

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)</i> <i>(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	K3 Oil & Gas Operating Company
Well Name	GSX 11-30
Doc ID	1376285

All Electric Logs Run

Annular Hole Volume
Sonic
Dual Spaced Neutron
Micro Log
Borehole Compensated Sonic array

Form	ACO1 - Well Completion
Operator	K3 Oil & Gas Operating Company
Well Name	GSX 11-30
Doc ID	1376285

Tops

Name	Top	Datum
Topeka	2389	-1150
Heebner	2788	-1549
Stalnaker	3097	-1858
KC	3443	-2204
Marmaton	3775	-2536
Cherokee	3898	-2659
Miss	4108	-2869
Kinderh	4443	-3204
Chattanooga	4907	-3668
Simpson	4507	-3268
Arbuckle	4649	-3410



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1009504	1718	12/10/2017
INVOICE NUMBER			
92587577			

Pratt (620) 672-1201
 B K3 OIL & GAS
 I 24900 PITKIN RD, SUITE 305
 L THE WOODLANDS
 L TX US 77386
 T
 O ATTN: SELIGMAN

J LEASE NAME GSX #11-30
 O LOCATION
 B COUNTY Sumner
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41074486	20920		Net - 30 days	01/09/2018

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 12/03/2017 to 12/03/2017</i>				
0041074486				
171816210A Cement-New Well Casing/Pi 12/03/2017 Cement- 8 5/8" Surface Casing				
A-Serv Lite	145.00	EA	7.15	1,036.75 T
60/40 POZ	110.00	EA	6.60	726.00 T
Celloflake	64.00	EA	2.04	130.24 T
Calcium Chloride	666.00	EA	0.58	384.61 T
"Top Rubber Cmt Plug, 8 5/8""	1.00	EA	123.75	123.75
"Unit Mileage Chg (PU, cars one way)"	85.00	MI	2.47	210.37
Heavy Equipment Mileage	170.00	MI	4.13	701.25
944 Prop & Bulk Del. Chgs, per ton mil	1.00	EA	1,297.32	1,297.32
Depth Charge; 0-500'	1.00	EA	550.00	550.00
Blending & Mixing Service Charge	255.00	BAG	0.77	196.35
Plug Container Util. Chg.	1.00	EA	137.50	137.50
"Service Supervisor, first 8 hrs on loc.	1.00	EA	96.25	96.25

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	5,590.39
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	170.82
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	5,761.21
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

TTHH
34

FIELD SERVICE TICKET
1718 16210 A

DATE _____ TICKET NO. _____

DATE OF JOB 12-3-17 DISTRICT PRATT		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER H3 Oil + Gas		LEASE GSX WELL NO. 1130							
ADDRESS		COUNTY SUMNER STATE KS							
CITY STATE		SERVICE CREW MATTAI MARRAI DILLON							
AUTHORIZED BY		JOB TYPE: 242 8 5/8 SUMNER							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
20920	.5						12-2-17	AM	7:10
								PM	
19860	.5							AM	12:18
								PM	
								AM	12:45
								PM	
								AM	1:30
								PM	
						MILES FROM STATION TO WELL	85		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: W. Datto Brown
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP106	A Solv lite	SV	145		1,885 00
CP103	60/100 P2	SV	110		1,320 00
CC102	cellulose	lb	64		236 80
CC109	Calcium chloride	lb	666		699 30
ER105	TOP RUBBER plug 8 5/8	EA	1		225 00
E100	P.U. miles	mi	85		382 50
E101	heavy eq milg	mi	170		1,275 00
E113	PROP + bulk del.	TM	944		2,358 75
CE200	depth chase 0-500'	44'	1		1,000 00
CE240	blend + mix	SV	255		357 00
CE504	PLUS CONT	JOB	1		250 00
S003	SUPERVISOR	EA	1		175 00
SUB TOTAL					10,104 35

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$
TOTAL JWL	
5,590 39	

SERVICE REPRESENTATIVE M. Datto Brown

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: W. Datto Brown
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

BASIC

energy services, L.P.

TREATMENT REPORT

Customer	K3 OIL + GAS	Lease No.		Date	12-3-17		
Lease	G S X	Well #	11-30				
Field Order #	10210	Station	Pratt	Casing	8 5/8	Depth	2132
				County	SUMNER	State	KS
Type Job	2042 8 5/8 SURFACE		Formation		Legal Description	30-335-03W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	8	Tubing Size		Acid	145 SA A	SEIV RATE	PRESS
Depth	2132	From	To	Pre Pad	3% CC	Max	.25 PPS CF
Volume	27.5	From	To	Pad	110 SA 60/40 P02		10 Min.
Max Press	300	From	To	Frac	3% CC 2% 301	Avg	.25 PPS CF
Well Connection	Annulus Vol.	From	To			HHP Used	Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	26.5	Gas Volume	Total Load

Customer Representative	Walt Brown	Station Manager	WESTERMAN	Treater	MATTAL
Service Units	8335	8498	20920	19960	19860
Driver Names	MATTAL	MATTAL		DILLON	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:10					ON LOCATION / SAFETY MEETING
10:20					Run 8 5/8 CSAG
12:00					CSAG ON BOTTOM #
12:09					HOOK TO CSAG / BREAK CIRC W. RIG
12:18	200		3	5	PUMP 3 BBL WATER
12:19	200		49	5	MIX 145 SAS A-SAVE LITE
12:30	200		24	5	MIX 110 SAS 60/40 P02
12:38					RELEASE PLUG
12:40	200			4	START DISPLACEMENT
12:45	200		26.5		PLUG DOWN / SHUT IN WELL CMT: TO SURFACE
					JOB COMPLETE
					THANK YOU!
					MIKE MATTAL
					EDWARD + DILLON



K3 Oil & Gas Operating Company
24900 Pitkin RD, STE 305
The Woodlands, TX 77386
Office 832-813-8558
Fax 832-234-0825

28 December, 2017

Mr. Paul Youngblood
GSX, Inc
10422 Pinto Lane
Enid, OK 73701

RE: GSX 11-30
2299' from South Line &
1512' from West Line, Section 30-T33S-R3W
Sumner County, Kansas

Dear Owners;

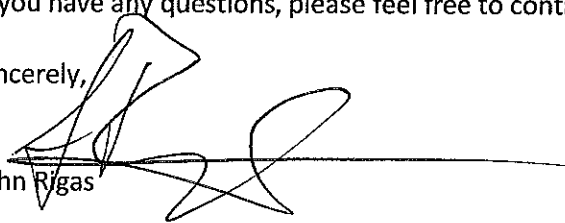
Per KCC requirements we are notifying you that the above named well was plugged on 12 December 2017. The Operator of the captioned well(s) is:

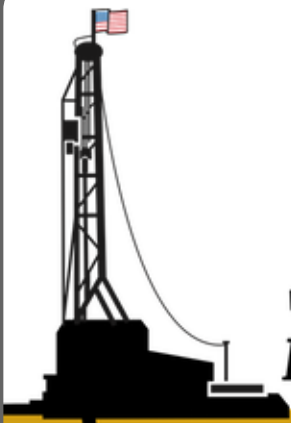
K3 Oil & Gas
24900 Pitkin Road
Suite 305
The Woodlands, TX 77386

I am enclosing a copy of the Well Plugging Application (Form CP-1) filed with the KCC.

If you have any questions, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'John Rigas', written over a horizontal line. The signature is stylized and somewhat abstract.
John Rigas



M CW L

Mid Continent Well Logging Service, Inc.

717 26th Ave NW, Norman, OK 73069

(405) 360-7333 | www.mcwlinc.com

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

Well Name: GSX 11-30

K3 Oil & Gas

API: 15-191-22798-00-00

Location: Section 30, T33S R3W, Sumner Co., Ks

License Number:

Region:

Spud Date: 12/2/2017

Drilling Completed: 12/10/2017

Surface Coordinates: 2,299' FSL, 1,512' FWL Of Section 30, T33S, R3W, Sumner Co., Ks
SW NW NE SW

Bottom Hole 2,299' FSL, 1,512' FWL Of Section 30, T33S, R3W, Sumner Co., Ks

Coordinates: SW NW NE SW

Ground Elevation (ft): 1,234'

K.B. Elevation (ft): 1,239'

Logged Interval (ft): 2,400' To: 4,664' Total Depth (ft): 2,264'

Formation: Simpson/Mississippi

Type of Drilling Fluid: Native Gels/Water

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

OPERATOR

Company: K3 Oil & Gas

Address: 24900 Pitkin Rd, Suite 305
The Woodlands, Texas 77386

GEOLOGIST

Name: Susan Rainbolt

Company: K3 Oil & Gas

Address: 24900 Pitkin Rd, Suite 305
The Woodlands, Texas 77386

Cores

DSTs

Comments

K3 Oil& Gas
24900 Pitkin Rd, Suite 305
The Woodlands, Texas 77386

WW Drilling Rig No. 4

Wellsite Managers:
Walter Brown

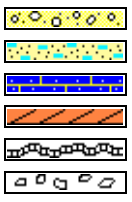
Directional Services: N/A
Daytime Directional Driller: N/A

MWD Engineers: N/A

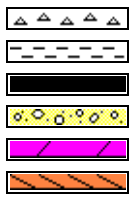
Mud-Co / Service Mud, Inc.:
Mud Engineer: Brad Bortz - (620) 793-2421

Mid Continent Well Logging Service, INC.; Norman, OK
Logging Unit: Jeb 1
Mcwl Box: Started With 1017 IR, Ended With 1017 IR
Loggers: Aaron King/Marquise Dotson
Called Out: 12/3/2017
Begin Logging @ 2,400' On 12/5/2017
Drilling Completed @ 4,664' MD on 12/10/2017

