

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 Recompletion Date \_\_\_\_\_ 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](mailto: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	Chieftain Oil Co., Inc.
Well Name	DIEL 7
Doc ID	1644009

All Electric Logs Run

Sonic Log
Frac-Finder Log
Dual Induction Log
Micro Log
Compensated Density/Neutron PE Log



Conservation Division  
266 N. Main St., Ste. 220  
Wichita, KS 67202-1513



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Dwight D. Keen, Chair  
Susan K. Duffy, Commissioner  
Andrew J. French, Commissioner

Laura Kelly, Governor

December 19, 2022

Ryan Molz  
Chieftain Oil Co., Inc.  
101 S. 5TH ST.  
PO BOX 124  
KIOWA, KS 67070-0124

Re: ACO-1  
API 15-007-24433-00-00  
DIEL 7  
SW/4 Sec.03-34S-11W  
Barber County, Kansas

Dear Ryan Molz:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 07/26/2022 and the ACO-1 was received on December 13, 2022 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

# David A. Barker

CONSULTING GEOLOGIST

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

Well Name: Diel #7  
Well Id: 15-007-24433  
Location: 3-T34S-R11W  
License Number: \_\_\_\_\_  
Spud Date: \_\_\_\_\_  
Surface Coordinates: W/2-SE-SE-SW/4  
Region: Barber County, Kansas  
Drilling Completed: 7/31/22  
Bottom Hole Coordinates: \_\_\_\_\_  
Ground Elevation (ft): 1345  
Logged Interval (ft): \_\_\_\_\_ To: K.B. Elevation (ft): 1357  
Formation: Viola  
Type of Drilling Fluid: chemical  
Total Depth (ft): 4918

Printed by WellSight LogViewer from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

## OPERATOR

Company: CHIEFTAIN OIL CO., INC.  
Address: 200 West Douglas Ave  
Suite 101  
Wichita, Kansas 67202

## GEOLOGIST

Name: David A. Barker  
Company: \_\_\_\_\_  
Address: 212 N. Market, Suite# 320  
Wichita, Kansas 67202  
(316) 259-4294, 2 [Barker@sbcglobal.net](mailto:Barker@sbcglobal.net)

## Daily Status

7-26-2022: Spud well @ 9:30 P.M.,  
7-27-2022: morning depth 675 Drill to a depth of 1013' Run 7 jts of 8 5/8" set @ 295', plug down at 3:00 P.M., 350 sxs 60/40 POZ, survey at 513', 3/4 deg, and 1013 3/4 degree, drill out plud at 11:45 P.M.  
7-28-2022: Moring depth of 1463: deviation survey's: 1554' .25 degree, 2060' .75 degree, 2563' 3/4 degree,  
7-29-2022: Morning depth: 2691, straight hole: 2563'- 3/4 degree, depth 3103'-1. degree, depth 3610'-1/2 degree,  
7-30-2022: Moring depth 4195', straight hole 4024'- 3/4 degree. lost circulation @ 4756, trip out of the hole 10 stands, mixed premix in hulls, lost between 250 to 300 BBLS of mud at 4756 and displaced 300 to 350 BBLS of salt water and salty mud out of the hole.  
7-31-2022: Morning depth 4770, drill to RTD of 4920, circulate and condition mud to run wireline logs, Trip in hole with the collars and prepare to lay down collars.  
8-01-2022: Prepare to run production casing to RTD of 4920, Run 116 JTS J55 15.5# set @ 4905'  
8-02-2022: Rig Down.

## Contractor

Fossile Drilling Rig #3, 10213 Blue Stem Blvd, Pratt, KS, 67124

### ACCESSORIES

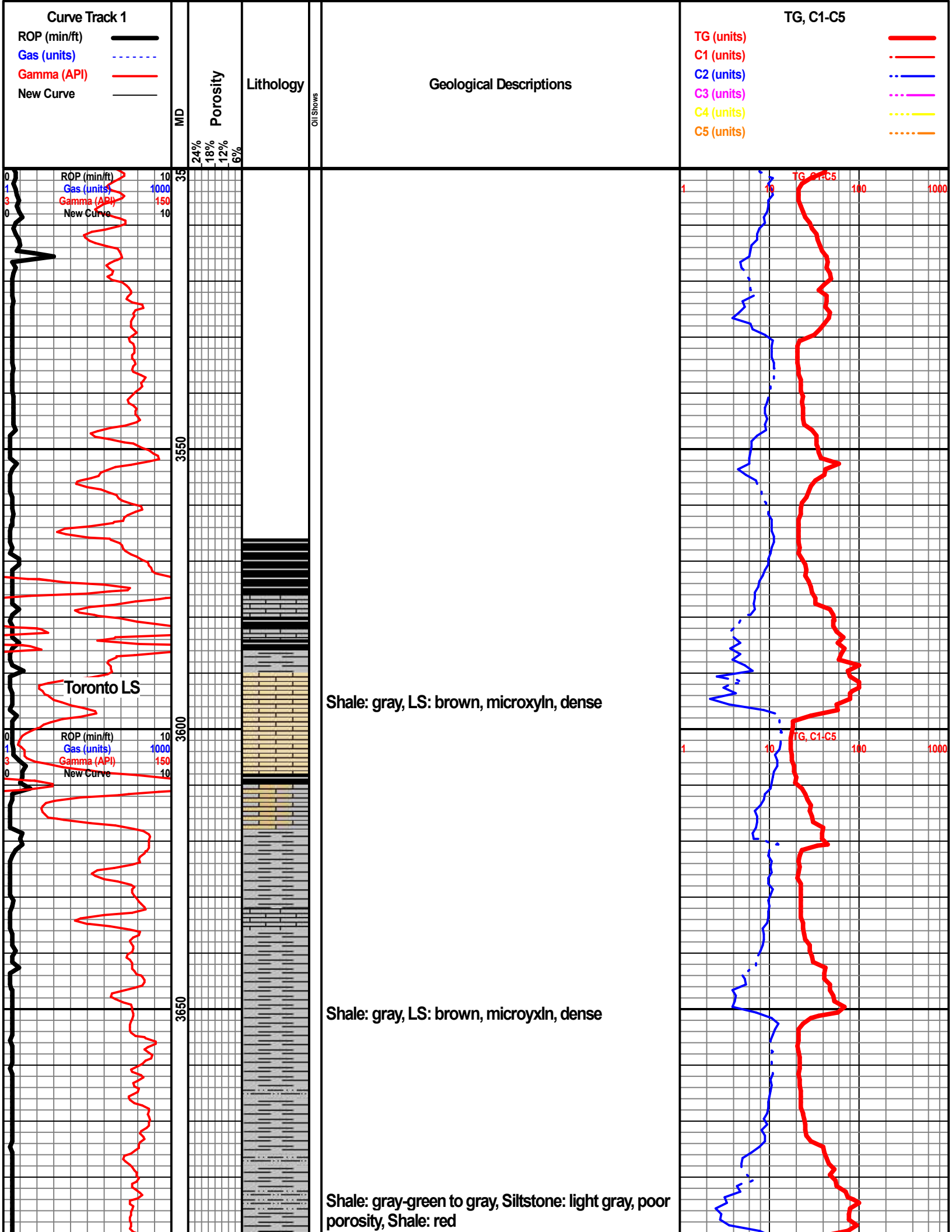
<b>FOSSIL</b>	Pisolite	Ferrpel	Sand	Lms
Algae	Plant	Ferr	Silty	Sandylms
Amph	Strom	Glau		Sh
Belm	Fuss	Gyp		Siltstn
Bioclst	Oomold	Hvymin	<b>STRINGER</b>	
Brach		Kaol	Anhy	<b>TEXTURE</b>
Bryozoa	<b>MINERAL</b>	Marl	Arg	Boundst
Cephal	Anhy	Minxl	Bent	Chalky
Coral	Arggrn	Nodule	Coal	Cryxln
Crin	Arg	Phos	Dol	Earthy
Echin	Bent	Pyr	Gyp	Finexln
Fish	Bit	Salt	Ls	Grainst
Foram	Brecfrag	Sandy	Mrst	Lithogr
Fossil	Calc	Silt	Sltstrg	Microxln
Gastro	Carb	Sil	Ssstrg	Mudst
Oolite	Chtdk	Sulphur	Carbsh	Packst
Ostra	Chtlt	Dol	Clystn	Wackest
Pelec	Dol		Dol	
Pellet	Feldspar		Grysh	
			Gryslt	

