

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	Bear Petroleum, LLC
Well Name	NIEDEREE 1
Doc ID	1672729

All Electric Logs Run

Dual Induction
Compensated Density/Neutron
Micro
Gamma Ray CCL

Form	ACO1 - Well Completion
Operator	Bear Petroleum, LLC
Well Name	NIEDEREE 1
Doc ID	1672729

Tops

Name	Top	Datum
Anhydrite	1278	+1912
Chase	2262	+928
Heebner	3694	-504
Lansing	3766	-576
Ft Scott	4196	-1006
Cherokee	4252	-1062
Mississippi	4330	-1140
Kinderhook	4394	-1204
Viola	4436	-1246
TD	4602	-1412





NEW WELL *Surfge*  
FIELD ORDER

N° C \_\_\_\_\_ 60594

BOX 438 - HAYSVILLE, KANSAS 67060  
316-524-1225

DATE 25-Jun 20 22

IS AUTHORIZED BY: BEAR PETROLEUM (NAME OF CUSTOMER)

Address \_\_\_\_\_ City \_\_\_\_\_ State KS

TO TREAT WELL AS FOLLOWS Lease NIEDEREE Well No. 1 Customer Order No. \_\_\_\_\_

Sec. Twp. \_\_\_\_\_ Range \_\_\_\_\_ County PAWNEE State KS

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED \_\_\_\_\_ By \_\_\_\_\_  
Well Owner or Operator Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
20.0002	90	Mileage P. T.	\$6.00	\$540.00
20.0005	1	Pump Charge Surface	\$1,150.00	\$1,150.00
20.1001	300	Common Cement Sack	\$16.25	\$4,875.00
20.1002	300	60/40 Poz 2% Gel	\$13.00	\$3,900.00
20.1012	33	Calcium Chloride per 50 lb.	\$42.00	\$1,386.00
20.0011	633	Bulk Charge	\$1.25	\$791.25
20.0012	1338.795	Bulk Truck Miles	\$1.10	\$1,472.67
		Process License Fee on Gallons		
		TOTAL BILLING		\$14,114.92

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative GREG C.

Station GB

DICK S.  
Well Owner, Operator or Agent

Remarks \_\_\_\_\_

NET 30 DAYS





*New Well.*

FIELD ORDER N° C 50577

BOX 438 - HAYSVILLE, KANSAS 67060  
316-524-1225

*Long String*

DATE 30-Jun 20 22

IS AUTHORIZED BY: Bear Petroleum (NAME OF CUSTOMER)

Address \_\_\_\_\_ City \_\_\_\_\_ State KS

TO TREAT WELL AS FOLLOWS Lease Niederee #1 Well No. \_\_\_\_\_ Customer Order No. \_\_\_\_\_

Sec. Twp. \_\_\_\_\_ Range \_\_\_\_\_ County Pawnee State KS

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED \_\_\_\_\_ By \_\_\_\_\_

Well Owner or Operator

By

Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
20.0001	90	Mileage P.U.	\$4.00	\$360.00
20.0002	90	Mileage P.T.	\$6.00	\$540.00
20.0007	1	Pump Charge Long String	\$1,650.00	\$1,650.00
20.1002	250	60/40 Poz 2% Gel	\$13.00	\$3,250.00
20.1008	100	C-41P per lb. Defoamer	\$4.00	\$400.00
20.1009	50	C-12 per lb. Fluid Loss	\$6.50	\$325.00
20.101	100	C-37 per lb. Friction Reducer	\$4.25	\$425.00
20.1015	1200	Fine Salt per lb.	\$0.30	\$360.00
20.1016	1000	Gilsonite per lb.	\$0.80	\$800.00
20.1018	600	Mud Flush per gal	\$1.00	\$600.00
20.2002	5	5 1/2" Turbo-Centralizer	\$85.00	\$425.00
20.2006	1	5 1/2" Basket	\$155.00	\$155.00
20.2009	1	Latch Down Plug & Baffle	\$175.00	\$175.00
20.2012	1	Insert Float Shoe	\$400.00	\$400.00
20.0011	299	Bulk Charge	\$1.25	\$373.75
20.0012	550.35	Bulk Truck Miles	\$1.10	\$605.39
		Process License Fee on Gallons		
		<b>TOTAL BILLING</b>		<b>\$10,844.14</b>

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative Nathan W.

