

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

Form	ACO1 - Well Completion
Operator	Herman L. Loeb, LLC
Well Name	TONER 1-9
Doc ID	1590313

Tops

Name	Top	Datum
Blaine Anhy	1267	1061
Chase	2544	-216
Heebner Shale	4130	-1802
Lansing A	4292	-1964
Lansing B	4317	-1989
LKC H	4472	-2144
BKC	4694	-2366
Marmaton	4736	-2408
Miss Warsaw	4916	-2588

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Toner #1-9
Location: 700' FSL & 2297' FWL, Sec. 9-T28S-R20W, Kiowa Co., KS.
Licence Number: 15-097-21856-00-00 Region: Unnamed Field
Spud Date: 6/7/2021 Drilling Completed: 6/15/2021
Surface Coordinates: 700' FSL & 2297' FWL, Sec. 9-T28S-R20W

Bottom Hole Same as Above
Coordinates:
Ground Elevation (ft): 2317' K.B. Elevation (ft): 2328'
Logged Interval (ft): 3400' To: 5000' Total Depth (ft): 5000'
Formation: Mississippian at Total Depth
Type of Drilling Fluid: Freshwater/Gel to 3340'; Chemical Gel 3340' to 5000'

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

OPERATOR

Company: Herman L. Loeb, LLC.
Address: P.O. Box 838
Lawrenceville, IL. 62439-0838

GEOLOGIST

Name: Jon D. Christensen
Company: Consulting Petroleum Geologist
Address: 277 S. Maple Dunes Ct.
Wichita, KS. 67235-7500

Cores

None Taken

DSTs

DST #1: Lansing 'B' Zone 4325' - 4342'(Corrected Depths to Log) Test Times 15"-45"-30"-90" IFP Strong Blow, Gas to Surface in 30 Sec., Gau. 3752 MCFG/15", FFP GTS/Immed. Gau. 4409 MCFG/30", caught 2 gas samples, gas burns fine; REC: 10' GCM(20%G, 80%M), no water; IFP 634-746#, ISIP 1484#, FFP 646-750#, FSIP 1482#, IHP 2057#, FHP 2051#, BHT 113 Deg. F.

DST #2(Miss. Warsaw) 4890' - 4932' Test Times 15"-45"-45"-90" IFP Strong Blow Gas to Surface in 1.5 Min, Gauged 1198 MCFG/15", No Blowback on ISIP; FFP Gas Gauged at 825 MCFG/45", Caught 2 gas samples, gas smells rich and burns fine; No Blowback on FSIP; REC: 4932' Gas in Pipe, no Fluid recovered; IFP 300-212#, ISIP 1429#, FFP 296-164#, FSIP 1463#, IHP 2428#, FHP 2321#, BHT 126 Deg. F.

Comments

6/7/21 MIRU Sterling Drilling Co. Rig #4, Spud at 6:00 PM. , 6/8/21 TD. 505' - WOC; 6/9/21 Drilling at 1390'; 6/10/21 Drilling at 2925'; 6/11/21 Drilling at 4072'; 6/12/21 TD. 4343' - DST #1; 6/13/21 CFS. at 4611'; 6/14/21 Drilling at 4912'; 6/15/21 RTD. 5000' at 6:03 AM., CCH for Logs, LTD. 5000'; 6/16/21 RTD. 5000' - Production Casing set, PD. at 6:00 AM.

Set new 8 5/8"(23#) Surface Casing at 501' KB. with 325 sacks cement(Hurricane Services Cementing). Cement did Circulate. PD. at 6:45 AM. 6/8/21.

Set new 5 1/2"(15.5#) Production Casing at 4995' with 225 Sacks of "Loeb Blend" cement(Hurricane Services Cementing). PD. at 6:00 AM. 6/16/21.

Surveys: 0.75 Deg. at 505'(Surface Casing); Misrun at 4072'(Bit Trip); 0.25 Deg. at 4343'(DST #1); 1.0 Deg. at 4932'(DST #2).

Pipe Strap at 4072'(Bit Trip): Strap 1.37' Short to the Board, no correction made to the Board.

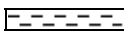


After review of the ELI Wireline logs, DST data and indications of commercial amounts of recoverable hydrocarbons, the operator elected to set new 5 1/2"(15.5#) Production Casing for completion in the Mississippian and Lansing 'B' zones.

LOG TOPS: Blaine Anhydrite 1267(+1061), Base Blaine 1289(+1039), Chase 2544(-216), Stotler Lmst. 3467(-1139), Heebner Shale 4130(-1802), Toronto 4146(-1818), Brown Lmst. 4282(-1954), Lansing 'A' 4292(-1964), Lansing 'B' 4317(-1989), L/KC. 'H' 4472(-2144), Stark Shale 4616(-2288), Base Kansas City 4694(-2366), Marmaton 4736(-2408), Pawnee 4786(-2458), Cherokee Shale 4833(-2505), Base Cherokee Lmst. 4892(-2564), Miss. Warsaw Dolomite 4916(-2588).








































































NOTE: Portions of this log was shifted by 1' - 2' for correlation purposes with the ELI Wireline logs.

NOTE: The Gamma Ray could not be imported onto this log due to a corrupted file.

