

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](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
--	---

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

Form	ACO1 - Well Completion
Operator	Midwestern Exploration Company
Well Name	TONY NIX 4-6
Doc ID	1484525

Tops

Name	Top	Datum
BASE HEEBNER	4318	-1301
TORONTO LIME	4327	-1310
LANSING LIME	4434	-1417
MARMATION LIME	5201	-2184
CHEROKEE SHALE	5564	-2547
ATOKA LIME	5746	-2729
MORROW SHALE	5914	-2897
LWR MORROW LIME	6241	-3224
CHESTER C LIME	6328	-3311
CHESTER B LIME	6398	-3381
CHESTER A LIME	6490	-3473
STE GENEVIEVE	6619	-3602

Form	ACO1 - Well Completion
Operator	Midwestern Exploration Company
Well Name	TONY NIX 4-6
Doc ID	1484525

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	52	52	4000#	48	n/a
Surface	12.25	8.625	24	1700	65/35 H-Lite	500	4% Gel
Surface	12.25	8.625	24	1700	Common	200	2% Gel, 3% CC
Production	7.875	5.5	15.5	6670	AA2 Premum	275	6.6#/sx Gilsonite



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1002750	1718	09/27/2019
INVOICE NUMBER			
93056387			

Pratt (620) 672-1201  
 B MIDWESTERN EXPLORATION CO.  
 I \*\*\*3500 S. BOULEVARD STE 2B\*\*  
 L EDMOND  
 L OK US 73013  
 T  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME TONY NIX 4-6  
 O LOCATION  
 B COUNTY STEVENS  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41191228	19572		Net - 30 days	10/27/2019

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 09/26/2019 to 09/26/2019</i>				
0041191228				
171819696L Cement-New Well Casing/Pi 09/26/2019 CEMENT PRODUCTION CASING				
AA2 Premium Cement	325.00	SK	7.98	2,593.50 T
Gypsum	1,530.00	LB	0.45	688.50 T
1803 LBS Salt	1.00	LB	414.69	414.69 T
Gilsonite	1,625.00	LB	0.45	731.25 T
C-17	153.00	LB	10.80	1,652.40 T
C-41P	77.00	LB	1.80	138.60 T
Auto Fill Float Shoe 5 1/2" (Blue)	1.00	EA	360.00	360.00
Latch Down Plug & Baffle, 5 1/2" (Blue)	1.00	EA	400.00	400.00
Turbolizer, 5 1/2" (Blue)	12.00	EA	110.00	1,320.00
Heavy Equipment Mileage	40.00	MI	3.60	144.00
Blending & Mixing Service Charge	325.00	SK	0.63	204.75
Ton Mileage	306.00	MI	1.35	413.10
Depth Charge, 6001'-7000'	1.00	HR	1,485.00	1,485.00
Plug Container Utilization Charge	1.00	EA	112.50	112.50
Light Vehicle Mileage	20.00	MI	2.25	45.00
Cement Densimeter, with chart recorder	1.00	EA	157.50	157.50
Service Supervisor Charge	1.00	EA	75.00	75.00
Driver Charge	3.00	EA	35.00	105.00
500 GALS Mud Flush	1.00	GAL	340.00	340.00 T

POSTED

MIDWESTERN EXPLORATION COMPANY  
 LEASE Jonitrol RECEIVED OCT 03 2019  
 ORLG (D) TANG. INTANG.  
 COMP. TANG. INTANG.  
 OP. EXP. 71290 USED FOR: Cement & Services - Surf

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	11,380.79
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	491.92
PO BOX 841903	CORRY ST, STE 2100	INVOICE TOTAL	11,872.71
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		
APPROVED BY: _____	DATE PAID: _____		







Liberal Yard #1717 none 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

**PRESSURE PUMPING Job Log**

Customer:	Midwestern Exploration Company	Cement Pump No.:	37223 19572 15HRS	Operator TRK No.:	78868	
Address:	3500 S Boulevard STE 2B	Ticket #:	1718 19696 L	Bulk TRK No.:	37712 19883 Sam	37712 19883
City, State, Zip:	Edmond Ok 73013	Job Type:	Z-42 Cement Production Casing			
Service District:	1718-Liberal KS	Well Type:	OIL			
Well Name and No.:	Tony Nix # 4-6	Well Location:	6-35S-35W	County:	Stevens	State: Kansas

Type of Cmt	Sacks	Additives	Truck Loaded On		
AA-2 Premium Cement	325	10% Gypsum, 10% Salt, 5# Gilsonite, .5% C-17, 1/4# Defoamer	37712 19883 Sam	Front	Back
			37712 19883	Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
<b>Lead:</b>	14.8	1.51	6.65	490.75	TT Man Hours:	48
<b>Tail:</b>					# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
14:00pm							Arrived at location
18:00pm							Spot trucks/Rig up
20:45pm						2000	Safety meeting/Pressure test lines to 2000psi
21:17pm	2	13.4				20	Pump 13.4bbls of cement from 50sks at 14.8lbs to fill rat and mouse hole
21:35pm	4	11.9				350	Pump 11.9bbls of mud flush spacer
21:39pm	4	73.9				170	Pump 73.9bbls of cement from 275sks at 14.8lbs
22:05pm							Shut down/Drop plug/Wash pump and lines to pit
22:17pm							Start displacement of bbls with fresh water
22:19pm	8	20				300	20bbls gone
22:22pm	8	40				300	40bbls gone
22:24pm	8	60				300	60bbls gone
22:26pm	8	80				300	80bbls gone
22:29pm	8	100				350	100bbls gone
22:32pm	7	120				600	120bbls gone
22:35pm	6	140				820	140bbls gone
22:37pm	6	148				820	148bbls gone/Slow down rate
22:41pm	2	158				1820	Bump plug/Hold for 2 minutes
22:23pm							Release pressure to check if float holds
							Rig down
							Job completed
							Thanked company man and rig crew

Size Hole	7 7/8	Depth	6670		TYPE	Baffle	
Size & Wt. Csg.	5 1/2 15.5#	Depth	6677.49	New / Used	Baffle	6639.39	Depth
Landing Psi	1000+	Depth			Retainer		Depth
Shoe Joint	38.1	Type			Peris		CIBP

Customer Signature: *Billy Daugherty*

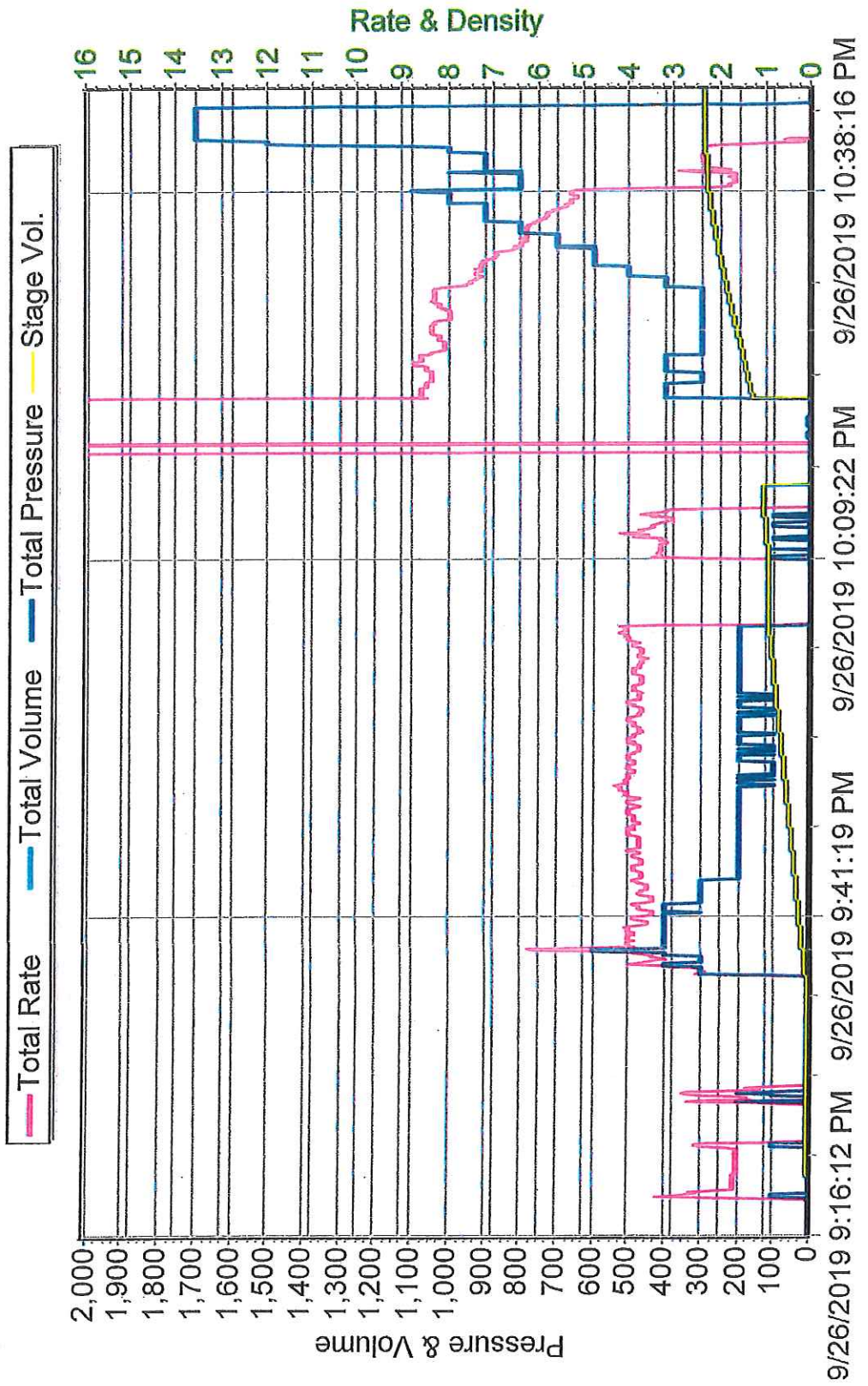
Basic Representative: Victor A. Corona

Basic Signature: *Victor A. Corona*

Date of Service: 9/26/2019



**Midwestern Exploration  
 Tony Nix 4-6  
 5 1/2 Production  
 9/26/2019**







**HURRICANE SERVICES INC**

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

Customer:  
MIDWESTERN EXPLORATION CO  
3500 S BOULEVARD  
SUITE 2B  
EDMOND, OK 73013

Invoice Date: 9/19/2019  
Invoice #: 0344123  
Lease Name: Tony Nix  
Well #: 4-6 (New)  
County: Stevens  
Job Number: ICT2427  
District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Cement pump 208	1.000	637.500	637.50
Heavy Eq Mileage	60.000	3.400	204.00
Light Eq Mileage	60.000	1.700	102.00
Ton Mileage	2,151.000	1.275	2,742.53
H-325	200.000	17.000	3,400.00
H-Lite	575.000	11.050	6,353.75
8 5/8" Centralizer x 12 1/4"	5.000	76.500	382.50
8 5/8" Cementing basket	1.000	425.000	425.00
Guide Shoe Reg 8 5/8"	1.000	510.000	510.00
8 5/8" Flapper insert valve	1.000	318.750	318.75
8 5/8" Top rubber plug	1.000	148.750	148.75