Station GB

Dick S.  
Well Owner, Operator or Agent

Remarks \_\_\_\_\_

**NET 30 DAYS**





**TREATMENT REPORT**

Acid Stage No. \_\_\_\_\_

Date 6/30/2022 District GB F.O. No. 50577  
 Company Bear Petroleum  
 Well Name & No. Niederee #1  
 Location \_\_\_\_\_ Field \_\_\_\_\_  
 County Pawnee State KS

Type Treatment: Amt. Type Fluid Sand Size Pounds of Sand  
 Bkdown \_\_\_\_\_ Bbl./Gal. \_\_\_\_\_  
 \_\_\_\_\_ Bbl./Gal. \_\_\_\_\_  
 \_\_\_\_\_ Bbl./Gal. \_\_\_\_\_  
 \_\_\_\_\_ Bbl./Gal. \_\_\_\_\_  
 Flush \_\_\_\_\_ Bbl./Gal. \_\_\_\_\_

Casing: Size 5.5" Type & Wt. \_\_\_\_\_ Set at \_\_\_\_\_ ft.  
 Formation: \_\_\_\_\_ Perf. \_\_\_\_\_ to \_\_\_\_\_  
 Formation: \_\_\_\_\_ Perf. \_\_\_\_\_ to \_\_\_\_\_  
 Formation: \_\_\_\_\_ Perf. \_\_\_\_\_ to \_\_\_\_\_  
 Liner: Size \_\_\_\_\_ Type & Wt. \_\_\_\_\_ Top at \_\_\_\_\_ ft. Bottom at \_\_\_\_\_ ft.  
 Cemented:  Yes  No Perforated from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Tubing: Size & Wt. \_\_\_\_\_ Swung at \_\_\_\_\_ ft.  
 Perforated from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Treated from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. ft. 0  
 from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. ft. 0  
 from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. ft. 0

Actual Volume of Oil / Water to Load Hole: \_\_\_\_\_ Bbl./Gal.

Pump Trucks. No. Used: Std. 320 Sp. \_\_\_\_\_ Twin \_\_\_\_\_  
 Auxiliary Equipment 360

Personnel Nathan Joe Greg  
 Auxiliary Tools \_\_\_\_\_

Open Hole Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

Plugging or Sealing Materials: Type \_\_\_\_\_  
 \_\_\_\_\_ Gals. \_\_\_\_\_ lb.

Company Representative Dick S. Treater Nathan W.

TIME	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
11:00		5.5"		On Location. Rig laying down pipe.
				TD-4602'
				Pipe-4598'
				PBTD-4555'
				Tag bottom and pick up 3' Break circulation with mud pump. Circulate for 30 minutes.
				Pump 600gal Mud Flush.
				Plug Rat hole with 30sks and mouse hole with 20sks
				Mix 200sks 60/40poz 2%gel .5%c-37 .5%C41p .25%C12 10% Salt and 5#/sk Gilsonite.
				Wash out pump and lines.
				Displace with 108bbbls at 6.5bpm-800# Plug landed at 1000#
				Release pressure. Float held.
				Thank You! Nathan W.



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

Well Name: Riederee #1  
 Well Id:  
 Location: NE NE NE Sec 16 T22S R20W  
 License Number: 15-145-21871-000  
 Spud Date: 6/24/2022  
 Surface Coordinates:  
 Region:  
 Drilling Completed: 6/29/2022

Bottom Hole  
 Coordinates:  
 Ground Elevation (ft): 3182      K.B. Elevation (ft): 3190  
 Logged Interval (ft): 2200      To: 4600      Total Depth (ft): 4600  
 Formation: Arbuckle  
 Type of Drilling Fluid: Chemical mud

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





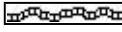



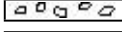



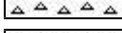

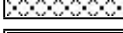
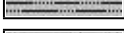
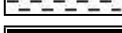
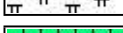

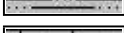

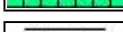

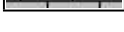
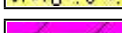
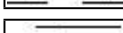




