

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
--	---

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
---	---	------------------------------------

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:	
----------------	-------	---------	------------	--



HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202
316-303-9515

Customer:
C & G DRILLING INC
701 EAST RIVER ST
EUREKA, KS 67045

Invoice Date: 6/11/2024
Invoice #: 0376997
Lease Name: Harder
Well #: 1 (New)
County: Butler, Ks
Job Number: EP13736
District: Eureka

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Depth Charge 0'-500'	1.000	1,000.000	1,000.00
Heavy Equipment Mileage	45.000	4.000	180.00
Light Eq Mileage	45.000	2.000	90.00
Ton Mileage	289.400	1.500	434.10
Cement Class A	130.000	20.000	2,600.00
Calcium Chloride	365.000	0.750	273.75
Bentonite Gel	245.000	0.450	110.25
Cello Flake	32.000	1.750	56.00

Handwritten:
✓
6561
6-21-24

Total 4,744.10

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!



Customer	C & G Drilling, Inc	Lease & Well #	Harder #1	Date	6/11/2024	
Service District	Eureka	County & State	Butler, KS	Job #		
Job Type	Surface	<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	Legals S/T/R	<input checked="" type="checkbox"/> New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Ticket #	EP 13736

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
1005	Russell McCoy	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
1201	Alan Mead	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
1213	Dan Butler	<input type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
Extra	Jason McCoy	<input type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

Product/Service Code	Description	Unit of Measure	Quantity	Net Amount
D010	Depth Charge: 0'-500'	job	1.00	\$1,000.00
M010	Heavy Equipment Mileage	mi	45.00	\$180.00
M015	Light Equipment Mileage	mi	45.00	\$90.00
M020	Ton Mileage	tm	289.40	\$434.10
CP010	Class A Cement	sack	130.00	\$2,600.00
CP100	Calcium Chloride	lb	365.00	\$273.75
CP095	Bentonite Gel	lb	245.00	\$110.25
CP120	Cello-flake	lb	32.00	\$56.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?									Net:	\$4,744.10
--	--	--	--	--	--	--	--	--	------	------------

Based on this job, how likely is it you would recommend HSI to a colleague?																		Total Taxable	\$ -	Tax Rate:		Net:		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.				Sale Tax:	\$ -								
#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####					Total:	\$ 4,744.10								

HSI Representative: *Thank you! Russell McCoy*

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

Witnessed by Tim Stack

CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPORT

Customer: C & G Drilling, Inc	Well: Harder #1	Ticket: EP 13736
City, State:	County: Butler, KS	Date: 6/11/2024
Field Rep:	S-T-R:	Service: Surface

Downhole Information

Hole Size:	12 1/4 in
Hole Depth:	224 ft
Casing Size:	8 5/8 in
Casing Depth:	209 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	12.5 bbls

Calculated Slurry - Lead

Blend:	Class A 3%, 2% 1/4#
Weight:	15.2 ppg
Water / Sx:	gal / sx
Yield:	1.38 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	32.0 bbls
Total Sacks:	130 sx

Calculated Slurry - Tail

Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE	TOTAL	REMARKS
			BBLs	BBLs	
			-	-	Safety Meeting.
			-	-	Rigged up to 8 5/8" casing.
4.0	50.0	10.0	10.0	10.0	Break circulation with 10 BBI of fresh water.
5.0	50.0	32.0	42.0	42.0	Mixed 130 sacks Class A Cement with 3% Calcz, 2% Gel, 1/4# Cello-flakes/sk @ 15.2 PPG, yield 1.38 = 32 BBI slurry.
5.0	85.0	12.3	54.3	54.3	Displace 11th 12.3 BBI fresh water. Shut down. Close casing in.
			54.3	54.3	Good cement returns to surface = 11 BBI slurry to pit.
			54.3	54.3	Job complete.
			54.3	54.3	Tear down.
			54.3	54.3	
			54.3	54.3	
			54.3	54.3	

Crew / Unit	CREW	UNIT	SUMMARY			
	Cementer:	Russell McCoy	1005	Average Rate	Average Pressure	Total Fluid
	Pump Operator:	Alan Mead	1201	4.7 bpm	62 psi	54 bbls
Bulk #1:	Dan Butler	1213				
Bulk #2:	Jason McCoy	Extra				



HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202
316-303-9515

Customer:
C & G DRILLING INC
701 EAST RIVER ST
EUREKA, KS 67045

Invoice Date: 6/13/2024
Invoice #: 0377003
Lease Name: Harder
Well #: 1 (New)
County: Butler, Ks
Job Number: EP13772
District: Eureka

