KOLAR Document ID: 1575655

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 # 5822
Name: Val Energy, Inc.
Address 1: 125 N MARKET ST STE 1110
Address 2:
City: WICHITA State: KS Zip: 67202 + 1728
Contact Person: Dustin Wyer
Phone: (316) 263-6688
CONTRACTOR: License # 32701
Name: C & G Drilling, Inc.
Wellsite Geologist: Brandon Wolfe
Purchaser: Maclaskey

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 #:

4/5/2021 Spud Date or Recompletion Date
4/9/2021 Date Reached TD
6/16/2021 Completion Date or Recompletion Date

API No.: 15-035-24733-00-00
Spot Description:
S2 - NW - NW - NE Sec. 11 Twp. 34 S. R. 5 ☑ East ☐ West
550 Feet from ☑ North / ☐ South Line of Section
2310 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Cowley
Lease Name: QUINT Well #: 1-11
Field Name:
Producing Formation: Mississippi
Elevation: Ground: 1277 Kelly Bushing: 1286
Total Vertical Depth: 3552 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 237 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: 12000 ppm Fluid volume: 600 bbls
Dewatering method used: Evaporated
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: 07/20/2021
☐ **Confidential Release Date:** 07/20/2023
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 07/20/2021

Operator Name: Val Energy, Inc. Lease Name: QUINT Well #: 1-11

Sec. 11 Twp. 34 S. R. 5 ☑ East ☐ West County: Cowley

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 *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:

Neutron
Micro
Induction

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
KC	2549	-1263
Pawnee	2845	-1559
Cherokee	2919	-1633
Miss	3167	-1881

CASING RECORD ☐ New ☑ 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
Surface	12.25	8.625	24	237	Class A	140	CaCl
Production	7.875	5.5	14	3530	Thick Set	175	KolSeal/Pheno Seal

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☑ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	3240-3243	60/40	145	Gel 6%
	-			

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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:	
		Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	3174	3294

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
1	3284	3294			
1	3234	3248			
1	3174	3190			

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Val Energy, Inc.
Well Name	QUINT 1-11
Doc ID	1575655

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	237	Class A	140	CaCl
Production	7.875	5.5	14	3530	Thick Set	175	KolSeal/Pheno Seal

Elite Cementing & Acidizing of KS, LLC
PO Box 92
Eureka, KS 67045

Date	Invoice #
5/6/2021	5603

Bill To
Val Energy Inc. 125 N. Market St., Suite 1110 Wichita, KS 67202

Customer ID#	1217

Job Date	5/3/2021
Lease Information	
Quint 1-11	
County	Cowley
Foreman	KM

			Terms	Net 15
Item	Description	Qty	Rate	Amount
C104S	Cement Pump-Squeeze	1	1,100.00	1,100.00
C107	Pump Truck Mileage (one way)	60	4.20	252.00
C203	Pozmix Cement 60/40	145	13.40	1,943.00T
C206	Gel Bentonite	750	0.21	157.50T
C208	Pheno Seal	145	1.30	188.50T
C201	Thick Set Cement	75	20.50	1,537.50T
C207	KolSeal	375	0.47	176.25T
C208	Pheno Seal	75	1.30	97.50T
C108B	Ton Mileage-per mile (one way)	621.6	1.40	870.24
C404	5 1/2" Top Rubber Plug	1	74.00	74.00T
D101	Discount on Services		-111.11	-111.11
D102	Discount on Materials		-208.71	-208.71T

We appreciate your business!

Phone #	Fax #	E-mail
620-583-5561	620-583-5524	rene@elitecementing.com

Send payment to:
Elite Cementing & Acidizing of KS, LLC
PO Box 92
Eureka, KS 67045

Subtotal	$6,076.67
Sales Tax (6.5%)	$257.76
Total	$6,334.43
Payments/Credits	$0.00
Balance Due	$6,334.43

810 E 7TH
PO Box 92
EUREKA, KS 67045
(620) 583-5561

ELITE CEMENTING & ACID SERVICE, LLC

Cement or Acid Field Report
Ticket No. **5603**
Foreman Kevin McCoy
Camp Eureka

API # 15-035-24733

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
5-3-21	1217	Quint 1-11	11	34S	5E	Cowley	KS

Customer: Val Energy, Inc.
Mailing Address: 125 N. Market St. Ste 1110
City: Wichita | State: KS | Zip Code: 67202

Safety Meeting: KM AM SM JV

Unit #	Driver	Unit #	Driver
104	Alan M.		
110	Josh V.		
112	Steve M.		

Job Type: Bull Head Squeeze
Casing Depth: 3530'
Casing Size & Wt.: 5½
Displacement: 75.5 Bbl
Hole Depth: 3550'
Hole Size: 7⅞
Cement Left in Casing: 100' +/-
Displacement PSI: 900
Slurry Vol.: 31 Bbl Lead 25 Bbl Tail
Slurry Wt.: 13.3# - 13.8#
Water Gal/SK:
Bump Plug to:
Tubing:
Drill Pipe:
Other:
BPM:

Remarks: Safety Meeting: 4-10-21 while Cementing Longstring we had No Fluid Returns to Surface. Elite Ticket #5532. CBL was Ran top of Cement was @ 3256'. 5-3-21 OSAge wire Line Shot Squeeze Holes @ 3240' Rig up to 5½ Casing. Pump 15 Bbl fresh water @ 4.5 BPM @ 450 PSI w/ Good fluid Returns to Surface. Shut down. CALL for Cement. BREAK Circulation w/ 10 Bbl fresh water. Mixed 110 sks 60/40 Pozmix Cement w/ 6% Gel 1# PhenoSeal /sk. Tail in w/ 75 sks THICK Set Cement w/ 5# Kol-Seal /sk, 1# PhenoSeal /sk @ 13.8#/gal, yield 1.85 = 25 Bbl slurry. (Lead Cement = 31 Bbl slurry). Wash out Pump & Lines. Shut down. Release Plug. Displace w/ 75.5 Bbl fresh water (KCL in first 20 Bbl). Final Pumping Pressure 900 PSI. Shut in @ 750 PSI. Good Circulation while Cementing. Job Complete. Rig down.
Plug R.H. 20 sks M.H. 15 sks

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 104	1	Pump Charge	1100.00	1100.00
C 107	60	Mileage	4.20	252.00
C 203	145 sks	60/40 Pozmix Cement (Lead Cement 110 sks 20 sks R.H. 15 sks M.H.)	13.40	1943.00
C 206	750#	Gel 6%	.21#	157.50
C 208	145#	PhenoSeal 1#/sk	1.30#	188.50
C 201	75 sks	THICK Set Cement (TAIL Cement)	20.50	1537.50
C 207	375#	Kol-Seal 5#/sk	.47#	176.25
C 208	75#	PhenoSeal 1#/sk	1.30#	97.50
C 108B	10.36 TONS	Ton Mileage	1.40	870.24
C 404	1	5½ Top Rubber Plug	74.00	74.00
			Sub Total	6396.49
			Less 5%	333.39
		6.5%	Sales Tax	271.33
			Total	6,334.43

Authorization _____ Title _____

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

Elite Cementing & Acidizing of KS, LLC
PO Box 92
Eureka, KS 67045

Date	Invoice #
4/12/2021	5532

Bill To
Val Energy Inc. 125 N. Market St., Suite 1110 Wichita, KS 67202

Customer ID#	1217

Job Date	4/10/2021
Lease Information	
Quint 1-11	
County	Cowley
Foreman	KM

			Terms	Net 15
Item	Description	Qty	Rate	Amount
C102	Cement Pump-Longstring	1	1,100.00	1,100.00
C107	Pump Truck Mileage (one way)	60	4.20	252.00
C201	Thick Set Cement	175	20.50	3,587.50T
C207	KolSeal	875	0.47	411.25T
C208	Pheno Seal	350	1.30	455.00T
C211	CFL-115	40	11.00	440.00T
C108B	Ton Mileage-per mile (one way)	493.8	1.40	691.32
C421	5 1/2" Latch Down Plug	1	242.00	242.00T
C761	5 1/2" Type B Basket Shoe	1	1,355.00	1,355.00T
C681	5 1/2" Float Collar Body Only	1	215.00	215.00T
C604	5 1/2" Cement Basket	2	236.00	472.00T
C504	5 1/2" Centralizer	6	50.00	300.00T
C222	KCL	5	30.00	150.00T
D101	Discount on Services		-102.16	-102.16
D102	Discount on Materials		-381.39	-381.39T

We appreciate your business!

Phone #	Fax #	E-mail
620-583-5561	620-583-5524	rene@elitecementing.com

Send payment to:
Elite Cementing & Acidizing of KS, LLC
PO Box 92
Eureka, KS 67045

Subtotal	$9,187.52
Sales Tax (6.5%)	$471.01
Total	$9,658.53
Payments/Credits	$0.00
Balance Due	$9,658.53

810 E 7TH
PO Box 92
EUREKA, KS 67045
(620) 583-5561

ELITE CEMENTING & ACID SERVICE, LLC

Cement or Acid Field Report
Ticket No. **5532**
Foreman Kevin McCoy
Camp Eureka

API # 15-035-24733

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
4-10-21	1217	Quint 1-11	11	34S	5E	Cowley	Ks

Customer: Val Energy Inc.
Mailing Address: 125 N. Market St. Ste 1110
City: Wichita | State: Ks | Zip Code: 67202

Safety Meeting: KM JH JV

Unit #	Driver	Unit #	Driver
105	Jason H.		
110	Josh V.		

Job Type Longstring | Hole Depth 3550' K.B. | Slurry Vol. 57 BBL | Tubing
Casing Depth 3530' | Hole Size 7 7/8" | Slurry Wt. 13.8 # | Drill Pipe
Casing Size & Wt. 5½ used | Cement Left in Casing 4.5' | Water Gal/SK 9.0 | Other
Displacement 87.5 BBL | Displacement PSI 600 | Bump Plug to 1100 PSI | BPM

Remarks: Safety Meeting: 5½ Casing Set @ 3530'. Rig up to 5½ Casing. while Circulating w/ mud Pump Prior to Cementing we Lost Circulation. Rig up Pump Truck Set Basket Shoe @ 850 PSI. Rig Back up to Mud Pump. Pumped Total of 360 BBL mud w/ No Returns to Surface. Rig up to Cement. Pump 5 BBL water. Mixed 175 SKS Thick Set Cement w/ 5# Kol-Seal/SK, 2# PhenoSeal/SK, ¼# CFL-115 @ 13.8 #/gal, Yield 1.85 = 57 BBL Slurry. Shut down. Wash out Pump & Lines. Release Latch down Plug. Displace Plug to Seat w/ 87.5 BBL Fresh water. Final Pumping Pressure 600 PSI. Bump Plug to 1100 PSI. Wait 2 mins. Release Pressure. Float & Plug Held. Shut in @ 0 PSI. No Fluid Returns to Surface while Mixing or Displacing Cement. Job Complete. Rig down.