### OTHER SYMBOLS

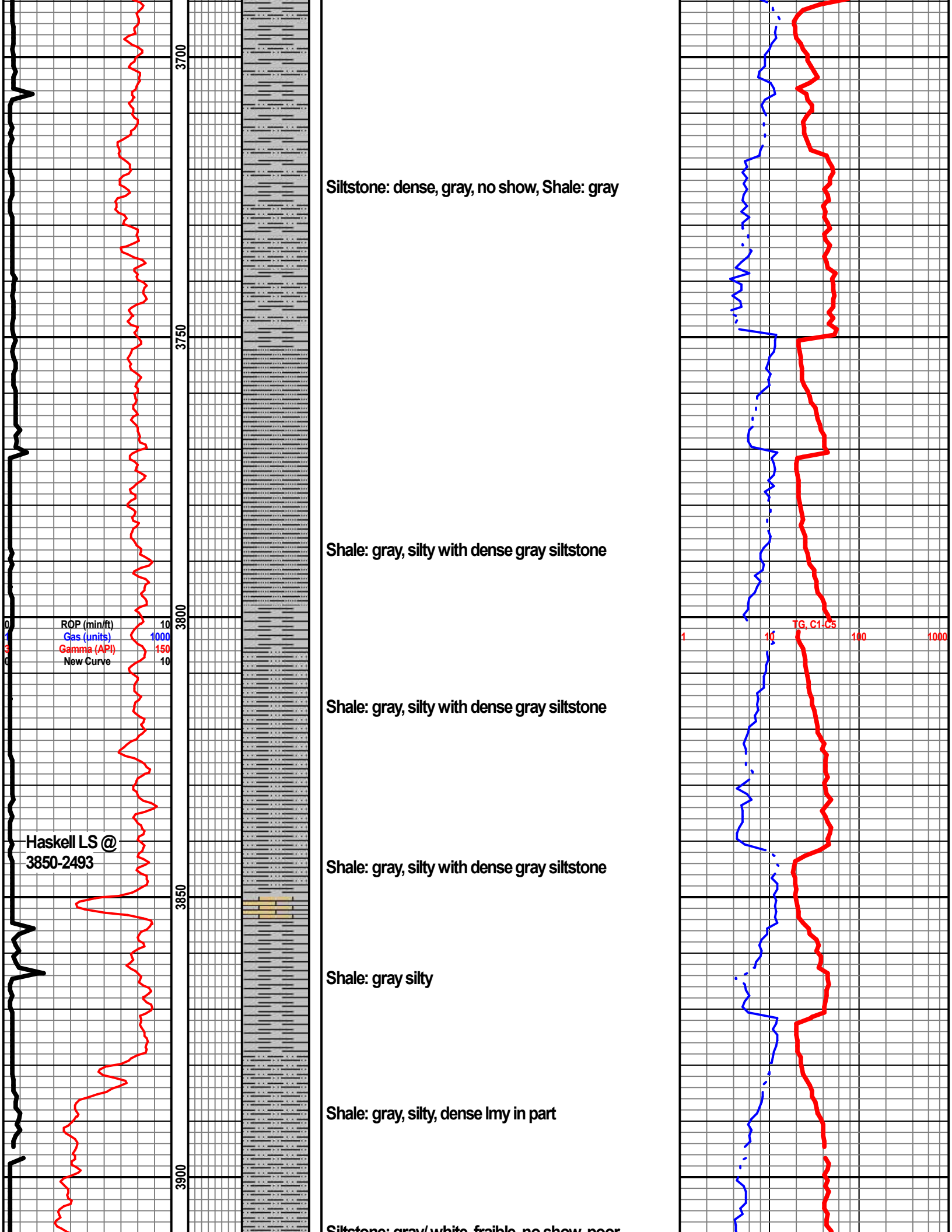
<b>INTERVALS</b>	Inter	Carb shale	Brown lmst	Poor
Core	Moldic	Gray shale	Brown shale	<b>ROUNDING</b>
Dst	Organic	Sandy lmst	Brown dol	Rounded
Dst	Pinpoint	Shale	Brown cream	Subrnd
	Vuggy	Silt stn	Brown cream	Subang
<b>EVENTS</b>		Shaly slst	D. green lmst	Angular
Rft	<b>LITHOLOGY</b>	Silty shale	pink lime	<b>OIL SHOWS</b>
Sidewall	Anhy	Blank	Light cream lmst	Even
Cfs	Chtred	Gray lmst	Gray cream lmst	Spotted
Conn	Cht	Cream lmst	Green dol	Ques
	Congl	Red shale	Gray dol	Dead
<b>POROSITY TYPE</b>	Shale	Blue-green siltstn		Gas show
Earthy	Shgy	Green shale	<b>SORTING</b>	
Fenest	gray scaless	D. green shale	Well	
Fracture	Ss	Green shale	Moderate	