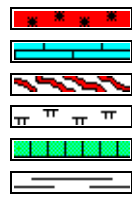
ROCK TYPES



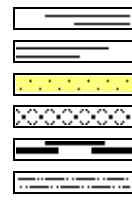
Qtz wash
Carb wash
Sndylm
Anhy
Bent
Brec



Cht
Clyst
Coal
Congl
Dol
Gyp



Igne
Lmst
Meta
Mrlst
Salt
Shale



Shcol
Shgy
Ss
Till
Hotsh
Slst

ACCESSORIES

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite

- Plant
- Strom

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp

- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

- Gyp
- Ls
- Mrst
- Ssstrg
- Sltstrg

TEXTURE

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

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol

OTHER SYMBOLS

POROSITY

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

SORTING

- Well
- Moderate
- Poor

OIL SHOW

- Even
- Spotted
- Ques
- Dead

EVENT

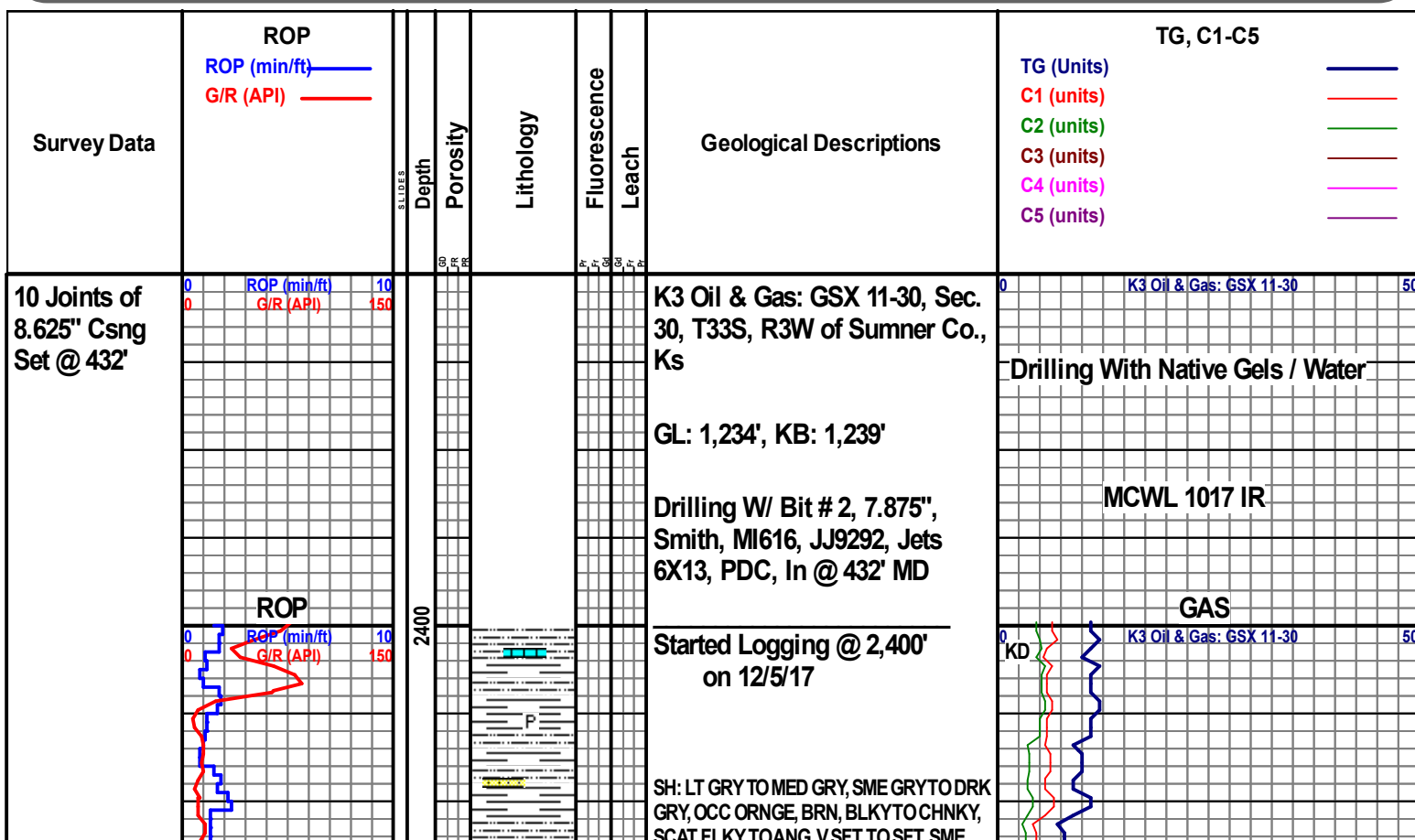
- Sidewall
- Rft
- Casing
- Sidewall

ROUNDING

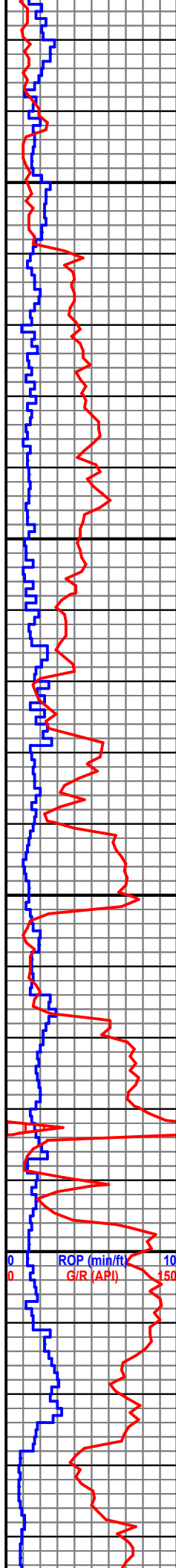
- Rounded
- Subrnd
- Subang
- Angular

INTERVAL

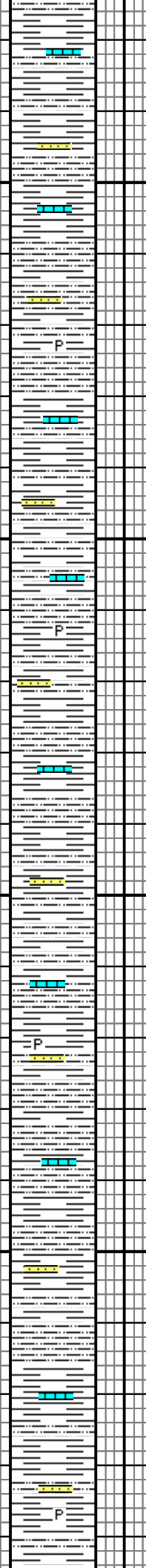
- Core
- Dst



COMP FERT, ORNG, VFN TXT, SME
MOD SFT, VFN TXT TO V SLTY TXT, TR SS,
TR LS, TR PYR, NO SHOWS



2450
2500
2550
2600

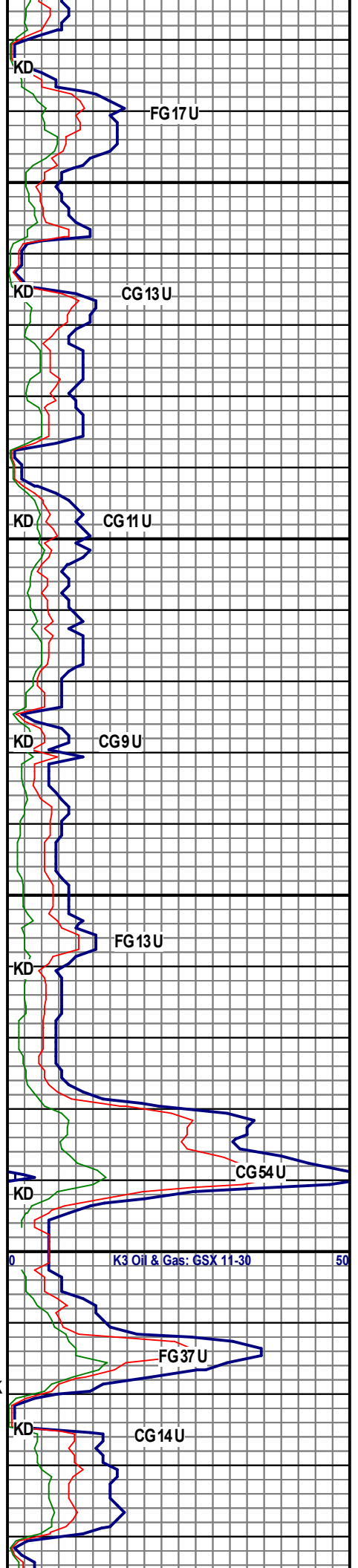


SH: GRY TO MED GRY, OCC LT GRY TO
DRL GRY, SCAT MED BRN TO ORNG,
SUBANG TO CHNKY, SME BLKY TO PLTY,
FN TXT TO V FN TXT, OCC SMTH TXT TO
SLTY TXT, TR OF PYR, TR OF SS, TR OF LS,
NO SHOWS

SH: PRED LT GRY TO MED GRY, SME GRY
TO DRK GRY, OCC BRN, SUBANG TO
BLKY, SME PLTY TO CHNKY, V SFT TO SFT,
SME MOD SFT TO SLI SFT, MED TXT TO FN
TXT, SCAT SLTY TXT, TR LS, TR SS, TR PYR,
NO SHOWS

