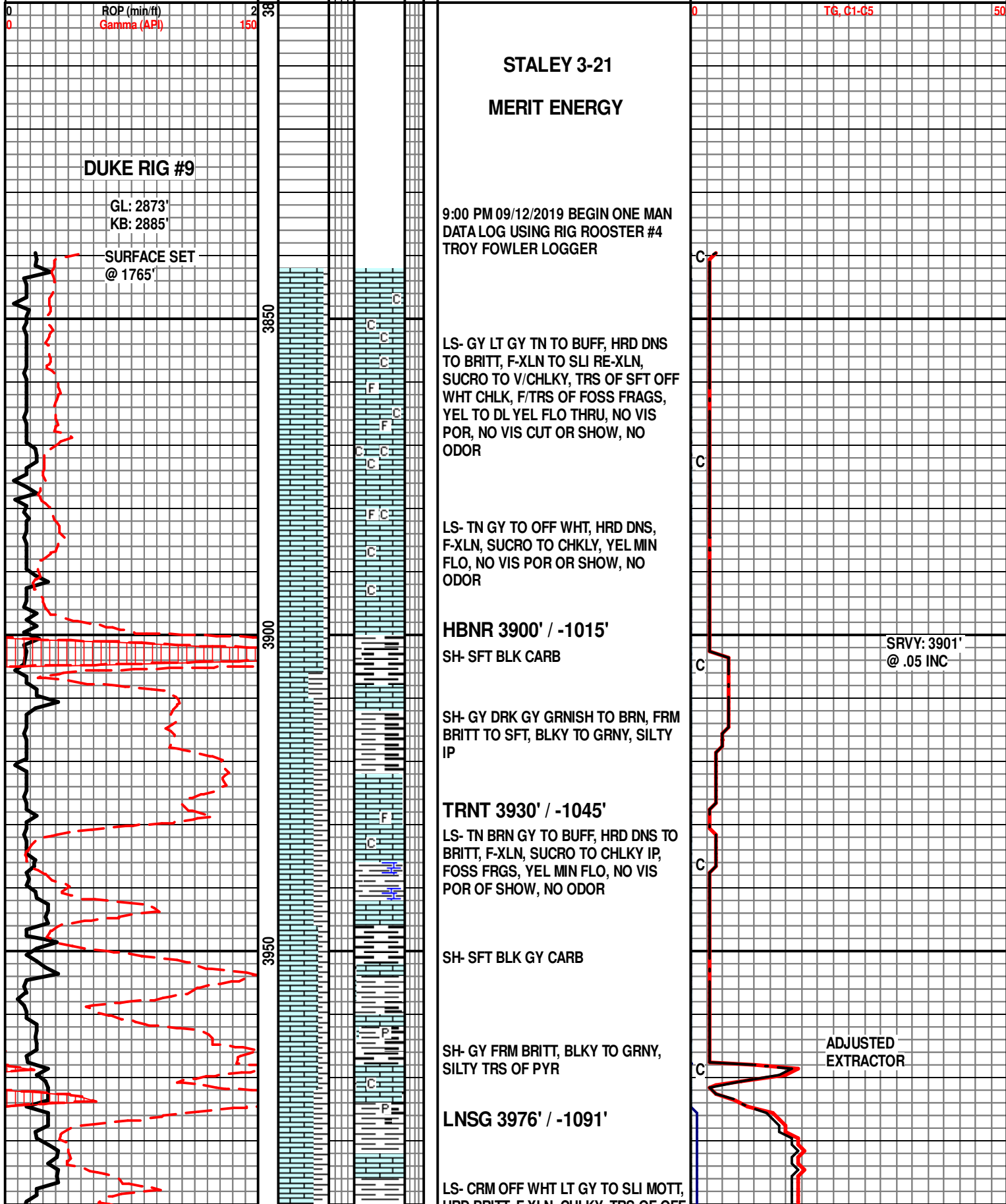
SH- SFT BLK GY CARB

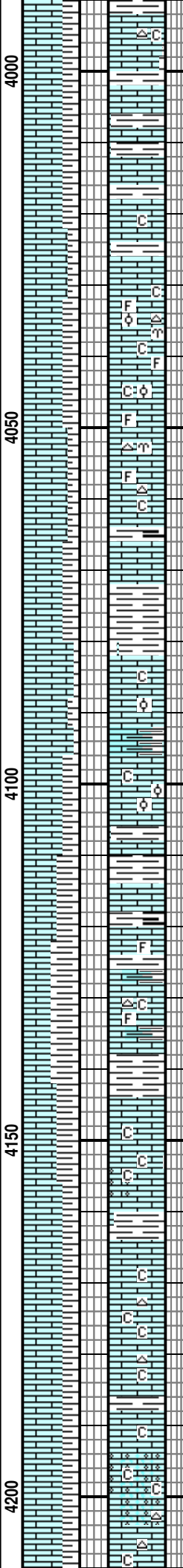
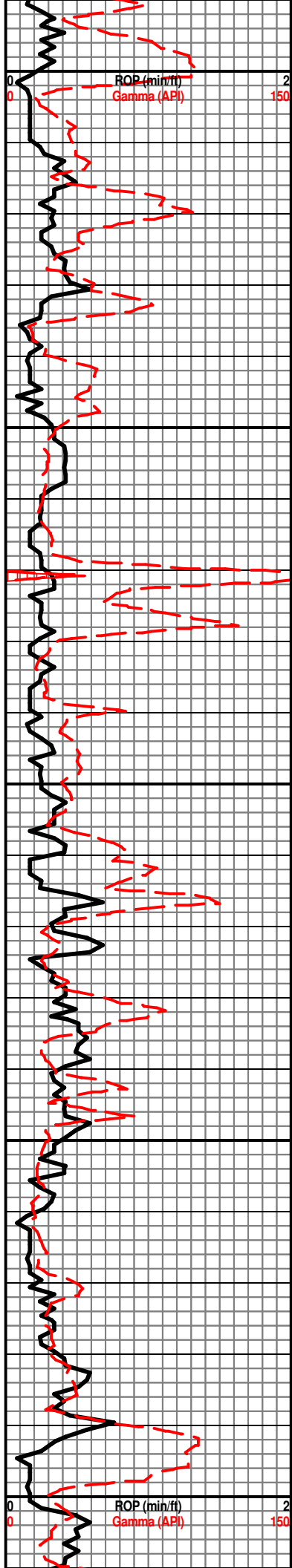
SH- GY FRM BRITT, BLKY TO GRNY,
 SILTY TRS OF PYR