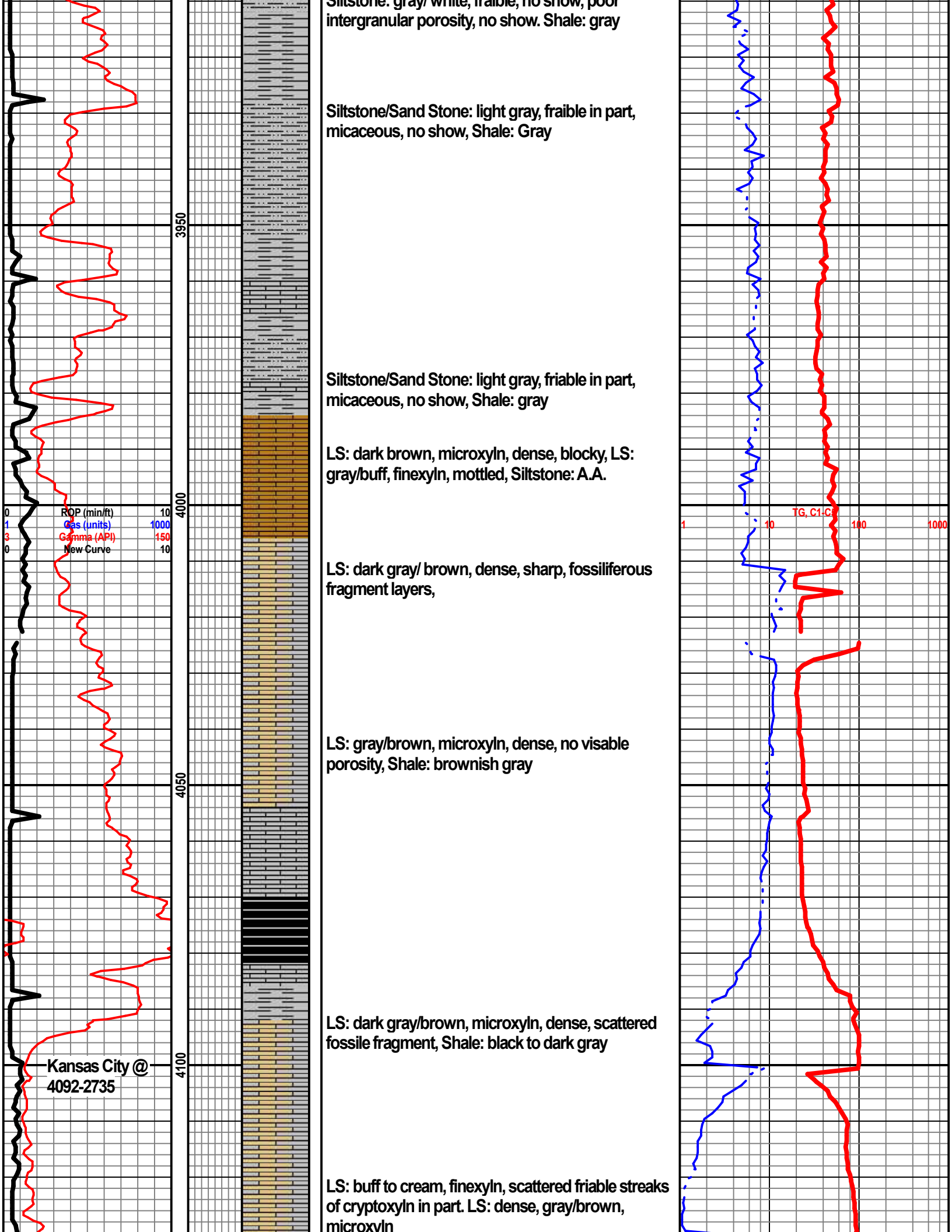
### ROCK TYPES

Anhy	Ss	Silty shale	D. green shale	D. green lmst
Chtred	Carb shale	Blank	Green shale	pink lime
Cht	Gray shale	Gray lmst	Brown lmst	Light cream lmst
Congl	Sandy lmst	Cream lmst	Brown shale	Gray cream lmst
Shale	Shale	Red shale	Brown dol	Green dol
Shgy	Silt stn	Blue-green siltstn	Brown cream	Gray dol
gray scaless	Shaly slst	Green shale	Brown cream	









Siltstone: gray/ white, friable, no show, poor intergranular porosity, no show. Shale: gray

Siltstone/Sand Stone: light gray, friable in part, micaceous, no show, Shale: Gray

Siltstone/Sand Stone: light gray, friable in part, micaceous, no show, Shale: gray

LS: dark brown, microxyln, dense, blocky, LS: gray/buff, finexyln, mottled, Siltstone: A.A.