~~Pipe~~ ~~Rec~~. & ~~Mea~~.
Centralizers on #1,3,5,7,9,11 Baskets on Top of #3, #11

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 102	1	Pump Charge	1100.00	1100.00
C 107	60	Mileage	4.20	252.00
C 201	175 SKS	Thick Set Cement	20.50	3587.50
C 207	875 #	Kol-Seal 5 #/SK	.47 #	411.25
C 208	350 #	PhenoSeal 2 #/SK	1.30 #	455.00
C 211	40 #	CFL-115 ¼%	11.00 #	440.00
C 108 B	8.23 TONS	Ton Mileage 60 miles	1.40	691.32
C 421	1	5½ Latch down Plug	242.00	242.00
C 761	1	5½ Type B Basket Shoe	1355.00	1355.00
C 681	1	5½ Float Collar Body only	215.00	215.00
C 604	2	5½ Cement Baskets	236.00	472.00
C 504	6	5½ x 7⅞ Centralizers	50.00	300.00
C 222	5 gals	KCL (in first 40 BBL Displacement water)	30.00	150.00
			Sub Total	9671.07
		THANK You	Less 5%	508.34
		6.5%	Sales Tax	495.80
			Total	9658.53

Authorization Rick Smith Title

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

Elite Cementing & Acidizing of KS, LLC
PO Box 92
Eureka, KS 67045

Date	Invoice #
4/8/2021	5494

Bill To
Val Energy Inc. 125 N. Market St., Suite 1110 Wichita, KS 67202

Customer ID#	1217

Job Date	4/5/2021
Lease Information	
Quint 1-11	
County	Cowley
Foreman	KM

			Terms	Net 15
Item	Description	Qty	Rate	Amount
C101	Cement Pump-Surface	1	890.00	890.00
C107	Pump Truck Mileage (one way)	60	4.20	252.00
C200	Class A Cement-94# sack	140	15.75	2,205.00T
C205	Calcium Chloride	395	0.63	248.85T
C206	Gel Bentonite	265	0.21	55.65T
C209	Flo-Seal	35	2.35	82.25T
C108B	Ton Mileage-per mile (one way)	394.8	1.40	552.72
D101	Discount on Services		-84.74	-84.74
D102	Discount on Materials		-129.59	-129.59T

We appreciate your business!

Phone #	Fax #	E-mail
620-583-5561	620-583-5524	rene@elitecementing.com

Send payment to:
Elite Cementing & Acidizing of KS, LLC
PO Box 92
Eureka, KS 67045

Subtotal	$4,072.14
Sales Tax (6.5%)	$160.04
Total	$4,232.18
Payments/Credits	$0.00
Balance Due	$4,232.18

810 E 7TH
PO Box 92
EUREKA, KS 67045
(620) 583-5561

ELITE CEMENTING & ACID SERVICE, LLC

C & G Drlg. Rig #2

Cement or Acid Field Report
Ticket No. **5494**
Foreman Kevin McCoy
Camp Eureka

API # 15-035-24733

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
4-5-21	1217	Quint 1-11	11	34S	5E	Cowley	Ks

Customer	Safety Meeting
Val Energy Inc.	KM AM JV
Mailing Address: 125 N. Market St. Ste 1110	
City: Wichita	State: Ks Zip Code: 67202

Unit #	Driver	Unit #	Driver
104	Alan M.		
110	Josh V.		

Job Type Surface
Casing Depth 227' G.L.
Casing Size & Wt. 8 5/8" 23#
Displacement 14 Bbl

Hole Depth 242' K.B.
Hole Size 12 1/4"
Cement Left in Casing 15'
Displacement PSI

Slurry Vol. 34 Bbl
Slurry Wt. 15#
Water Gal/SK
Bump Plug to

Tubing
Drill Pipe
Other
BPM

Remarks: Safety Meeting: Rig up to 8 5/8 Casing. Break Circulation w/ 10 Bbl fresh water. Mixed 140 sks Class A Cement w/ 3% CaCl2, 2% Gel, 1/4# flo seal/sk @ 15#/gal = 34 Bbl Slurry. Displace w/ 14 Bbl fresh water. Shut Casing in. Good Cement Returns to Surface = 4 Bbl Slurry to Pit. Job Complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 101	1	Pump Charge	890.00	890.00
C 107	60	Mileage	4.20	252.00
C 200	140 sks	Class "A" Cement	15.75	2205.00
C 205	395#	CaCl2 3%	.63	248.85
C 206	265#	Gel 2%	.21	55.65
C 209	35#	Flo Seal 1/4#/sk	2.35	82.25
C 108 B	6.58 Tons	Ton Mileage	1.40	552.72
			Sub Total	4286.47
		THANK You	Less 5%	222.75
		6.5%	Sales Tax	168.46
			Total	4232.18

Authorization By Judd Gulick Title C & G Drlg Toolpusher

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

LOCATION AND LEGALS DATA

WellSight Systems

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

Well Name:	**Quint 1-11**		
API:	**15-035-24733**		
Location:	**NW NW NE S11-T34S-R5E**		
License Number:	**5822**	**Region:**	**Cowley County, KS**
Spud Date:	**4/5/21**	**Drilling Completed:**	**4/9/21**
Surface Coordinates:	**550' FNL, 2310' FEL**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**1277'**	**K.B. Elevation (ft):**	**1286'**
Logged Interval (ft):	**Surface To: 3550'**	**Total Depth (ft):**	**3551'**
Formation:	**Mississippi**		
Type of Drilling Fluid:	**WATER BASED**		