ROCK TYPES

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

ACCESSORIES

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

OTHER SYMBOLS

- POROSITY**
 Earthy
 Fenest
 Fracture
 Inter
 Moldic
 Organic
 Pinpoint

- Vuggy
SORTING
 Well
 Moderate
 Poor

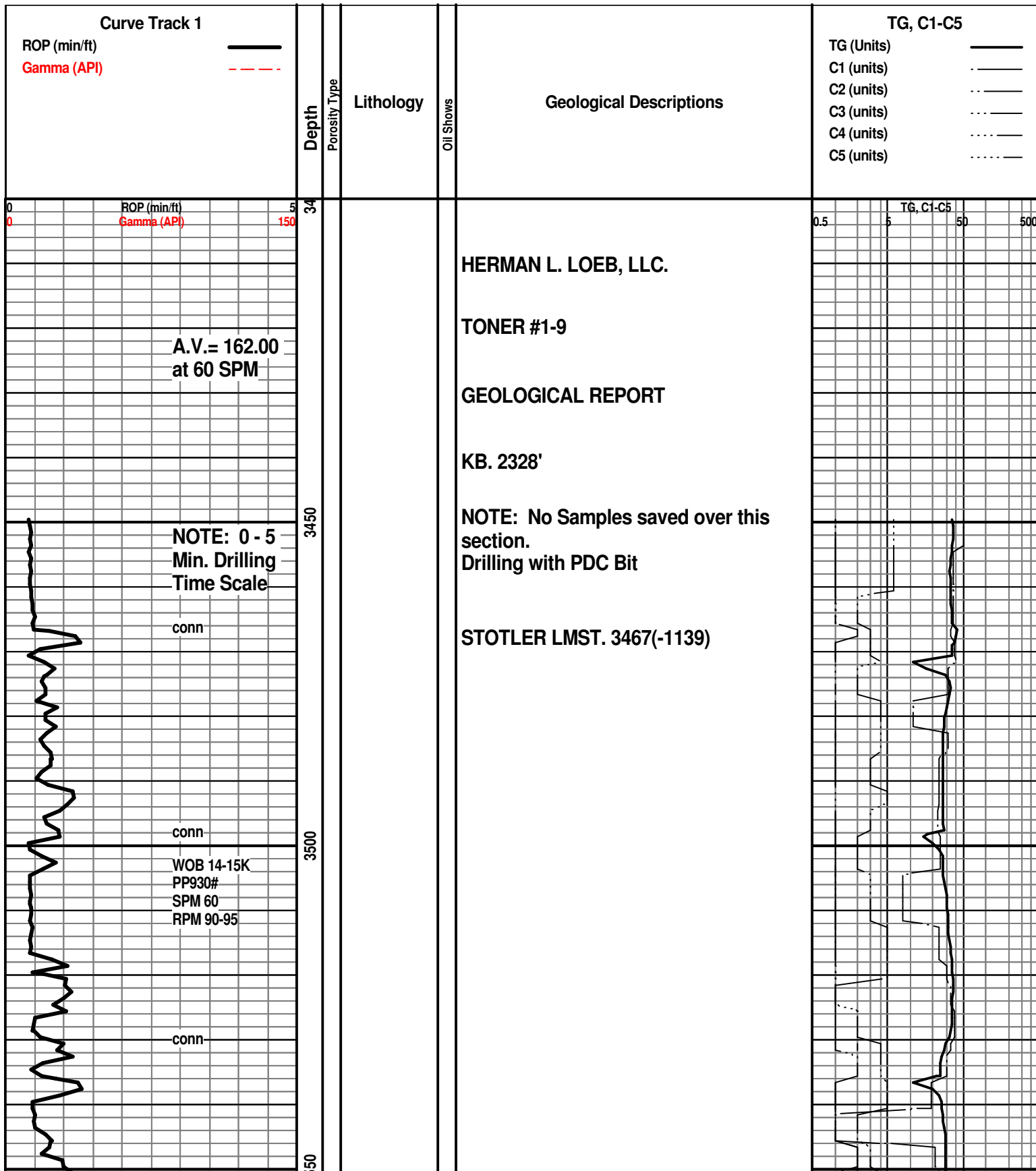
- ROUNDING**
 Rounded
 Subrnd
 Subang
 Angular