LS: dark gray/ brown, dense, sharp, fossiliferous fragment layers,

LS: gray/brown, microxyln, dense, no visable porosity, Shale: brownish gray

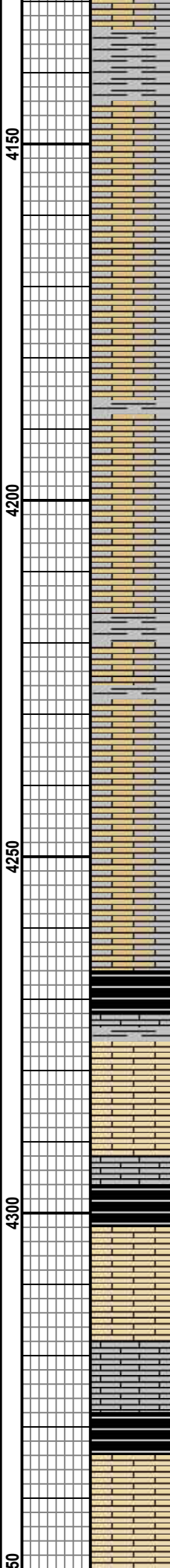
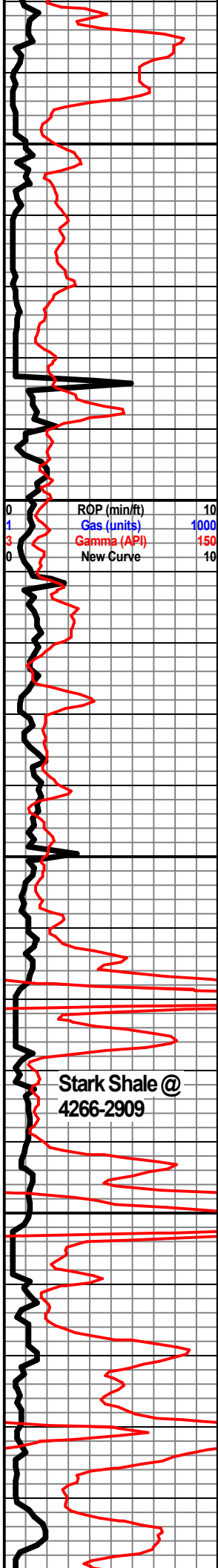
LS: dark gray/brown, microxyln, dense, scattered fossile fragment, Shale: black to dark gray

LS: buff to cream, finexyln, scattered friable streaks of cryptoxyln in part. LS: dense, gray/brown, microxyln

ROP (min/ft) 10  
 Gas (units) 1000  
 Gamma (API) 150  
 New Curve 10

Kansas City @  
 4092-2735

TG, C1, C2 1 10 100 1000



LS: cream to buff, finexyln to microxyln, no visable porosity, friable streaks, sub chlky

LS: brown, microxyln, dense, LS: dark gray, mottled, dense, cherty in part, Shale: gray, dense, limey, dark gray in part

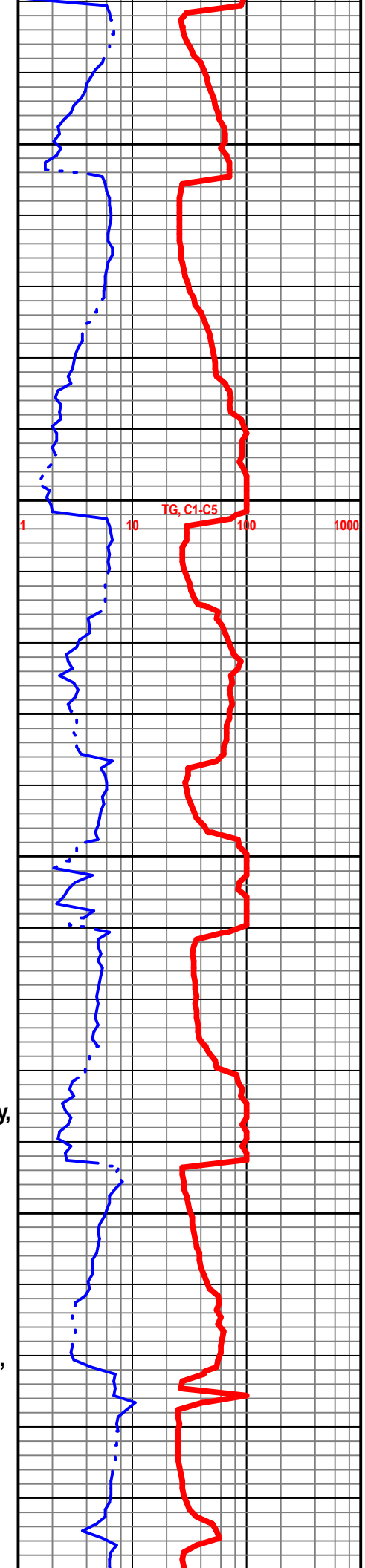
LS: dark brown, microxyln, dense, cherty, LS: gray/buff, microxyln, dense, Shale: gray

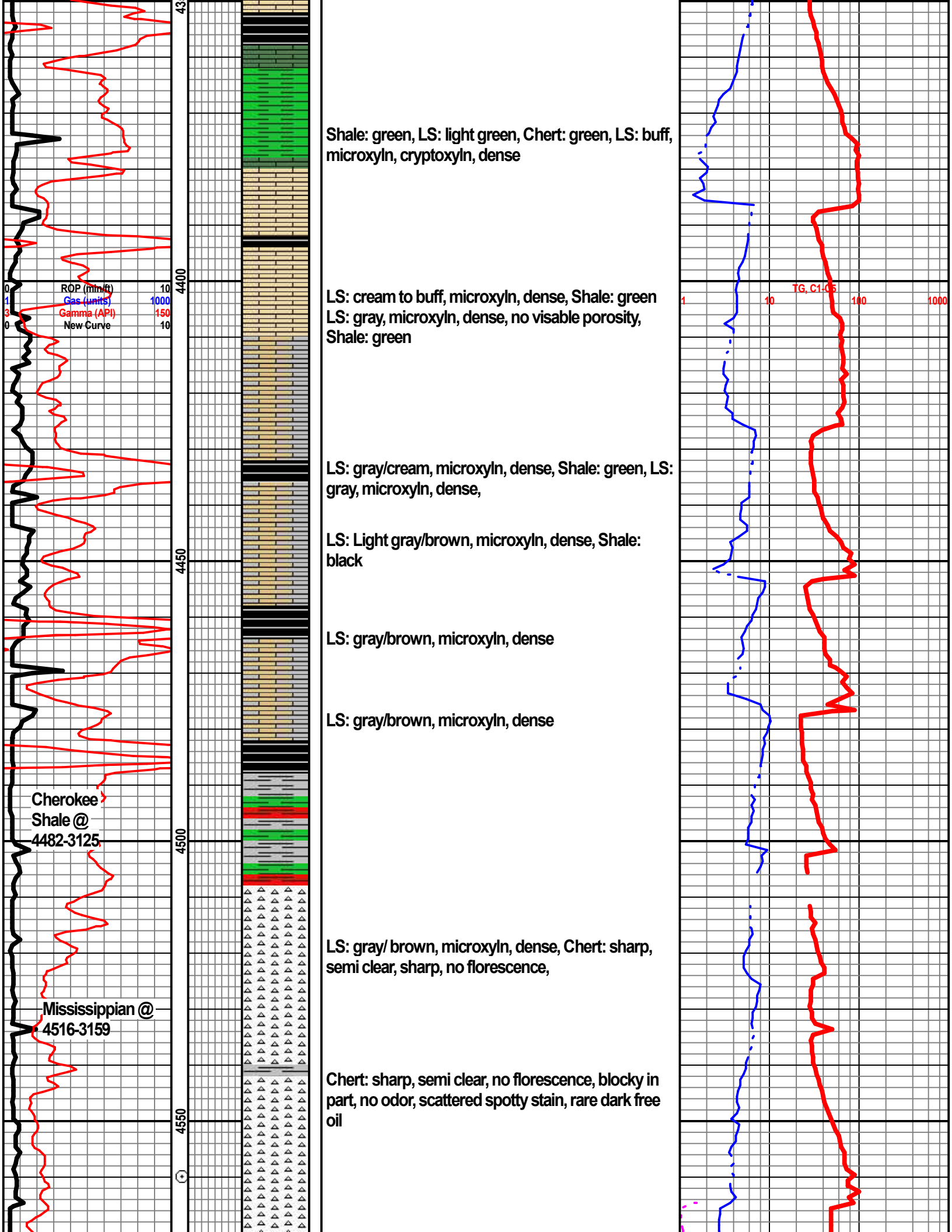
Shale: black, LS: cream/buff/light gray, finexyln to microxyln, mottled, Chert: gray/white, Sharp, mottled