Date/Description	HRS/QTY	Rate	Total
Longstring	0.000	0.000	0.00
Depth Charge 2001'-3000'	1.000	2,000.000	2,000.00
Heavy Equipment Mileage	45.000	4.000	180.00
Light Eq Mileage	45.000	2.000	90.00
Ton Mileage	425.590	1.500	638.39
Thixotropic	165.000	30.000	4,950.00
Pheno Seal	330.000	1.750	577.50
5 1/2" Floatshoe-Flapper AFU	1.000	375.000	375.00
5 1/2" LD Plug & Baffle	1.000	350.000	350.00
Centralizers 5 1/2"	2.000	60.000	120.00
Casing Swivel	1.000	150.000	150.00
KCL-CS701	1.000	30.000	30.00
Service Supervisor	1.000	275.000	275.00

VH
6561
6-21-24

Total 9,735.89

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 1/2% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!



Customer	C & G Drilling, Inc	Lease & Well #	Harder #1	Date	6/13/2024
Service District	Eureka	County & State	Butler, KS	Legals S/T/R	13 24S 4E
Job Type	Longstring	<input checked="" type="checkbox"/> PROD	<input checked="" type="checkbox"/> INJ	<input type="checkbox"/> SWD	Job #
					EP13772
				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> No
					Ticket #

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
1003	David	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
1203	Broker	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
1215	Monty	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
		<input type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

Comments
 API# 15-015-24230. RTD-2580' KB. 5 1/2" 17# New Casing set @ 2563.55' GL. Rotate casing while displacing plug. Centralizers on #1,3,4,5,6,7. Note: 4 Centralizers supplied by C & G Drlg. 2 supplied by HSI. Cement Longstring w/ 130 sks, Plug RH w/ 20 sks, MH w/ 15 sks.

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
D013	Depth Charge: 2001'-3000'	job	1.00	\$2,000.00
M010	Heavy Equipment Mileage	mi	45.00	\$180.00
M015	Light Equipment Mileage	mi	45.00	\$90.00
M020	Ton Mileage	tm	425.59	\$638.39
CP060	H854 Thixo	sack	165.00	\$4,950.00
CP125	Pheno Seal	lb	330.00	\$577.50
FE145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00	\$375.00
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00	\$350.00
FE125	5 1/2" Centralizer	ea	2.00	\$120.00
C040	Casing Swivel	job	1.00	\$150.00
AF055	Liquid KCL Substitute	gal	1.00	\$30.00
R061	Service Supervisor	day	1.00	\$275.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Total Taxable	\$ -	Tax Rate:		Net:	\$9,735.89
Based on this job, how likely is it you would recommend HSI to a colleague?		State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.	Sale Tax:		\$ -	Total:	\$ 9,735.89
<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10							

HSI Representative: *David Gardner*

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

Judd Gulick

CUSTOMER AUTHORIZATION SIGNATURE

C & G Drilling, Inc.

Eureka, Kansas

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

Well Name: Harder #1
API: 15-015-24230
Location: S/2 SW SW NW Section 13-T24S-R4E
License Number: 32701
Spud Date: 6-11-24
Surface Coordinates:
Region: Butler County
Drilling Completed: 6-13-24

Bottom Hole
Coordinates:
Ground Elevation (ft): 1408
Logged Interval (ft): 2000
Formation: Kinderhook
Type of Drilling Fluid: Chemical
K.B. Elevation (ft): 1417
Total Depth (ft): 2580
To: R.T.D

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

OPERATOR

Company: C & G Drilling, Inc.
Address: 701 E. River Street
Eureka, Kansas 67045-2100

GEOLOGIST

Name: William M. Stout
Company:
Address: 1441 N. Rock Road #1903
Wichita, Kansas 67206

CASING

Set 217' 8 5/8" surface casing @ 220' w/ 130 sacks cement.
5 1/2" production casing.

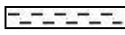

COMMENTS

The decision was made to set and cement 5 1/2" casing to further evaluate the Mississippi through perforations.