**POSTED**

MIDWESTERN EXPLORATION COMPANY  
 LEASE Toni 4-01 DATE REC'D: **RECEIVED OCT 09 2019**  
 DRLG 7 TANG. 71290 INTANG.   
 COMP. \_\_\_\_\_ TANG. \_\_\_\_\_ INTANG. \_\_\_\_\_  
 OP. EXP. \_\_\_\_\_ USED FOR: Cement 8-5/8" Surface Pipe  
 ACCOUNT NO.: \_\_\_\_\_ DATE ENTERED: \_\_\_\_\_  
 APPROVED BY: [Signature] DATE PAID: \_\_\_\_\_

**Total** 15,224.78

**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!**





**CEMENT TREATMENT REPORT**

Customer: MIDWESTERN EXPLORATION  
 City, State: \_\_\_\_\_  
 Field Rep: \_\_\_\_\_

Well: TONY NIX 4-6  
 County: STEVENS  
 S-TR: 6-35S-35W

Ticket: ICT 2427  
 Date: 9/19/2019  
 Service: \_\_\_\_\_

**Downhole Information**

Hole Size: 12 1/4  
 Hole Depth: 1701  
 Casing Size: 8 5/8  
 Casing Depth: 1701  
 Tubing / Liner: \_\_\_\_\_  
 Depth: \_\_\_\_\_  
 Tool / Packers: \_\_\_\_\_  
 Depth: \_\_\_\_\_  
 Displacement: 105.5

**Slurry**

Weight: # / sk  
 Water / Sk: gal / sk  
 Yield: ft<sup>3</sup> / sk  
 Bbls / Ft.: \_\_\_\_\_  
 Depth: ft  
 Volume: bbls  
 Excess: %  
 Total Slurry: bbls  
 Total Sacks: sk

**Cement Blend**

Class A: \_\_\_\_\_  
 Gel: \_\_\_\_\_  
 CaCl: \_\_\_\_\_  
 Metso: \_\_\_\_\_  
 PhoneSeal: \_\_\_\_\_  
 Salt: \_\_\_\_\_

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	Total	REMARKS
1200P				ON LOCATION						
1210P				SAFETY MEETING						
1230P				RIG UP						
225P	4.0	200.0	5.0	H2O AHEAD						
227P	4.0	200.0	12.0	MUD FLUSH						
230P	4.0	200.0	5.0	H2O SPACER						
232P	8.0	200-160	200.0	LEAD CEMENT						
250P	6.0	150.0	50.2	TAIL CEMENT						
256P				DROP PLUG						
300P	6.0	100.0	25.0	DISPLACE H2O						
304P	6.0	100.0	25.0	DISPLACE H2O						
309P	6.0	175.0	25.0	DISPLACE H2O						
313P	6.0	450.0	25.0	DISPLACE H2O						
317P	3.0	750.0	5.0	DISPLACE H2O						
320P		1,500.0		PLUG LANDED						
325P				RELEASE FLOAT HELD						
330P				RIG DOWN						
410P				LEFT LOCATION						

CREW		UNIT		SUMMARY	
Cementor:	Jimmie Coltrai	54.0		Average Rate	5.3 bpm
Pump Operator:	Josh Mealer	208.0		Average Pressure	302.50 psi
Bulk #1:	Kale Ochs	254.0		Total Fluid	377.20 bbls
Bulk #2:	Neil White	250.0			

Hurricane Services, Inc.  
 250 N. Water  
 Wichita, KS 67202





**CEMENT TREATMENT REPORT**

Customer: <b>MIDWESTERN EXPLORATION</b>	Well: <b>TONY NIX 4-6</b>	Ticket: <b>ICT 2427</b>
City, State:	County: <b>STEVENS</b>	Date: <b>9/19/2019</b>
Field Rep:	S-T-R: <b>6-35S-35W</b>	Service:

Downhole Information	
Hole Size:	<b>12 1/4</b>
Hole Depth:	<b>1701</b>
Casing Size:	<b>8 5/8</b>
Casing Depth:	<b>1701</b>
Tubing / Liner:	<b>in</b>
Depth:	<b>ft</b>
Tool / Packer:	
Depth:	<b>ft</b>
Displacement:	<b>105.5</b>

Slurry	
Weight:	<b># / sx</b>
Water / Sx:	<b>gal / sx</b>
Yield:	<b>ft<sup>3</sup> / sx</b>
Bbls / Ft.:	
Depth:	<b>ft</b>
Volume:	<b>bbls</b>
Excess:	<b>%</b>
Total Slurry:	<b>bbls</b>
Total Sacks:	<b>sx</b>

Cement Blend		
Product	%	#
Class A		
Gel		
CaCl		
Metso		
KolSeal		
PhenoSeal		
Salt		
Total		

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
1200P				ON LOCATION					
1210P				SAFETY MEETING					
1230P				RIG UP					
226P	4.0	200.0	5.0	H2O AHEAD					Lead: 575 sx H.Lite 6.5/35/6 V:1.61 W:13.4
227P	4.0	200.0	12.0	MUD FLUSH					
230P	4.0	200.0	5.0	H2O SPACER					
232P	8.0	200-150	200.0	LEAD CEMENT - 575 sx H.Lite					Tail: 200 sx H325 A 1 1/2 V: 1.42 W: 14.8
250P	6.0	150.0	50.2	TAIL CEMENT - 200 sx H325					
258P				DROP PLUG					
300P	6.0	100.0	25.0	DISPLACE H2O					
304P	6.0	100.0	25.0	DISPLACE H2O					
309P	6.0	175.0	25.0	DISPLACE H2O					
313P	6.0	450.0	25.0	DISPLACE H2O					
317P	3.0	750.0	5.0	DISPLACE H2O					
320P		1,500.0		PLUG LANDED					
325P				RELEASE FLOAT HELD					
330P				RIG DOWN					
410P				LEFT LOCATION					

CREW	UNIT
Cementer: <b>Jimmie Cottrell</b>	<b>84.0</b>
Pump Operator: <b>Josh Mosler</b>	<b>208.0</b>
Bulk #1: <b>Kale Ochs</b>	<b>254.0</b>
Bulk #2: <b>Neil White</b>	<b>250.0</b>

SUMMARY		
Average Rate	Average Pressure	Total Fluid
<b>5.3 bpm</b>	<b>382.50 psi</b>	<b>377.20 bbls</b>





Conductor and Rat Hole Drilling, Landfill Gas Drilling and Well Construction Nationwide

Date	Invoice #
9/9/2019	13169

Bill To
Midwestern Exploration 3500 S. Blvd. Suite 2B Edmond OK 73013

Legal Description	Ordered By	Terms	Field Ticket	Lease Name	Drill Rig
SW of Liberal, KS	Billy Daughtery	Net 30	9565	Tony Nix 4-6	Duke 1

Item	Quantity	Description	Rate	Amount
Conductor	54	Drilled 54' of 30" hole for conductor	35.00	1,890.00
20" Pipe	54	Furnished 54' of 20" conductor pipe	27.00	1,458.00T
Ream Hole	1	Ream Hole for cellar	450.00	450.00
72" X 6'	1	Furnished 6' X 6' tinhorn	450.00	450.00T
Dirt Removal	1	Provided Labor and Equipment for dirt removal and cleanup	500.00	500.00
Placement	1	Equipment and Labor to install pipe in holes	350.00	350.00
Welder	1	Weld pipe	100.00	100.00
Grout	6	Furnished grout	150.00	900.00T
Deliver Grout	1	Deliver grout to location	450.00	450.00
Cover Plate	1	Cover Plate	30.00	30.00T
Barrier Fence	1	Provided and Set Barrier Fence	75.00	75.00T

POSTED

MIDWESTERN EXPLORATION COMPANY  
 RECEIVED SEP 19 2019  
 LEASE Toni 4-6 DATE RECEIVED \_\_\_\_\_  
 DRILLING (7) INTANG. \_\_\_\_\_  
 COMP. \_\_\_\_\_ INTANG. \_\_\_\_\_  
 OR EXP. \_\_\_\_\_ USED FOR: Conductor pipe - cmtg

ACCOUNT NO.: <u>71010</u> DATE ENTERED: _____	<b>Subtotal</b> \$6,653.00 <b>Sales Tax (7.5%)</b> \$218.48 <b>Total</b> \$6,871.48
APPROVED BY: _____ DATE PAID: _____	
Thank you for your business.	