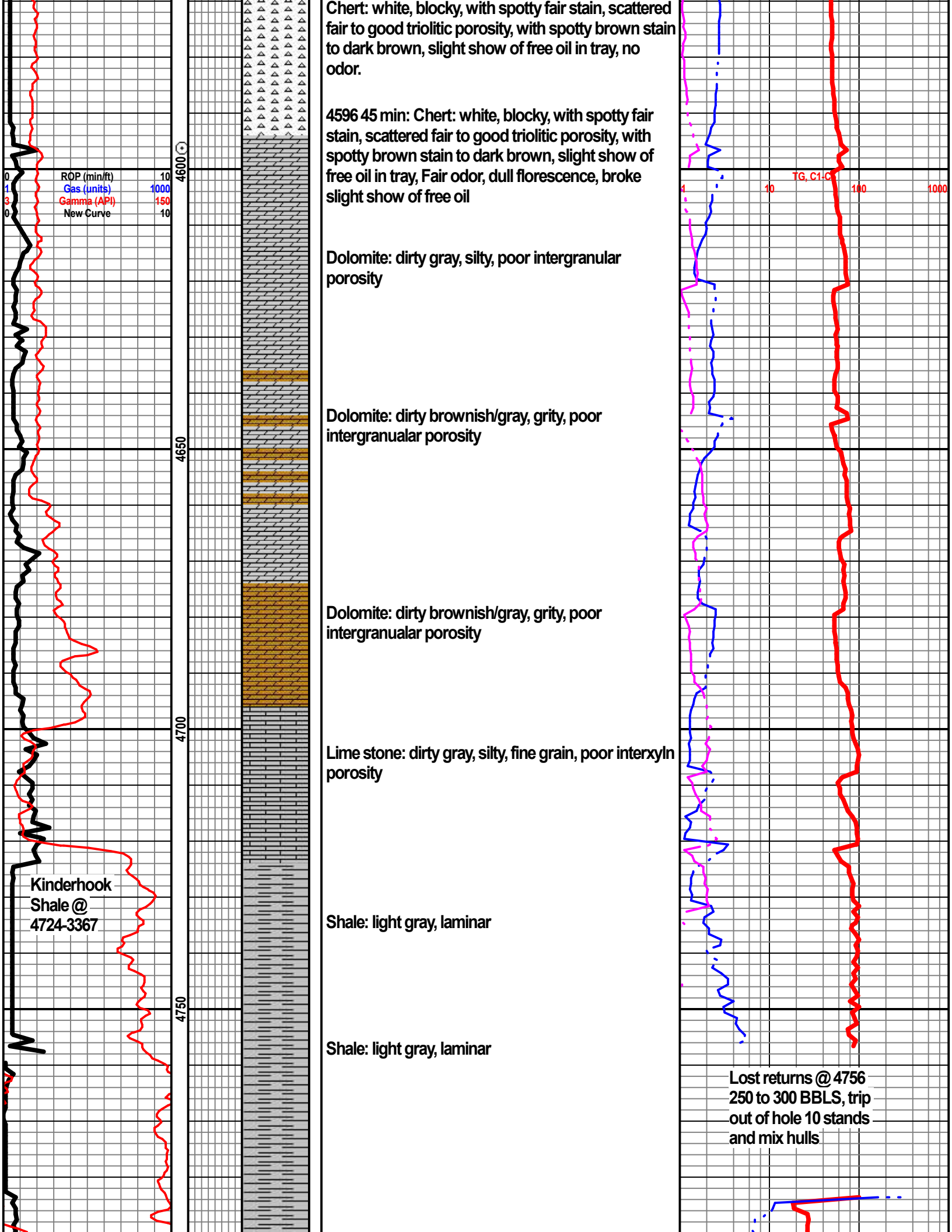
Shale: black, carboniferous, LS: gray/brown, microxyln, dense, no visable porosity, LS: light gray, mottled, dense,