**OPERATOR**

Company: Bear Petroleum  
 Address: Haysville, Kansas

**GEOLOGIST**

Name: Rod Andersen  
 Company: Andersen Oil and Gas Exploration  
 Address:  
 100 S, Main St Suite 225  
 Wichita, Kansas 67202

**ROCK TYPES**

 Anhy	 Gyp	 Shgy	 Sandy lms
 Bent	 Igne	 Sltst	 Shale
 Brec	 Lmst	 Ss	 Sltstn
 Cht	 Meta	 Till	 Shlyslts
 Clyst	 Mrlst	 Carb sh	 Sltys h
 Coal	 Salt	 Dol	 Lms
 Congl	 Shale	 Dtd	
 Dol	 Shcol	 Gry sh	

### ACCESSORIES

#### MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- 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

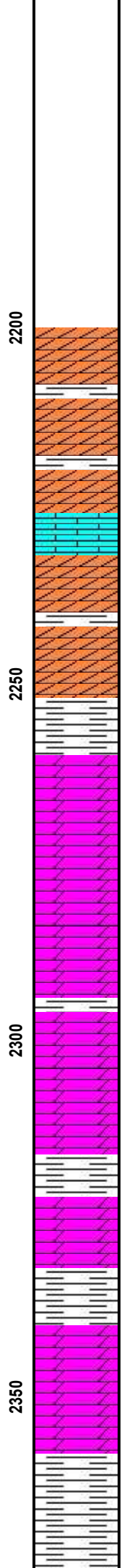
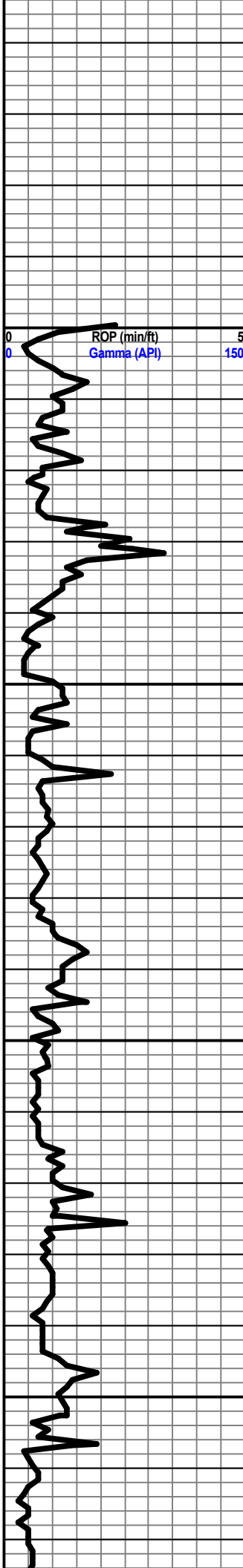
#### INTERVALS

- Core
- Dst
- Dst

#### EVENTS

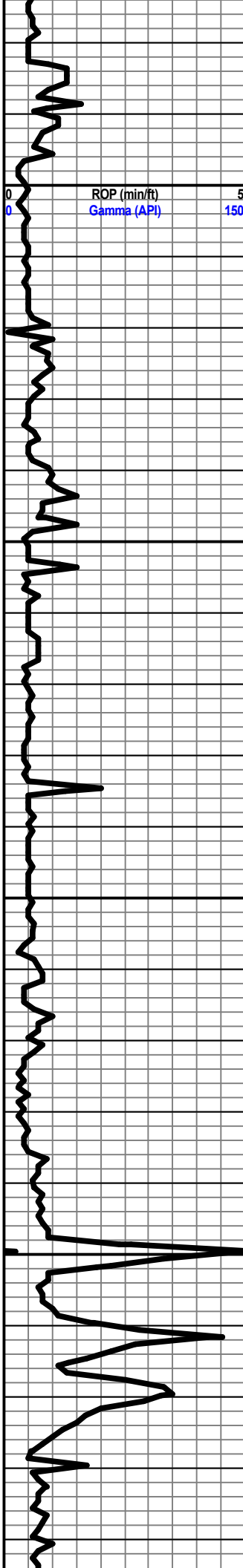
- Rft
- Sidewall

Curve Track 1		MD	Lithology	Oil Shows	Geological Descriptions	TG, C1-C5	
ROP (min/ft)	Gamma (API)					TG (units)	C1-C5 (units)
0	0	21	F	●	Geologist on location 6/26/2022 8:00 AM	1	1000
5	150				Anhydrite 1277 +913		
					Base of Anhydrite 1300 +890		
		2150					