# Midwestern Exploration Company

## Tony Nix 4-6

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

Well Name: Tony Nix 4-6  
API: 15-189-22861  
Location: Section 6-T35S-R35W  
License Number: KCC 5263  
Spud Date: 9/18/2019  
Surface Coordinates: 335' FSL & 1532' FWL  
Region: Stevens Co, KS  
Drilling Completed: 9/25/2019  
Bottom Hole Coordinates: 335' FSL & 1532' FWL  
Ground Elevation (ft): 3,005' K.B. Elevation (ft): 3,017'  
Logged Interval (ft): 3,800' To: 6,670' Total Depth (ft): 6,670'  
Formation: Ste. Genevieve  
Type of Drilling Fluid: Chemical

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

### OPERATOR

Company: Midwestern Exploration Company  
Address: 3500 S. Boulevard, Suite #2B  
Edmond, OK 73013

### GEOLOGIST

Name: Thomas M. Williams  
Company: Petroleum Geologist  
Address: Wichita, KS

CORE

Contractor:  
 Core #:  
 Formation:  
 Core Interval: From: To: Cut: Recovered:  
 Bit type:  
 Size:  
 Coring Time:

Formation Tops

	Sample Top	E-Log Top
Oread Lime	4245	(-1228) -8
Base/Heebner Shale	4323	(-1306) -13
Toronto Lime	4334	(-1317) -14
Douglas Shale	4391	(-1374) -12
Lansing	4440	(-1423) -14
Kansas City	4787	(-1770) -3
Marmaton Lime	5202	(-2185) +1
Cherokee Shale	5569	(-2552) -1
Atoka Lime	5752	(-2735) +4
Lower Atoka Lime	5892	(-2875) +5
Morrow Shale	5934	(-2917) +4
1st Lwr. Morrow Lm	6247	(-3230) +1
2nd Lwr. Morrow Lm	6254	(-3237) +2
Lower Morrow Sand	6268	(-3251) +2
Chester 'C' Lime	6334	(-3317) +1
Chester 'B' Lime	6403	(-3386) -6
Chester 'A' Lime	6484	(-3467) -1
Chester 'B' Sand	6571	(-3554) N/A
Lwr. Chester 'B' Sand	6601	(-3584) -12
Ste Genevieve	6629	(-3612) -6

DSTs

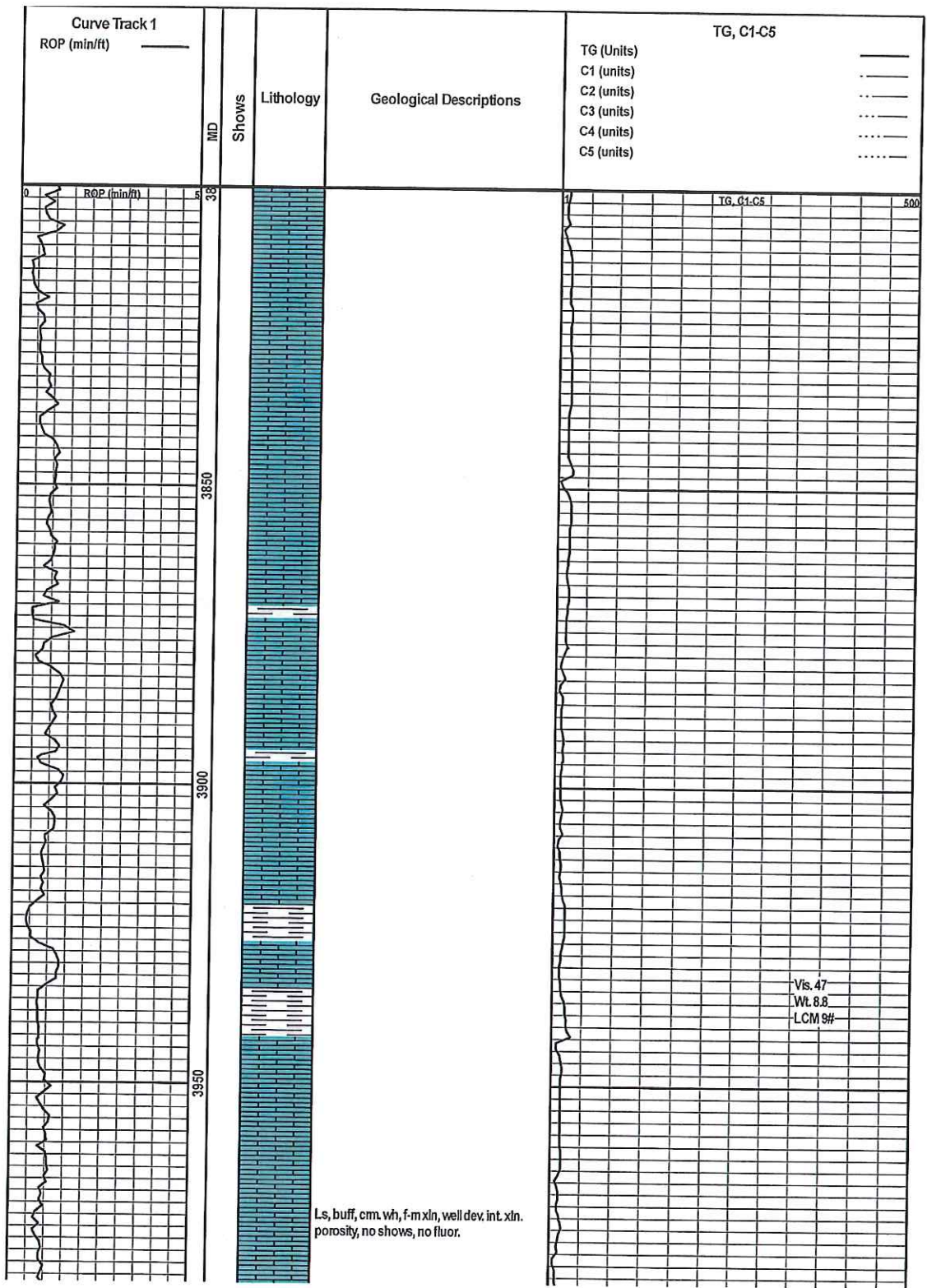
None

Comments

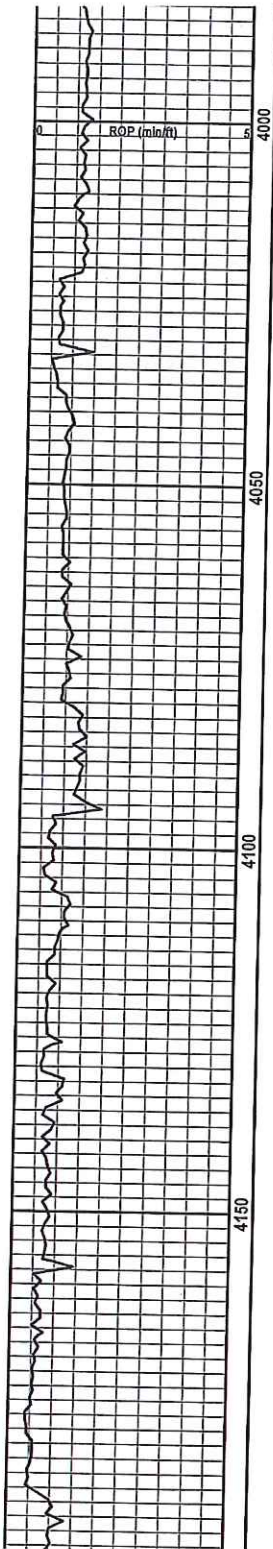
RTD 6670'

ROCK TYPES

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







Ls, lt. to med. gry, dns, no vis. porosity, w/ lt. to med. gry shale.

Ls, lt. to med. gry, dns, no vis. porosity, w/ lt. to med. gry shale.

Ls, med. gry, dns, no vis. porosity, w/ med. gry silty shale.

Ls, med. gry, dns, no vis. porosity, w/ med. gry silty shale.

Sh, lt. to med. gry, silty, micaceous.

Sh, lt. to med. gry, silty, micaceous.

Sh, lt. to med. gry, silty, micaceous.

Ls, buff, lt. gry, f. xln, poorly dev. to no vis. porosity, no show, no fluor.

Ls, med. gry, dns, f-m xln, no vis. porosity, no shows, no fluor.

Ls, lt. to med. gry, dns, p. dev. por; no show, no fluor, t; drk. chert.

Sh, med. to drk gry, fissle, brittle.

Sh, med. to drk gry, fissle, brittle.

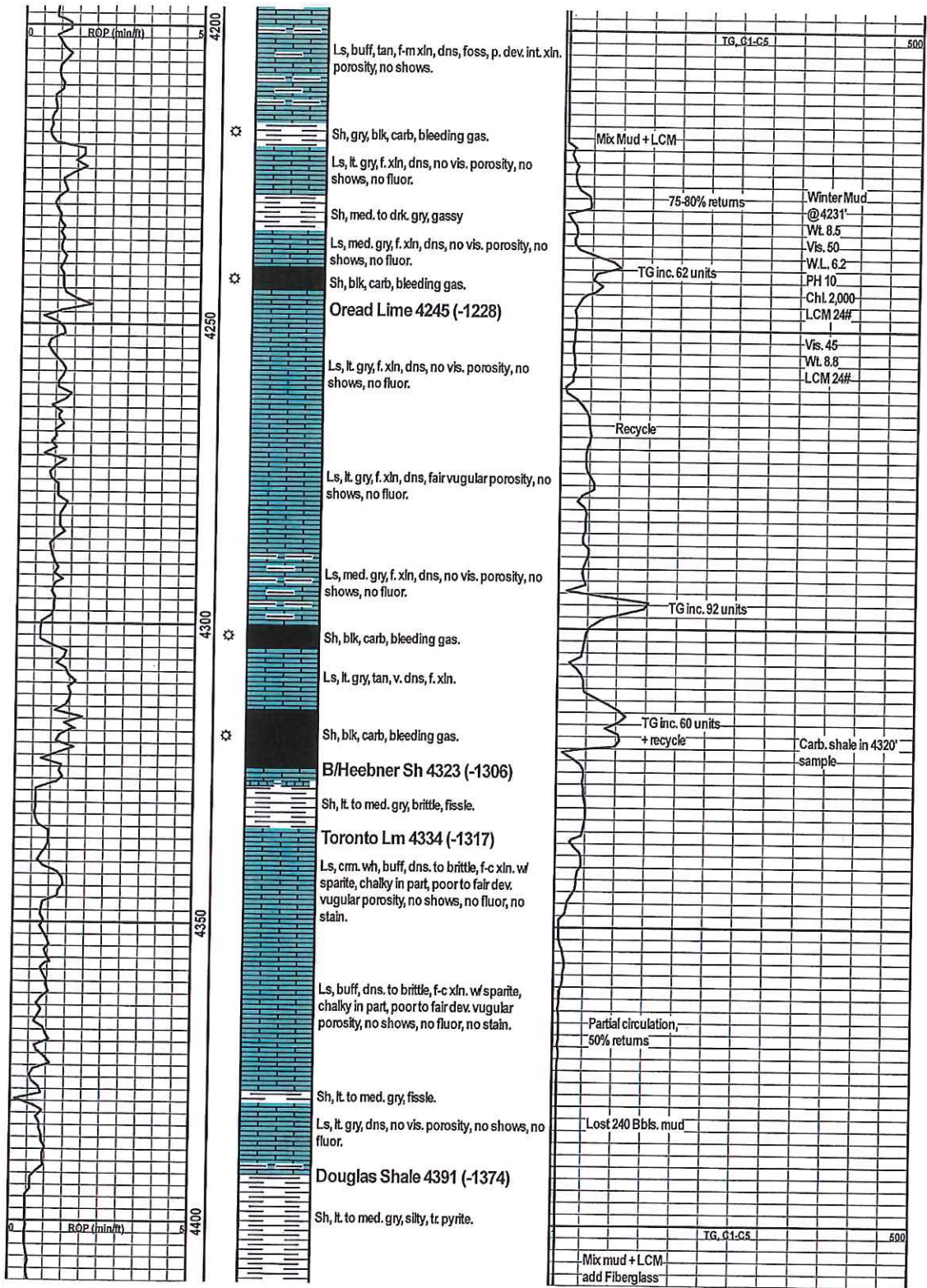
Ls, lt. to med. gry, dns, p. dev. int. xln. porosity, no shows, no fluor.