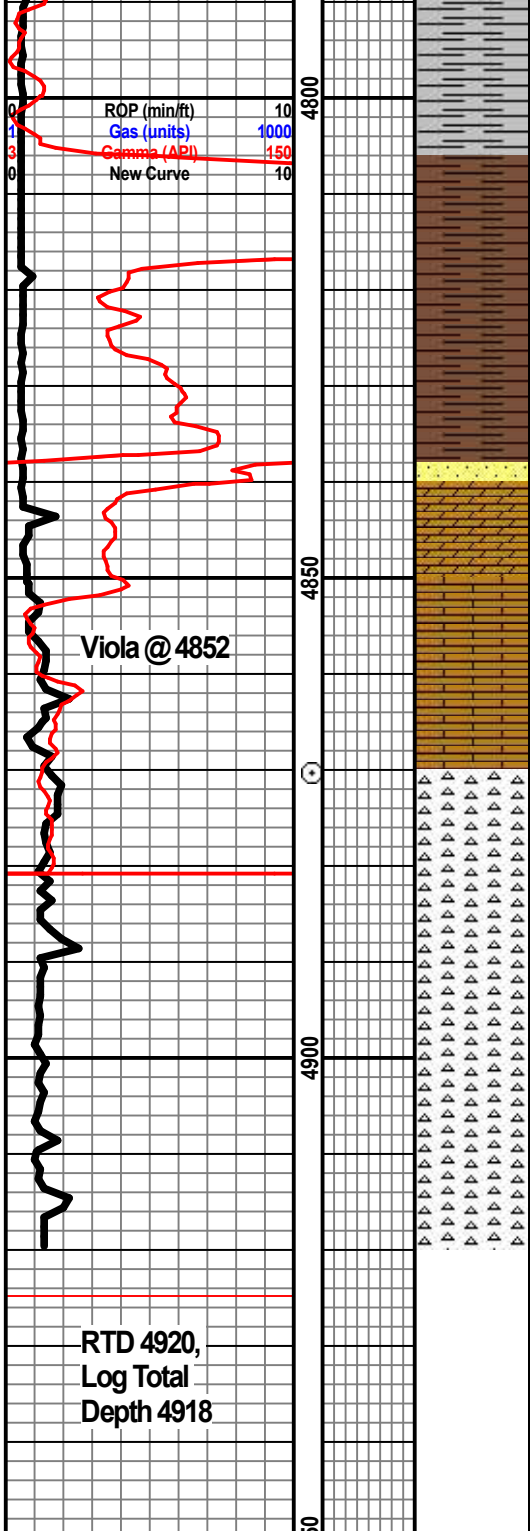
LS: cream to buff, microxyln to finexyln, dense, friable in part, no visable porosity, mottled in part.  
 LS: brown, microxyln, dense, Shale: black, carboniferous, LS: gray/brown, microxyln, mottled,

Shale black to gray, LS: buff, microxyln, dense









Shale: gray, mottled

Shale: gray, to black/dark brown, dense

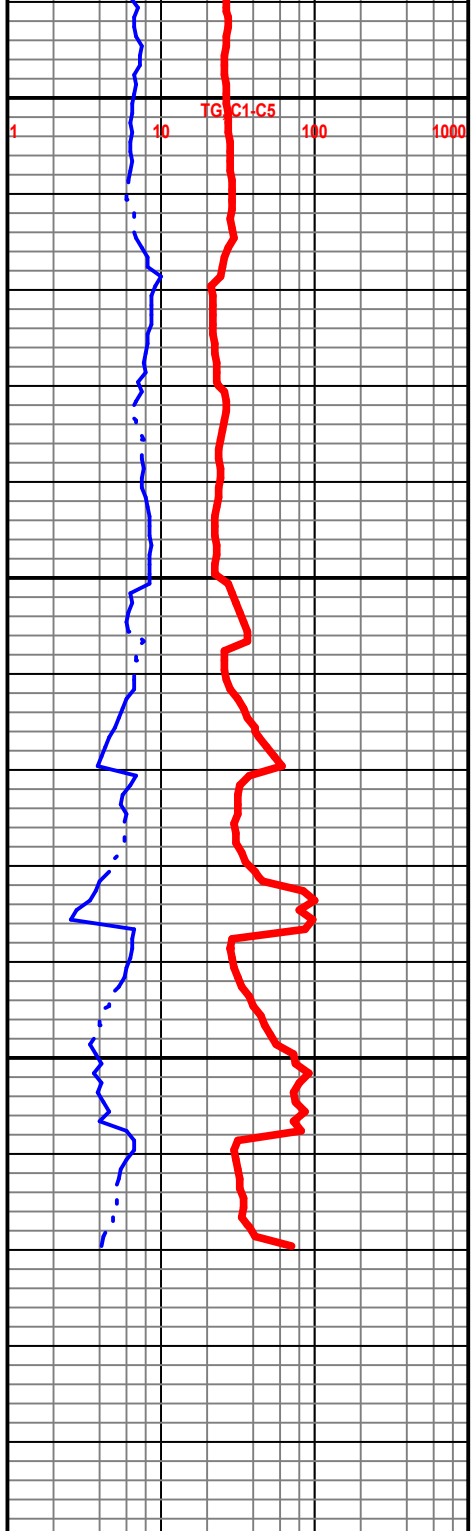
shale: brown, earthy

SD. STN: to siltstone, fine grain, light brown, poor intergranular porosity, bright fluorescence, slight odor when crushed, no show of free oil,

Shale: gray to brown, earthy, scattered fluorescence spores, Shale: black, very dense, Dolomite: dark brown, very dense, sharp

Shale: brown to black, earthy, LS: brown, buff, microxyn, dense-Viola, no show

Chert: Brown, sharp, dark brown flecks, blocky, no show





# HURRICANE SERVICES INC

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

Customer:  
CHIEFTAIN OIL CO INC  
PO BOX 124  
KIOWA, KS 67070

Invoice Date: 8/1/2022  
Invoice #: 0362308  
Lease Name: Diel  
Well #: 7 (New)  
County: Barber, Ks  
Job Number: WP3157  
District: Pratt

Date/Description	HRS/QTY	Rate	Total
Longstring	0.000	0.000	0.00
H-Long	175.000	33.600	5,880.00
H-Plug	100.000	13.440	1,344.00
Cello Flake	45.000	1.680	75.60
Gas Block	495.000	2.880	1,425.60
KOL Seal	525.000	0.720	378.00
5 1/2" Floatshoe-Flapper AFU	1.000	360.000	360.00
5 1/2" LD Plug & Baffle	1.000	336.000	336.00
Cement baskets 5 1/2"	2.000	288.000	576.00
5 1/2" Turbolizers	7.000	120.000	840.00
Light Eq Mileage	45.000	2.000	90.00
Heavy Eq Mileage	90.000	4.000	360.00
Ton Mileage	560.000	1.440	806.40
Cement Blending & Mixing	275.000	1.344	369.60
Depth Charge: 5001'-6000'	1.000	2,880.000	2,880.00
Cement Data Acquisition	1.000	240.000	240.00
Service Supervisor	1.000	275.000	275.00
Cement Plug Container	1.000	240.000	240.00
Cement Pump-Hourly Service	4.000	175.000	700.00