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

Formation	Sample Tops	Log Tops
Iatan	1988' (-602)	1888' (-602)
Stalnaker	1939' (-653)	1940' (-652)
Iola	2354' (-1068)	2355' (-1069)
Layton	2386' (-1100)	2386' (-1100)
Kansas City	2549' (-1263)	2550' (-1264)
Pawnee	2845' (-1559)	2843' (-1557)
Cherokee	2919' (-1633)	2918' (-1632)
Mississippi Chert	3167' (-1881)	3174' (-1888)
Mississippi Lime	3186' (-1900)	3190' (-1904)
Kinderhook	3534' (-2248)	3536' (-2250)

OPERATOR

Company: **Val Energy, Inc.**
Address: **125 N Market St STE 1110**
Wichita, KS 67202

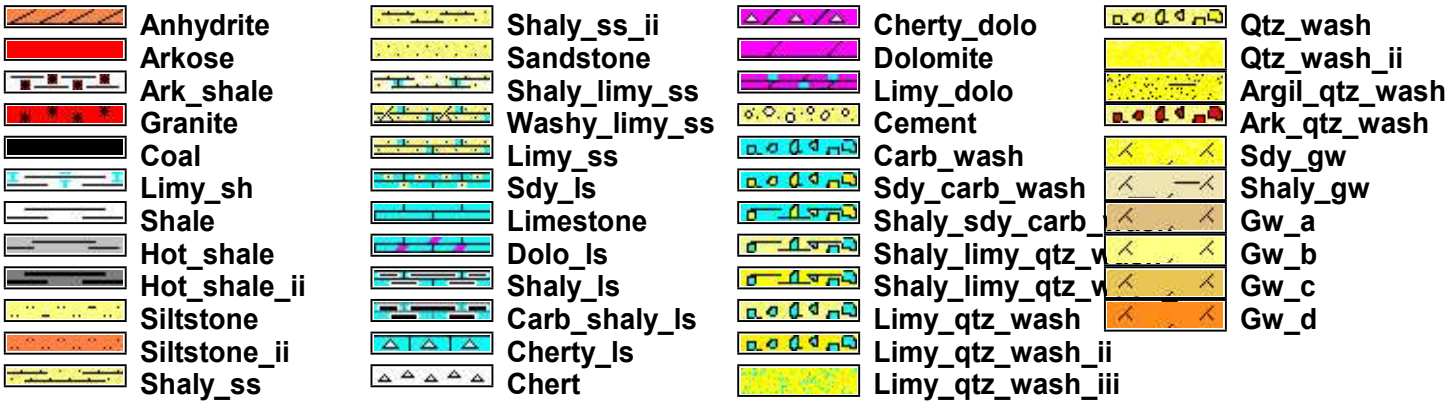
GEOLOGIST

Name: Brandon Wolfe
Company:
Address: 1016 N Biddle St
Moline, KS 67353

COMMENTS

5 1/2" Casing was ran to bottom and cemented in place to futher evaluate the Mississippi Formation

ROCK TYPES



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
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

STRINGER

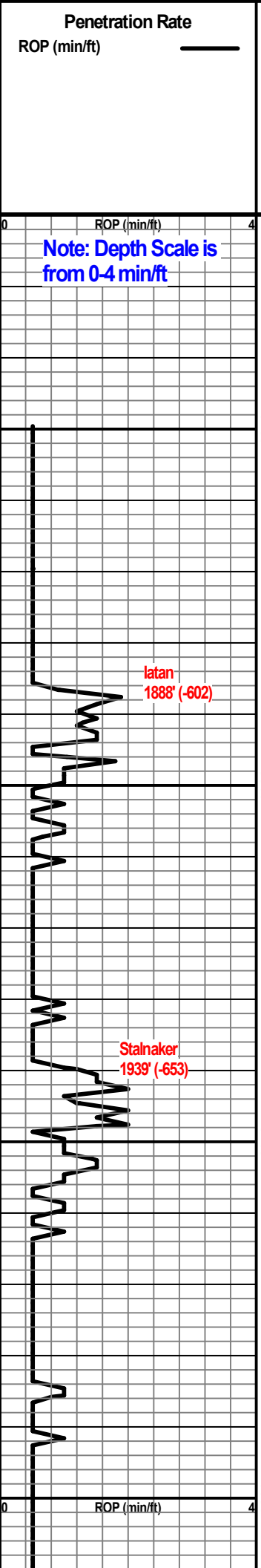
- Arkosic inclusion
- Chert inclusion
- Anhydrite
- Arkosic qtz str
- Arkosic qtz str ii
- Arkosic str
- Arkosic str ii
- Carb wash str
- Sandy carb wash str
- Coal/carb sh
- Dolomite
- Granite str
- Limestone
- Limy ss str
- Qtz wash str
- Limy qtz wash str
- Sandy ls str
- Shale
- Siltstone
- Sandstone