No samples due to lost circulation.

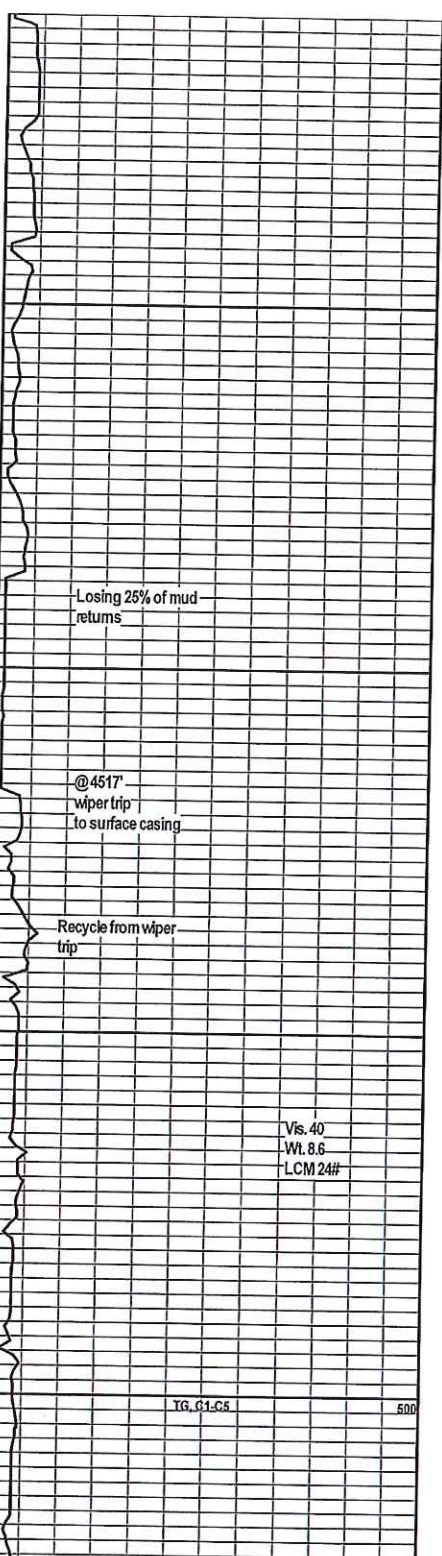
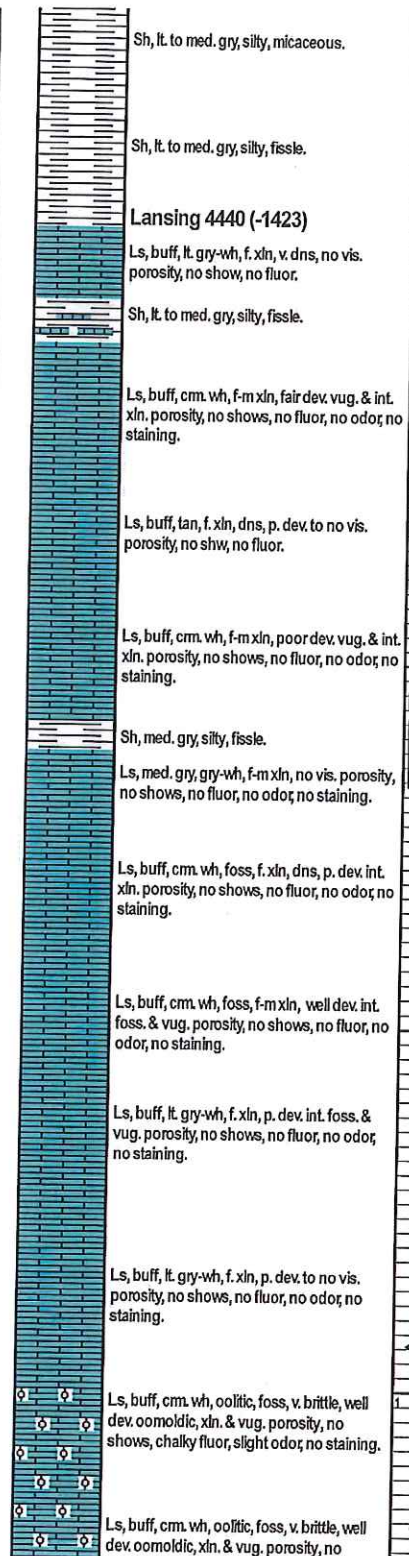
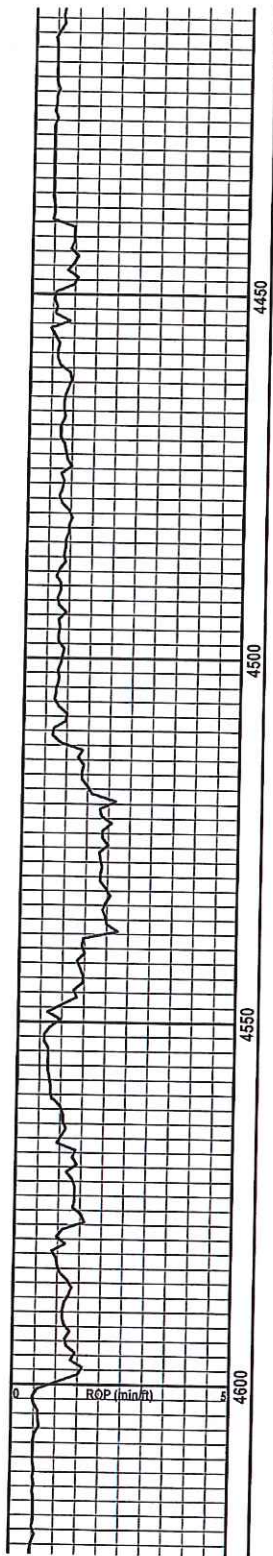
No samples due to lost circulation.

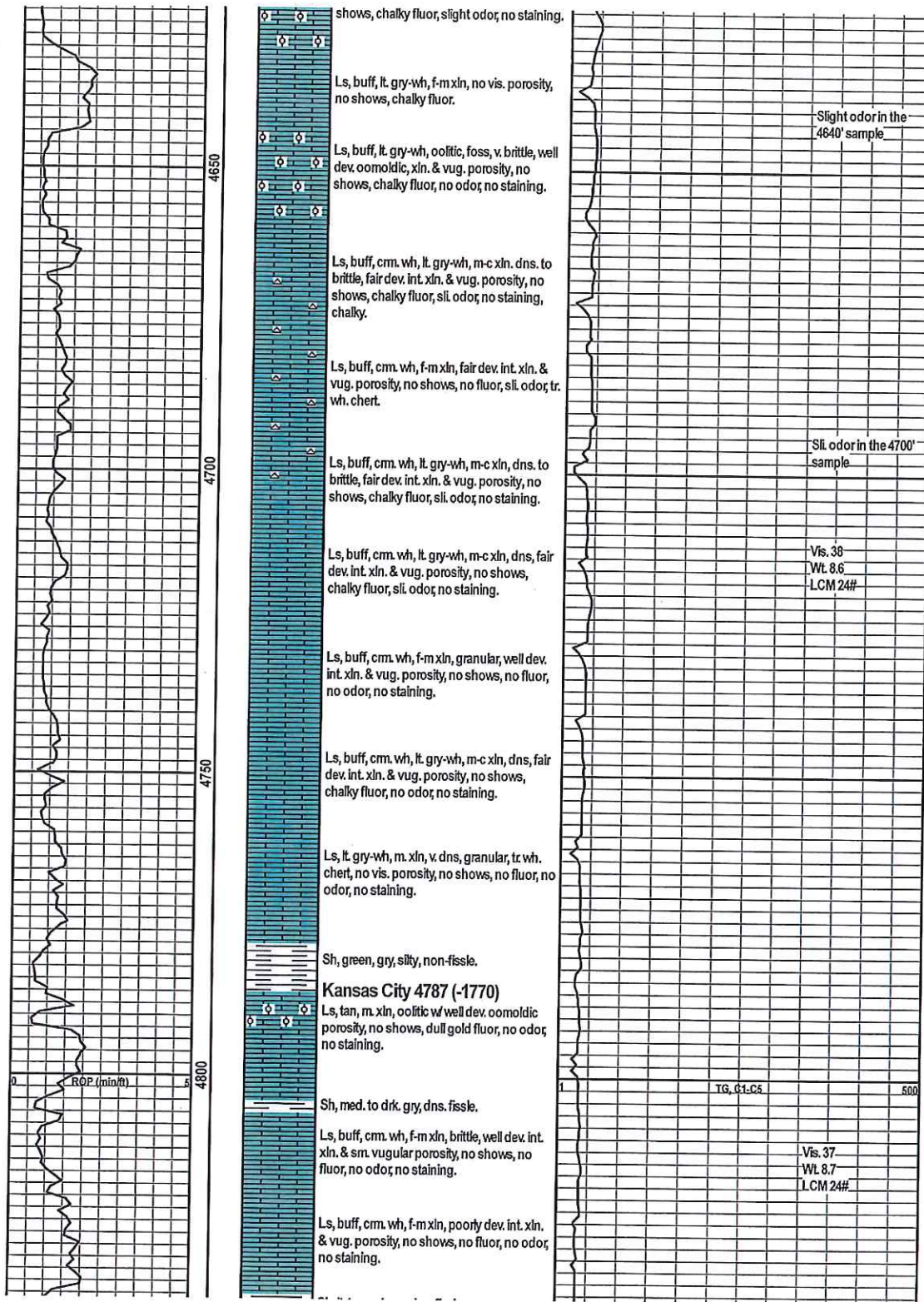
Red & gry. shale, with buff & gry. limestone.