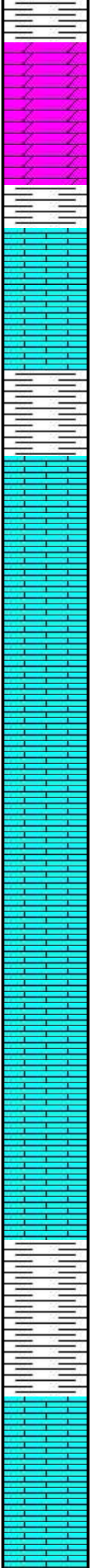


Anhydrite wt  
Sh gry  
Ls gry  
Anhydrite wt  
Sh gry  
**Herington 2260 -70**  
Dol gry suc no show  
**Krider 4280 -90**  
Sh gry  
Dol gry suc no show  
**Winfield 2320 -130**  
Dol bm sucrosic no show  
Sh gry  
Dol bm suc  
Sh gry

1	TG, C1-C5	1000
	Unable to transfer gas information from Pason system	
	2264 8 unit kick	
	2289 13 unit kick	
	2295 37 unit kick	
	2320 9 unit kick	



2400  
2450  
2500  
2550



**Towanda 2384 -194**

Dol bm suc no show

Ls cm-tan fxln-mxln no show

Sh gry

**Ft Riley 2441 -251**

Ls wt-cm fxln-cxln some vuggy por no show

6/29/2022

Mud

Wt 8.5

Vis 12

Ls cm-tan fxln-cxln no show

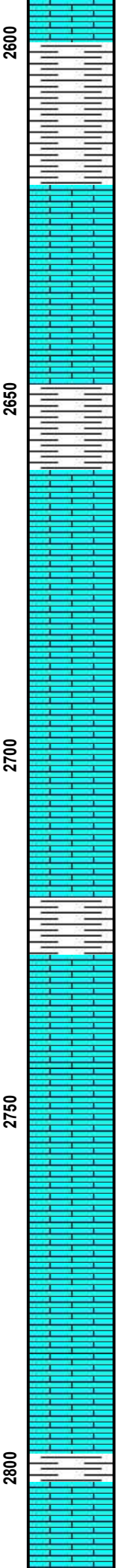
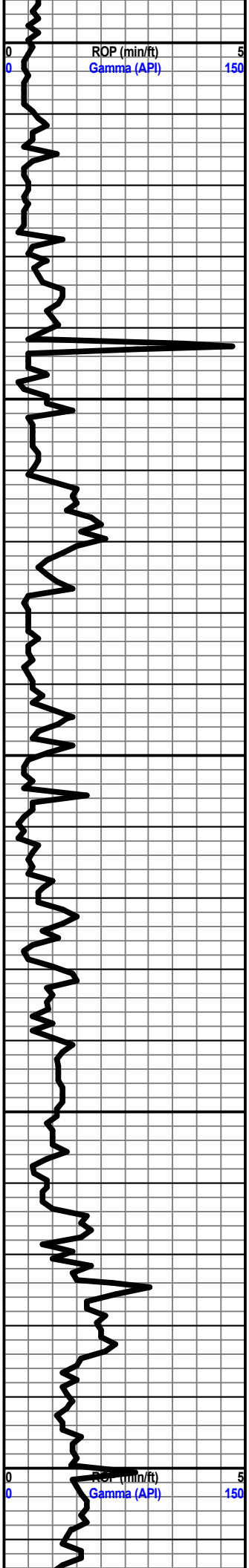
**Florence 2536 -346**