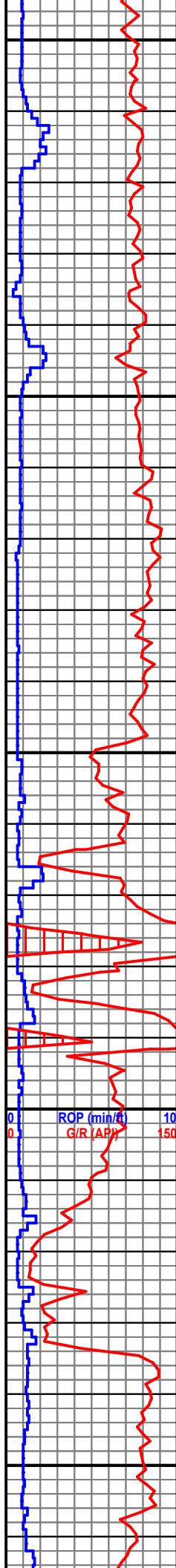
SH: GRY TO MED GRY, OCC LT GRY TO
MED BRN, SME ORNGE TO RED, BLKY TO
SUBANG, OCC PLTY TO CHNKY, SFT TO V
SFT, SME MOD SFT, V SLTY TXT TO FN TXT,
OCC MED TXT, TR PYR, TR LS, TR SS, NO
SHOWS

SH: GRY TO MED GRY, SME LT GRY TO DRK
GRY, OCC RED, BRN, BLKY TO PLTY, SCAT
FLKY TO ANG, V SFT TO SFT, SME SLI SFT,
VFN TXT TO V SLTY TXT, OCC SMTH
TXT, TR SS, TR PYR, TR LS, NO SHOWS

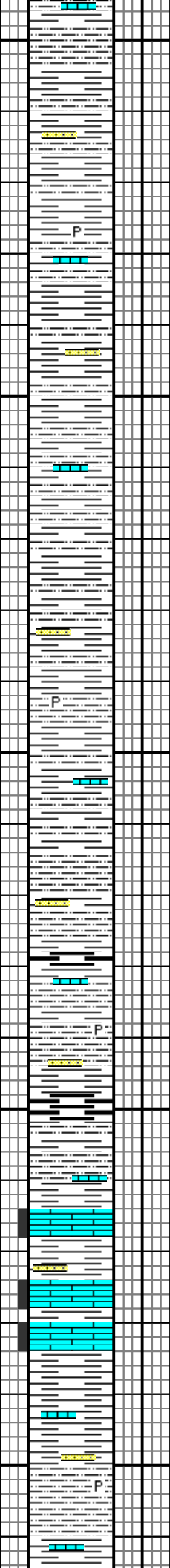


12/6/2017

DEVIATION SURVEY
@2,812' MD = 0.5°



2650
2700
2750
2800
2850



SH; LT GRY TO GRY, SME MED GRY TO DRK GRY, OCC LT BRN TO MED RED, BLKY TO CHKY, MOD SFT MOD SFT, SME V SFT, V FN TXT TO SLTY TXT, TR OF PYR, TR OF SS, TR OF LS, NO SHOWS

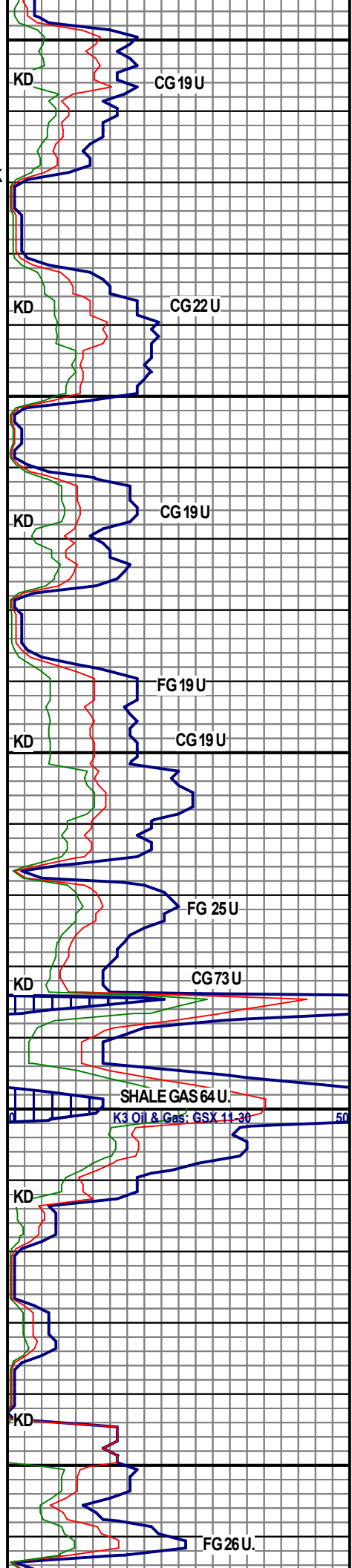
SH: MED GRY TO GRY, SCAT LT GRY TO DRK GRY, SME MED BRN, CHNKY TO BLKY, OCC PLTY, MOD SFT TO V SFT, SME SFT, SMTH TXT TO V SLTY TXT, OCC MED TXT TO FN TXT, TR LS, TR SS, TR PYR, NO SHOWS

SH: PRED LT GRY TO MED GRY, SME GRY TO DRK GRY, OCC BRN, SUBANG TO BLKY, SME CHNKY TO PLTY, V SFT TO SFT, SME MOD SFT TO SLI SFT, V FN TXT TO FN TXT, SME SLTY TXT, TR LS, TR SS, TR PYR, NO SHOWS

HEEBNER @ 2,788' MD,
(-1,549')

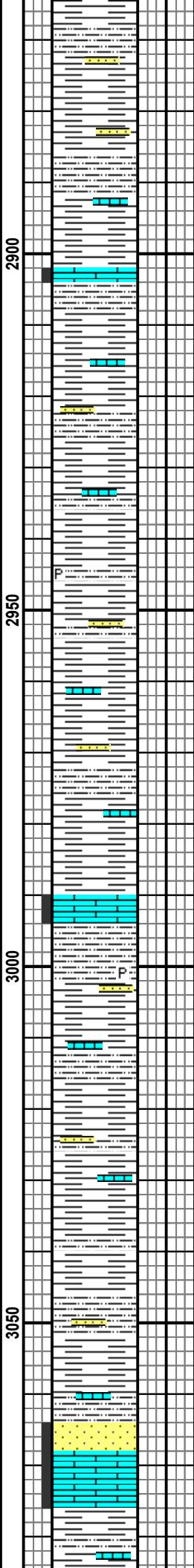
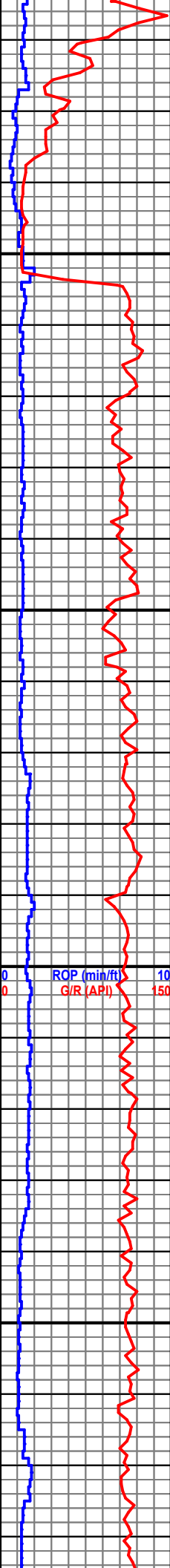
TOH FOR NEW BIT @
2,812' ON 12/6/2017

Drilling W/ Bit # 3, 7.875",
Smith, F27, RJ4211, Jets 3X15,
Tri-Cone, In @ 2,812'



KD CG19U
KD CG22U
KD CG19U
FG19U
KD CG19U
FG25U
KD CG73U
SHALE GAS 64U
K3 Oil & Gas: GSX 11-30
KD
KD
FG26U

MUD CHECK:
 DEPTH: 2,970'
 WT: 8.8
 VIS: 69
 PV: 20
 YP: 20
 GEL: 15/44
 H2O: 96.7%
 SOL: 3.3%
 OIL: 0.0%
 APIFIL: 9.0
 PH: 12.0
 CA: 80
 CL: 4,000



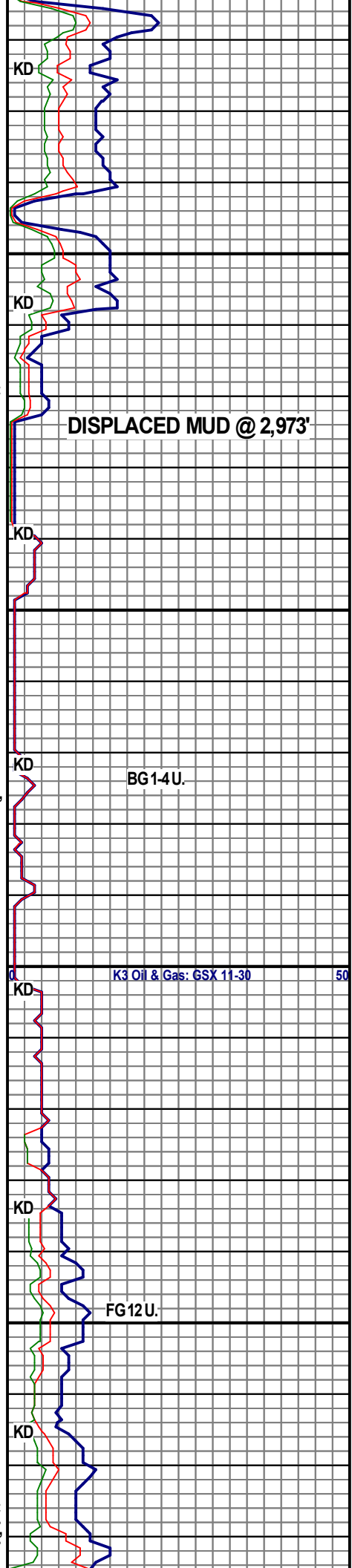
SH: PRED LT GRY-MED GRY, OCC LT BRN-DULL ORNG, MSTLY BLKY-PLTY, OCC FLKY, OCC CHNKY, OCC SPLNTRY, MOD SFT-SLI FRM, OCC BRIT-FRI, OCC CHLKY, V SLTYTXT SCAT THRU OUT, TR SS, TR PYR, NO SHOWS.