Start Samples	
TG, G1-C6	500
Vis. 50 Wt. 8.8 LCM 8#	
TG inc. 22 units	
Lost circulation (4188')	
Vis. 46 Wt. 8.8 LCM 8#	
Mix Mud + LCM	Lost circulation @ 4188', pull bit up to surface csng.

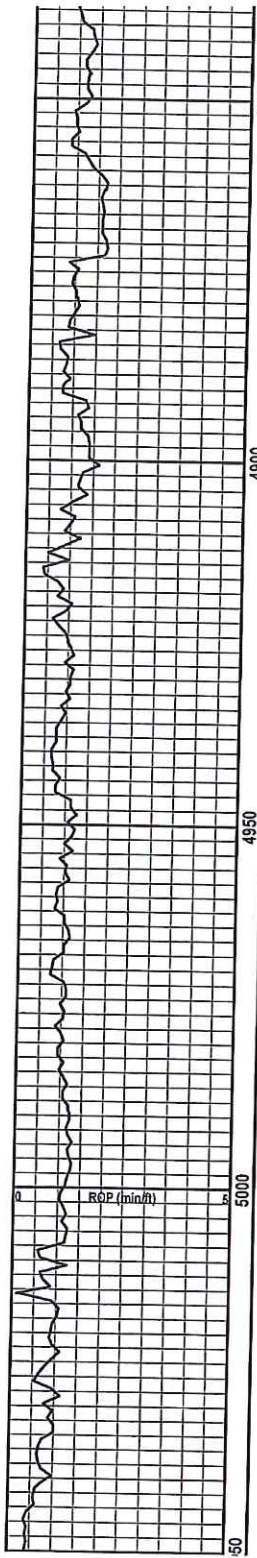












Sh, lt. to med. gry, dns. fissle.

Ls, lt. to med. gry, arg., f. xln, granular, no vis. porosity, no shows, no fluor, w/ gry. shale.

Sh, lt. to med. gry, dns. fissle.

Ls, lt. gry, buff, f. xln, v. dns, no vis. porosity, no shows, no fluor.

Ls, lt. to med. gry, arg., f. xln, granular, no vis. porosity, no shows, no fluor, w/ gry. shale.

Ls, lt. gry, buff, f. xln, v. dns, no vis. porosity, no shows, no fluor.

Ls, tan, m-c xln, brittle, oolitic, w/ fair dev. oomoldic porosity, no shows, dull fluor, no odor, no staining.

Ls, lt. gry, buff, f. xln, v. dns, no vis. porosity, no shows, no fluor.

Ls, lt. gry, buff, f-m xln, soft & chalky, fair dev. int. xln. porosity, no shows, no fluor, no odor, no staining.

Ls, lt. gry, buff, f-m xln, soft & chalky, poor dev. int. xln. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, tan, fair dev. oomoldic porosity, no shows, few with dull fluor, fair odor, no staining.

Ls, buff, tan, f-m xln, poor to fair dev. int. xln, porosity, no shows, no fluor, sl. odor, no staining.

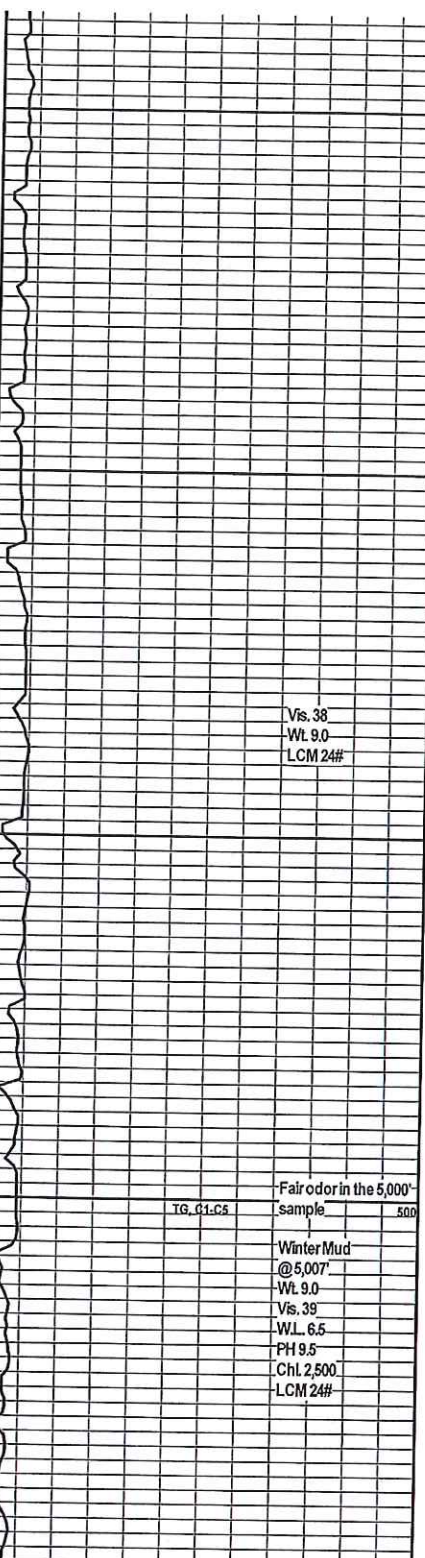
Ls, tan, gry-wh, buff, f-m xln, v. dns, poorly dev. to no vis. por., no shows, no fluor, no odor, no stn.

Ls, buff, tan, fair dev. oomoldic porosity, no shows, few with dull fluor, no odor, no staining.

Sh, lt. to med. gry, silty, fissle.

Ls, tan, gry-wh, buff, f-m xln, v. dns, poorly dev. to no vis. por., no shows, no fluor, no odor, no stn.

Ls, buff, tan, oolitic, foss, v. brittle, well dev. oomoldic porosity, no shows, no fluor, no



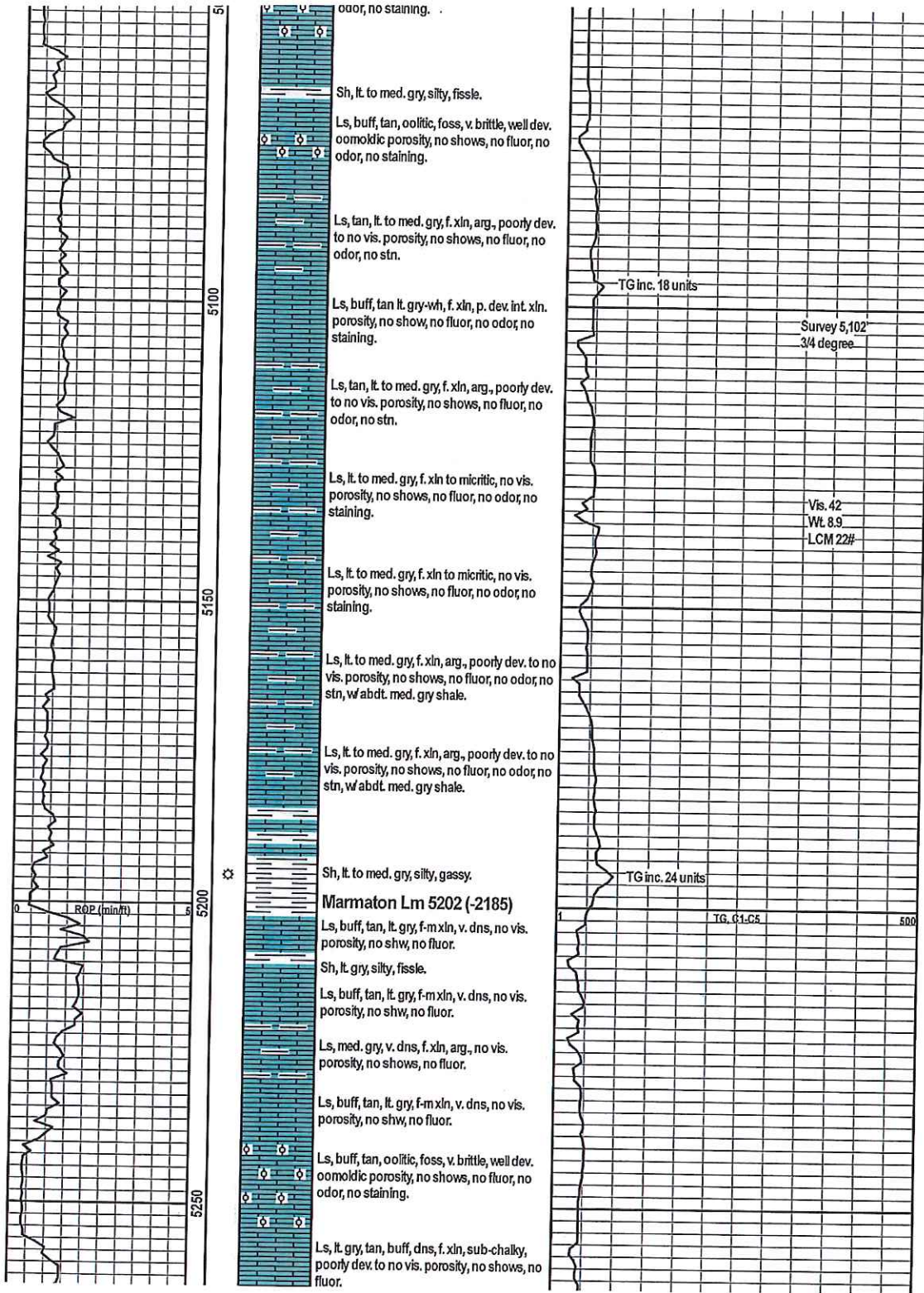
Vis. 38  
Wt. 9.0  
LCM 24#

Fair odor in the 5,000' sample

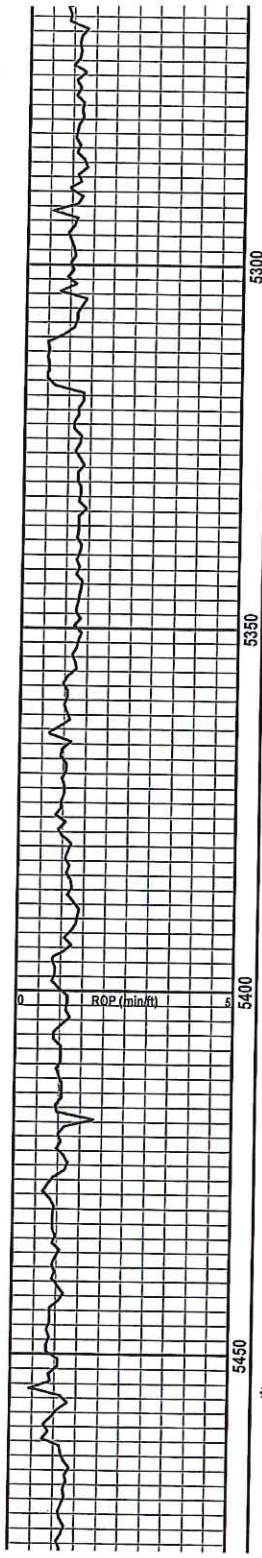
TG, C1-C5

Winter Mud @ 5,007'

Wt. 9.0  
Vis. 39  
WL. 6.5  
PH 9.5  
Chl. 2,500  
LCM 24#







5300

5350

5400

5450



Ls, tan, med. to drk. gry, f. xln, arg., poorly dev. to no vis. porosity, no shows, no fluor, no odor, no stn, w abdt. med. gry shale.