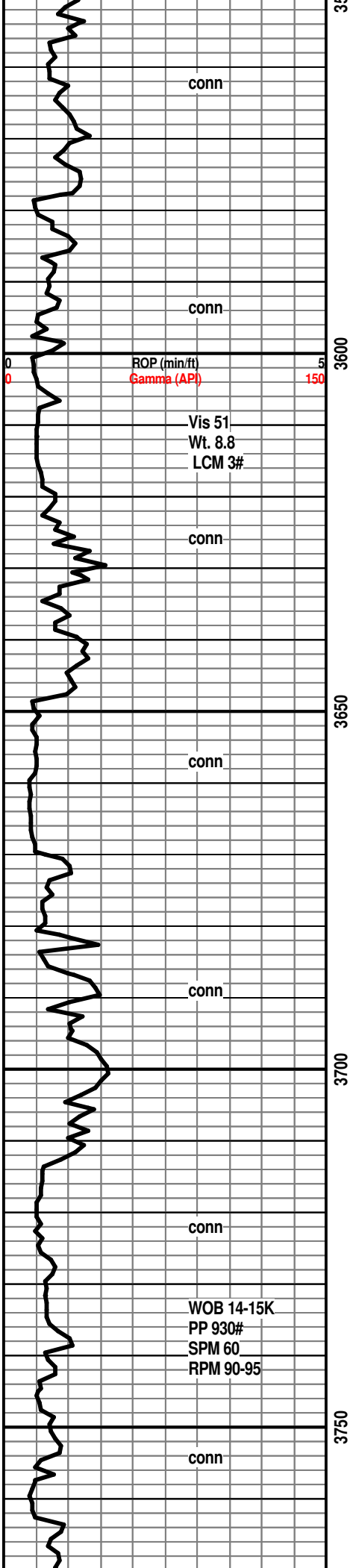
- Spotted
 Ques
 Dead

- EVENT**
 Rft
 Sidewall

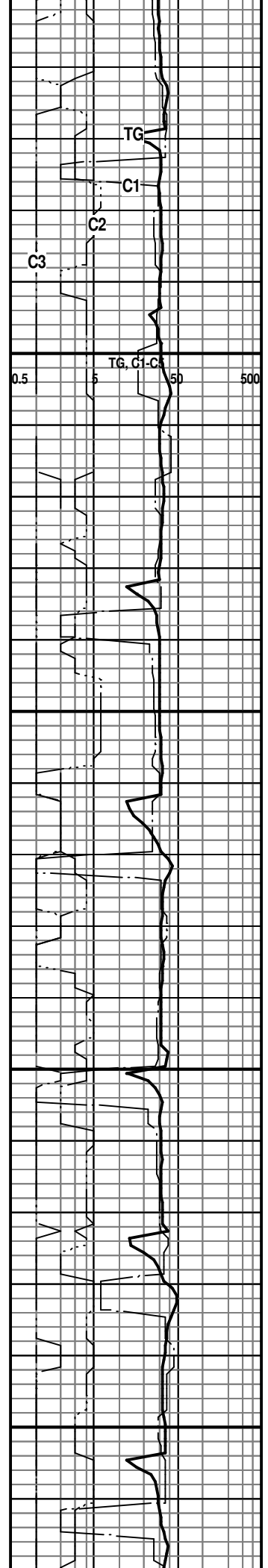
- OIL SHOW**
 Even

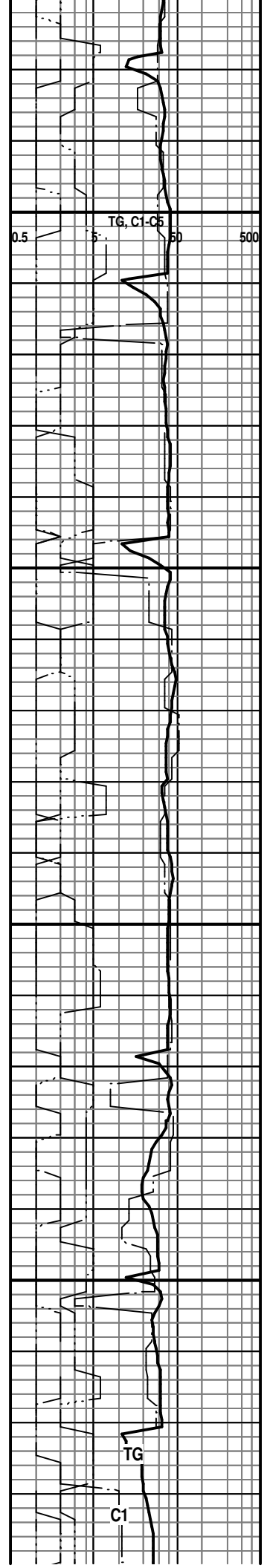
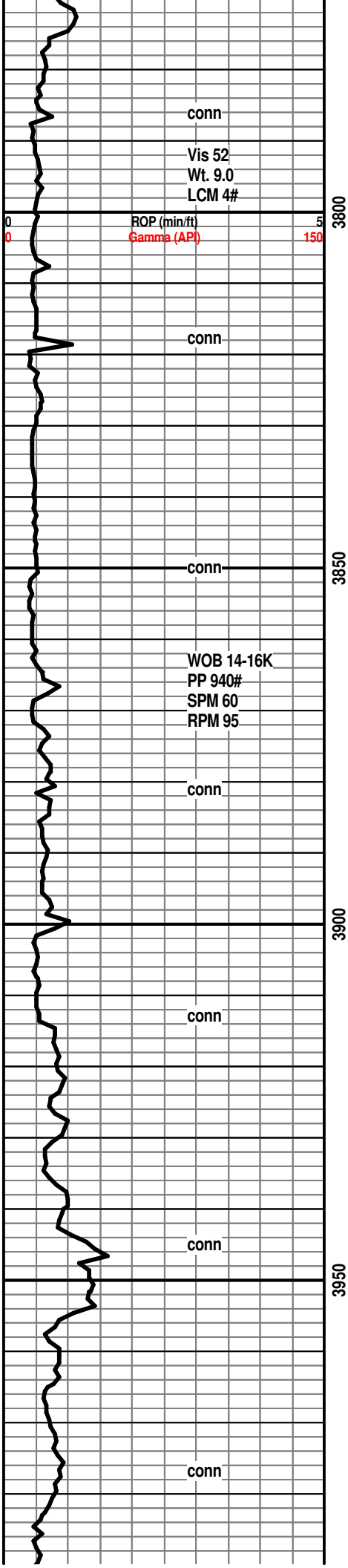
- INTERVAL**
 Core
 Dst

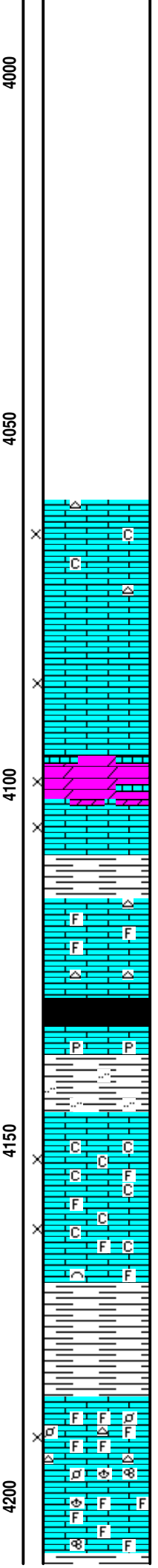
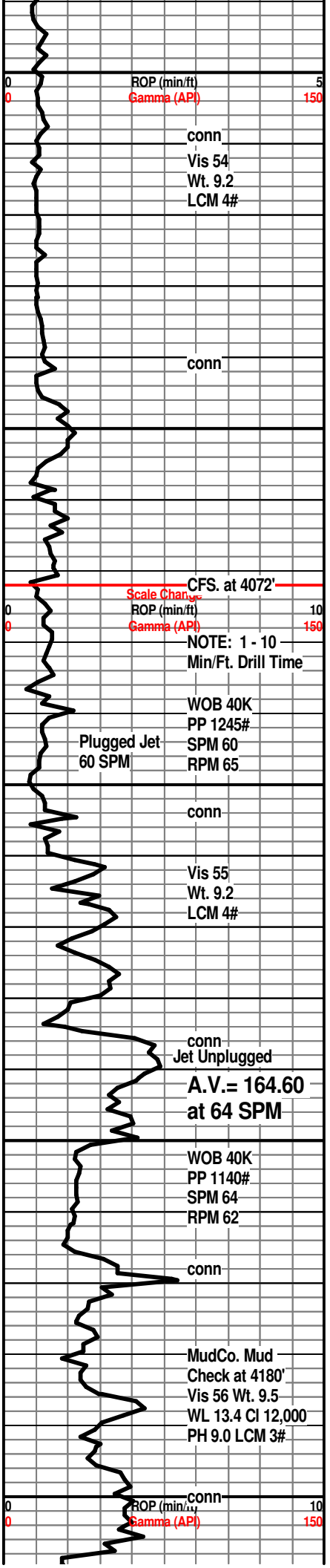




HOWARD 3670(-1342)







LM; wh, off wh, tan, med xln, chalky mtx ip, scat wh occ foss cht, fair interxln por, dull yel min fluor, ns.

BIT TRIP AT 4072'
Start 10' Wet and Dry Samples

LM; tan to off wh, cream, f to med xln, scat cse spar calc xtals, fair interxln por, dull yel min fluor, ns.

DOL; lt brn, sucrosic, v. lmy ip, fair interxln por, lt yel min fluor, no stn or odor, ns.

LM; tan to cream, f to med xln, some gran, scat spar calc xtals, fair interxln por, ns.

SH; med to dk gy, platy

LM; tan to lt gy, gy brn, foss, most well cem, rare lt gy cht, no fluor, no stn or odor, ns.

HEEBNER SHALE 4130(-1802)

SH; blk, carb, trc gas
LM; med brn, blocky, hd, occ pyr

SH; gy grn, grn, platy, occ silty

TORONTO 4146(-1818)

LM; wh, off wh, fxln, very chalky mtx, soft, poor interxln por, rare foss mat, dull yel min fluor, no stn or odor, no sample shows

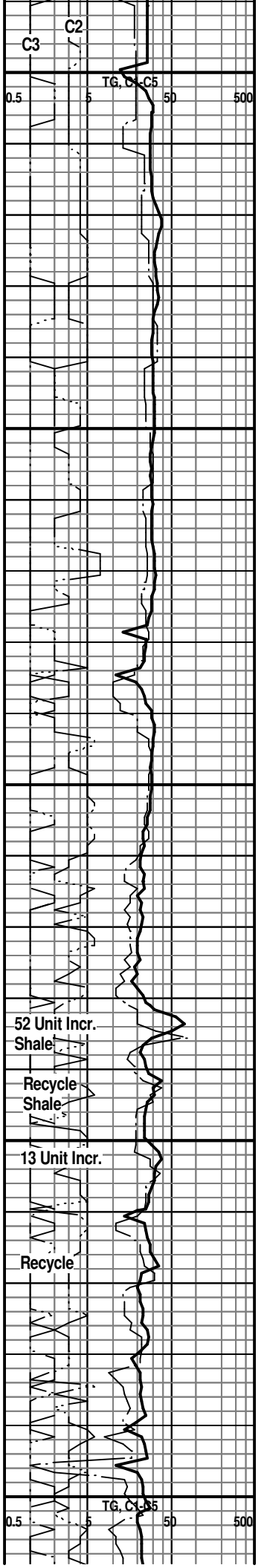
LM; med gy brn, blocky, foss ip, tite

DOUGLAS SHALE 4170(-1842)

SH; lt to med gy, smooth, fiss, occ mica

LM; off wh, tan, lt brn, highly foss, rare poor interpart por, most well cem, dull yel min fluor, no stn or odor, cherty ip, ns.