**ADJUSTED
 EXTRACTOR**

LNSG 3976' / -1091'

LS- CRM OFF WHT LT GY TO SLI MOTT,
 HRD BRIT, F-XLN, CHLKY, TRS OF OFF





HRD BRITT, F-XLN, CHLKY, TRS OF OFF WHT CHRT IP, YEL MIN FLO, NO VIS POR OR SHOW

INTERBED LS & SH, GY OFF WHT LT GY TO LT TN, MOTT IP, HRD DNS TO BRITT, CHLKY TO SILTY, LAM TO DISS GY DRK GY SHALES, SME TRS OF VF-OOL IP, YEL MIN FLO, POSS PR PP POR IP, NO VIS CUT OR SHOW, NO ODOR

LS- OFF WHT LT GY TO TN, HRD DNS TO BRITT, SUCRO TO CHLKY, F-XLN, SUCRO TO CHLKY, TRS OF FOSS FRAGS, F/TRS OF OFF WHT TO SEMI OPAQ CHRT, F/TRS OF VF-OOL IP, YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW, NO ODOR

SH- GY DRK GY TO BLK, FRM BRITT, BLKY GRNY, SILTY TO SLI CARB

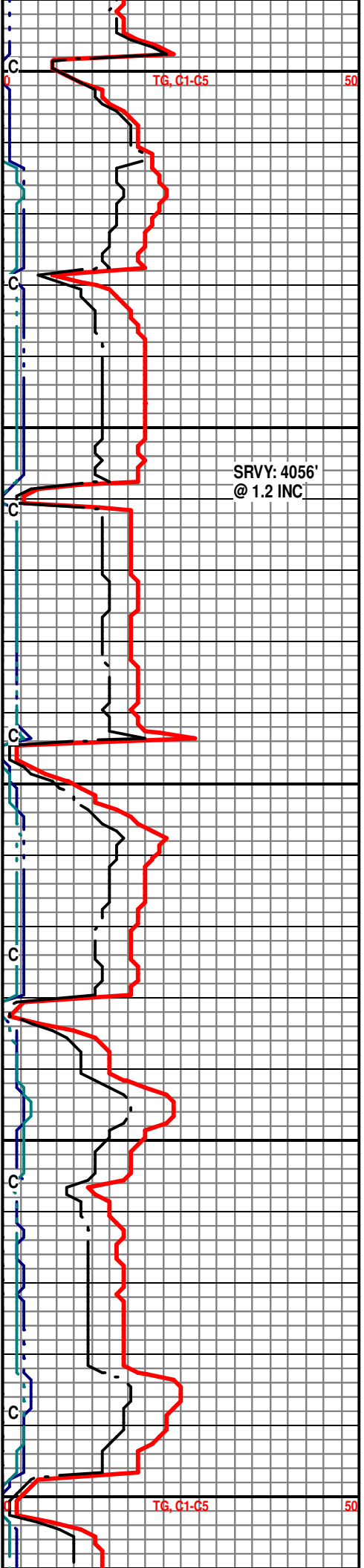
LS- GY OFF WHT BRN TN TO MOTT, HRD DNS TO BRITT, F/VF-XLN, CHLKY, SCATT VF-OOL SME SHADOW, YEL TO DLL YEL MIN FLO, POSS PP POR IP, NO VIS CUT OR SHOW, NO ODOR

LS- CRM OFF WHT LT TN TO LT GY, HRD DNS TO BRITT, F/VF-XLN, SUCRO TO CHLKY, TRS OF FOSS FRAGS, SME LAMN SH IP, F/TRS OF LT GY CHRT, SHLY IP, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW, NO ODOR

LS- GY OFF WHT TO LT TN, HRD DNS TO BRITT, F-XLN, CHLKY, YEL MIN FLO, MD/F-OOL IP, POSS PR/FR OOLICAST POR, NO VIS CUT OR SHOW, NO ODOR, SME TRS OF BUBBLES

LS- GY OFF WHT LT TN TO SLI MOTT, HRD DNS TO BRITT, F-XLN, SUCRO TO V/CHLKY, TRS OF SFT OFF WHT CHLK, TRS OF GY TN CHRT, SPOTTY YEL TO DLL YEL FLO, NO VIS POR, NO VIS CUT OR SHOW

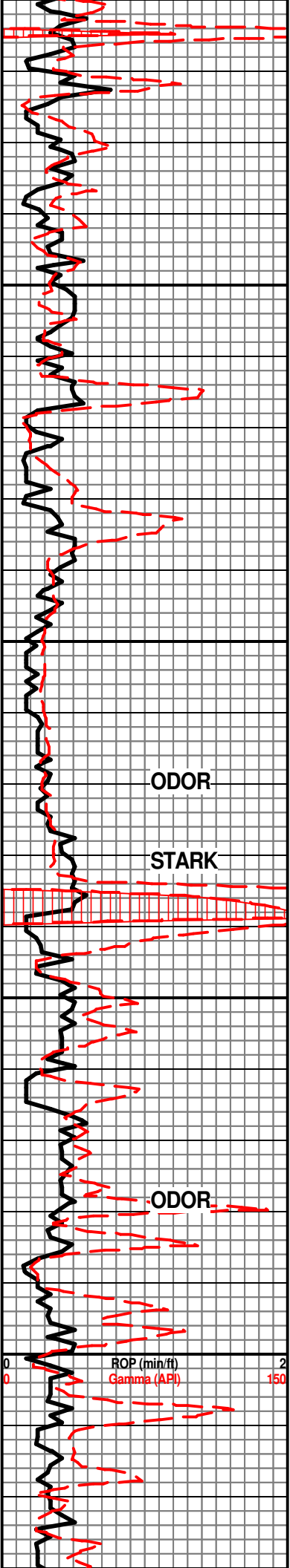
LS- CRM OFF WHT LT GY, HRD DNS TO SLI BRITT, MICRO-OOL TO VF-XLN, SUCRO TO V/CHLKY, TRS OF SFT WHT OFF WHT CHLK, VF-OOL PR SORTD SME SHADOW, F/TRS OF OFF WHT CHRT, DLL YEL MIN TO SPOTTY YEL FLO. POSS PR VIS INTER-OOL POR.