SH: PRED MED GRY, SME LT GRY-DRK GRY, TR BLK, TR V LT RED-V LT ORNG, MSTLY BLKY, SME PLTY, OCC CHNKY, OCC SPLNTRY, TR SUBANG-ANG, MOD SFT-SLI FRM, OCC SLI HRD, OCC V BRIT-FRI, TR CHLKY, SCAT CALC INCLS THRU OUT, TR SS, TR MRLSTN, NO SHOWS.

SH: PRED LT GRY-MED GRY, OCC DRK GRY, OCC LT RED-LT BRN, TR ORNG, MSTLY BLKY-PLTY, OCC FLKY, OCC CHNKY, OCC SPLNTRY, MOD SFT-SLI FRM, OCC BRIT-FRI, OCC CHLKY, V SLTYTXT SCAT THRU OUT, TR SS, TR PYR, NO SHOWS.

SH: PRED MED GRY, SME LT GRY, OCC DRK GRY, TR RED-LT BRN, MSTLY BLKY, SME PLTY, OCC CHNKY, OCC SPLNTRY, MOD FRM, SME SLI SFT, OCC CHLKY, OCC FRI-BRIT, V TR AMNTS OF CALC INCLD, TR SS, TR LS, NO SHOWS.

LS: PRED LT CRM, SME BLUFF, OCC OFF WHT-LT GRY, MSTLY BLKY, MOD HRD-V HRD, OCC CRMBLY, OCC FRI-BRIT, TR CHLKY, OCC HL FRAC POR, OCC VUG POR, TR SS, NO SHOWS, SH: PRED MED GRY, SME LT GRY, MSTLY BLKY-PLTY, OCC CHNKY, OCC SPLNTRY, MOD HRD-SLI SFT, OCC V SFT-FRI, OCC BRIT, SCAT SLTYTXT THRU OUT



DISPLACED MUD @ 2,973'

BG14U.

FG12U.

K3 Oil & Gas: GSX 11-30

THRU OUT.
**STALNAKER @ 3,097' MD,
(-1,858')**

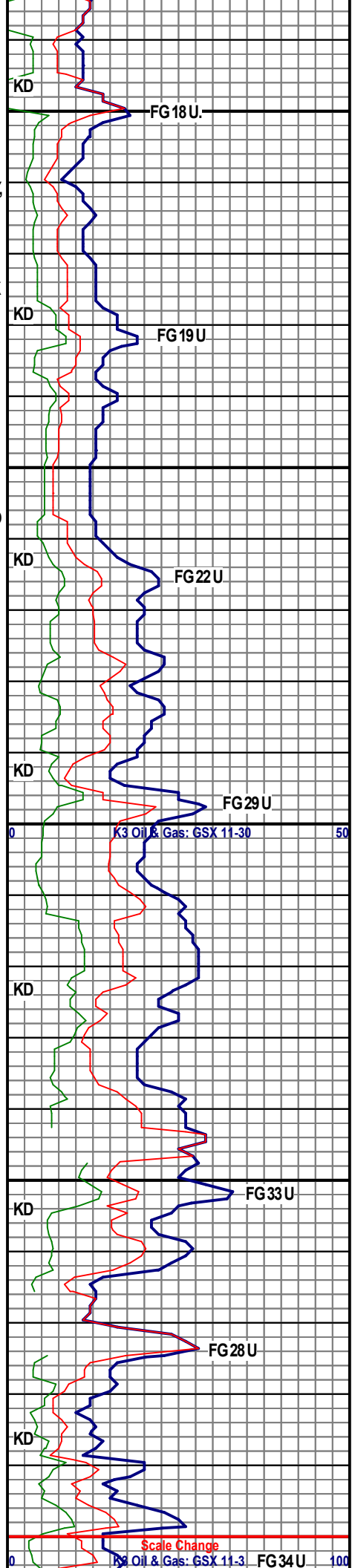
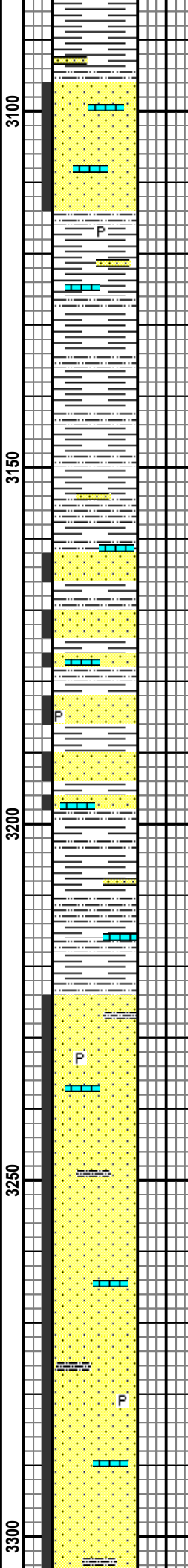
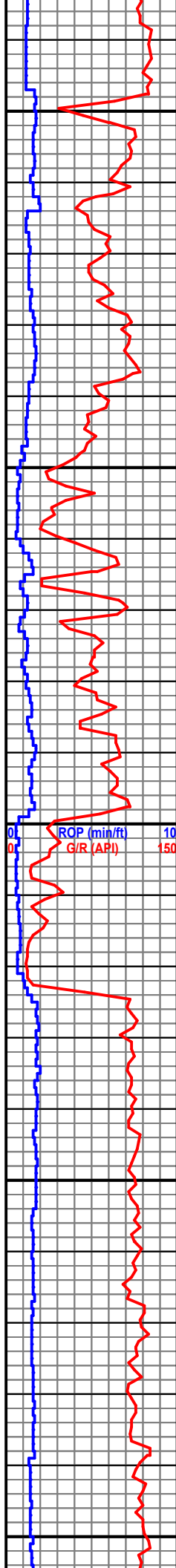
SS: PRED LT GRY-OFF WHT, SME V LT GRY, TR CRM, MSTLY BLKY, SME CHNKY, OCC SUBANG-ANG, TR PLY, MOD HRD, SME V HRD, OCC V BRIT, TR CRMBLY, TR CALC INCLS, TR PYR, TR LS, TR SLTST, NO SHOWS, SH: PRED MED- LT GRY, OCC DRK GRY, MSTLY BLKY, SME PLY, OCC SLI RND, MOD SFT-M SLI FRM, OCC HRD, OCC V BRIT-FRI, TR CHLKY, V SLTYTXT THRU OUT.

SS: OFF WHT, TO LT GRY, OCC WHT TO GRY, SME V LT GRY, CRM, PRED CHNKY TO SUBANG, SME ANG TO BLKY, HRD TO MOD HRD, OCC V HRD, SME BRIT, ASPHC RES, SLTST: MED GRY TO GRY, SME DRK GRY, PLY TO BLKY, OCC CHNKY, SME RND, MOD SFT TO SLI SFT, SCAT SFT, MED TXT, TO FN TXT, NO SHOW, TR OF LS, TR OF PYR

SS: LT GRY TO OFF WHT, SCAT TAN TO CRM, OCC V LT GRY, MSTLYANG TO CHNKY, OCC SUBANG, V HRD TO HRD, SME BRIT, MOD HRD, ASPHC RES, SLTST: MED GRY TO GRY, SME LT GRY, PLY TO BLKY, OCC CHNKY, SLI SFT TO MOD SFT, SME SFT, V FN TXT TO FN TXT, TR OF LS, TR OF PYR,

SS: TAN TO OFF WHT, OCC V LT GRY TO GRY, SME CRM, CHNKY TO BLKY, OCC RND TO SUBANG, MOD HRD TO V HRD, SCAT HRD, TR ASPHC RES, TR PYR, TR SLTST

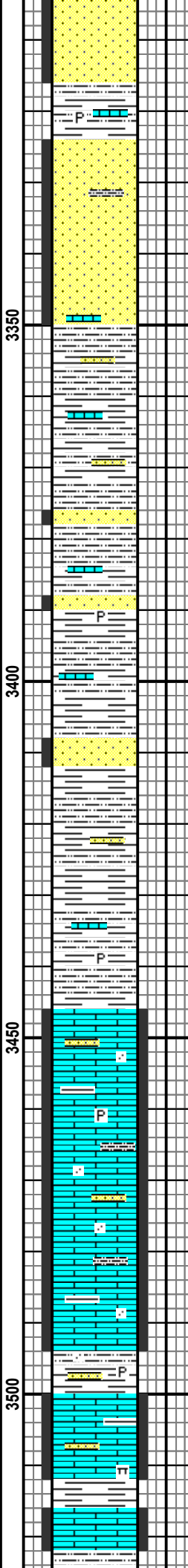
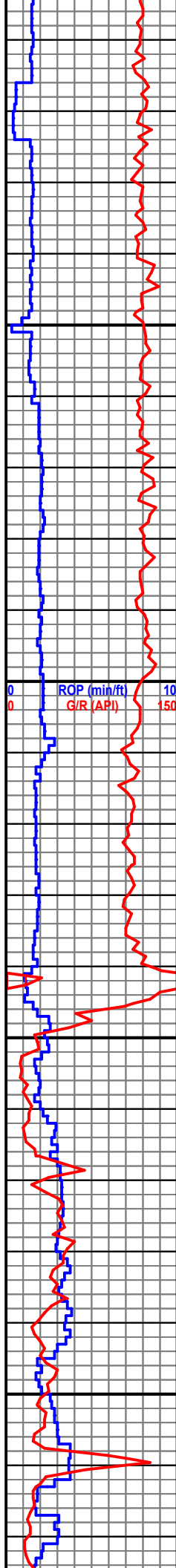
SS: CRM TO OFF WHT, OCC LT GRY TO