LM; tan to lt brn, foss, well cem, blocky ip, dull yel min fluor, no stn or odor, ns.



52 Unit Incr. Shale

Recycle Shale

13 Unit Incr.

Recycle

WOB 40K
PP 1200#
SPM 64
RPM 65

conn
MudCo. Mud
Check at 4232'
Vis 51 Wt. 9.3
WL 9.6 CI 8000
PH 10.5 LCM 2.5#

conn
A.V.= 164.60
at 64 SPM

conn
Vis 55
Wt. 9.3
LCM 3#
CFS. at 4312'

conn
DST #1
Lansing 'B'
4325' - 4342'
Corrected
CFS. at 4342'
MudCo. Mud
Check at 4342'
Vis 61 Wt. 9.4
WL 8.0 CI 9000
PH 9.5 LCM 4#

Vis 54
Wt. 9.0
LCM 5#

conn
WOB 40K
PP 1120#
SPM 64
RPM 62

conn

4250

4300

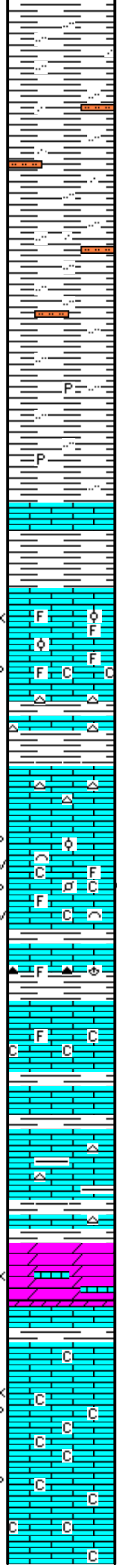
4350

4400

ROP (min/ft)
Gamma (A)

WOB 40K
PP 1120#
SPM 64
RPM 62

conn



SH; lt to med gy, silty to sandy ip, platy

SH; lt gy, occ med gy, silty to sandy w/interbdd sltst.

SH; lt gy, rarely med gy, silty to sandy, rare pyr

BROWN LMST. 4282(-1954)

LM; med to dk brn, dense, micritic

LANSING 'A' 4292(-1964)

LM; tan - cream, foss, scat foss mat w/rare small ooids, well cem, much spar calc, lt yel min fluor, no stn or odor, poor interpart por

LM; off wh, tan, fxln w/foss mat, chalky ip, rare p-p por, lt yel min fluor, spar calc, ns.

SH; grn, gy grn, platy, smooth

LANSING 'B' 4317(-1989)

LM; med brn, dense, scat gy cht, tite

LM; off wh, tan - cream, v. foss ip, well dev. p-p and vug por, lt yel fluor, faint gas odor, gas bubbles, rare spotted lt brn oil stn, mostly gas show, some chalk and chalky mtx

DST #1: Lansing 'B' Zn. 4325' - 4342' Corrected Depths to Log

LM; tan to cream, off wh, foss ip, chalky soft mtx, no fluor, ns.

LM; lt brn, hd, micritic, interbdd med gy shales

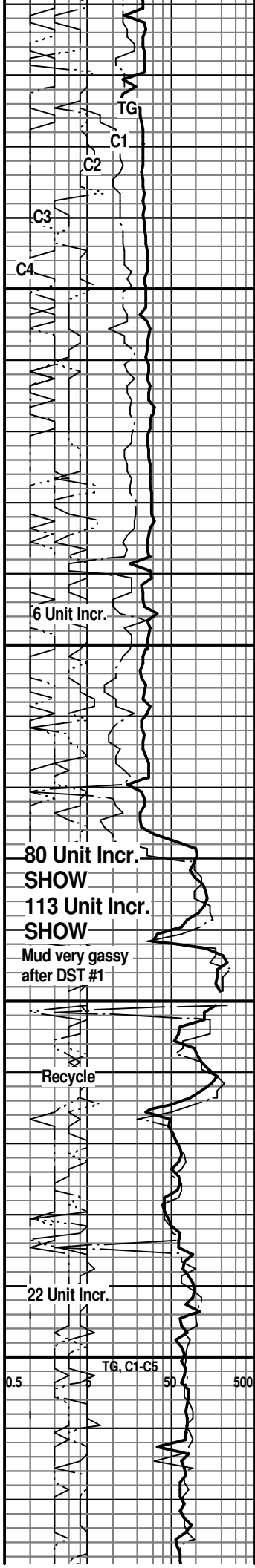
LM; lt brn, occ med gy brn, argil ip, scat off wh to lt gy occ foss cht, no vis por, no fluor, ns.

LANSING 'F' 4384(-2056)

DOL; tan to lt brn, sucrosic, fair interxln por, some lmy dolo, lt yel min fluor, no stn/odor, no sample shows

LM; off wh, tan - buff, fxln, poor vis interxln w/rare p-p por, chalky ip, scat wh cht, lt yel min fluor, ns.

LM; wh, off wh, f to occ med xln, scat gd p-p por, very chalky w/much pure chalk, soft, dull yel fluor, no stn or odor, ns.