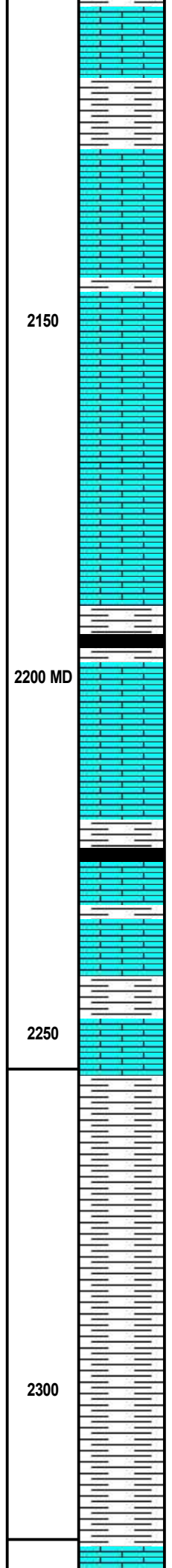
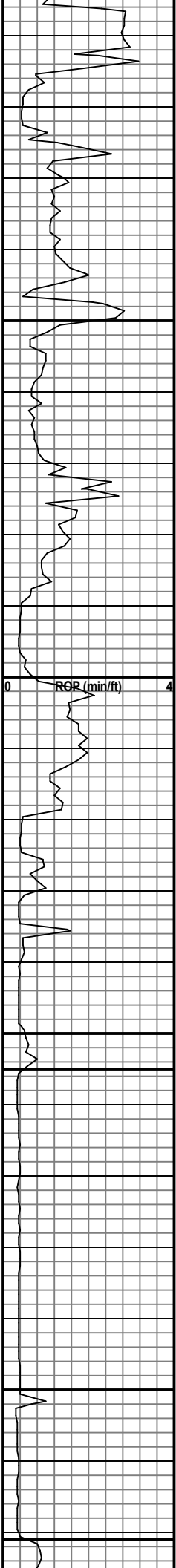
FORMATION TOPS

G.L.	1408	K.B.	1417
Sample	Log		
Kansas City	2098 -681	2096 -679	
BKC	2255 -838	2252 -835	
Marmaton	2321 -904	2318 -901	
Altamont	2361 -944	2359 -942	
Pawnee	2396 -979	2394 -977	
Cherokee	2446 -1029	2443 -1026	
Mississippi	2470 -1053	2468 -1051	
Miss Lime	2543 -1126	2540 -1123	
Kinderhook	2572 -1155	2568 -1151	
Total Depth	2580 -1163	2579 -1162	

ROCK TYPES

 Anhy	 Clyst	 Gyp	 Mrlst	 Shgy
 Bent	 Coal	 Igne	 Salt	 Slstst
 Brec	 Congl	 Lmst	 Shale	 Ss
 Cht	 Dol	 Meta	 Shcol	 Till

Curve Track 1 ROP (min/ft) _____	MD	Lithology	Geological Descriptions	Remarks
ROP (min/ft) 4	2000	Oil Shows		7:45 pm 6-12-24
	2050		Sh- gy, lt gy, sdy, s/ red.	
			Sh- gy, lt gy, sdy.	
			Sh- a.a.	
			Sh- a.a., s/ sdy.	
			Sh- gy, m gy.	
	2100		Ls- lt bm, bm, lt gy, f-x, fos, dns, NS, w/ Sh- a.a.	Kansas City 2098' -681 e-log -679



Ls- lt bm, f-x, fos, dns, w/ Sh- gy, gm.

Ls- lt bm, lt gy, f-x, fos, dns, NS.

Ls- a.a.

2150

Ls- lt bm, f-x, fos, s/ dns, sli chky, NS, s/ Sh- gy, dk gy.

Ls- bm, lt bm, f-x, fos, chky, ool, NS.

Ls- lt bm, bm, f-x, fos, s/ chky, NS.

2200 MD

Sh- gy, dk gy, s/ blk, w/ Ls- a.a.

Ls- lt bm, f-x, fos, dns, NS.

Sh- dk gy, blk, w/ Ls- a.a.

Ls- bm, gy, f-x, fos, s/ dns, arg, NS, Sh- a.a.

2250

Sh- gm, gy, s/ sdy, plenty Ls- a.a., tr Ss- lt bm, f-gm, calc, arg.

Sh- gy, mica, sdy.

Sh- gy, dk gy, sdy, mica.

2300

Sh- a.a.