Sh gry

Ls cm-tan fxln foss no show

1 TG, C1-C5 1000

2440 110 unit kick



Sh gry

Ls wt-tan fxln foss

Sh gry-blk

Ls cm-tan fxln-cxln foss

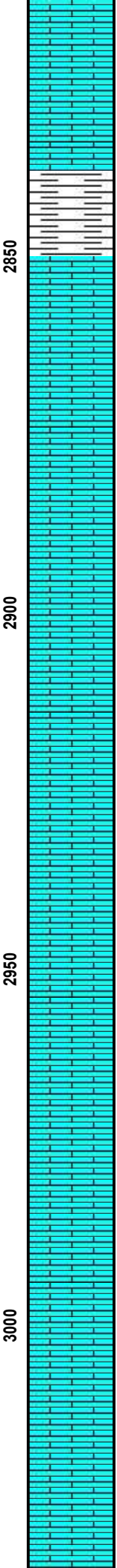
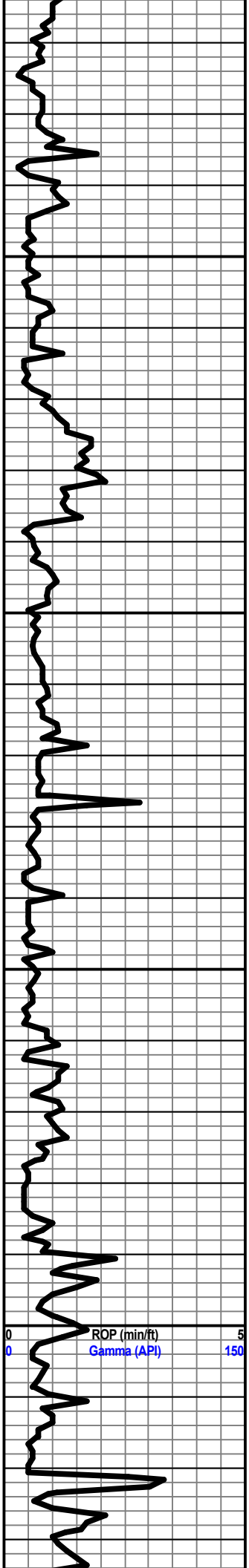
Sh gry

Ls wt fxon-cxln no show

Sh gry

Ls cm-tan fxln

Depth (ft)	Well Log Data	1	TG, C1-C5	1000
2600				
2610				
2620				
2630				
2640				
2650				
2660				
2670				
2680				
2690				
2700				
2710				
2720				
2730				
2740				
2750				
2760				
2770				
2780				
2790				
2800				



Sh gry

Ls cm fxln-cxln foss

Ls cm-tan fxln-cxln vuggy por in part no show

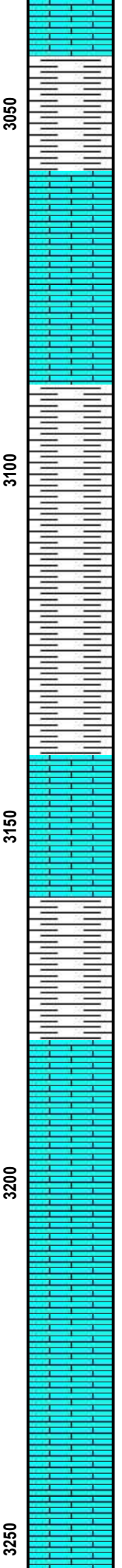
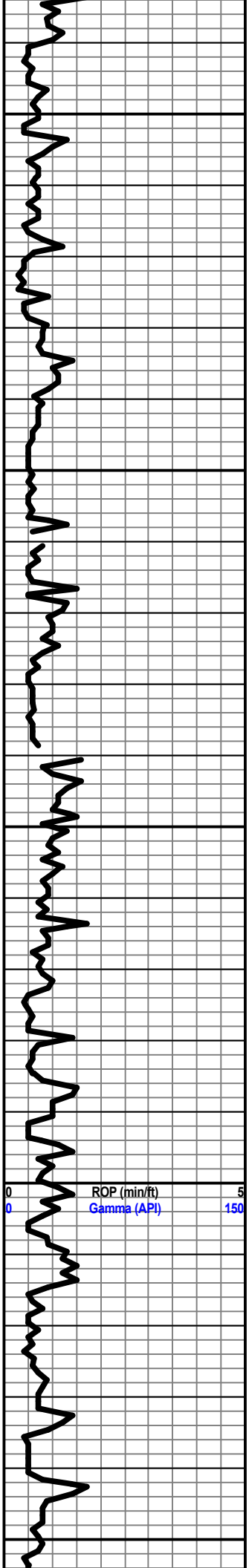
Ls cm-tan-bm fxln-cxln oolitic in part