SRVY: 4056'
@ 1.2 INC

TG, C1-C5

TG, C1-C5



4250

4300

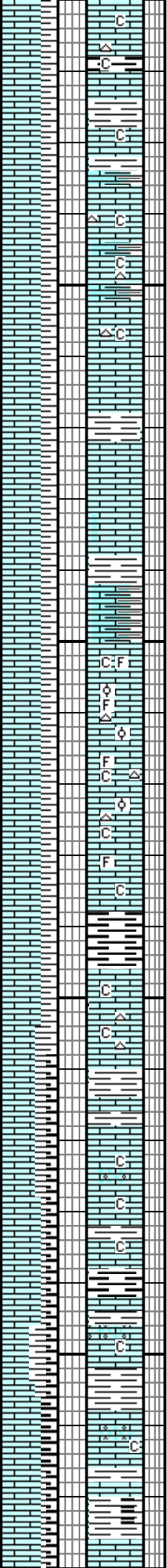
4350

4400

ROP (min/ft)
Gamma (API)

150

50



NO VIS CUT OR SHOW, NO ODOR

LS- GY TN OFF WHT, HRD DNS TO BRITT, VF-F-XLN, SUCRO TO V/CHLKY, TRS OF OFF WHT CHLK, F/TRS OF OFF WHT LT TN SEMI OPAQ TO VITR CHRT SME W/ FOSS FRAGS, YEL TO DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW, NO ODOR

09/13/2019 @ 12:00 AM DEPTH 4260'

LS- CRM OFF WHT LT GY TO LT TN, HRD BRITT, CHLKY, TRS OF LT TN CHRT, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW, NO ODOR

LS- GY LT GY TN TO BUFF, HRD BRITT, F-XLN, CHLKY, TRS OF FOSS FRAGS AND OOL MELANGE, SHLY IP W/DISS GY SH, TRS OF TN CHRT, DLL YEL MIN FLO IP, NO VIS POR, NO VIS SHOW, FR GAS ODOR

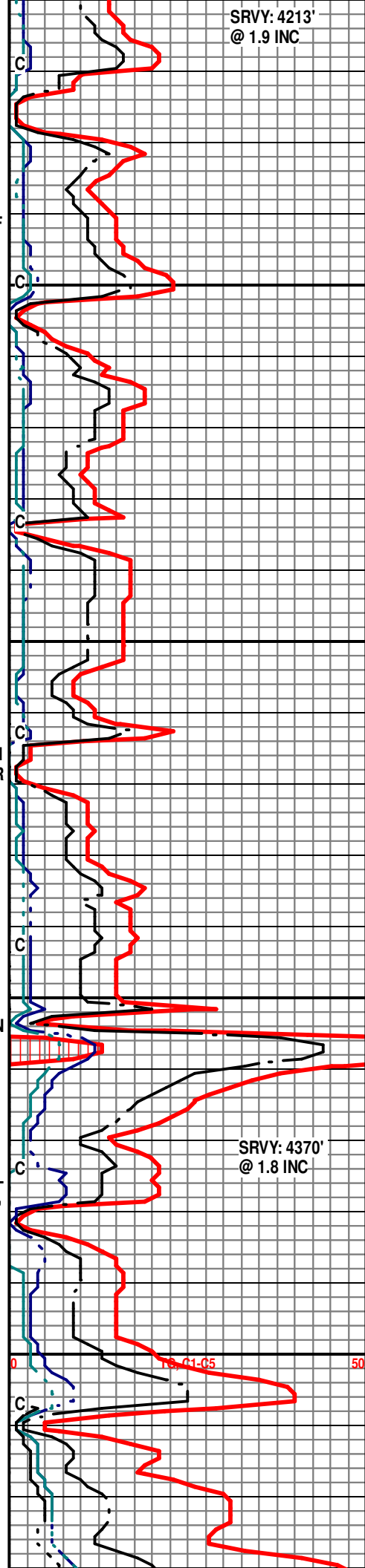
SH- BLK SFT FRM CARB SH
SWOPE 4340' / -1455'

LS- CRM OFF WHT TO LT TN, HRD DNS TO BRITT, F-XLN, CHLKY, TRS OF LT TN CHRT, TRS OF SFT OFF WHT CHLK, DLL YEL MIN FLO, NO VIS POR OR SHOW, NO ODOR

LS- CRM OFF WHT LT GY TO LT TN, HRD BRITT, F-XLN, SUCRO TO CHLKY, TRS OF MICRO-OOL FR SRTD, DLL YEL MIN FLO, POSS PR INTER-OOL POR IP, NO VIS CUT OR SHOW, FAINT GAS ODOR

LS- TN LT GY TO OFF WHT, HRD BRITT, F-XLN, SUCRO TO V/CHLY, F/TRS OF MD/F-OOL PR SRTD, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW, NO DET ODOR