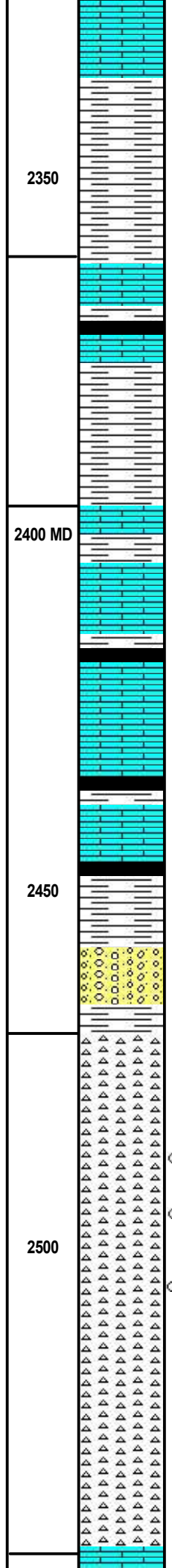
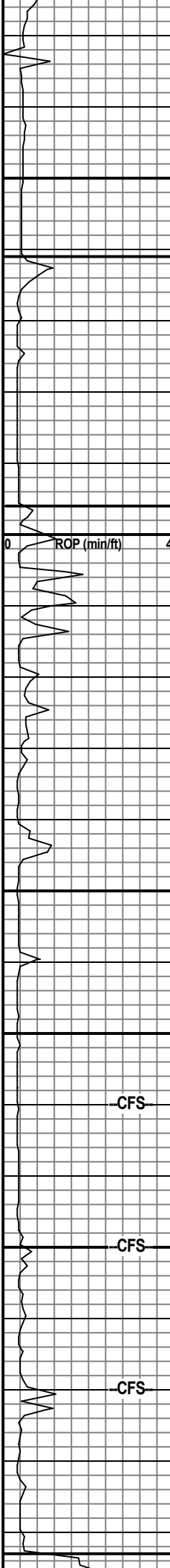
Sh- gy, dk gy, sdy.

Vis. 36
Wt. 9.2

Base Kansas City 2255' -838
e-log -835

Marmaton 2321' -904

e-log -901



Sh- a.a., Ls- lt bm, f-x, few fos, dns.

Sh- gy, m gy.

Ls- lt bm, f-x, few fos, Sh- gy, gm.

Ls- a.a., w/ Sh- gy, gm, red, s/ blk.

Sh- gy, gm, dk gy.

Ls- lt bm, bm, gy, f-x, few fos, dns, NS, NV por.

Ls- a.a., Sh- blk, s/ carb.

Ls- lt bm, bm, f-x, few fos, dns, w/ Sh- a.a.

Ls- lt bm, bm, gy, f-x, dns, NS, Sh dk gy, blk.

Sh- gy, gm, red, w/ Ls- a.a., washes red.

Sh & Ls- a.a., s/ Ss- lt gm, lt gy, f-gm, arg, NS, NV por, tr, Cht- off wht, opq.

Cht- wht, lt bm, opq, mostly wea, NS, Sh Ss & Ls- a.a.

Cht- wht, lt bm, opq, wea, no odor, scat lt stn, SFO when broken, scat pp & vug por, bright fluor 5-10%.

Cht- a.a., w/ inc fresh, s/ trans.

Cht- wht, lt bm, opq to trans, inc fresh, tr lt stn, dec fluor.

Cht- wht, opq, mostly fresh, NS.

Cht- a.a.

Wiper trip @ 2333'
Back drilling 3:50 am 6-13-24

Altamont 2361' -944

e-log -942

Pawnee 2396' -979

e-log -977

Vis. 48
Wt. 9.2

Mississippi 2470 -1053

e-log -1051

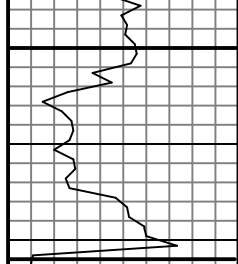

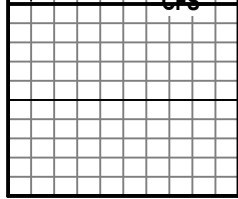
CFS @ 2480' 10-20-30 min.

CFS @ 2500' 10-20-30 min.

CFS @ 2520' 10-20-30 min.

Mississippi Lime 2470' -1053

e-log -1122

	<p>2550</p>	<p>Ls- lt bm, f to m-x, dns, NS, s/ Sh- gy, red.</p>	<p>e-log -1123</p>
<p>CFS</p>		<p>Ls- a.a.</p>	<p>Kinderhook 2572' -1155</p>
	<p>2600 MD</p>	<p>Sh- gy, dk gy, gm.</p>	<p>e-log -1151</p> <p>R.T.D. 2580' -1163 e-log -1162 9:00 am 6-13-24</p>