Ls cm-wt fxln-mxln no show foss

2900 39 unit kick

TG, C1-C5

1000



Sh gry

Ls wt crytoxin-fxin foss

Sh gry-blk silty IP

Ls cm fxln

Sh gry

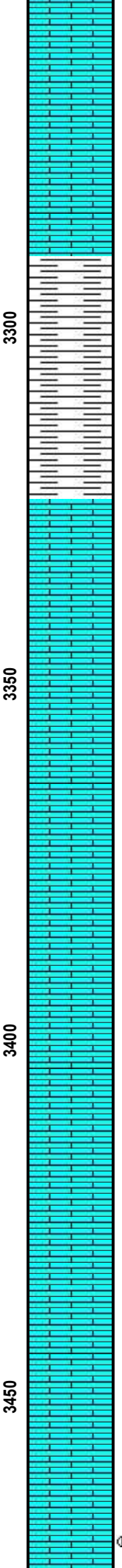
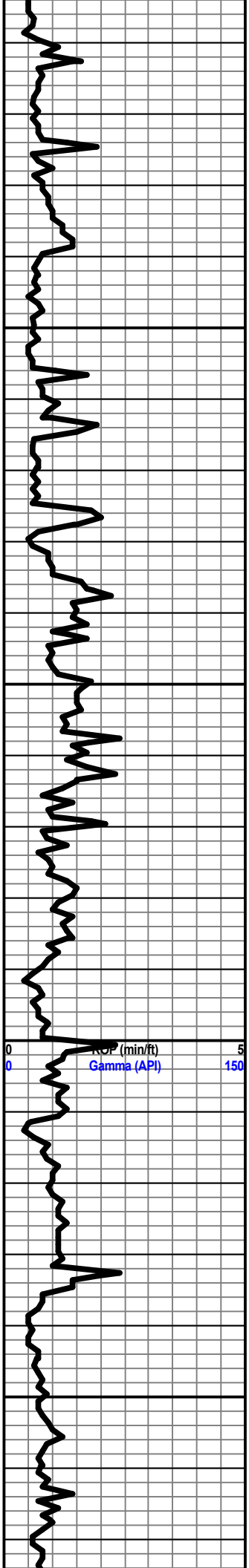
Ls cm-tan fxln-cxln

1

TG, C1-C5

1000





Sh gry

Topeka 3324 -1134

Ls cm-tan fxln-cxln foss no show

6/27/2022

Mud

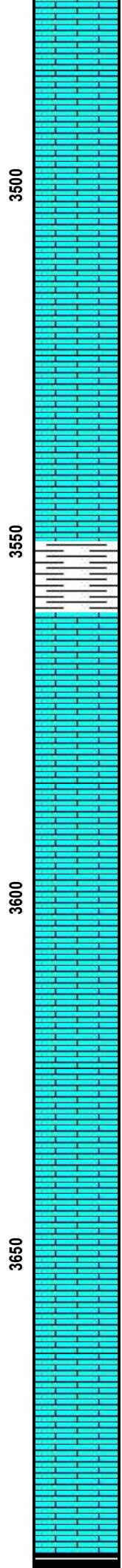
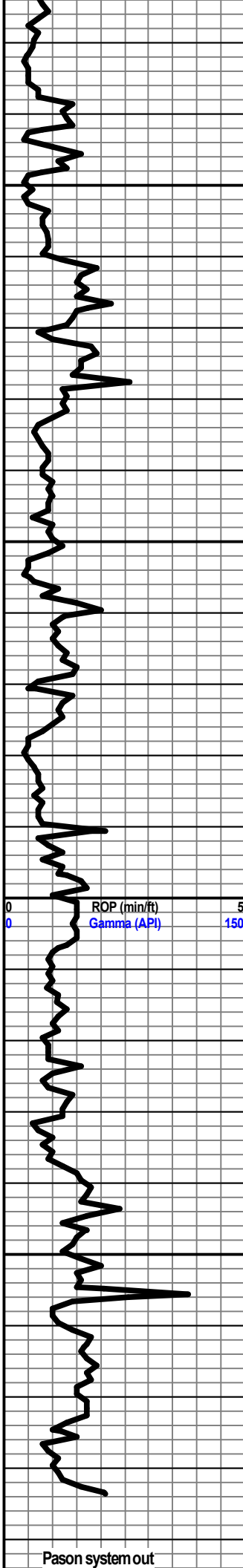
Wt 8.5