SH- GY DRK GY TO BLK, FR BRITT, BLKY, CARB IP

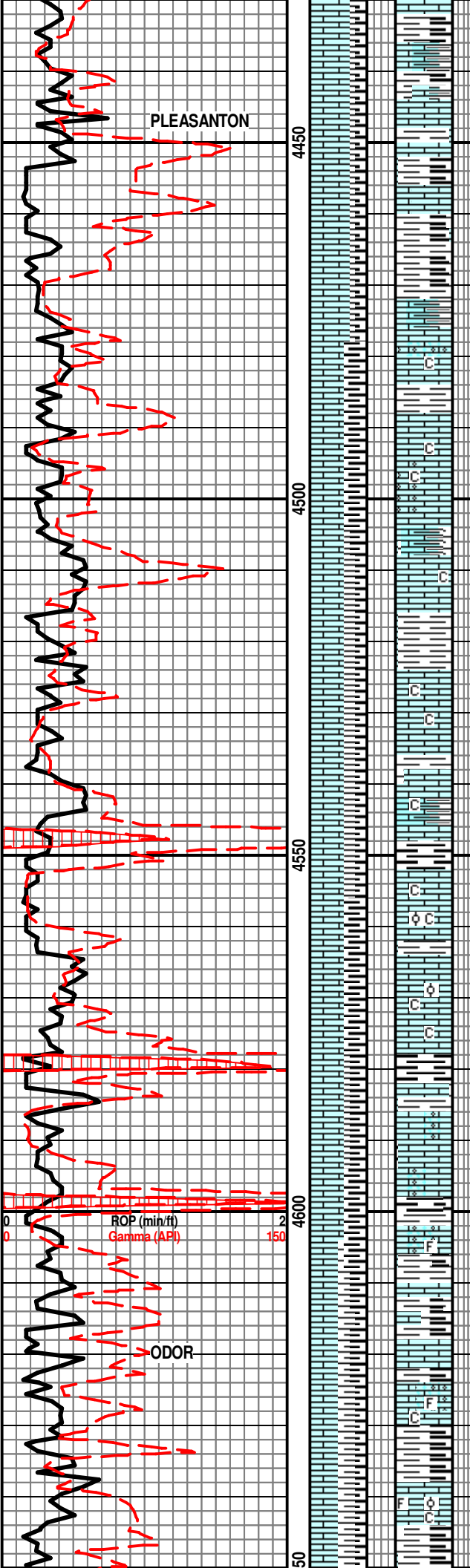


SRVY: 4213'
@ 1.9 INC

SRVY: 4370'
@ 1.8 INC

TS, C1-C5

50



PLEASANTON

4450

4500

4550

4600

ROP (min/ft)
Gamma (API)

ODOR

50

INTERBEDDED CARB SH AND CHLKY LS

LYMY SH- GY DRK GY TO BRN, FRM BRITT TO SFT, SMTH BLKY TO GRNY, CARB IP, TRS MICRO-OOL FR SORTD, DLL YEL FLO, POSS PR OOLICAST POR, NO VIS SHOW OR CUT, NO DET ODOR

MRMN 4469' / -1584'

LS- GY OFF WHT TO MOTT, HRD BRITT, F-XLN, CHLKY, TRS OF MD/F-OOL PR SRTD, F/TRS OF FOSS FRAGS, SHLY TO DISS GY BLK SH IP, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW

SH- GY DRK GY TO BLK. FRM BRITT TO SFT, BLKY TO GRNY, CALC IP TO CARBY

LS- TN GY OFF WHT MOTT, HRD DNS, F-XLN, SUB-SUCRO TO CHLKY, TRS OF SHADOW OOL IP, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW, NO DET ODOR

PWNE 4552' / -1667'

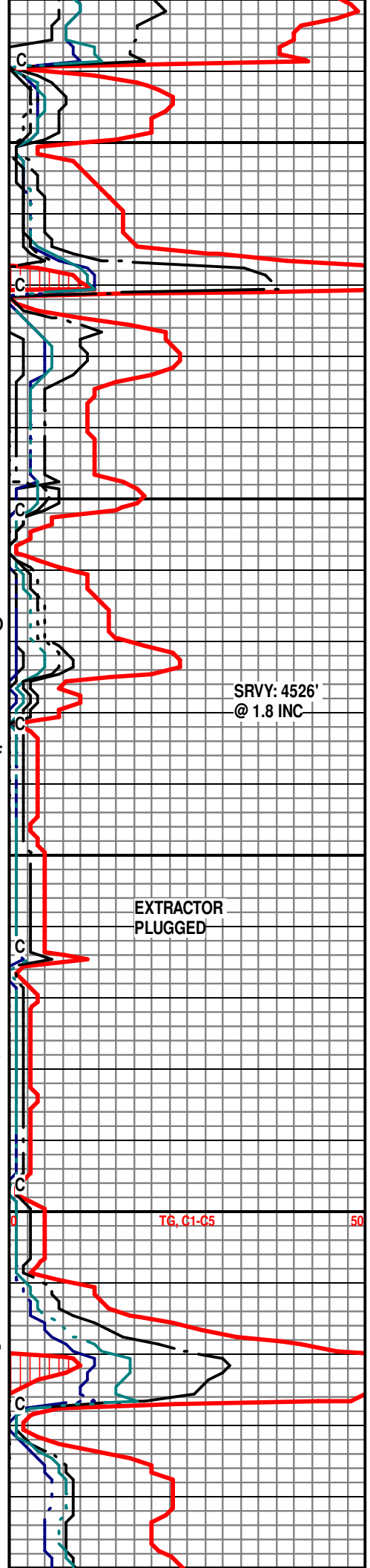
LS- TN GY OFF WHT, HRD DNS TO BRITT, F-XLN, CHLKY, F/TRS OF OOL IP, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW, NO DET ODOR

SH- DRK GY TO BLK, FRM BRITT, BLKY SMTH, CARB

CHRK 4600' / -1715'

INTERBED GY BRN TO BLK CARBY SH W/ GY OFF WHT CHLKY GRNY LS STRNGS SME WITH FOSS FRAGS, GLAUC & PR SRTD OOL, DLL YEL FLO, POSS PR INTER-FOSS POR, NO VIS CUT OR SHOWS, FAIR GAS ODOR