TEXTURE

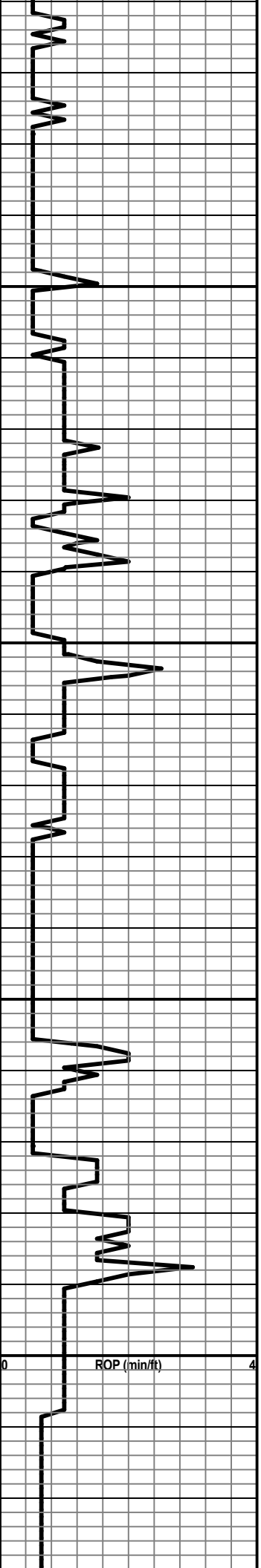
- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

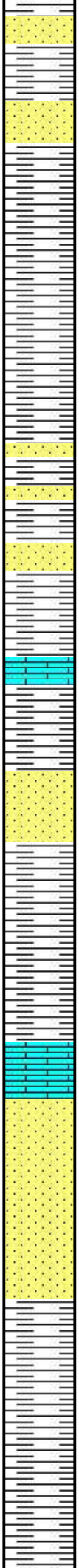
OIL SHOW

- Even
- Spotted
- Ques
- Dead



TVD	Lithology	Geological Descriptions	Oil Shows	Remarks
		227' of 8 5/8" Surface Pipe was set @4:45PM on 4/5/21		Noon Depth on 4/6/21: 980'
		Mud up @connection @1766'		Midnight Depth on 4/7/21: 1600'
		Start Kelly Down (KD) Wet & Dry Samples		
1850		Sh: gry.		
		Sh: Sh: gry, sft pyr.		
		Ls: tan to lt brn, fn xln, dns, hrd, foss, NS.		Iatan 1888' (-602)
1900		Sh: gry.		
		Sh: gry, frm.		
		Ls: AA.		
		SS: lt gry, vry fn gm, well srtd, mica, fr ig por, no odor, NS.		Stalnaker 1939' (-653)
1950		Ss: lt gry, mstly fn gm, well strd, sub md, sli mica, gd ig por, no odor, NS.		
		Sh: gry.		
		SS: lt gry, fn to vry fn gm, mod strd, sub md, mica, gd ig por, no odor, NS.		
2000		Sh: gry, sli slty, sli mica.		





Ss: AA.

Ss: AA.

Sh: gry, sli slty.

Service Rig

Wt 9.1 Vis 28

Ss: lt gry, fn gm, sub ang, no odor, NS.

Sh: gry.

Ss: lt gry, fn gm, well srtd, sub ang, no odor, NS.

Sh: gry.

Jet Pit

Drop Soap Stick

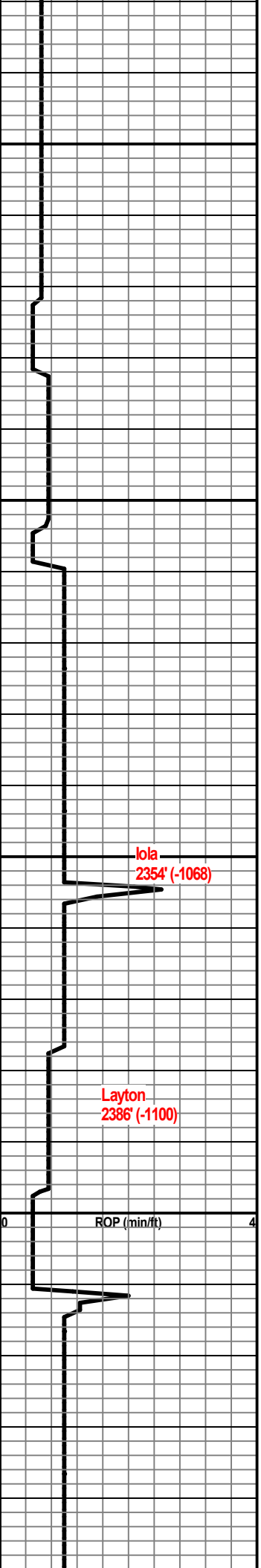
Ls: mstly brn to gry, fn xln, dns, hrd, foss, no odor, NS.

Fud Mud Check: Wt 9.1, Vis 32, Chloride 1,100

Ss: lt gry, vry fn gm, well strd, NS.

Sh: gry to gm.

Sh: gry.



Sh: gry to occ drk gry

Sh: gry to occ drk gry.

Wt 9.1 Vis 31

Sh: gry.

Sh: gry.

Ls: gry to brn, fn xln, dns, foss, NS.

Sltst: lt gry, vry fn gm, sli calc, mica, pry, NS.

Ss: lt gry, fn gm, wll srtd, sli mica, gd ig por, no odor, NS.