6 Unit Incr.

80 Unit Incr.

SHOW

113 Unit Incr.

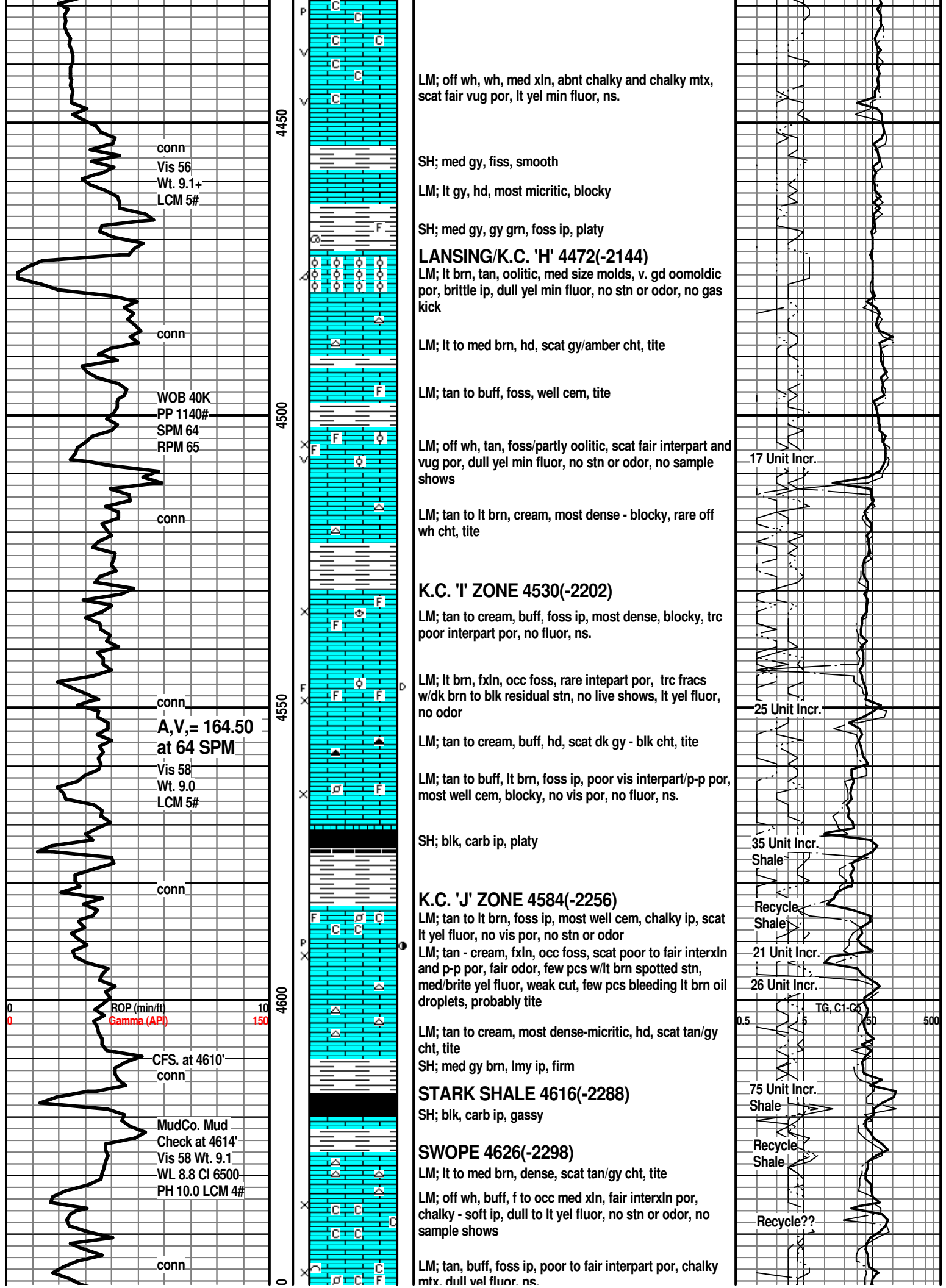
SHOW

Mud very gassy after DST #1

Recycle

22 Unit Incr.

TG, C1-C5



conn
Vis 56
Wt. 9.1+
LCM 5#

conn

WOB 40K
PP 1140#
SPM 64
RPM 65

conn

conn
A, V, = 164.50
at 64 SPM
Vis 58
Wt. 9.0
LCM 5#

conn

ROP (min/ft)
Gamma (API)

CFS. at 4610'
conn

MudCo. Mud
Check at 4614'
Vis 58 Wt. 9.1
WL 8.8 Cl 6500
PH 10.0 LCM 4#

conn

LM; off wh, wh, med xln, abnt chalky and chalky mtz, scat fair vug por, lt yel min fluor, ns.

SH; med gy, fiss, smooth

LM; lt gy, hd, most micritic, blocky

SH; med gy, gy grn, foss ip, platy

LANSING/K.C. 'H' 4472(-2144)

LM; lt brn, tan, oolitic, med size molds, v. gd oomoldic por, brittle ip, dull yel min fluor, no stn or odor, no gas kick

LM; lt to med brn, hd, scat gy/amber cht, tite

LM; tan to buff, foss, well cem, tite

LM; off wh, tan, foss/partly oolitic, scat fair interpart and vug por, dull yel min fluor, no stn or odor, no sample shows

LM; tan to lt brn, cream, most dense - blocky, rare off wh cht, tite

K.C. 'I' ZONE 4530(-2202)

LM; tan to cream, buff, foss ip, most dense, blocky, trc poor interpart por, no fluor, ns.

LM; lt brn, fxln, occ foss, rare interpart por, trc frags w/dk brn to blk residual stn, no live shows, lt yel fluor, no odor

LM; tan to cream, buff, hd, scat dk gy - blk cht, tite

LM; tan to buff, lt brn, foss ip, poor vis interpart/p-p por, most well cem, blocky, no vis por, no fluor, ns.

SH; blk, carb ip, platy

K.C. 'J' ZONE 4584(-2256)

LM; tan to lt brn, foss ip, most well cem, chalky ip, scat lt yel fluor, no vis por, no stn or odor

LM; tan - cream, fxln, occ foss, scat poor to fair interxln and p-p por, fair odor, few pcs w/lt brn spotted stn, med/brite yel fluor, weak cut, few pcs bleeding lt brn oil droplets, probably tite

LM; tan to cream, most dense-micritic, hd, scat tan/gy cht, tite

SH; med gy brn, lmy ip, firm

STARK SHALE 4616(-2288)

SH; blk, carb ip, gassy

SWOPE 4626(-2298)

LM; lt to med brn, dense, scat tan/gy cht, tite

LM; off wh, buff, f to occ med xln, fair interxln por, chalky - soft ip, dull to lt yel fluor, no stn or odor, no sample shows

LM; tan, buff, foss ip, poor to fair interpart por, chalky mtz, dull yel fluor, ns.

17 Unit Incr.

25 Unit Incr.

35 Unit Incr.
Shale

Recycle
Shale

21 Unit Incr.

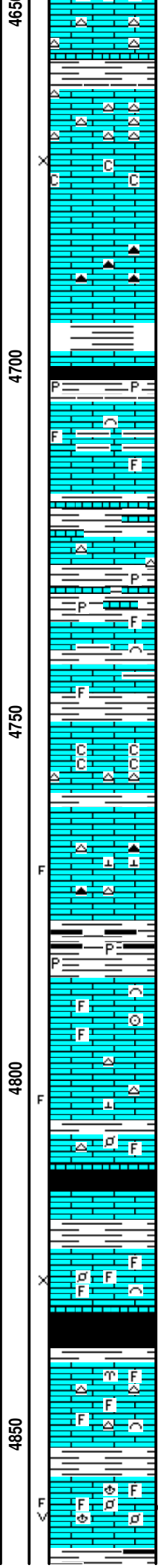
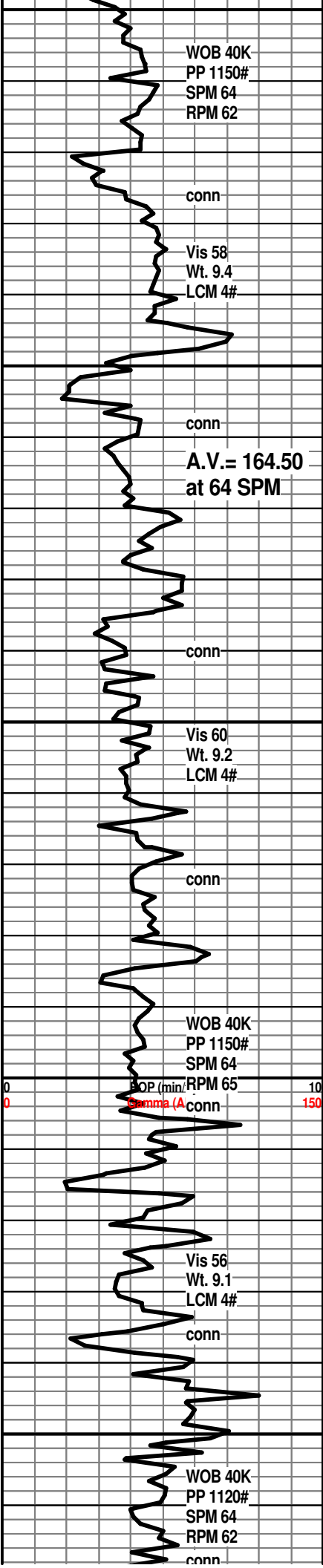
26 Unit Incr.