INTERBED SH & LS- CARBY SFT BLK DRK GY SH AND CHLKY FOSS LS, NO CUTS OR SHOWS

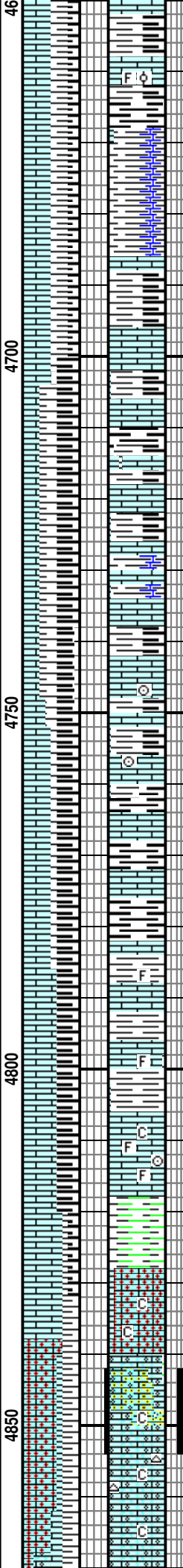
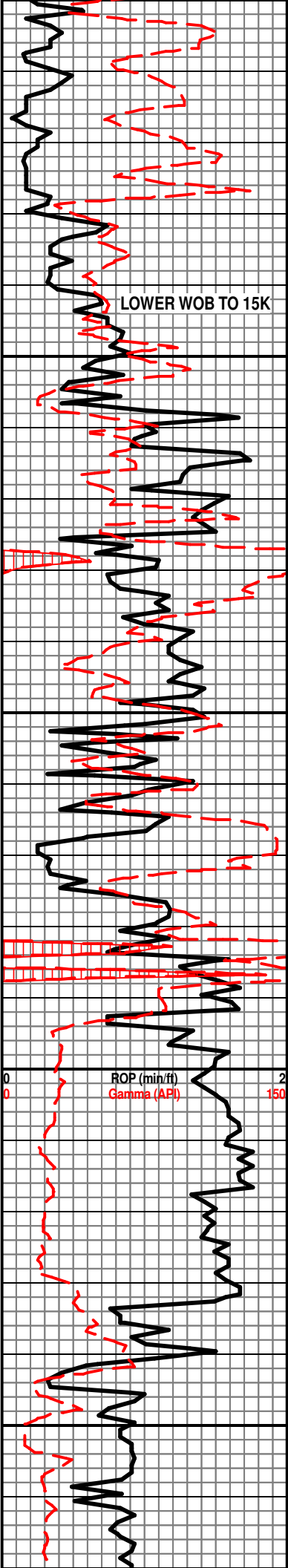


SRVY: 4526'
@ 1.8 INC

EXTRACTOR
PLUGGED

TG, C1-C5

50



SH- DRK GY BLK CARBY

ATOKA 4678' / -1793'
FINELY BEDDED SH & LS MOSTLY
MOTT AND CHLKY/CALC

SH- GY DRK GY BLK, FRM BRITT, SMTH
BLKY, CARBY TO CALC, PYR

LYMY CARBY SH- GY TN DRK GY TO
BLK MOTT, TN GY OFF WHT LS
STRNGS, F/TRS OF FOSS FRAGS, PYR

ATOK 4749' / -1864'
LS- GY OFF WHT TN, HRD DNS, F-XLN,
CHLKY, DISS GY BLK SH IP, FOSS
FRAGS, V/DLL YEL MIN FLO, NO VIS
POR, NO VIS CUT OR SHOW

SH- DRK GY BLK, FRM BRITT TO SFT
IP, SMTH BLKY, CARBY/FISSLE

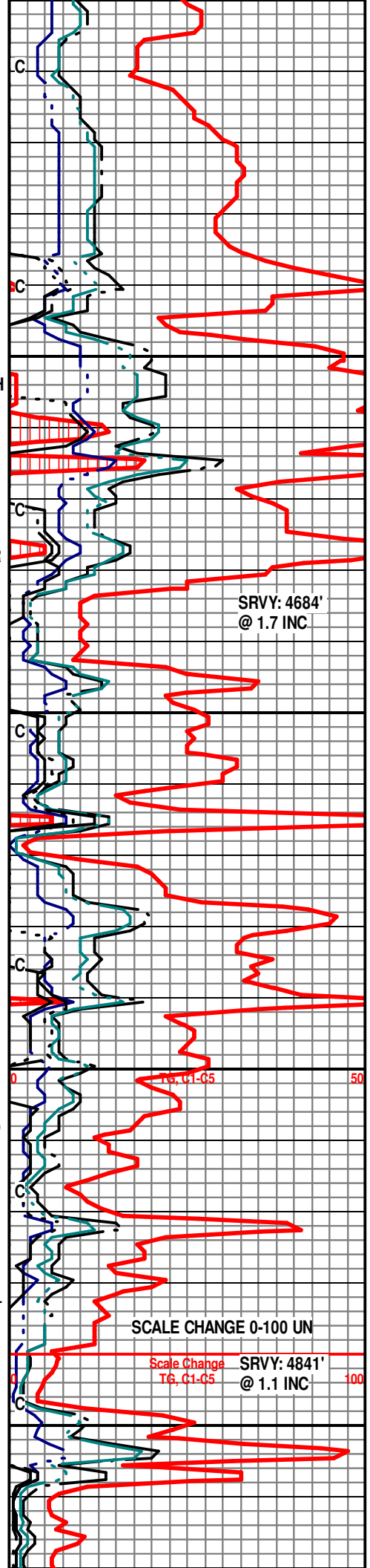
MRRW 4790' / -1905'

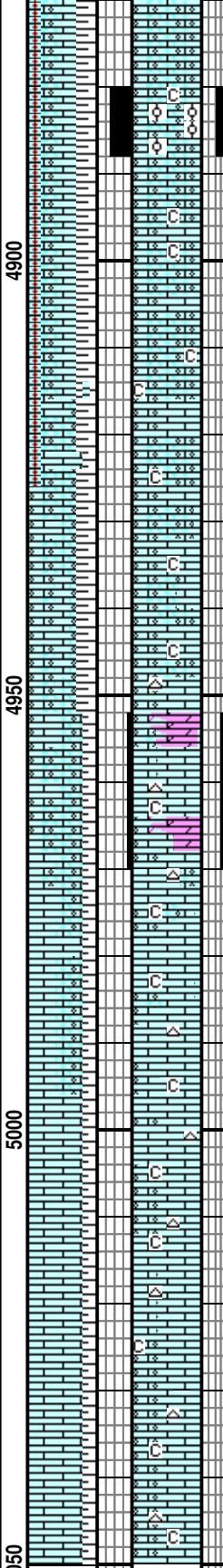
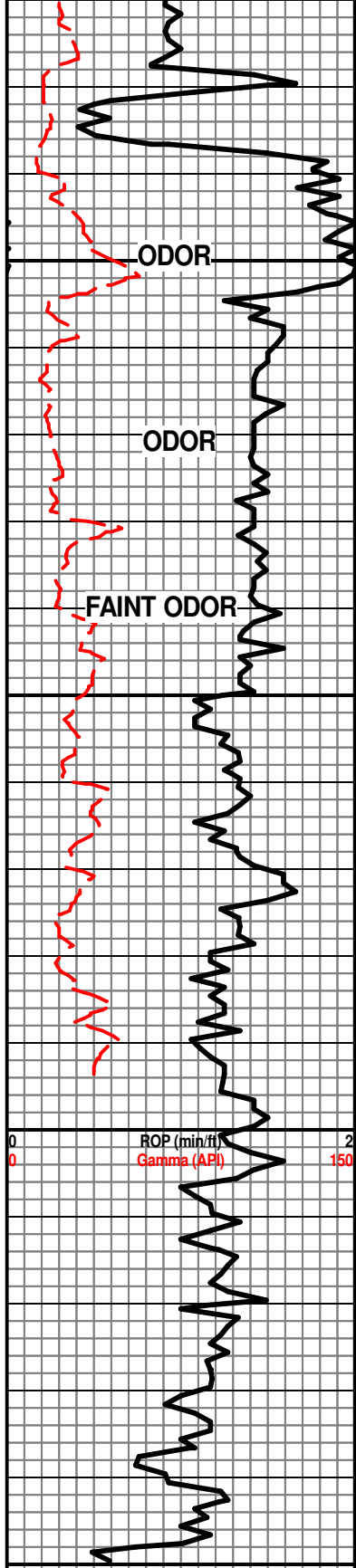
LS- DRK GY TN OFF WHT, HRD DNS TO
BRITT, M/F-XLN, FOSS FRAGS SME
OOL IP, F/TRS OF CHRT W/ OOL,