Vis 12

Ls cm fxln foss

Ls cm-tan fxln-mxln foss

1 TG, C1-C5 1000



Ls cm-tan fxln-cxln foss

Ls bm fxln

Sh gry

Ls cm-tan fxln-mxln foss

Ls cm fxln foss

Ls fxln-cxln foss

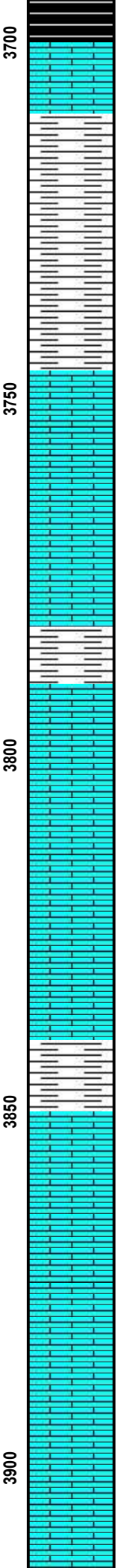
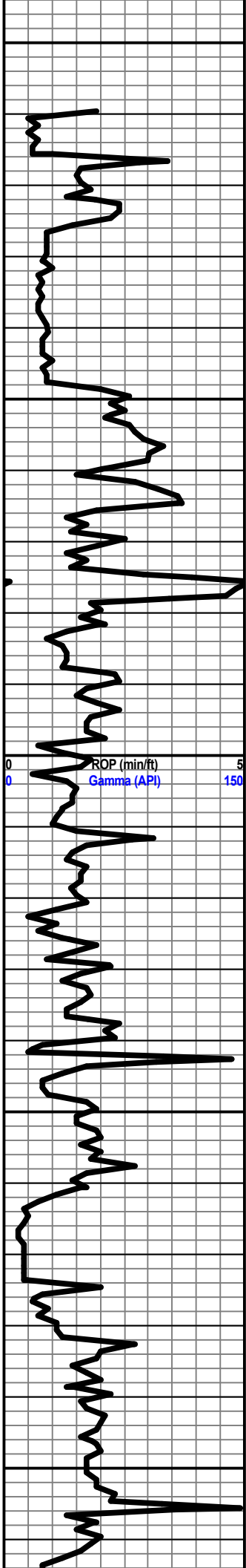
Ls fxln-crypto xln foss