**ENTERED**

AUG 24 2022

9304 BC

**Total** 17,176.20

**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!**

X



Customer	CHIEFTAIN OIL CO., INC.	Lease & Well #	DIEL #7		Date	8/1/2022
Service District	PRATT, KS.	County & State	BARBER, KS.	Legals SIT/R	3-34S-11W	Job #
Job Type	LONGSTRING	<input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Ticket # WP 3157	

Equipment #	Driver	Job Safety Analysts - A Discussion of Hazards & Safety Procedures			
926	LESLEY	<input type="checkbox"/> Hard hat	<input type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
176-522	MATTAL	<input type="checkbox"/> H2S Monitor	<input type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
182-534	TREVNO	<input type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations
		<input type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input type="checkbox"/> Muster Point/Medical Locations
		<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	
<b>Comments</b>					
5 1/2" LONGSTRING					

Product/Service Code	Description	Unit of Measure	Quantity	Net Amount
CP030	H-Long	sack	175.00	\$5,880.00
CP055	H-Plug	sack	700.00	\$1,344.00
CP120	Cello-flake	lb	45.00	\$75.60
CP155	Gas Block	lb	695.00	\$1,425.60
CP110	Kol Seal	lb	525.00	\$378.00
FE145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00	\$360.00
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00	\$336.00
FE130	5 1/2" Cement Basket	ea	1.00	\$576.00
FE135	5 1/2" Turbolizer	ea	7.00	\$840.00
MC15	Light Equipment Mileage	ml	45.00	\$90.00
MC10	Heavy Equipment Mileage	ml	90.00	\$360.00
MC20	Ton Mileage	tm	500.00	\$806.40
CO60	Cement Blending & Mbdng Service	sack	275.00	\$369.60
CO16	Depth Charge: 5001'-8000'	job	1.00	\$2,880.00
CO35	Cement Data Acquisition	job	1.00	\$240.00
ROB1	Service Supervisor	day	1.00	\$275.00
CO50	Cement Plug Container	job	1.00	\$240.00
CO25	Cement Pump - Hourly Service	hr	4.00	\$700.00

Customer Section. On the following state form, file a return to Hurricane Services, Inc.?		Net:	\$17,176.20	
Based on this job, how likely is it you would recommend HSI to a colleague?		Total Taxable \$	-	
<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 <small>Unlikely</small> <small>Extremely Likely</small>		Tax Rate:		
		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: \$	17,176.20
		HSI Representative:	<i>KEVEN LESLEY</i>	

**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 3/4% 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 effect 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.

X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**





**CEMENT TREATMENT REPORT**

Customer: <b>CHIEFTAIN OIL CO., INC.</b>	Well: <b>DIEL #7</b>	Ticket: <b>WP 3157</b>
City, State:	County: <b>BARBER, KS.</b>	Date: <b>8/1/2022</b>
Field Rep:	S-T-R: <b>3-34S-11W</b>	Service: <b>LONGSTRING</b>

Downhole Information	
Hole Size:	<b>7 7/8 in</b>
Hole Depth:	<b>ft</b>
Casing Size:	<b>5 1/2 in</b> 15.5#
Casing Depth:	<b>4895.11 ft</b>
SHOE JT:	<b>42 1/2 ft</b>
PLUG Depth:	<b>4852.64 ft</b>
Tool / Packer:	
Landing Jt:	<b>15 ft</b>
Displacement:	<b>115.8 bbls</b>

Calculated Slurry - Lead	
Blend:	<b>SCAVENGER</b>
Weight:	<b>13.8 ppg</b>
Water / Sx:	<b>6.9 gal / sx</b>
Yield:	<b>1.43 ft<sup>3</sup> / sx</b>
Annular Bbls / Ft.:	<b>bbs / ft.</b>
Depth:	<b>ft</b>
Annular Volume:	<b>0.0 bbls</b>
Excess:	
Total Slurry:	<b>13.0 bbls</b>
Total Sacks:	<b>50 sx</b>

Calculated Slurry - Tail	
Blend:	<b>H-LONG</b>
Weight:	<b>15 ppg</b>
Water / Sx:	<b>5.5 gal / sx</b>
Yield:	<b>1.43 ft<sup>3</sup> / sx</b>
Annular Bbls / Ft.:	<b>bbs / ft.</b>
Depth:	<b>ft</b>
Annular Volume:	<b>bbls</b>
Excess:	
Total Slurry:	<b>44.6 bbls</b>
Total Sacks:	<b>175 sx</b>

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
6:20AM			-	-	ON LOCATION- SPOT EQUIPMENT
10:16AM			-	-	RUN 116 JTS 5 1/2" X 15.6# CASING
///////			-	-	TURBOLIZERS- 2,4,6,8,10,12,14
///////			-	-	BASKETS- BOTTOM OF 2 AND 8
1:15PM			-	-	CASING ON BOTTOM
1:30PM			-	-	
	3.0	-	7.0	7.0	PLUG RATHOLE WITH 30 SKS H-PLUG @ 13 PPG
	3.0	-	5.0	12.0	PLUG MOUSEHOLE WITH 20 SKS H-PLUG @ 13 PPG
3:00PM	5.0	250.0	5.0	17.0	H2o AHEAD
3:02PM	5.0	250.0	13.0	30.0	MIX 50 SKS SCAVENGER @ 13.8 PPG
3:04PM	5.0	200.0	44.5	74.5	MIX 175 SKS H- LONG CEMENT @ 15 PPG
3:38PM					SHUT DOWN- CLEAR PUMP AND LINES- DROP LATCH DOWN PLUG
3:42PM	6.0	200.0	-		START DISPLACEMENT
3:50PM	6.0	700.0	76.0		LIFT PRESSURE
C025	4.0	900.0	110.0		
4:00PM	4.0	1,500.0	115.8		PLUG DOWN- HELD
					CIRCULATION THRU JOB
					WASH UP PUMP TRUCK
					JOB COMPLETE,
					THANKS- KEVEN AND CREW

	CREW		UNIT	SUMMARY		
				Average Rate	Average Pressure	Total Fluid
Cementer.	<b>LESLEY</b>		<b>926</b>	<b>4.6 bpm</b>	<b>444 psi</b>	<b>376 bbls</b>
Pump Operator.	<b>MATTAL</b>		<b>176-522</b>			
Bulk #1:	<b>TREVINO</b>		<b>182-534</b>			
Bulk #2:						