SH- GY GRN TO BRN , FRM BRITT,
SILTY TO WAXY

OOL LS- CRM OFF WHT LT GY TO LT TN, HRD
DNS TO BRITT, VF-GRN MICRO OOL, SUCRO TO
CHLKY, DLL MUST YEL FLO, POSS PR INTER-OOL
POR, NO VIS CUT OR SHOW, NO ODOR

STGN 4842' / - 1957'
OOL LS- CRM OFF WHT LT TN TO LT
GY, HRD DNS TO BRITT, MICRO-OOL
GRNS TRNDING TO LARGER GRNS,
F/TRS OF CHRT, DLL YEL TO PALE
BLUISH FLO, POSS INTER-OOL TO
FRAC POR, TRS OF GILSONITE, TRS
OF OIL STAINS, FAST MILKY BLU
FLUSH CUT TO MUSTARD YEL RING
CUT, NO ODOR DET





STLS PAY TOP 4878' / - 1993'

OOL LS- CRM OFF LT TN TO LT GY, HRD DNS TO BRITT, M/F-OOL GRNS IN CLUSTERS TO PR SORTD CHLKY MTX, YEL TO DLL YEL TO PALE BLUISH FLO, FAIR INTER-OOL POR, TRS OF OIL STAINS/GILSONITE BETWEEN GRNS IN CLUSTERS, STRNG FAST MILKYBLU FLUSH CUT TO MUSTARD YEL RING CUT, V/PUNGENT GASSY ODOR

STLS PAY TOP 4885' / - 2000'

OOL LS- OFF WHT LT TN TO LT GY, HRD DNS TO BRITT, F-GRN OOL TO VF-XLN, SUCRO TO CHLKY, INCR LS MTX, STILL CARRY VF-XLN AND M/F OOL GRNS, DLL YEL TO DLL BLU FLO, POSS PR INTER-GRN POR IP, NO VIS CUT OR SHOW, STILL CARRY FAINT GAS ODOR

LS- TN BUFF OFF WHT LT GY, HRD DNS TO BRITT, F/VF-XLN, SUCRO TO CHLKY, TRS OF OOL IP, F/TRS OF DOLO ST IP, TRS OF TN GY CHRT SME W/ FOSS FRAGS, DLL GOLD FLO, POSS PR VUG POR, NO VIS CUT OR SHOW, NO ODOR

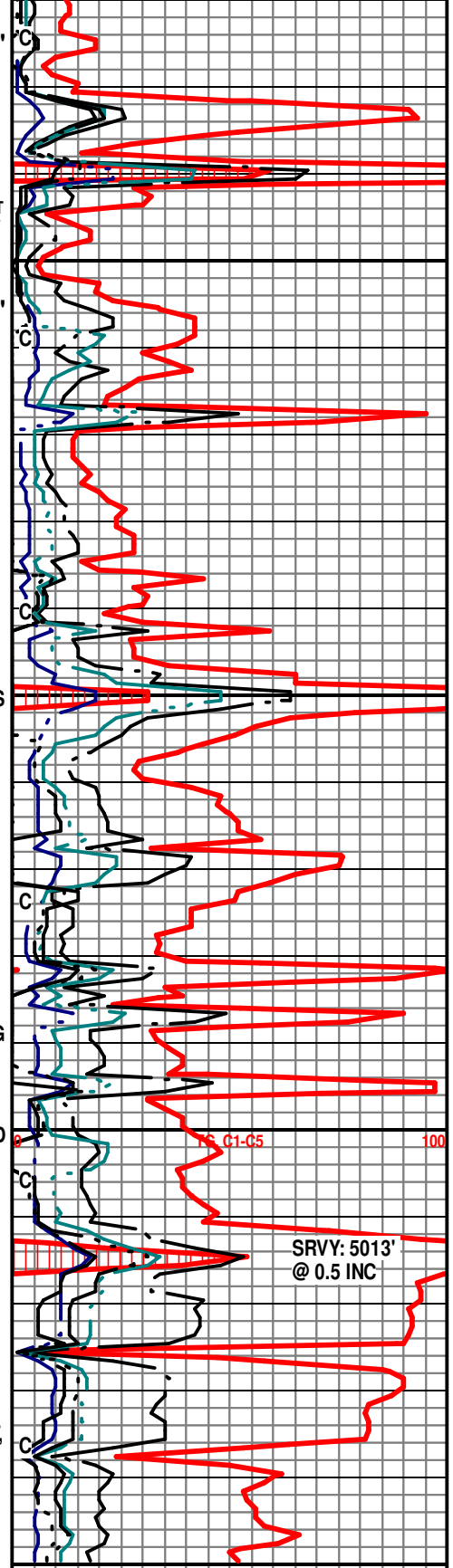
LS- TN OFF WHT LT GY, HRD DNS TO BRITT, F/VF-XLN, SUCRO TO CHLKY, TRS OF OOL IP, F/TRS OF DOLO ST IP, TRS OF TN GY CHRT SME W/ FOSS FRAGS, DLL GOLD FLO, POSS PR VUG POR, NO VIS CUT OR SHOW