Ls, med. to drk. gry, f. xln, arg., poorly dev. to no vis. porosity, no shows, no fluor, no odor, no stn, w abdt. med. gry shale.

Sh, med. gry, silty, non-fissile.

Ls, lt. gry, tan, buff, dns, f. xln, granular, no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, lt. gry, tan, buff, dns, f. xln. to micritic, granular, to no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, lt. gry, tan, v. dns, f. xln. to micritic, no vis. porosity, no shows, no fluor, no odor.

Ls, lt. gry, tan, buff, dns, f. xln. to micritic, granular, to no vis. porosity, no shows, no fluor, no odor, no staining.

Ls, buff, cm. wh, f-m xln, p. dev. int. xln. porosity, chalky in part, no shows, chalky fluor, no odor.

Ls, buff, cm. wh, f-m xln, p. dev. int. xln. porosity, chalky in part, no shows, chalky fluor, no odor.

Ls, buff, cm. wh, f-m xln, granular, p. dev. int. xln. porosity, chalky in part, no shows, chalky fluor, no odor.

Ls, buff, cm. wh, f-m xln, granular, p. dev. int. xln. porosity, chalky in part, no shows, chalky fluor.

Sh, black, carb, bleeding gas.

Sh, med. gry, calcareous, fissile.

Ls, lt. to med. gry, gry-wh, dns, no vis. porosity, no shows, no fluor, no odor, no staining.

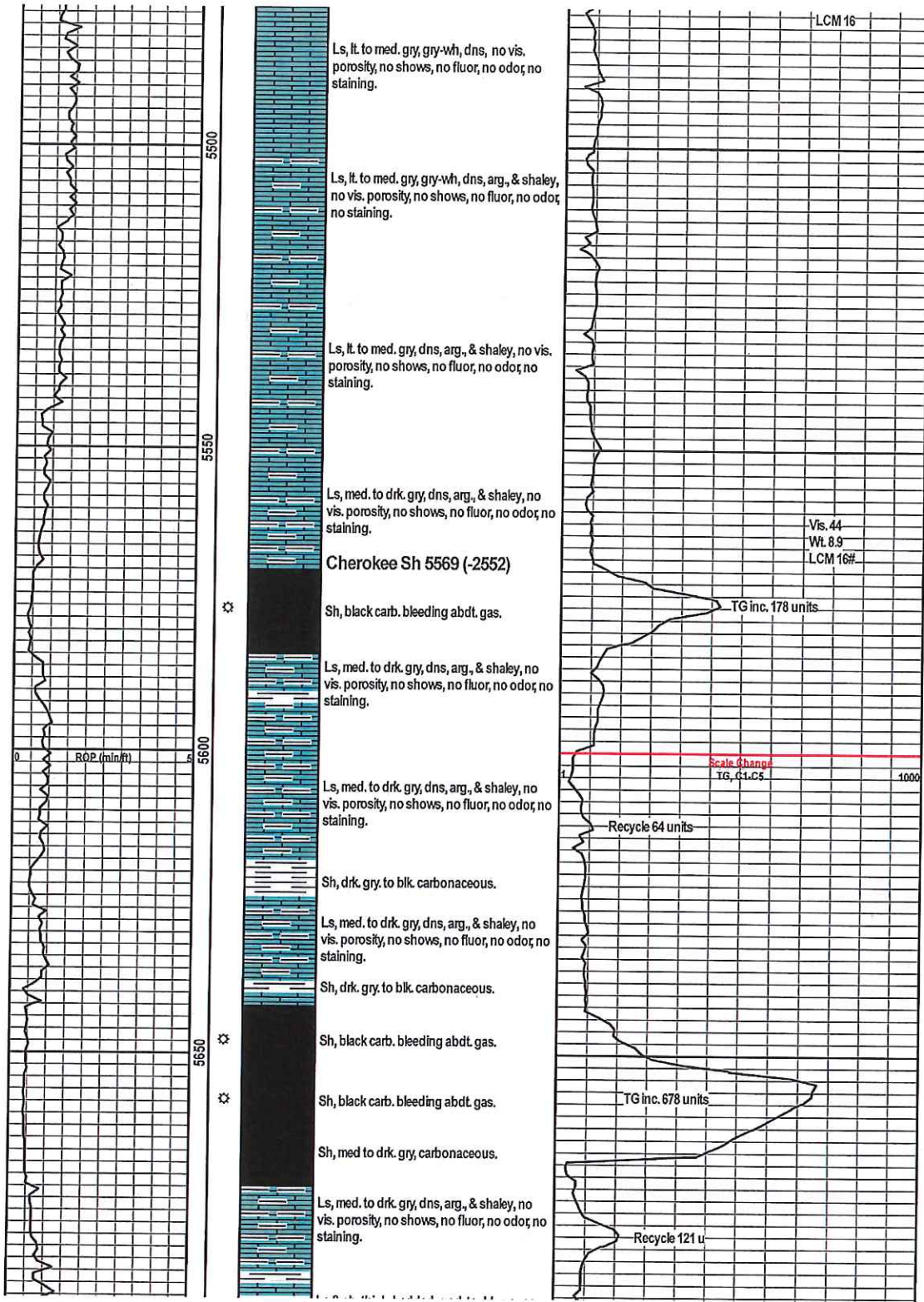
Vis. 40  
WT 9.0  
LCM 20#

TG, C1-C5

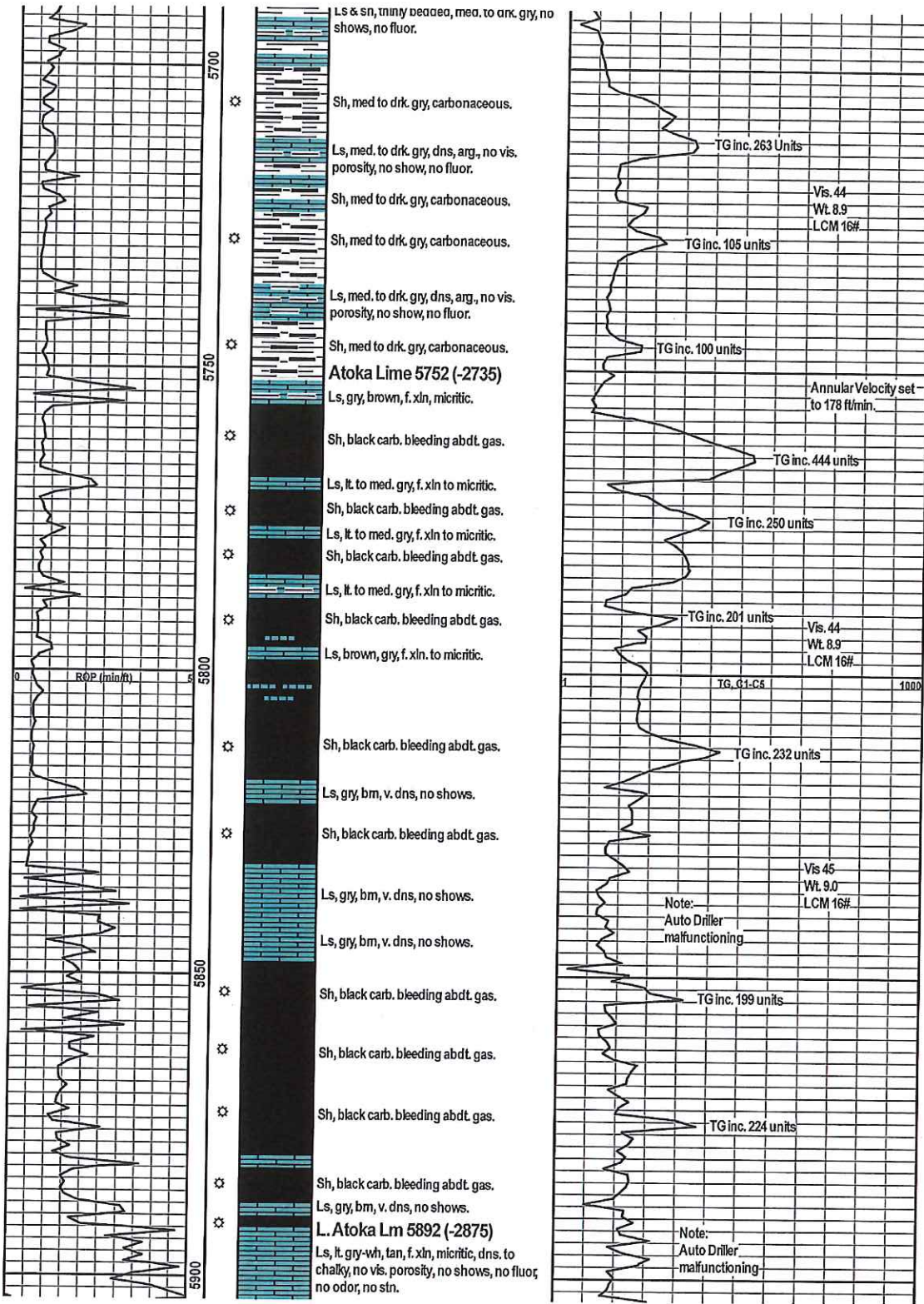
500

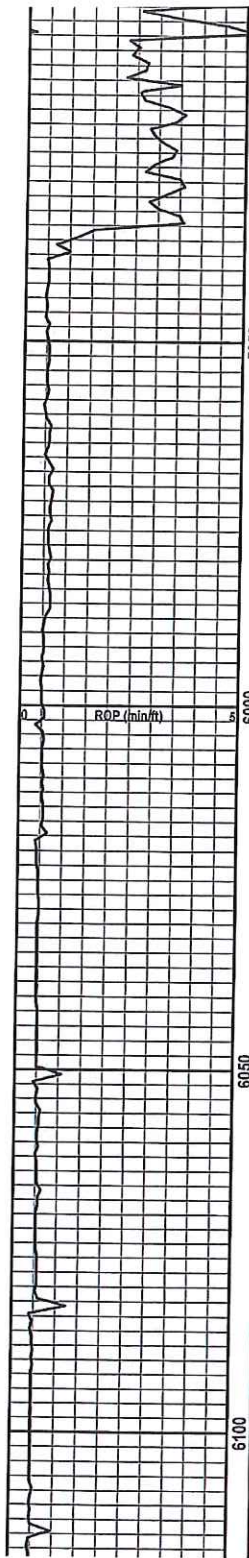
TG inc. 27 units

Vis. 45  
WT 8.8









Ls, lt. gry-wh, tan, f. xln, micritic, dns. to chalky, no vis. porosity, no shows, no fluor, no odor, no stn.