K3 Oil & Gas: GSX 11-30 0 50

Scale Change K3 Oil & Gas: GSX 11-3 0 100

12/7/2017



GRY, SME V LT GRY, CRM, PRED CHNKY TO SUBANG, SME ANG TO BLKY, HRD TO MOD HRD, OCC V HRD, SME BRIT, ASPHC RES, SLTST: GRY TO MED GRY, SME LT GRY, CHNKY TO BLKY, OCC PLTY, SME FLKY, MOD SFT TO SLI SFT, SCAT SFT, MED TXT, TO FN TXT, NO SHOW, TR OF LS, TR OF PYR

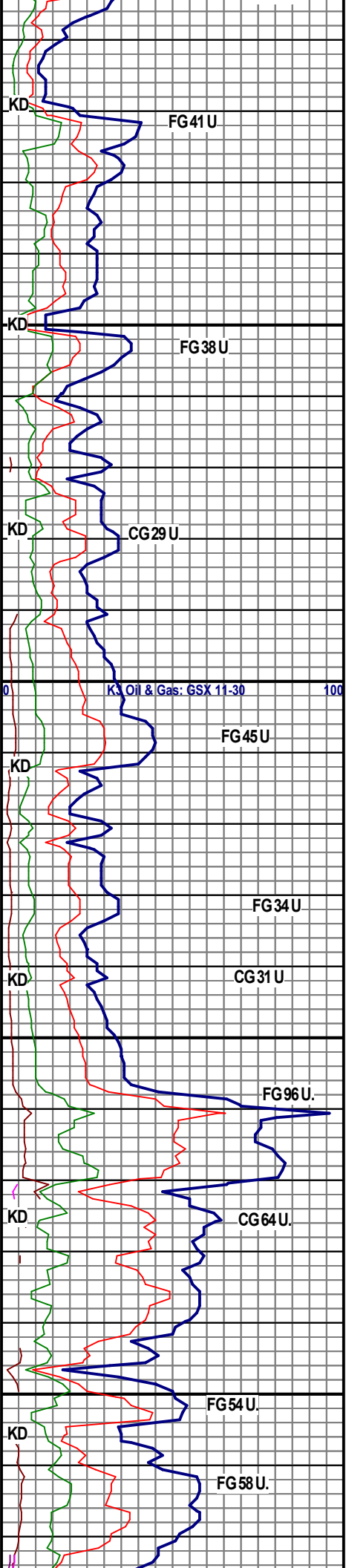
SLTST: MED GRY TO GRY, SME DRK GRY TO LT GRY, SLI SFT TO MOD SFT, OCC SLI FRM, SME BRIT, PLTY TO CHNKY, OCC BLKY TO ANG, SLTY TXT TO V FN TXT, TR OF SS, TR OF LS, TR OF PYR

SLTST: GRY TO MED GRY, SCAT LT GRY TO DRK GRY, MOD SFT TO SLI FRM, OCC V SFT TO SLI SFT, BLKY TO CHNKY, SME PLTY TO ANG, FN TX TO V FN TXT, SCAT V SLTY TXT, TR SS, TR LS, TR PYR,

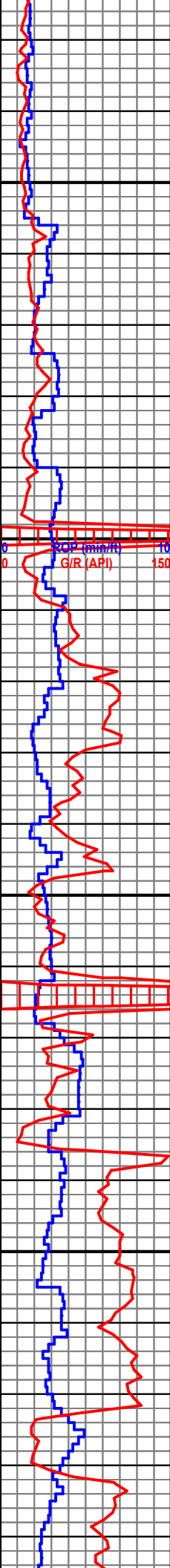
LANSING / KANSAS CITY @ 3,446' MD, (-2,207')

LS: PRED OFF WHT- WHT, SME CRM, OCC LT TN- V LT GRY, TR BUFF, MSTLY BLKY, SME CHNKY, OCC PLTY, OCC FLKY, MOD HRD- V HRD, OCC SLI CRMBLY, OCC BRIT- FRI, TR CHLKY, MED XLN, OCC HC STNG, TR ASPHC RESD, PR FRAC POR, TR PYR, TR SS, PR LT GLD FLOR, NO SHOWS, SH: PRED MED GRY- LT GRY, MSTLY PLTY, MOD SFT- SLI FRM, OCC SLTY TXT.

LS: PRED WHT- V LT TN, SME V LT CRM, OCC OFF WHT, OCC LT GRY, MSTLY BLKY, SME CHNKY, OCC FLKY, OCC PLTY, MOD HRD, SME V HRD- V DNSE, OCC CRMBLY, TR CHLKY, SCAT FRAC POR, TR SS, TR MRI STN, PR I T G I D E I OR, NO SHOWS



MUD CHECK:
 DEPTH: 3,557
 WT: 9.1
 VIS: 49
 PV: 14
 YP: 14
 GEL: 11/32
 H2O: 94.6%
 SOL: 5.4%
 OIL: 0.0%
 APIFIL: 9.0
 PH: 11.5
 CA: 80
 CL: 4,500



3550
3600
3650
3700



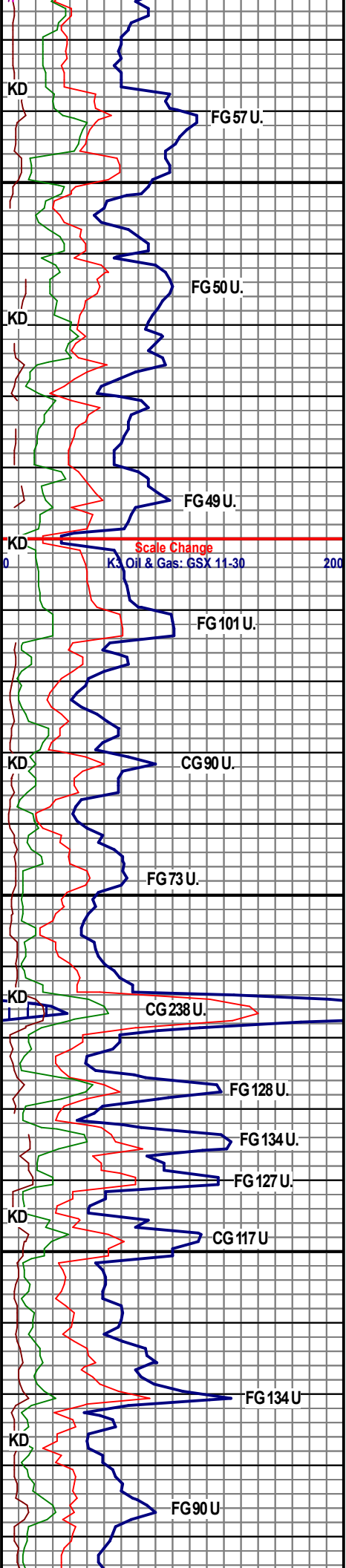
SH: PRED MED GRY, SME DRK GRY, OCC LT GRY, MSTLY PLTY-BLKY, OCC CHNKY, TR SPLNTRY, MOD FRM, OCC CHLKY, OCC FRI, V SLTY TXT THRU OUT.

LS: MSTLY CRM-LT TN, TR MOT OFF WHT-OFF WHT, BLKY, OCC PLTY, MOD FRM-SLI FRM, SME BRTL, MIC FN XLN-V FN XLN, SME HL FRAC, OCC FRAC POR, TR MRLSTN, TR SS, PR LT YEL-DULL GLD FLOR, NO SHOWS, SH: PRED MED GRY, SME LT GRY, MSTLY BLKY-PLTY, MOD SFT-SLI FRM, SCAT BRIT, OCC SLTYTXT.

LS: PRED MED CRM, SME LT TN, OCC OFF WHT-WHT, TR BUFF, TR VLT GRY, MSTLY PLTY-BLKY, OCC FLKY, OCC CHNKY, MOD HRD-V HRD, OCC SLI CRMBLY, TR CHLKY, PR SCAT HL FRAC POR, OCC AREN CONT, TR MRLSTN, PR LT GLD-DULL YEL FLOR, NO SHOWS, SH: PRED MED GRY, MSTLY BLKY-PLTY, OCC SPLNTRY, MOD SFT-SLI FRM, SLTY.