LS- CRM OFF WHT LT TN TO BUFF, HRD DNS TO BRITT, F/VF-XLN, SUCRO TO CHLKY, WHT TN GY OPAQ TO VITR CHR SME WITH FOSS FRAGS, SCATT OOL, DLL YEL MIN TO SPOTTY YEL FLO, POSS PR INTER-GRN POR, NO VIS CUT OR SHOW, NO DET ODOR

LS- OFF WHT TN TO LT GY, HRD DNS TO BRITT, F-VF-XLN, SUCRO TO CHLKY, TRS OF WHT TN GY CLR CHRT, WHT CHLK, SCATT OOL LS, DLL YEL MIN TO SPOTTY YEL FLO, NO VIS POR, NO VIS CUT OR SHOW, NO DET ODOR

RTD 5050' @ 12:30 PM 09/13/2019

**THANK YOU FOR USING
MBC WELL
AUSTIN & MARLA GARNER
TROY FOWLER**



CFS 30 MIN
E-LOG DEPTH 5052'



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

PRESSURE PUMPING

Job Log

Customer:	Merit Energy	Cement Pump No.:	37223 19572 15HRS	Operator TRK No.:	78868
Address:	gardencity.invoices@meritenergy.com	Ticket #:	1718 19690 L	Bulk TRK No.:	30463 14284 19827 37725 Samuel
City, State, Zip:	AFE- 64380	Job Type:	Z-42 Cement Surface Casing		
Service District:	1718-Liberal Ks	Well Type:	OIL		
Well Name and No.:	Staley # 3-21	Well Location:	21-25S-32W	County:	Finney State: Kansas

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Con Cement	475	3% Calcium Chloride, 1/2# Celloflake, 1# Gilsonite	30463 14284	Front	Back
Class C Cement	165	2% Calcium Chloride, 1/4# Celloflake	19827 37725 Samuel	Front	Back
				Front	Back

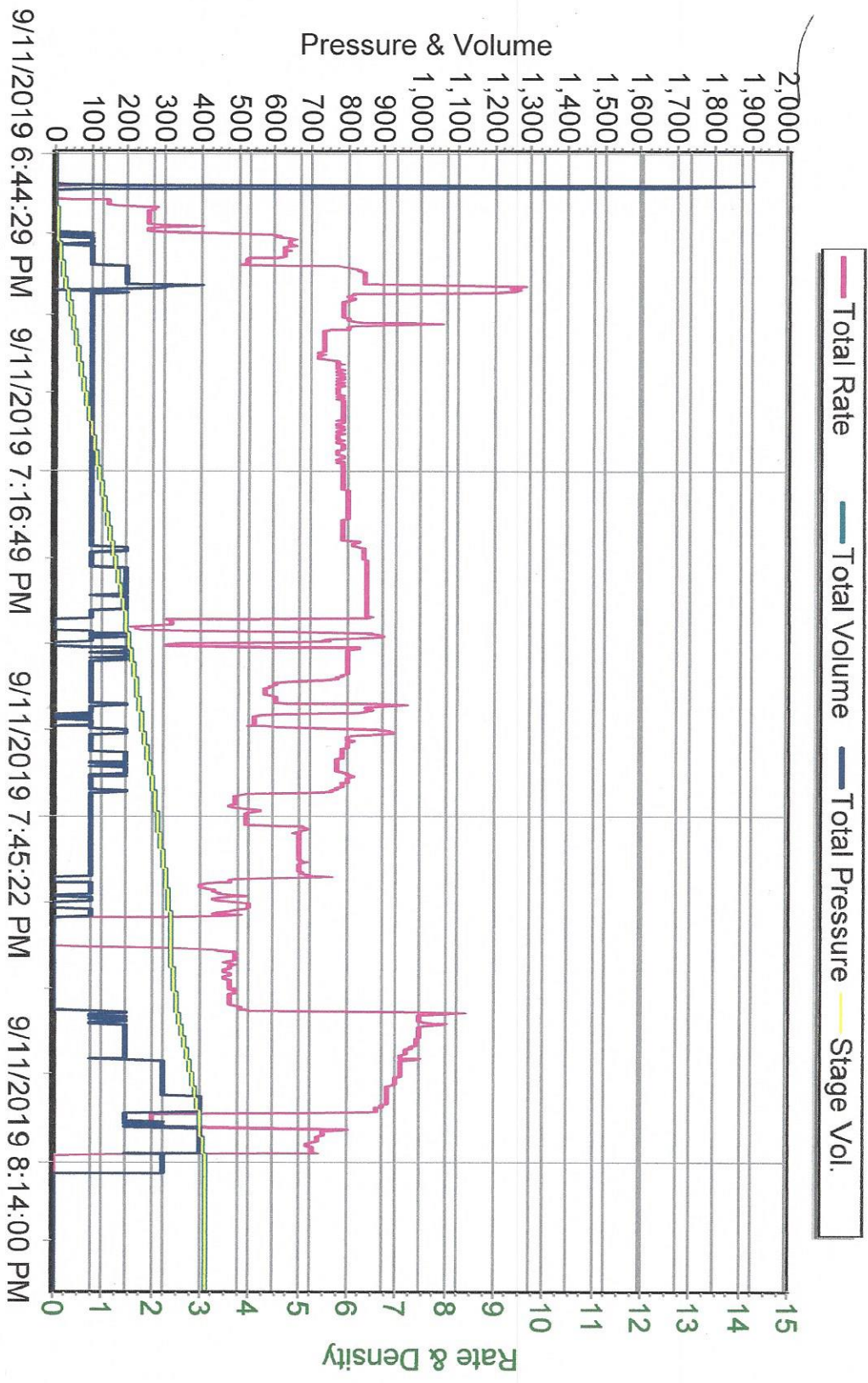
Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	12.1	2.41	13.9	1144.75	TT Man Hours:	51
Tail:	14.8	1.34	6.33	221.1	# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure(Psi)		Description of Operation and Materials
			T	C	Tubing	Casing	
14:30pm							Arrived at location
17:30pm							Spot trucks/Rig up
18:30pm							Safety meeting
18:52pm						1500	Pressure test lines to 1500psi
18:53pm	3.5	10				zero	Pump 10bbls of fresh water spacer
18:57pm	6	203				100	Pump 203bbls of lead from 475sks at 12.1lbs
19:41pm	6	39				50	Pump 39bbls of tail from 165sks at 14.8lbs
19:53pm							Shut down/Drop plug/Wash pump and lines
19:55pm							Start displacement of bbls with fresh water
20:00pm	6	20				100	20bbls gone
20:03pm	6	40				150	40bbls gone
20:06pm	6	60				280	60bbls gone
20:10pm	5	80				300	80bbls gone
20:27pm	2	90				100	90bbls gone changed to rig pump
20:30pm	4	104				1100	Bump plug
							Release pressure to check if float holds
							Got 50bbls of cement to Surface
							Rig down
							Job Completed
							Thanked company man and rig crew