0.5 5 50 500
TG, C1-C2

75 Unit Incr.
Shale

Recycle
Shale

Recycle??



LM; tan to lt brn, hd, micritic, cherty ip, tite

HERTHA 4661(-2333)
LM; tan to lt brn, hd, abnt gy/tan/wh cht, dense

LM; tan to cream, fxln, poor to fair interxln por, soft chalky mtx, no fluor, no stn or odor, ns.

LM; med to dk brn, hd, scat dk gy to blk cht, tite

BASE KANSAS CITY 4694(-2366)
SH; varic - grn, gy grn, rust red/brn

SH; dk gy - blk, platy, pyr ip.

PLEASANTON 4705(-2377)
LM; tan to lt brn, foss, most well cem, some argil lmst, no vis por, rare lt yel fluor, ns.

LM; tan to buff, litho, dense, rare well cem foss

LM; tan to cream, buff, micritic, scat wh/gy cht, no vis por, lt yel min fluor, ns.

SH; med gy grn, foss ip, rare pyr, some lmy

MARMATON 4736(-2408)
LM; lt to med brn, foss ip, most well cem, blocky, trc grn shaly lmst, lt yel min fluor, no stn or odor, no sample shows

ALTAMONT 4750(-2422)
LM; tan to cream, off wh, fxln to micritic, interbdd soft chalky lmst, scat wh/gy cht, no vis por, lt yel min fluor, no stn or odor, ns.

LM; tan to cream, buff, most dense - micritic, rare fxln, spar calc frags, no vis por, lt yel min fluor, occ amber cht, tite

SH; med to dk gy, trc blk, platy, occ pyr

PAWNEE 4786(-2458)
LM; tan to lt brn, foss ip, well cem, lt yel min fluor, no vis por, no stn or odor, ns.

LM; tan to buff, cream, hd, litho, rare calc fld frags, dull yel min fluor only, scat wh cht, no stn or odor, ns.

LM; med to dk brn, blocky, well cem foss, tite

LABETTE SHALE 4813(-2485)
SH; blk, carb ip, gassy, faint gas odor

LM; tan to lt brn, hd, blocky, tite

LM; tan to buff, cream, foss, occ fair interpart por, much foss hash, dull yel fluor, no stn, ns.

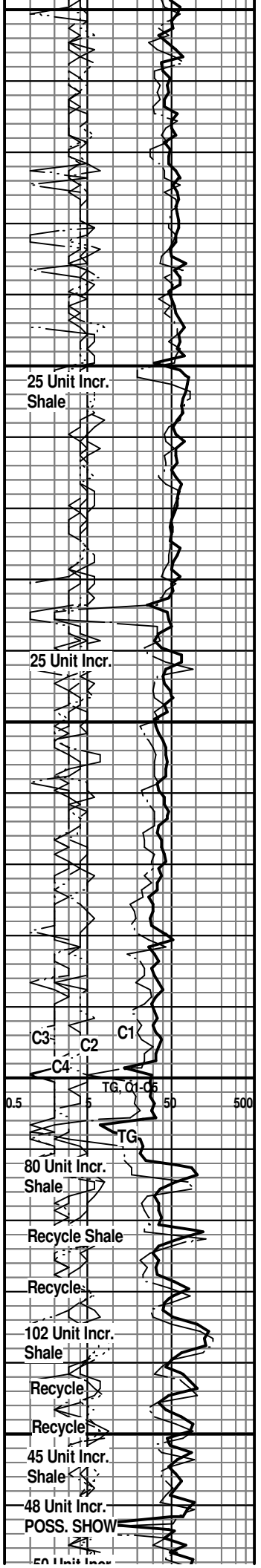
CHEROKEE SHALE 4833(-2505)
SH; blk, carb, platy, trc gas

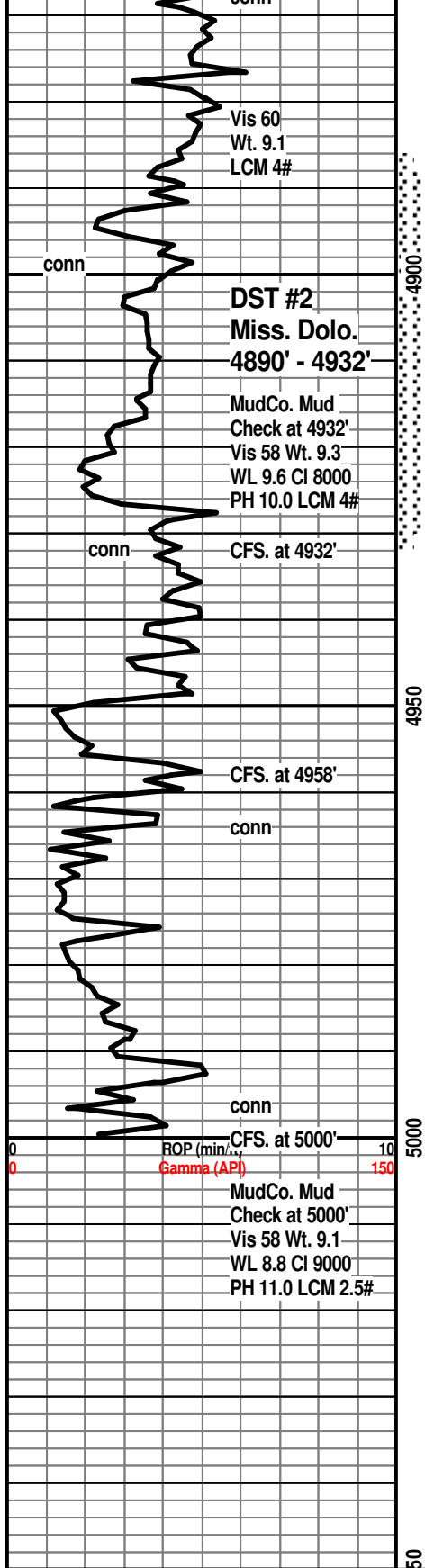
LM; lt to med brn, hd - blocky, scat well cem foss mat, scat brn fresh cht, lt yel min fluor, no stn or odor, ns.