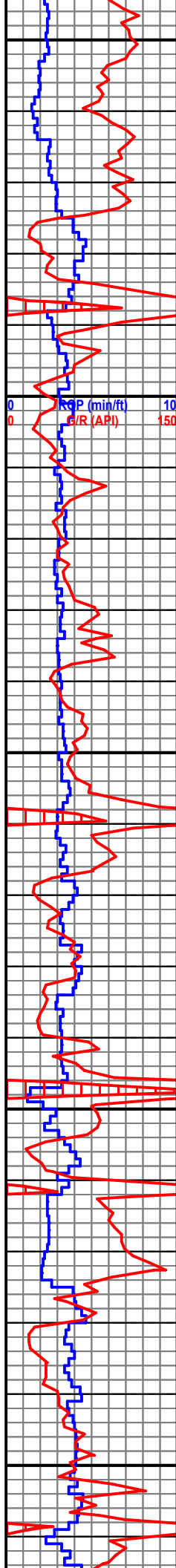
LS: PRED MED CRM, SME LT CRM-LT TN, OCC MED TN-OFF WHT, TR WHT, TR BUFF, MSTLY BLKY, SME FLKY, OCC CHNKY, OCC PLTY, MOD HRD, SME V HRD-BRIT, TR FRI, TR CHLKY, V TR AMNTSASPHC RESD, TR ARG INCLS, PR HL FRAC POR, TR AREN CONT, TR MRLSTN, PR LT YEL-FNT GLD FLOR, NO SHOWS, SH: PRED MED GRY-LT GRY, MSTLY BLKY-PLTY, MOD SFT-SLI FRM, TR HRD, SLI SLTYTXT THRU OUT.

LS: MSTLY TAN TO CRM, SME MOTT CRM TO OFF WHT, OCC MED GRY TO GRY, BLKY TO PLTY, SME CHNKY. V HRD TO HRD SME BRIT TO MOD HRD, SLTST: MED GRY TO DRK GRY, SME GRY, BLKY TO RND, MOD FRM TO SLI FRM, OCC SLI SFT, FN TXT TO SMTH TXT, TR SS, TR PYR, TR MRLST, FR GLD YEL FLOR, NO SHOWS

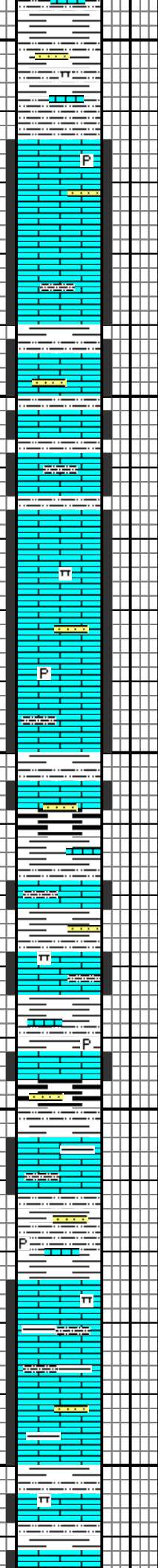


Scale Change
 K3 Oil & Gas: GSX 11-30

12/8/2017



3750
3800
3850
3900
3950



**MARMATON @ 3,764' MD,
(-2,525')**

LS: MOTT CRM TO TAN, OCC OFF WHT TO GRY, BLKY TO CHNKY, SCAT PLTY TO FLKY, HRD TO V HRD, SME MOD HRD TO V FRM., OCC BRIT, SLTST: MED GRY TO GRY, SME DRK GRY TO LT GRY, SLI FRM TO MOD SFT, OCC MOD FRM, CHNKY, TO SUBANG, SME ANG TO RND, PRED FN TXT TO V FN TX, OCC MED TXT, TR OF PYR, TR OF SS, TR OF MRLST, PR DUL MLKY YEL CUT, SPTTY GLD YEL RES RNG

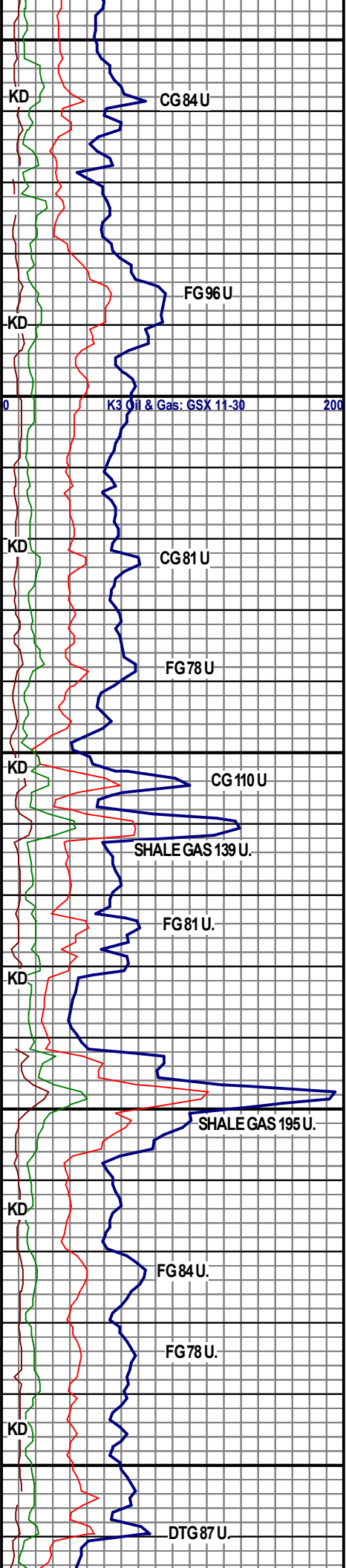
LS: LT GRY TO MOTT CRM, SME GRY TO CRM, FLKY TO BLKY, OCC PLTY, TO CHNKY V FRM TO HRD, SME BRIT, TR V HRD, TR SLTST, TR PYR, TR SS, TR MRLST GD YEL GLD FLOR, NO SHOWS

LS: PRED MED CRM, SME LT TN- OFF WHT, TR WHT, MSTLY BLKY, SME PLTY, OCC FLKY, OCC CHNKY, MOD HRD- V HRD, SME SLI BRIT- FRI, OCC CRMBLY, OCC CHLKY, MED XLN, SCAT AREN TXT, TR ARG INCLS, SCAT PR HL FRAC POR, TR SS, TR MRLSTN, TR PYR, PR LT GLD FLOR, NO SHOWS, SH: PRED MED GRY, SME LT GRY, MSTLY PLTY, MOD SFT- SLI FRM, SLTY, CHLKY.

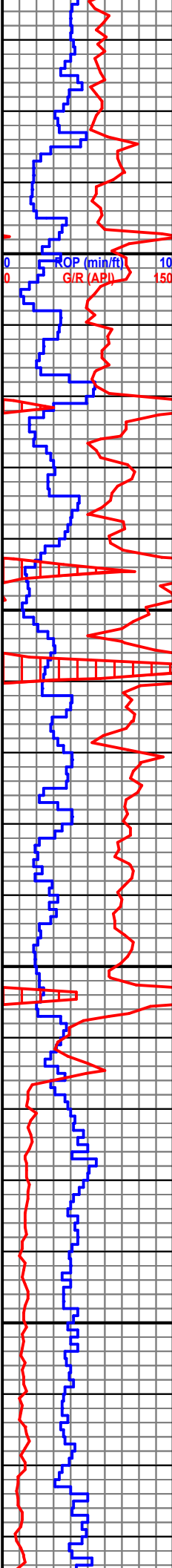
**CHEROKEE @ 3,896' MD,
(-2,657')**

LS: PRED OFF WHT- VLT TN, SME V LT CRM- VLT GRY, OCC MED TN, OCC LT GRY, TR WHT, MSTLY BLKY, SME CHNKY, OCC FLKY, OCC PLTY, MOD HRD, SME V HRD- V DNSE, OCC CRMBLY, TR CHLKY, SCAT HL FRAC POR, TR SS, TR MRLSTN, TR PYR, NO SHOWS, SH: PRED MED GRY, SME DRK GRY, OCC LT GRY, MSTLY PLTY- BLKY, OCC CHNKY, TR SPLNTRY, MOD FRM, OCC CHLKY, OCC FRI, SLI SLTY TXT THRU OUT.

LS: PRED OFF WHT- MED CRM, SME BUFF,



MUD CHECK:
 DEPTH: 4,019'
 WT: 9.3
 VIS: 50
 PV: 16
 YP: 16
 GEL: 13/45
 H2O: 93.2%
 SOL: 6.8%
 OIL: 0.0%
 APIFIL: 9.6
 PH: 11.5
 CA: 80
 CL: 4,000



4000
4050
4100
4150



OCC MED TN, TR WHT, MSTLY BLKY, SME FLKY, OCC PLTY, OCC CHNKY, MOD HRD, SME V DNSE, OCC FRI, OCC CRMBLY, TR CHLKY, MED XLN, PR INTERXLN POR, PR HL FRAC POR THRU OUT, TR MRLSTN, TR SS, TR PYR, NO SHOWS, SH: PRED MED GRY, SME LT GRY, MSTLY BLKY-PLTY, MOD SFT-SLI FRM, OCC FRI, SLTYTXT THRU OUT.