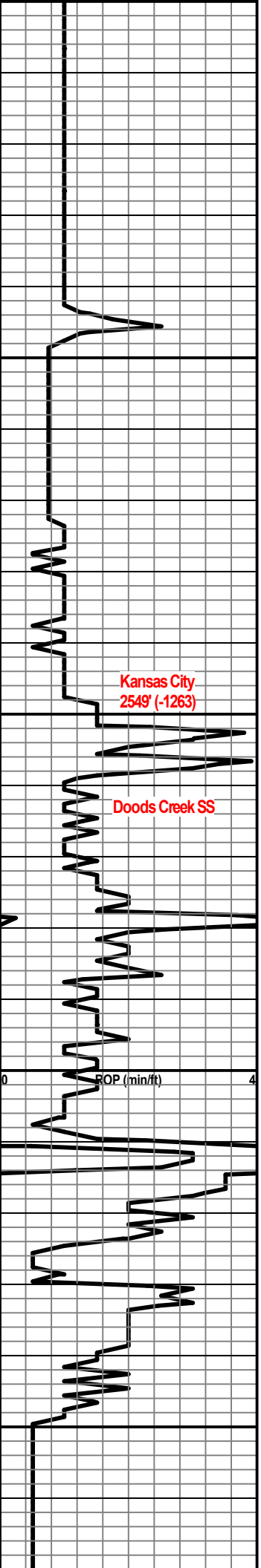
Ss: lt gry, fn gm, sub md, wll srtd, mica, grt ig por, scat brn stn, no odor, NS.

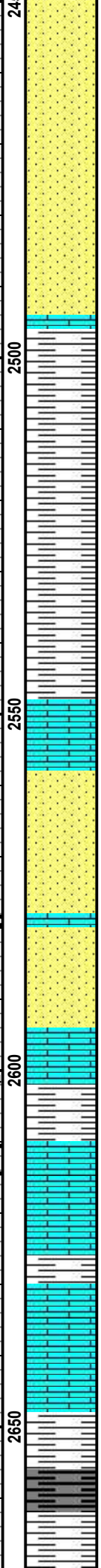
Ss: lt gry, fn gm, sub md, wll srtd, sli mica, gd ig por, no odor, NS.

Iola
2354' (-1068)

Noon Depth on 4/7/21: 2365'

Layton
2386' (-1100)





Ss: AA.

Sh: gry, sft, pyr.

Stop drilling @2523' for bit trip. Circulated 30 min before TOOH. TOOH @3:15PM. Repladed 5 blade PDC with a 6 blade PDC. Layed down 2 joints of drill collars due to bad condition. Refaced 2 drill collars. TIH @5:45PM. Drilling ahead @7:05PM.

Bit Trip

Sh: gry, pyr.

Kansas City
2549' (-1263)

Ls: gry to brn, fn to med xln, fns, xln nclns, por vis por, NS.

Ss: lt gry, fn gm, wll srtd, gd ig por, no odor, NS.

Wt 9.2 Vis 37

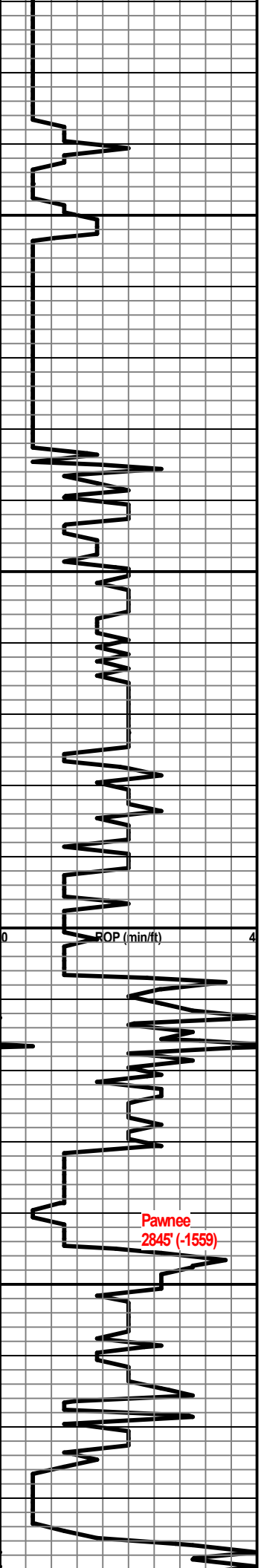
Ls: tan to lt brn, fn xln, dns, foss, pr vis por, NS.

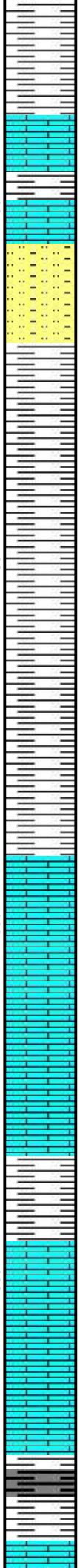
Sh: gry.

Ls: lt brn to gry, fn xln, dns, hrd, foss, sli pyr, xln inclsn, pr vis por, NS. Sh: gry to occ gm.

Sh: gry to drk gry.

Sh: blk, carb.





Sh: gry to drk gry, pyr.

Ls: gry to bm, fn xln, dns, foss, vry pr vis por, NS.

Ls: AA.

Sltst: lt gry, vry fn gm, NS.

Wt 9.3 Vis 37

Sh: lt gry to gry, chlky.

Sh: lt gry, sli slty, chlky, frm.

Sh: gry to lt gry, sli slty.

Ls: gry, to lt bm, fn xln, dns, sli chrty, pr vis por, NS.

Ls: bm to gry, ffn xln, dns, hrd, no vis por, NS.