Ls, lt. gry-wh, tan, f. xln, micritic, dns. to chalky, no vis. porosity, no shows, no fluor, no odor, no stn, w/ lt. gry-wh. chert.

**Morrow Shale 5934 (-2917)**

Sh, lt. to drk. gry, silty, laminated, fissle, tr. pyrite.

Sh, lt. to drk. gry, micaceous, silty, tr. pyrite.

Sh, lt. to drk. gry, micaceous, silty, laminated, tr. pyrite.

Sh, med. gry, silty, fissle blades.

Sh, lt. to drk. gry, silty, laminated, fissle, tr. pyrite.

Sh, lt. to drk. gry, micaceous, silty, tr. pyrite.

Sh, lt. to drk. gry, micaceous, silty, laminated, tr. pyrite.

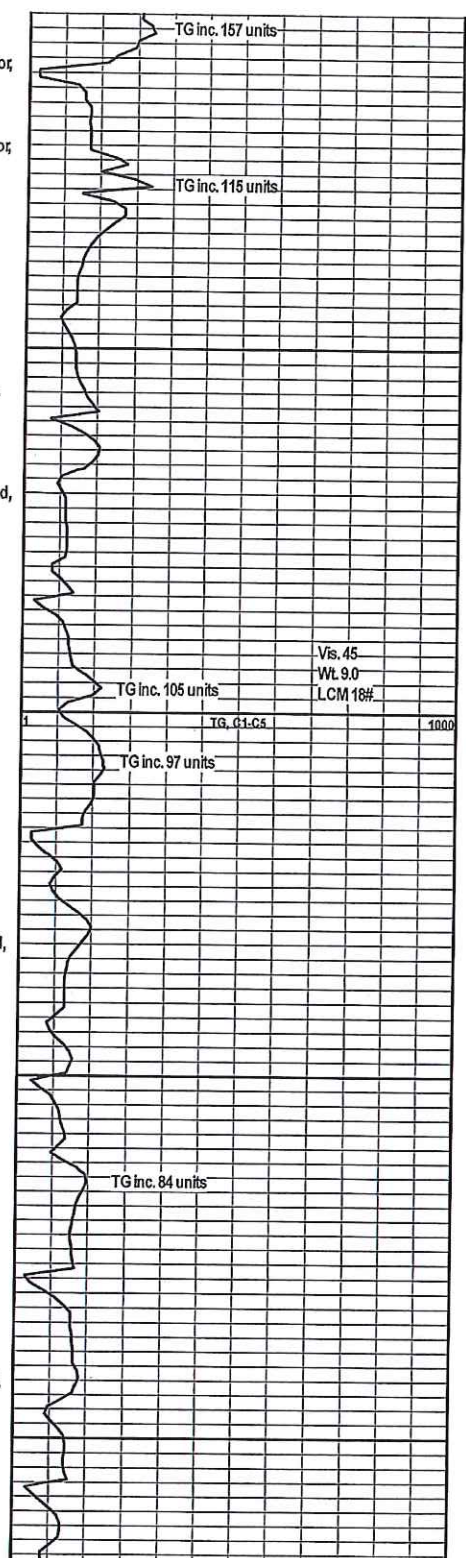
Sh, med. gry, silty, fissle blades.

Sh, lt. to drk. gry, silty, laminated, fissle, tr. pyrite.

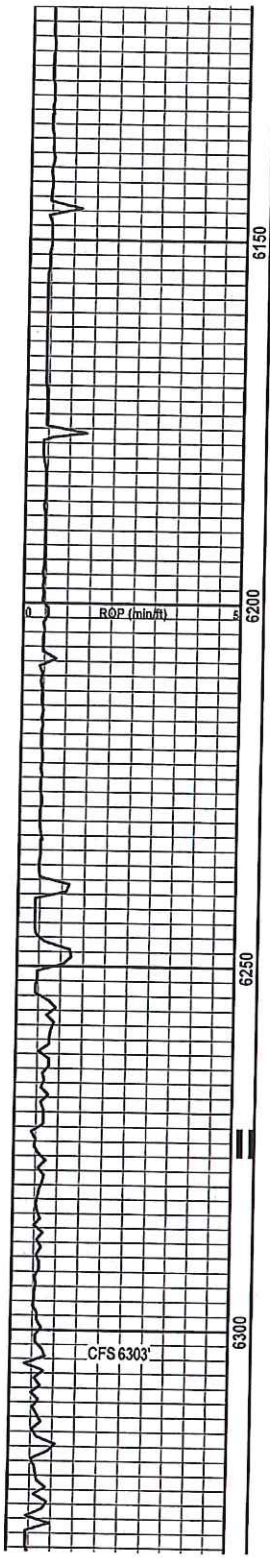
Sh, lt. to drk. gry, micaceous, silty, tr. pyrite.

Sh, lt. to drk. gry, micaceous, silty, laminated, tr. pyrite.

Sh, med. gry, silty, fissle blades.







Sh, drk. gry, carbonaceous, gassy.

Sh, lt. to drk. gry, silty, laminated, fissle, tr pyrite.

Sh, lt. to drk. gry, micaceous, silty, tr. pyrite.

Sh, lt. to drk. gry, micaceous, silty, laminated, tr. pyrite.

Sh, med. gry, silty, fissle blades.

Sh, lt. to drk. gry, silty, laminated, fissle, tr pyrite.

Sh, lt. to drk. gry, micaceous, silty, tr. pyrite.

Sh, lt. to drk. gry, micaceous, silty, laminated, tr. pyrite.

**Lwr. Mrw. Lm 6247 (-3230)**  
Ls, tan, m. xln, foss, no vis. porosity, no show, no fluor, glauc.

**Lwr. Mrw. Lm 6254 (-3237)**  
Ls, tan, m. xln, w/ abdt. c. gr. sd, no vis. porosity, v. sil. show gas, no fluor, no odor or staining, glauc.

**Lwr. Mrw. Sd 6268 (-3251)**  
Circulation was lost @ approximately 6,272-76' in the Lower Morrow Sand due to depleted reservoir pressures.

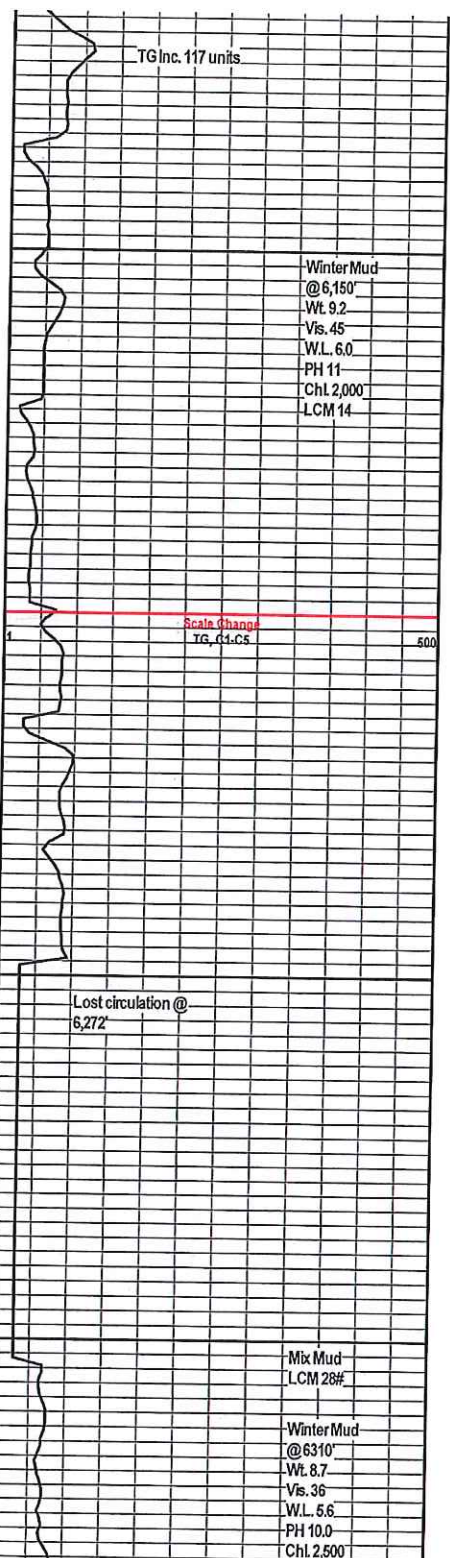
This loss of circulation was observed while circulating for samples @ 6,303'

Sh, lt. to med. gry, calcareous.