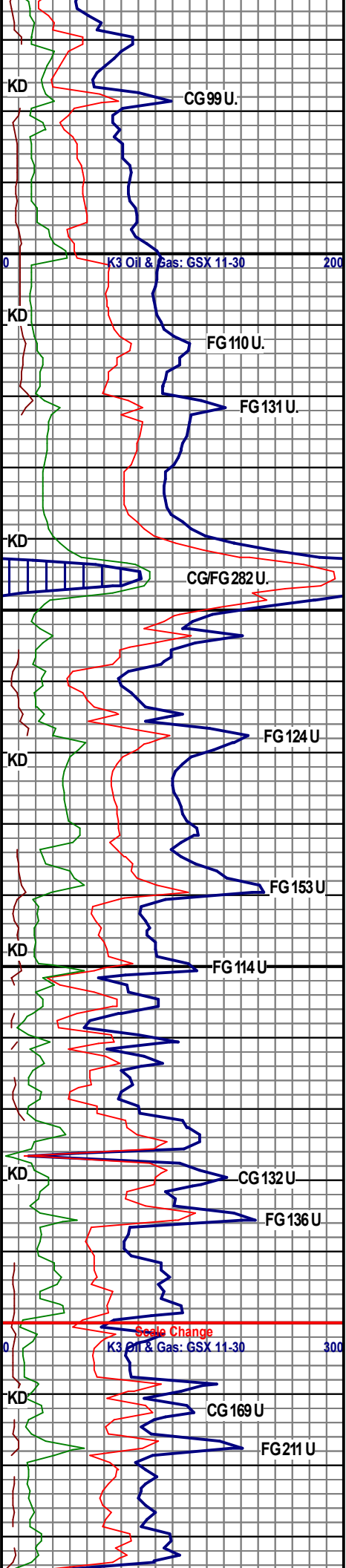
LS: PRED WHT-V LT TN, SME V LT CRM, OCC OFF WHT, OCC LT GRY, MSTLY BLKY, SME CHNKY, OCC FLKY, OCC PLTY, MOD HRD, SME V HRD-V DNSE, OCC CRMBLY, TR CHLKY, SCAT FRAC POR, TR MRLSTN, TR PYR, TR SS, NO SHOWS, SH: PRED MED GRY, SME DRK GRY, OCC LT GRY, MSTLY PLTY-BLKY, OCC CHNKY, TR SPLNTRY, MOD FRM, OCC CHLKY, OCC FRI, V SLTY TXT THRU OUT.

LS: PRED OFF WHT, SME MED CRM, OCC LT TN-MED TN, TR WHT, MSTLY BLKY, SME CHNKY, OCC PLTY, OCC FLKY, MOD HRD-V HRD, SME V DNSE, OCC SLI CRMBLY, TR CHLKY, MED XLN, RGH TXT, OCC ARG INCLS, TR PYR INCLS, TR CHRT, SLI AREN CONT SCAT THRU OUT, TR MRLSTN, NO SHOWS, SH: MED-DRK GRY, OCC YEL, OCC RED, PLTY, MOD SFT-SLI FRM, SLTY.

MISS. @ 4,106', (-2,867')

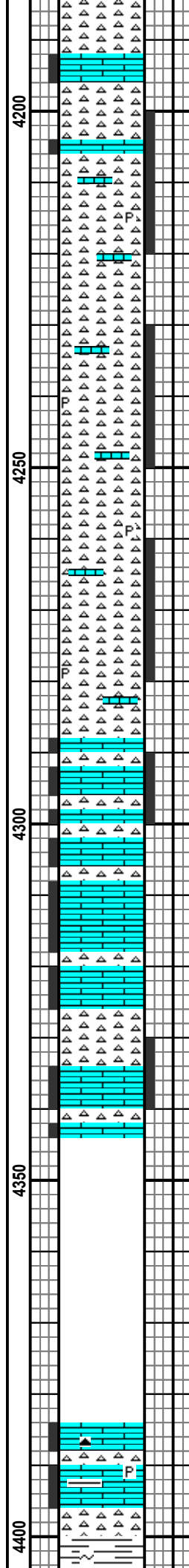
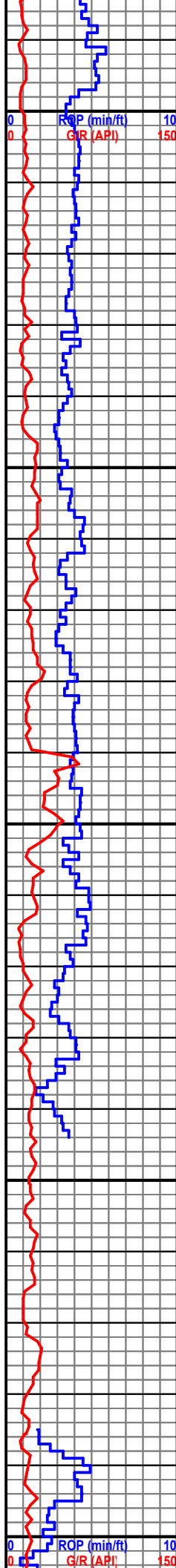
LS: MSTLY MOTT CRM TO OFF WHT, SME TAN TO CRM, PLTY TO BLKY, SCAT CHNKY, MOD FRM TO HRD, SME V HRD TO SLI HRD, TR BRIT, CHT: DRK GRY TO MED GRY, SME CHNKY, BLKY TO CHNKY, V HRD TO HRD, OCC MOD HRD, TR OF PYR, TR OF SS, PR SCAT GLD YEL FLOR, NO SHOWS

LS: MOTT CRM TO TAN, OCC OFF WHT TO GRY, BLKY TO CHNKY, SME PLTY, HRD TO V HRD, SME MOD HRD TO V FRM, OCC BRIT, SH: PRED LT GRY TO MED GRY, SME GRY TO DRK GRY, OCC BRN, SUBANG TO BLKY, SME CHNKY TO PLTY, V SFT TO SFT, SME MOD SFT TO SLI SFT, V FN TXT TO FN TXT, SCAT SLTYTXT, NO SHOWS



MUD CHECK:
 DEPTH: 4,310'
 WT: 9.2
 VIS: 48
 PV: 13
 YP: 14
 GEL: 14/48
 H2O: 93.9%
 SOL: 6.1%
 OIL: 0.0%
 APIFIL: 10.8
 PH: 11.5
 CA: 80
 CL: 4,500

LOST POWER TO
 THE RIG @ 4,344'
 MD. DOWNTIME =
 APPROX. 2 HRS.



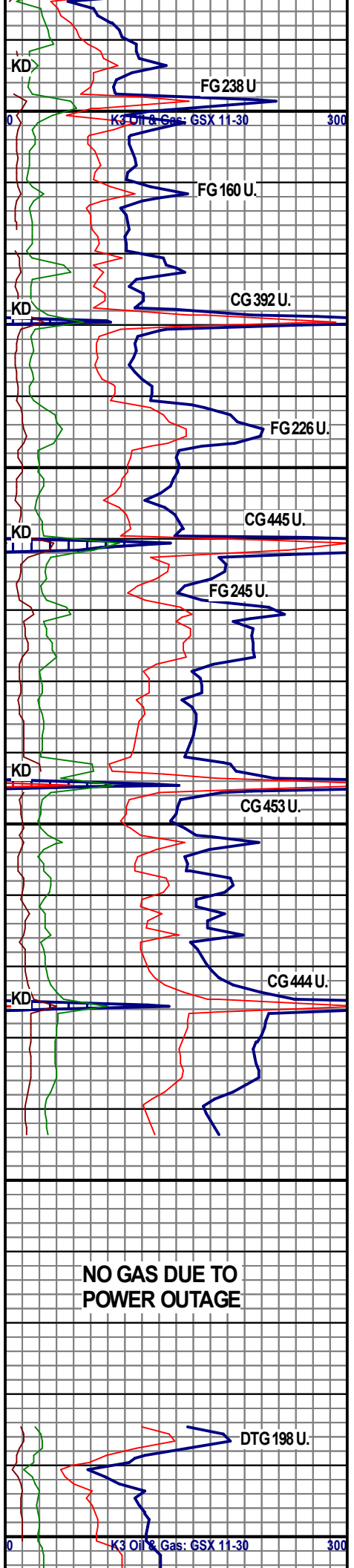
CHRT: PRED WHT-DRTY OFF WHT, MSTLY BLKY, SME CHNKY, OCC SUBANG- ANG, MOD HRD- V HRD, V DNSE, TR WTHRD, TR ASPHC RESD, TR HC STNG, TR EMBD PYR, TR CALC INCLS, V PR LT GLD FLOR, V PR MLKY WHT- FNT GN SLO CUT, NO RESD RNGS.

CHRT: PRED MED GRY, SME LT GRY-OFF WHT, OCC DRTY LT TN, MSTLY BLKY, SME CHNKY, OCC PLTY, OCC SUBANG, MOD HRD- V HRD, OCC BRIT, V TR AMNTS WTHRD, TR CALC INCLS, TR ASPHC RESD, TR EMBD PYR, V PR LT GLD- DULL YEL FLOR, V PR MLKYWHT SLO CUT, NO RESD RNGS.

LS: PRED OFF WHT- DRTY LT BRN, MSTLY BLKY, SME PLTY, OCC FLKY, MOD HRD- V HRD, OCC BRIT- FRI, OCC CRMBLY, TR AREN TXT, V PR HL FRAC POR, CHRT: PRED DRTY OFF WHT- V LT BRN, SME WHT- LT CRM, MSTLY CHNKY, OCC SUBANG, OCC PLTY, MOD HRD- V HRD, V BRIT, V DNSE, V TR AMNTS WTHRD, V TR AMNTS PYR INCLD, TR CALC EMBDS, V PR LT GLD FLOR, V PR MLKY WHT SLO CUT, NO RESD RNGS.