Size Hole	12 1/4	Depth	1692		TYPE	Float Collar	
Size & Wt. Csg.	8 5/8 24#	Depth	1682	New / Used	Float Collar	1640.4	Depth
Landing Psi	500+	Depth			Retainer		Depth
Shoe Joint	41.6	Type			Perfs		CIBP

Customer Signature:	Basic Representative:	Victor A. Corona
	Basic Signature:	<i>Victor A. Corona</i>
	Date of Service:	9/11/2019

Merit Energy
8 5/8 Surface
Staley 3-21
9/11/2019



Pumping Order / Mixture

Client: Merit Energy
Date: 9/11/2019
Job: 8 5/8 Surface

Well Name & No: Staley 3-21
Location Supervisor: Victor A. Corona
COMPANY REP. Rodney Gonzales

Differential Pressure 1379 psi
Lift Pressure: 500 psi

Recipe

Pressure Test PSI: 1500

MAX PSI: 500

10 BBLs OF FRESH WATER SPACER
203 BBLs LEAD SLURRY YIELD 2.41 12.1LBS 475SKS 13.9G/SK
39 BBLs TAIL SLURRY YIELD 1.34 14.8LBS 165SKS 6.33G/SK

DROP PLUG/WASH PUMP ON TOP OF PLUG

104.0 BBLs OF DISPLACEMENT
94.0 BBLs @ 5 BPM
10.0 BBLs AT 2-3 BPM TO BUMP PLUG

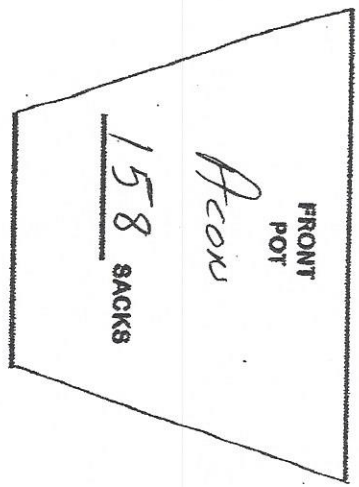
DISP PLUG WITH 104BBLs OF H2O

DATE 9-11-2019

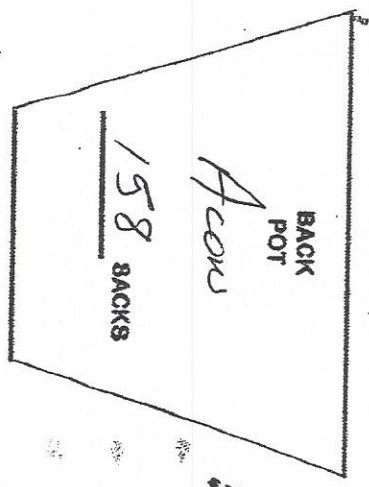
COMPANY
LEASE

Merit
Staley Well #3-2A

DIRECTIONS



30463



14284

Hours to Load Truck 800 AM 1200 PM

19827-37725

F-B

165 159

tail Acorn





Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

PRESSURE PUMPING

Job Log

Customer:	Merit Energy	Cement Pump No.:	38750, 19842 5Hrs	Operator TRK No.:	86531 Angel
Address:	gardencity.invoices@meritenergy.com	Ticket #:	1718 19706 L	Bulk TRK No.:	14355 Sam
City, State, Zip:	AFE # 64380	Job Type:	Z-42 Cement Production Casing		
Service District:	1718 Liberal, Ks	Well Type:	OIL		
Well Name and No.:	Staley # 3-21	Well Location:	21-25S-32W	County:	Finney
				State:	Kansas

Type of Cmt	Sacks	Additives	Truck Loaded On		
50/50	190	6% Gypsum, 10% salt, .5% c-17, 1/4# Defoamer, 5# Gilsonite, 1/4# CelloFlake	14355 Sam	Front	Back
50/50	50			Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	13.6	1.57	7.18	298.3	Man Hours:	36
Tail:	13.6	1.57	7.18	78.5	# of Men on Job:	3

Time (am/pm)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
		T	C	Tubing	Casing	
12:00						On Location
13:00						Safety Meeting
1:30 PM						Rig Up
2:06 PM						Pressure Test to 2000psi
2:08 PM	6	11.9			150	Pump Mud / 50 sx RH
14:18	2	13.9SR			ZERO	Cement Rat And Mouse
14:30	6	53.1SR			210	Pump Tail @ 13.6#
2:48 PM						Shut Down --Drop Plug
14:53						Wash To Pit
	6	10thu60			100	Displace With KCL
	5	60thu100			870	
	4.2	105			950	
15:15	2	115.9			1010	Presured Land Plug Too 1500psi
						Release Back ---- Float Held
						***** Thank You *****
						Job Completed

Size Hole	7 7/8"	Depth	5050'		TYPE	Plug Container	
Csg.	5.5" 17#	Depth	5040'	New / Used	Packer	Depth	
Landing Psi	598.24psi	Depth			Retainer	Depth	
Shoe	42.7'	Type			Perfs	CIBP	

Customer Signature:	Basic Representative:	Angel Echevarria
	Basic Signature:	
	Date of Service:	9/14/2019

STALEY #3-21

Basic Energy