Sh: gry.

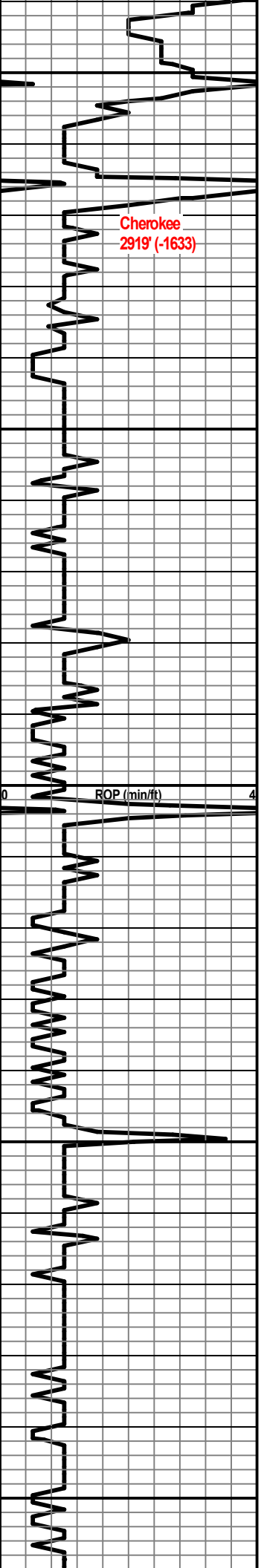
Ls: mstly crm to occ bm, fn xln, dns, foss, sli chlky, pr to fr vis por, NS.

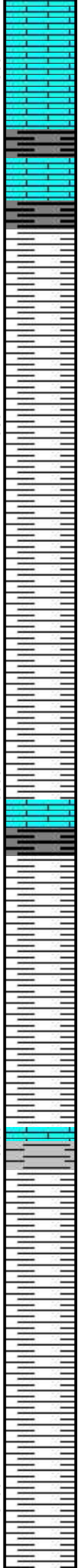
Ls: lt bm to gry, fn xln, dns, sli chrty, pr vis por, NS.

Sh: gry to blk, blk sh is carb.

Midnight Depth on 4/8/21: 2710'

Pawnee
2845' (-1559)





Ls: tan to gry, fn xln, dns, few wthrd pcs, trc xln por, 10% dull flor, no odor, NS.

Wt 9.3 Vis 33

Sh: blk, carb

Sh: blk, carb

Service Rig
Jet Pit

Sh: gry, slty, trc mica.

Sh: gry, sli slty, trc mica.

Clean screen on pump

Ls: brn, vry fn xln, dns, hrd, NS.

Sh: gry to drk gry to occ blk, pyr.

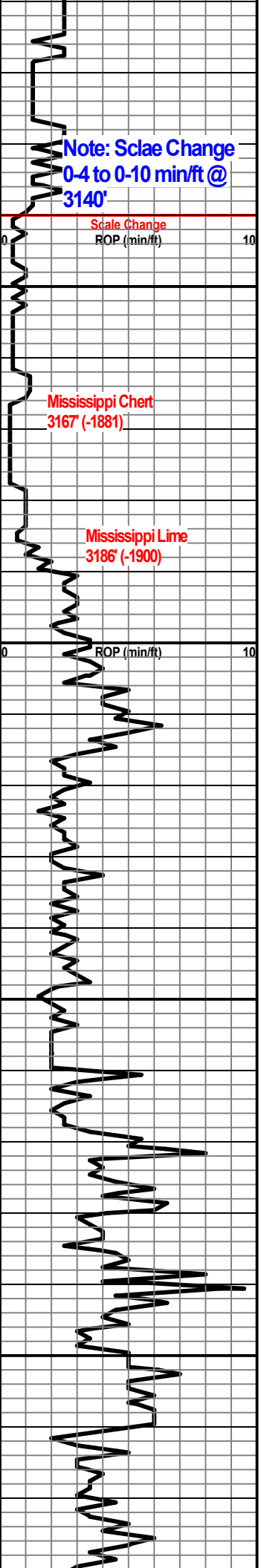
Sh: gry to drk gry.

Fud Mud Check: Wt 9.5, Vis 36, Chloride 1,400

Sh: gry to trc blk, blk sh has trc emb pyr.

Sh: gry, sli sft.

Cherokee
2919' (-1633)



3150

3200

3250

3300

Sh: gry, pyr.

Start 10' Wet & Dry Samples

Jet Pit

Sh: gry to trc gm, frm, pyr.

Cht: buff to off wht, mstly frsh, trc wthrd, few pcs tripolitic, gd vug & xln por, brn oil stn throughout, gd SFO, gd show of gas, grt cut, 5% brght yllw flor, sli odor.

Cht: buff to wht, mstly wthrd, tripolitic, gd vug por, grt xln por, brn oil stn throughout, gd show of gas, grt SFO, gd cut, 50% brght yllw flor, stmg odor.

Ls: brn to lt brn, fn xln, dns, wthrd, chrty, fr vis por, sli SFO, 5% brght flor, vry ft odor. Trc Cht: buff to wht, mstly frsh, shrp, hrd, trc wthrd.

Ls: brn to gry, fn xln, dns, hrd, occ wthrd, chrty, pr vis por, scat flor, no odor, vry sli SFO. Trc Cht.

Ls: gry too occ brn, fn xln, dns, hrd, sli chrty, sli wthd, pr to no vis por, flor, no odor, NS.