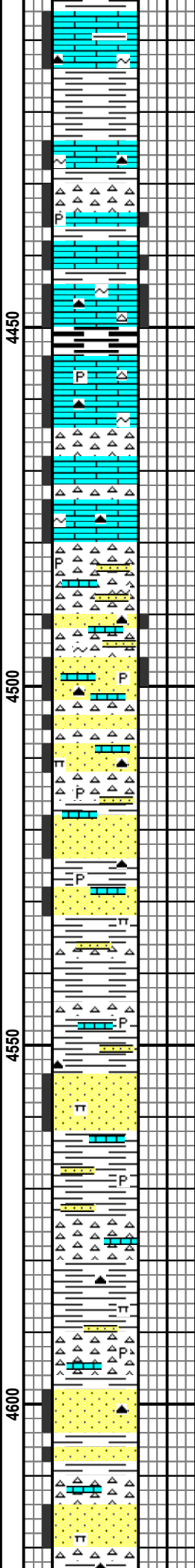
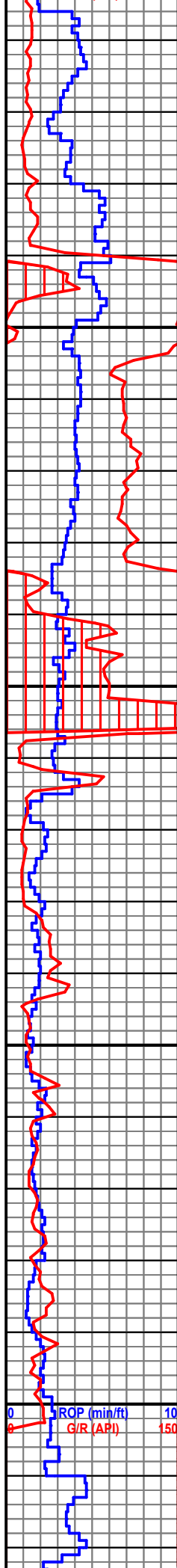
NO SAMPLE DUE TO POWER OUTAGE

LS: OFF WHT TO MOTT CRM, OCC WHT TO TAN, PRED CHNKY TO BLKY, SCAT PLTY TO SUBANG, TR OF FLKY, MOD HRD TO V HRD, SME FRM TO V FRM, OCC BRIT, SH: DRK GRY TO MED GRY, OCC GRY, MOD SFT TO SLI FRM. PLTY TO BLKY, SME CHNKY.



12/10/2017

MUD CHECK:
DEPTH: 4,620'
WT: 9.3
VIS: 60
PV: 16
YP: 19
GEL: 14/52
H2O: 93.2%
SOL: 6.8%



SMTH TXT TO VFN TXT, TR CHT, TR PYR,
PR DUL YEL GLD FLOR, SLO DUL MLKY
WHT CUT, NO RES RNG

**KINDERHOOK @ 4,423',
(-3,184')**

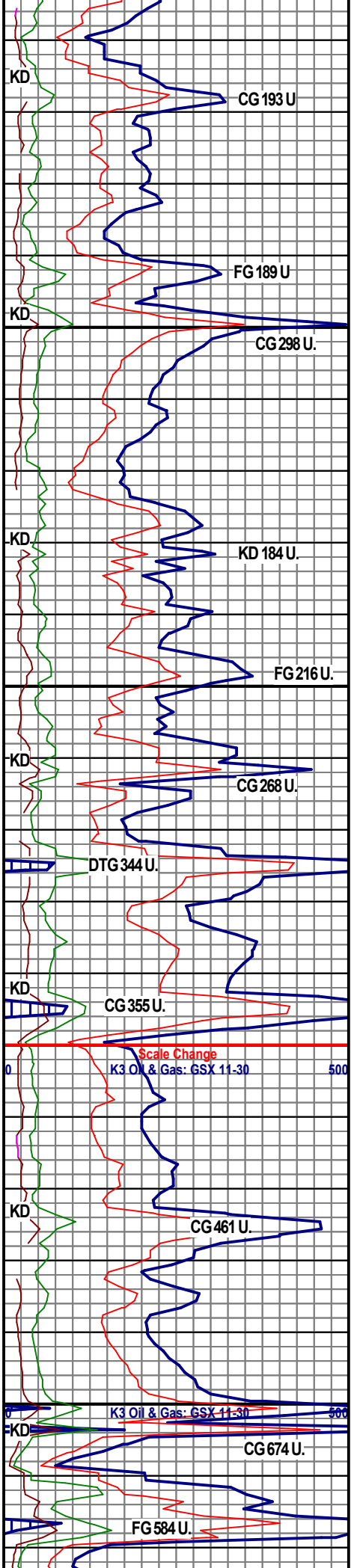
LS: PRED DRTY WHT-OFF WHT, OCC CRM,
TR WHT, MSTLY BLKY, SME PLTY, OCC
CHNKY, MOD HRD- VHRD, OCC CRMBLY,
TR CHLKY, TR PYR INCLS, TR AREN CONT,
TR GLAU, PR INTERXLN POR, TR CARB
SH, CHRT: PRED MED GRY, SME WHT, OCC
V LT GRY, MSTLY BLKY, SME CHNKY, OCC
SUBANG, MOD HRD- VHRD, VDNSE, OCC
V BRIT, V TR AMNTS WTHRD, TR PYR
INCLS, TR GLAU EMBD, V PR LT YEL- FNT
GLD FLOR, NO SHOWS.

**SIMPSON @ 4,487' MD,
(-3,248')**

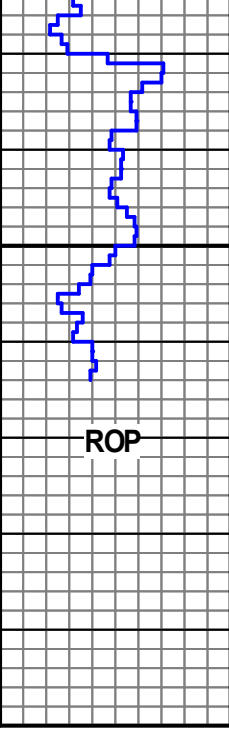
SS: PRED DRK BRN, SME LT TN, MSTLY
BLKY, OCC SUBANG- SUBRND, MOD HRD-
VHRD, OCC VDNSE, V PR INTERGRAN
POR, CHRT: PRED WHT- DRTY OFF WHT,
SME MED GRY, TR V LT GRY- TRNSL WHT,
MSTLY BLKY- CHNKY, MOD HRD- VHRD,
OCC VDNSE, TR V BRIT, TR PYR INCLS, TR
CALC STRGRS, TR MRLSTN, NO SHOWS.

SS: PRED V DRK BRN, SME V DRK GRY, TR
CRM, MSTLY BLKY, SME CHNKY, OCC
SUBANG- ANG, TR PLTY, MOD HRD, SME V
HRD, OCC V BRIT, TR CRMBLY, TR CALC
INCLS, TR PYR, TR LS, TR MRLSTN, CHRT:
PRED V LT GRY- MED GRY, SME DRK GRY,
TR WHT, MSTLY BLKY,

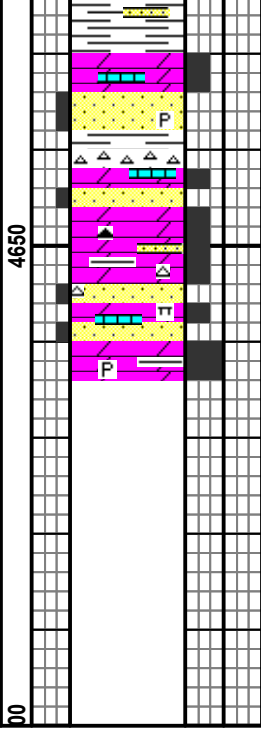
SS: PRED V LT TN- V LT GRY, SME LT GRY,
OCC OFF WHT, MSTLY BLKY, SOME
SUBANG- SUBRND, MOD HRD, SME
CRMBLY, OCC VDNSE, TR ARG INCLS, TR
PYR INCLS, TR CALC CMNT, TR SIL CMNT,
TR TR V DRK MIN CHRT, NO SHOWS.



SOL: 6.8%
OIL: 0.0%
APIFIL: 10.4
PH: 11.5
CA: 80
CL: 4,500



ROP



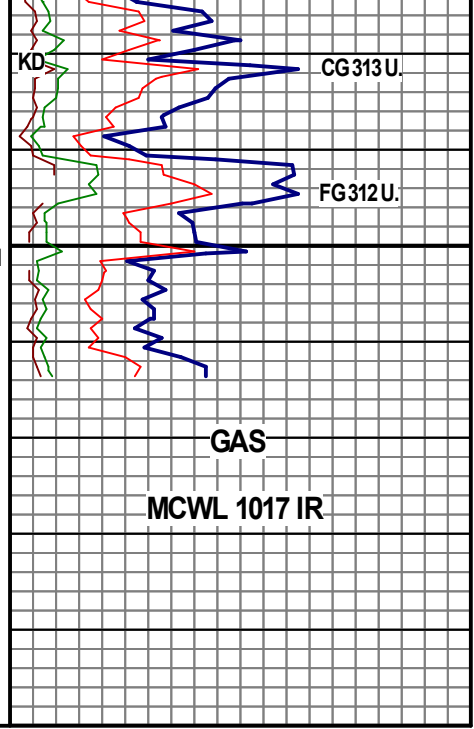
**ARBUCKLE @ 4,630' MD,
(-3,391')**

DOL: PRED WHT- LT GRY, SME OFF WHT,
MSTLY BLKY, MOD HRD- VHRD, MSTLYV
DNSE, OCC SUCRO, MED XLN, TR SS, TR
MRLSTN, TR PYR, TR CHRT, TR SH, FR- SLI
GD BRT YEL- GLD FLOR, NO SHOWS.

**DRILLERS TD OF 4,664'
MD ON 12/10/2017**

**K3 Oil & Gas: GSX 11-30, Sec.
30, T33S, R3W of Sumner Co.,
Ks**

GL: 1,234', KB: 1,239'



GAS

MCWL 1017 IR