SH; blk, platy

LM; med brn, foss, scat poor vug por in some, poss frags, scat med yel fluor, fair odor, no F.O., fair cut, spotted med brn stn, fairly tite zone

SH; dk ov. blk. platy





Vis 60
Wt. 9.1
LCM 4#

DST #2
Miss. Dolo.
4890' - 4932'

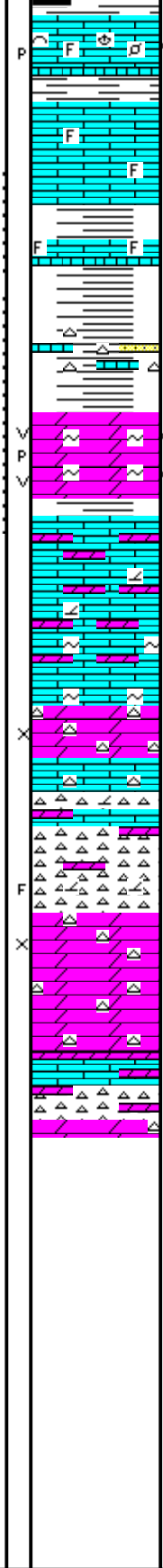
MudCo. Mud
Check at 4932'
Vis 58 Wt. 9.3
WL 9.6 CI 8000
PH 10.0 LCM 4#

CFS. at 4932'

CFS. at 4958'

CFS. at 5000'

MudCo. Mud
Check at 5000'
Vis 58 Wt. 9.1
WL 8.8 CI 9000
PH 11.0 LCM 2.5#



LM; tan to lt brn, foss, much foss hash, well cem, rare p-p por, trc spotted dk brn oil stn, faint odor, lt yel fluor, looks tite

LM; lt brn, fxln, scat well cem foss mat, most dense - blocky, dull yel min fluor, no stn, ns.

BASE CHER. LMST. 4892(-2564)

SH, gy grn, sea grn, interbdd foss thin lmst

SH; varic, rust red, grn, brn, interbdd red/org cht, rare f gr qtz, some weathered lmst.

MISS. WARSAW 4916(-2588)

DOL; tan - lt brn, med rhombic to sucrosic, glau ip, fair to gd p-p/vug por, fair to gd odor, spotted lt brn stn, med golden yel fluor, gas bubbles, fair cut

DST #2: Miss. Warsaw 4890' - 4932'

DOL LMST; off wh, wh, lt gy, dolomitic ip, hd, rare, occ lt yel fluor, rare pcs of hd dolo w/spotted oil stn, no vis por, no odor

DOL LMST; wh, off wh, cse xln, very glau ip, interbdd hd lmy dolo, lt yel fluor, ns.

DOL; off wh, tan, sucrosic, gd interxln por, lt yel min fluor, cherty w/wh fresh cht, no stn or odor, barren, ns,

LM; off wh - lt gy, med xln, cherty, lt yel min fluor, no stn or odor, ns, interbdd wh dolomitic lmst.

CHT; off wh, lt gy, fresh, frags in some, dull to lt yel fluor, dolomitic, no vis stn, no odor, ns.

DOL; wh, off wh, lt brn, sucrosic, fair to gd interxln por, cherty, lt yel min fluor, no stn or odor, ns.

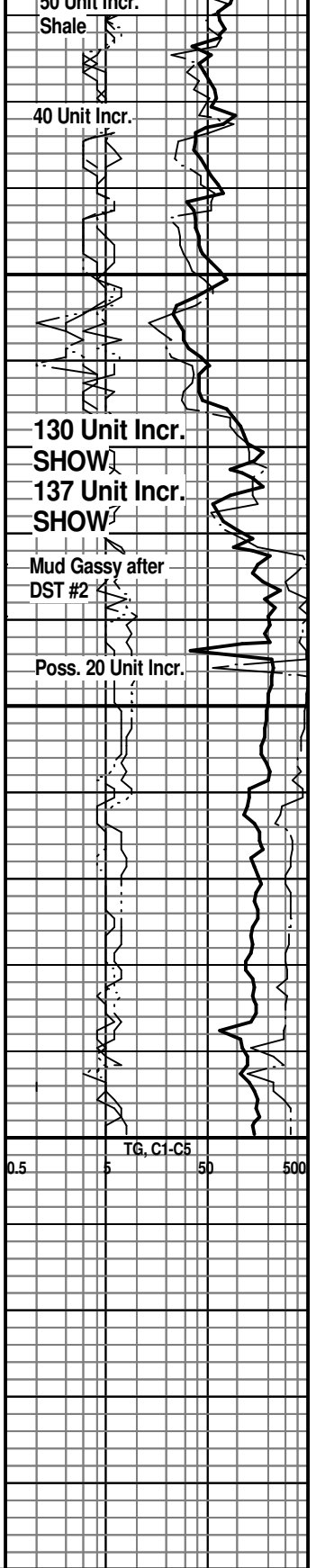
CHERTY DOL; tan to off wh, sucrosic, interbdd hd cse xln dolomitic lmst, no fluor, ns.

RTD. 5000' at 6:03 AM. 6/15/21

LTD. 5000' at 10:30 AM. 6/15/21

ELI Wireline DIL, NEU/DEN w/PE, Microlog, Sonic

NOTE: The Gamma Ray could not be imported onto this log due to a corrupted file.



50 Unit Incr.

40 Unit Incr.

130 Unit Incr.

SHOW

137 Unit Incr.

SHOW

Mud Gassy after
DST #2

Poss. 20 Unit Incr.

0.5 5 TG, C1-C5 50 500



Company: Herman L. Loeb, LLC
Lease: Toner #1-9

SEC: 9 TWN: 28S RNG: 20W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Sterling Drilling
 Company - Rig 4
 Elevation: 2317 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 485
 API #: 15-097-21856