# HURRICANE SERVICES INC

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

Customer:  
CHIEFTAIN OIL CO INC  
PO BOX 124  
KIOWA, KS 67070

Invoice Date: 7/27/2022  
Invoice #: 0362190  
Lease Name: Diel  
Well #: 7 (New)  
County: Barber, Ks  
Job Number: WP3129  
District: Pratt

Date/Description	HRS/QTY	Rate	Total
Surface Pipe	0.000	0.000	0.00
Cement Pozmix 60/40	350.000	14.400	5,040.00
Calcium Chloride	903.000	0.720	650.16
Cello Flake	88.000	1.680	147.84
Light Eq Mileage	45.000	1.920	86.40
Heavy Eq Mileage	90.000	3.840	345.60
Ton Mileage	677.000	1.440	974.88
Cement Blending & Mixing	350.000	1.344	470.40
Depth Charge 0'-500'	1.000	960.000	960.00
Cement Data Acquisition	1.000	240.000	240.00
Service Supervisor	1.000	275.000	275.00

**ENTERED**

AUG 24 2022

9121 BC

**Total** 9,190.28

**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!**

X



Customer	CHIEFTAIN OIL CO., INC.	Lease & Well #	DIEL #7		Date	7/27/2022	
Service District	PRATT, KS.	County & State	BARBER, KS.	Legals S/T/R	3-34S-11W	Job #	
Job Type	SURFACE PIPE	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Ticket #
Equipment #	Driver	<b>Job Safety Analysis - A Discussion of Hazards &amp; Safety Procedures</b>					
926	LESLEY	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging		
523-522	OSBORN	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection		
526-256	TREVINO	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations		
		<input checked="" 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 checked="" type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below			
<b>Comments</b>							
300' 8 5/8" SURFACE CASING							
<b>Product/ Service Code</b>							
	<b>Description</b>	<b>Unit of Measure</b>	<b>Quantity</b>			<b>Net Amount</b>	
CP070	60/40/2 Pozmix	sack	350.00			\$5,040.00	
CP100	Calcium Chloride	lb	903.00			\$650.16	
CP120	Cello-flake	lb	88.00			\$147.84	
M015	Light Equipment Mileage	mi	45.00			\$86.40	
M010	Heavy Equipment Mileage	mi	90.00			\$345.60	
M020	Ton Mileage	tn	677.00			\$974.88	
C060	Cement Blending & Mixing Service	sack	350.00			\$470.40	
D010	Depth Charge: 0'-500'	job	1.00			\$960.00	
C035	Cement Data Acquisition	job	1.00			\$240.00	
R061	Service Supervisor	day	1.00			\$275.00	
Customer Section: On the following scale how would you rate Hurricane Services Inc.?						Net: \$9,190.28	
Based on this job, how likely is it you would recommend HSI to a colleague?						Total Taxable \$ - Tax Rate: -	
<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.	
Utility 1    2    3    4    5    6    7    8    9    10    Extremely Likely						Sales Tax: \$ -	
						Total: \$ 9,190.28	
HSI Representative: <b>KEVEN LESLEY</b>							

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X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**



**CEMENT TREATMENT REPORT**

Customer: <b>CHIEFTAIN OIL CO., INC.</b>	Well: <b>DIEL #7</b>	Ticket: <b>WP3129</b>
City, State:	County: <b>BARBER, KS.</b>	Date: <b>7/27/2022</b>
Field Rep:	S-T-R: <b>3-34S-11W</b>	Service: <b>SURFACE PIPE</b>

Downhole Information	
Hole Size:	<b>12 1/4 in</b>
Hole Depth:	<b>1013 ft</b>
Casing Size:	<b>8 5/8 in</b>
Casing Depth:	<b>295.88 ft</b>
LANDING JT.	<b>14 FT</b>
PLUG DEPTH	<b>289.88 ft</b>
Tool / Packer:	
Tool Depth:	<b>ft</b>
Displacement:	<b>18.5 bbls</b>

Calculated Slurry - Lead	
Blend:	
Weight:	<b>ppg</b>
Water / Sk:	<b>gal / sk</b>
Yield:	<b>ft<sup>3</sup> / sk</b>
Annular Bbls / Ft.:	<b>bbs / ft.</b>
Depth:	<b>ft</b>
Annular Volume:	<b>0.0 bbls</b>
Excess:	
Total Slurry:	<b>0.0 bbls</b>
Total Sacks:	<b>0 sk</b>

Calculated Slurry - Tail	
Blend:	<b>60:40:02</b>
Weight:	<b>14.8 ppg</b>
Water / Sk:	<b>5.2 gal / sk</b>
Yield:	<b>1.21 ft<sup>3</sup> / sk</b>
Annular Bbls / Ft.:	<b>bbs / ft.</b>
Depth:	<b>ft</b>
Annular Volume:	<b>0 bbls</b>
Excess:	
Total Slurry:	<b>75.4 bbls</b>
Total Sacks:	<b>350 sk</b>

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
12:30 PM			-	-	ON LOCATION - SPOT EQUIPMENT
2:16 PM				-	RUN 7 JOINTS 8 5/8" X 23# CASING
2:50 PM				-	CASING ON BOTTOM-BREAK CIRCULATION WITH RIG PUMP AND MUD
3:10 PM	5.0	300.0	5.0	5.0	H2O AHEAD
3:12 PM	4.0	250.0	75.4	80.4	MIX 350 SKS 60:40:2 POZMIX @ 14.8 PPG
3:38 PM	4.0	200.0		80.4	START DISPLACEMENT
3:43 PM	3.0	250.0	15.0	95.4	SLOW RATE
3:45 PM	3.0	300.0	3.5	98.9	CEMENT @ DESIRED DEPTH
				98.9	CIRCULATION THRU JOB
				98.9	CIRCULATED 16 BBL TO PIT
				98.9	
					JOB COMPLETE,
					THANKS - KEVEN AND CREW

CREW			UNIT	SUMMARY		
Cementer:	LESLEY		928	Average Rate	Average Pressure	Total Fluid
Pump Operator:	OSBORN		623-622	3.8 bpm	260 psf	99 bbls
Bulk #1:	TREVINO		626-256			
Bulk #2:						