Ls: mstly brn, fn xln, dns, hrd, chrty, pr vis por, vry scat flor, no odor, NS.

Wt 9.3 Vis 37 LCM 1

Ls: brn, fn xln, dns, hrd, sli chrty, pr vis por, no odor, NS

Ls: brn to gry, fn xln, dns, hrd, pr vis por, no odor, NS.

Ls: mstly gry, to occ brn, fn xln, dns, hrd, pr vis por, no odor, NS.

Ls: brn to occ drk brn, vry fn to fn xln, dns, hrd, chrty, trc dolo, pr to no vis por, no odor, NS.

Ls: brn to gry, fn xln, dns, hrd, sli chrty, pr vis por, no odor, NS.

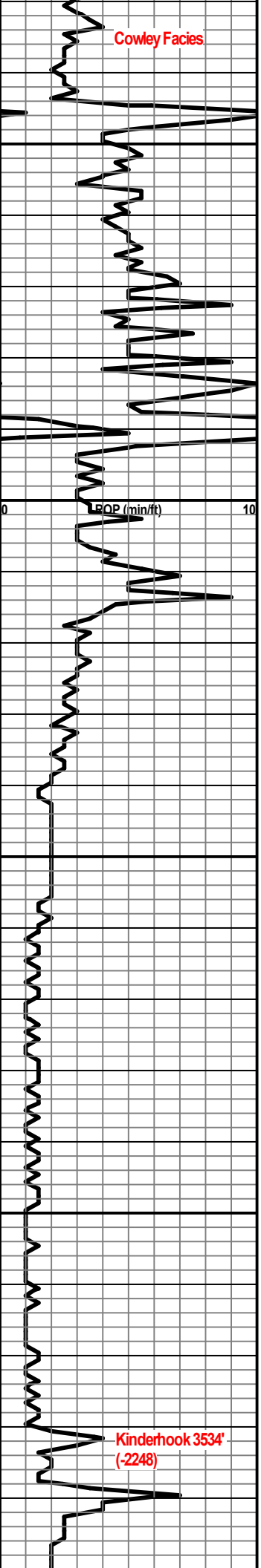
Ls: AA w/ occ xln nclns.

Ls: brn to gry, fn xln, dns, mstly vry hrd, trc dolo, pr vis por, ft odor, NS.

Ls: mstly brn to gry, fn xln, dns, pr vis por, no odor, NS.

Ls: brn to gry to occ drk brn, fn xln, dns, tr dolo, pr to no vis por, no odor, NS.

Mississippi Chert
3167' (-1881)
Grt Show of Free Oil
Gd Show of Gas
Strong Odor
Mississippi Lime
3186' (-1900)
Vry Sli SFO
Noon Depth on 4/8/21: 3185'
Vry Scat Flor
Ft Odor



3350

3400

3450

3500

Ls: brn to occ drk brn, dns, hrd, dolo, pr to no vis por, no odor, NS

Ls: AA.

Ls: brn to drk brn, fn to vry fn xln, dns, hrd, dolo, xln nclns, no vis por, no odor, NS.

LS: brn to drk brn, vry fn xln, dns, hrd, dolo, no vis por, no odor, NS.

Midnight Depth on 4/8/21: 3370'

Ls: drk brn, vry fn xln, dns, vry hrd, dolo, no vis por, no odor, NS.

Ls: AA.

Note: add more weight to bit and higher RPM.

Ls: drk brn, vry fn xln, dns, vry hrd, dolo, no vis por, NS. Trc Dolo.

Wt 9.3+ Vis 34 LCM 1

Stop drilling @3413' for bit trip. TOOH @5:30AM. It pulled tight coming through the Kansas City section. TIH @7:00AM. Drilling ahead @8:15AM.

Sample has alot of trash in it, almost all shale.

Sample is still carrying shale. Ls: drk brn, fn xln, dns, dolo, no vis por, NS.

Ls: increasing in darkness, drk brn to occ drk grt, vry fn xln, dns, dolo, pr vis por, no odor, NS.

Fud Mud Check: Wt 9.4, Vis 40, Chloride 1,300 LCM 2

Ls: drk gry, vry fn xln, dns, dolo, pr to no vis por, no odor, NS.

Ls: AA.

Ls: AA.

Ls: AA.

Ls: gry to drk gry, fn xln, dns, frm, dolo, pr vis por, no odor, NS.

Ls: gry to occ drk gry, fn xln, dns, dolo, pr vis por, NS

Ls: gry to drk gry, fn xln, dns, dolo, pr vis por, no flor, NS.

Ls: gry to trc lt gry, fn xln, dns, sli dolo, pr vis por, no odor, no flor, NS.

Noon Depth on 4/9/21: 3533'

Lost circulation @3533'. Got it back & start drilling @1:15PM. Drilled 5' and lost it again. Dry drilled till ran out of fluid @3551.

Kinderhook
3544' (-2258)

Sample has mostly LCM in it.

Started mixing mud & working pipe @2:00PM. Ran out of hulls & had to wait on more to show up. Once shown up, mixed more mud and got circulation back @11:30PM. Circ for 1

RTD

RTD: 3551'

hr before TOOH for logs. TOOH @12:45PM.

RTD: 3551' @2:00PM on 4/9/21
LTD: 3550' @7:00AM on 4/10/21

Note: Lost circulation while cementing.

3551 (-2265)

Midnight Depth on 4/9/21: 3551'