6/28/2022

straight hole test 3684 3/4 degree

Heebner 3694 -1504

1 TG, C1-C5 1000



Sh blk carb

Ls cm-tan fxln-cxln foss

Sh gry silty

Ls cm-tan fxln-cxln spotty blk oil stain no free oil no odor no fluor

**Lansing 3778 -1588**

Ls tan fxln foss no show

Ls cm-tan fxln-cxln foss no show

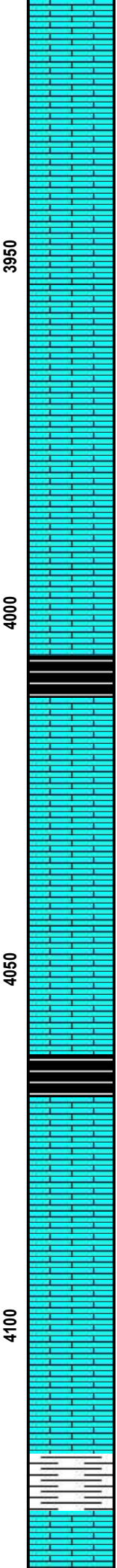
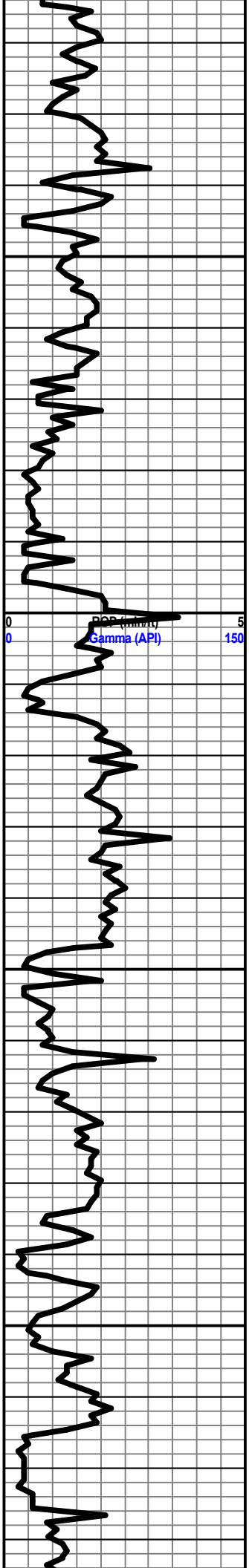
Ls tan fxln no show

Ls cm-tan fxln-cxln oolitic slight blk oil stain no free oil no odor

Ls cm-tan fxln-cxln oolitic IP

Ls tan fxln

1 TG, C1-C5 1000



Ls wt-tan fxln no show

Ls wt-tan fxln-mxln no show

Ls cm oolitic no show

Sh bk carb

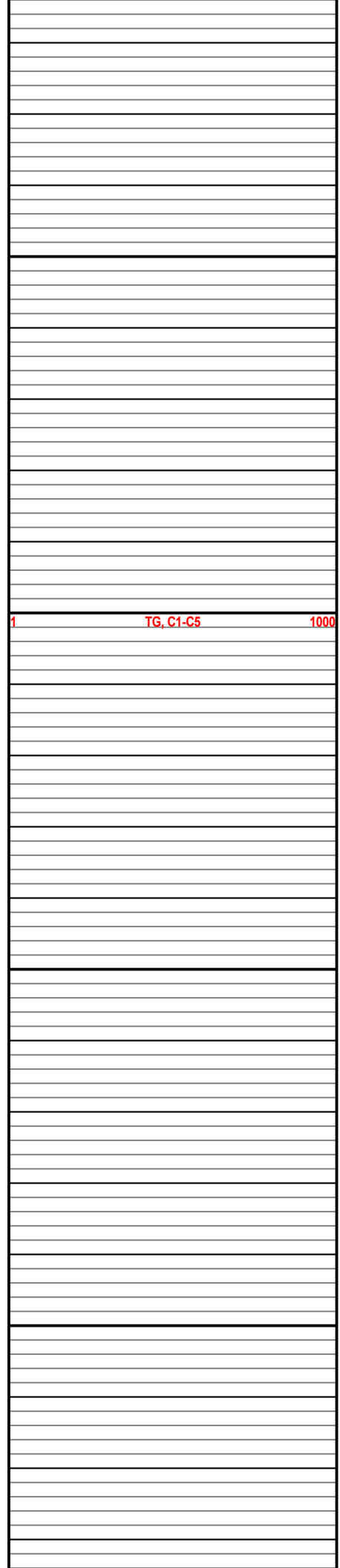
Sh blk carb

Base of Kansas City 4084 -1894

Marmaton 4093 -1903

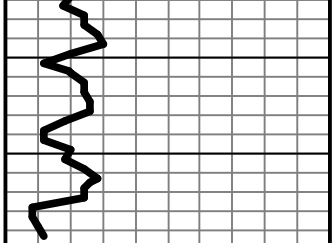
Ls cm-tan fxln no show

Sh gy





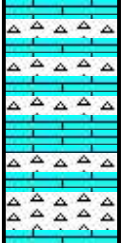




0	ROP (min/ft)	5
0	Gamma (API)	150

4600

50



Ls wt-cm fxl-vuggy por no show no odor

Ls wt cxl-vuggy no show

DTD 4600

LTD 4602

1 TG, C1-C5 1000