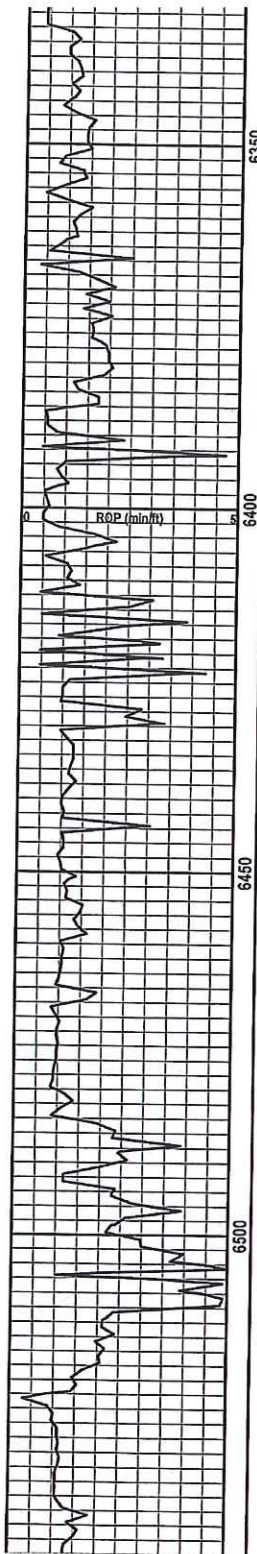
Ls, buff, lt. gry, f-m xln, v. dns, no vis. porosity, no show, no fluor.

Sh, lt. to med. gry, calcareous.

Ls, buff, lt. gry, f-m xln, v. dns, no vis. porosity, no show, no fluor.





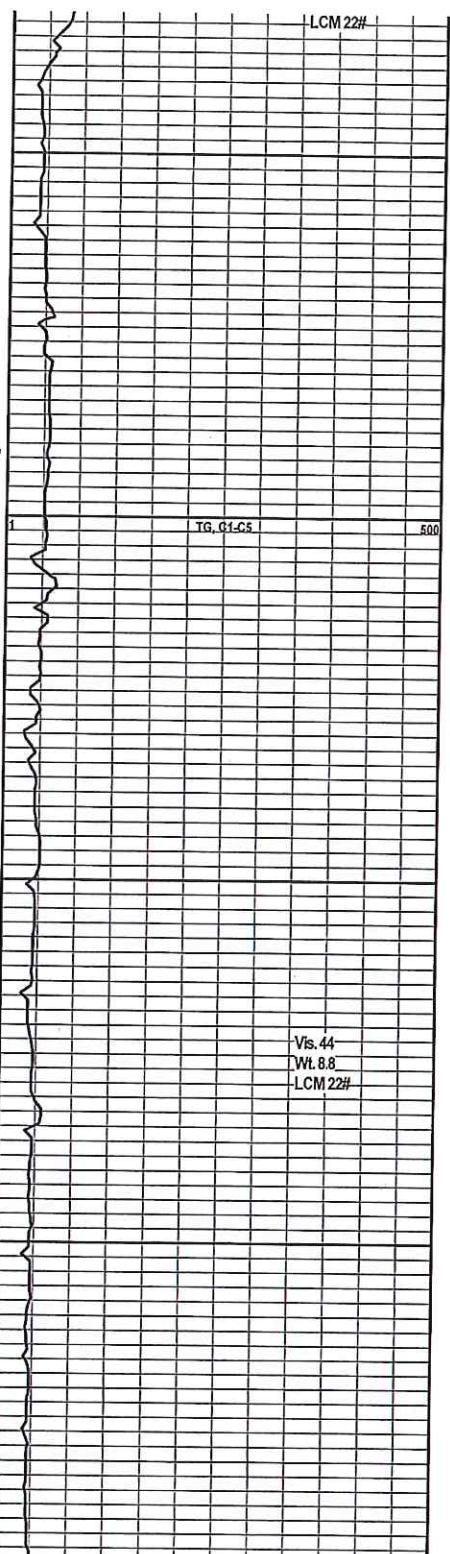


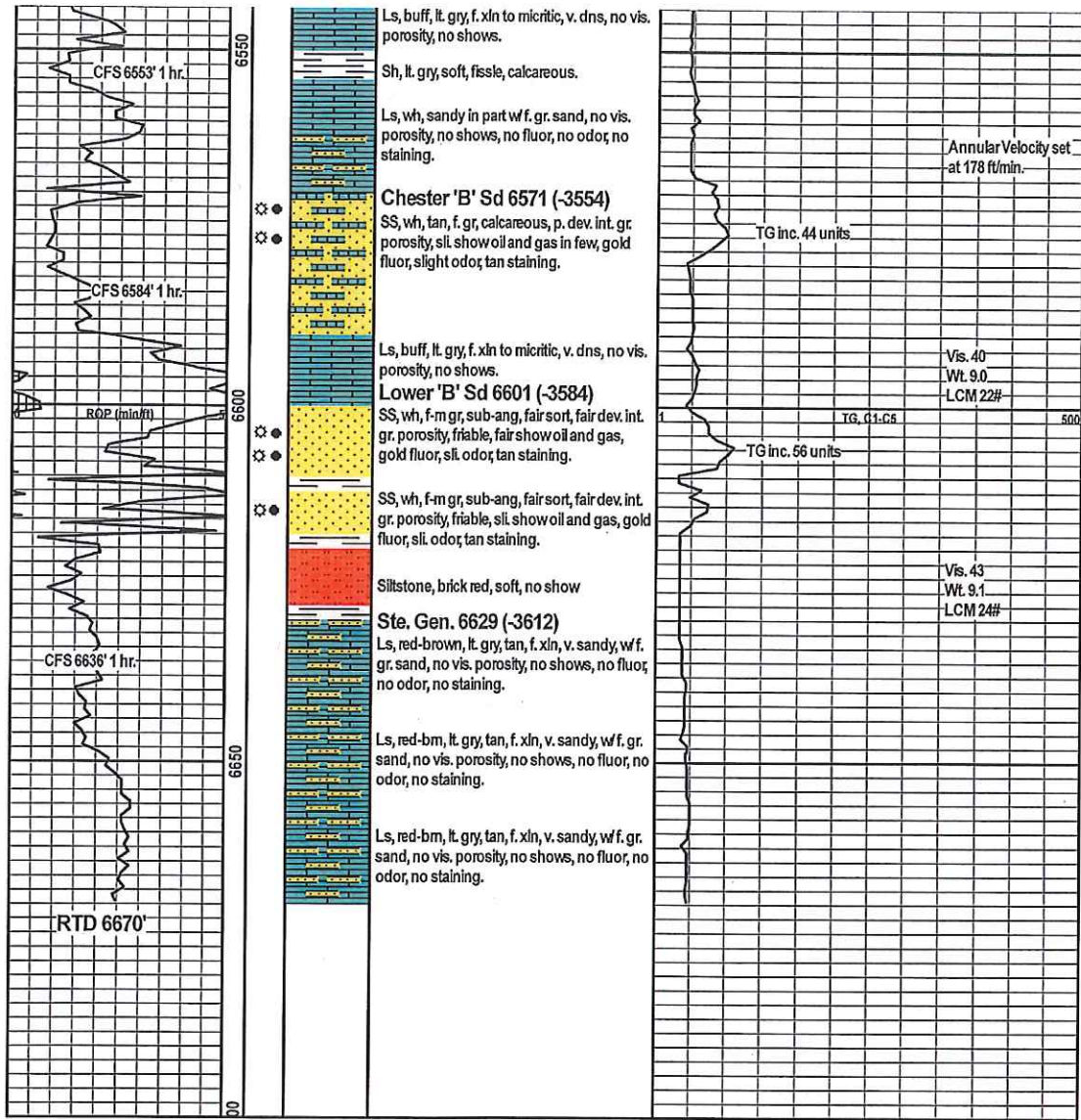
Sh, lt. to med. gry, calcareous.

**Chester 'C' 6334 (-3317)**  
 Ls, buff, tan, f. xln, v. dns, foss, no vis. porosity, no shows, no fluor.  
 Sh, lt. gry, soft, fissle, laminated  
 Ls, buff, cm-wh, m. xln, foss, frag, poorly dev. int. foss. porosity, no shows, no fluor, no odor, no staining.  
 Sh, lt. gry, soft, fissle, laminated  
 Sh, lt. to med. gry, calcareous.  
 Ls, buff, cm-wh, m. xln, foss, frag, poorly dev. int. foss. porosity, no shows, no fluor, no odor, no staining.  
 Sh, lt. to med. gry, calcareous.  
 Ls, buff, tan, f. xln. to micritic, no vis. porosity, no show, no fluor  
 Sh, lt. to med. gry, calcareous.

**Chester 'B' 6403 (-3386)**  
 Ls, buff, tan, f. xln. to micritic, no vis. porosity, no show, no fluor.  
 Sh, lt. to med. gry, calcareous.  
 Ls, buff, tan, f. xln. to micritic, no vis. porosity, no show, no fluor, no odor, no staining.  
 Sh, lt. gry, silty, calcareous.  
 Ls, buff, tan, f. xln. to micritic, no vis. porosity, no show, no fluor, no odor, no staining.  
 Ls, buff, tan, f. xln. to micritic, no vis. porosity, no show, no fluor, no odor, no staining.  
 Ls, lt. gry, f. xln, arg. & shaley, no vis. porosity, no show, no fluor, no odor, no staining, w/ gry. shale.  
 Ls, lt. gry, f. xln, arg. & shaley, no vis. porosity, no show, no fluor, no odor, no staining, w/ gry. shale.  
 Sh, lt. gry, soft, fissle, calcareous.

**Chester 'A' 6484 (-3467)**  
 Ls, buff, tan, lt. green, f. xln to micritic, nodular in part, no vis. porosity, no show, no fluor, no odor, no stain.  
 Ls, buff, tan, lt. green, f. xln to micritic, nodular in part, no vis. porosity, no show, no fluor, no odor, no stain.  
 Ls, lt. gry, f. xln, no vis. porosity, no show, no fluor, no odor, no staining, w/ gry. shale.  
 Ls, lt. gry, f. xln, arg. & shaley, no vis. porosity, no show, no fluor, no odor, no staining, w/ gry. shale.







**midwestern**  
**exploration co.**

December 4, 2019

Kansas Corporation Commission  
Oil and Gas Conservation Division  
130 S. Market, Room 2078  
Wichita, Kansas 67202

Re: Confidentiality Request  
Tony Nix #4-6 (API-15-189-22861)  
NW SW SE SW  
Section 6-T35S-R35W  
Stevens County, Kansas

Gentleman,

Please hold the information concerning the above well confidential. Your consideration will be appreciated.

Yours very truly,



Dale J. Lollar  
President

DJL/sb