Operation:
 Uploading recovery &
 pressures

DATE
 June
12
 2021

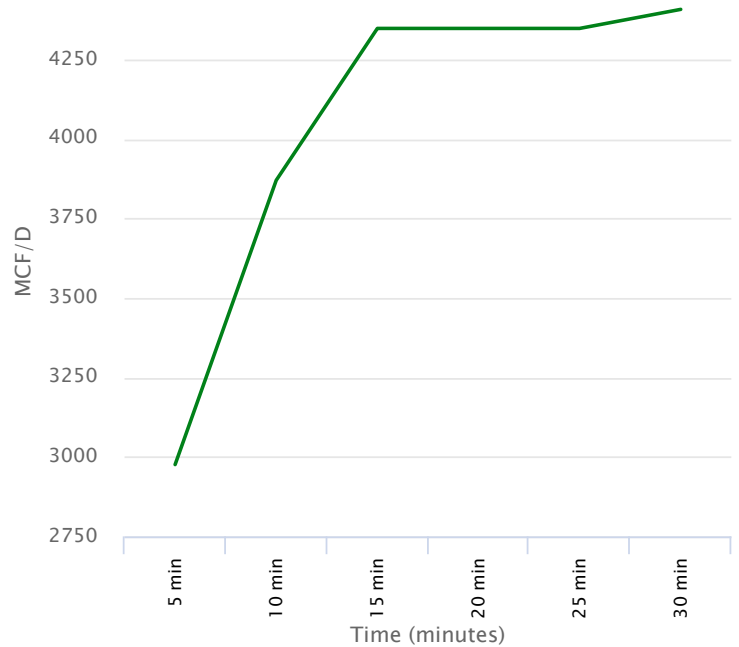
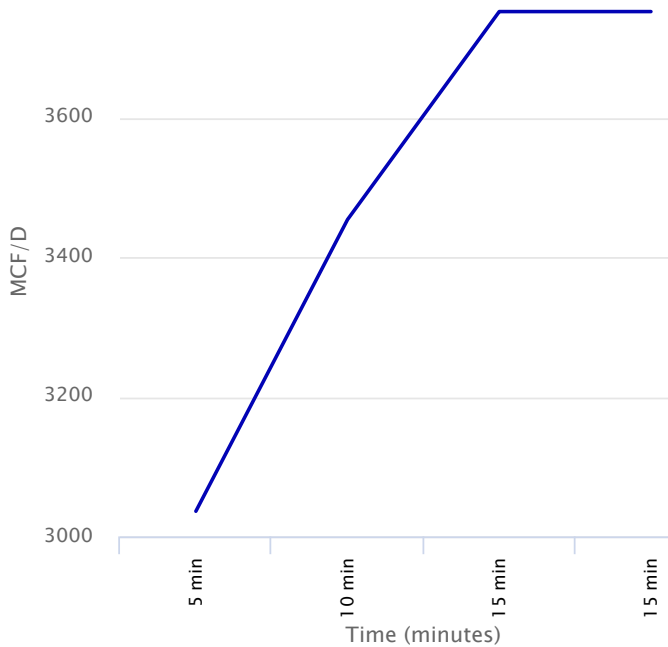
DST #1 Formation: Lansing Test Interval: 4326 - Total Depth: 4343'
"B"
 Time On: 02:47 06/12 Time Off: 10:29 06/12
 Time On Bottom: 05:07 06/12 Time Off Bottom: 08:07 06/12

Gas Volume Report

Remarks: GTS 30 seconds of first open Took first gas sample 5 min into first flow period Took second gas sample 5 min into final flow period.

1st Open			
Time	Orifice	PSI	MCF/D
5	1.50	38	3036
10	1.50	45	3454
15	1.50	50	3752
15	1.50	50	3752

2nd Open			
Time	Orifice	PSI	MCF/D
5	1.50	37	2976
10	1.50	52	3871
15	1.50	60	4349
20	1.50	60	4349
25	1.50	60	4349
30	1.50	61	4409





Company: Herman L. Loeb, LLC
Lease: Toner #1-9

SEC: 9 TWN: 28S RNG: 20W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Sterling Drilling
 Company - Rig 4
 Elevation: 2317 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 485
 API #: 15-097-21856

Operation:
 Uploading recovery &
 pressures

DATE
 June
14
 2021

DST #2 **Formation: Mississippian** **Test Interval: 4890 - 4932'** **Total Depth: 4932'**
 Time On: 13:35 06/14 Time Off: 22:17 06/14
 Time On Bottom: 16:11 06/14 Time Off Bottom: 19:26 06/14

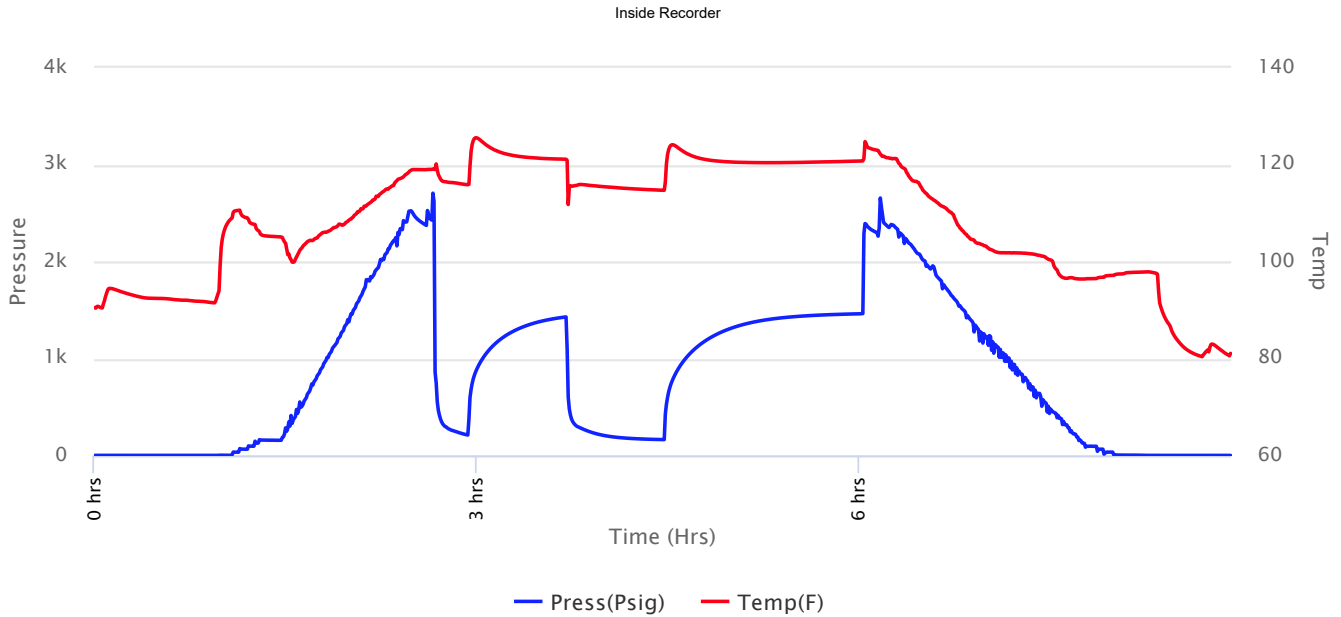
Electronic Volume Estimate:
 N/A

1st Open
 Minutes: 15
 Current Reading:
 Measuring gas" at 15 min
 Max Reading: Measuring gas"

1st Close
 Minutes: 45
 Current Reading:
 0" at 45 min
 Max Reading: 0"

2nd Open
 Minutes: 45
 Current Reading:
 Measuring gas" at 45 min
 Max Reading:
 Measuring gas"

2nd Close
 Minutes: 90
 Current Reading:
 0" at 90 min
 Max Reading: 0"





Company: Herman L. Loeb, LLC
Lease: Toner #1-9

SEC: 9 TWN: 28S RNG: 20W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Sterling Drilling
 Company - Rig 4
 Elevation: 2317 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 485
 API #: 15-097-21856

Operation:
 Uploading recovery &
 pressures

DATE
 June
14
 2021

DST #2 **Formation: Mississippian** **Test Interval: 4890 - 4932'** **Total Depth: 4932'**
 Time On: 13:35 06/14 Time Off: 22:17 06/14
 Time On Bottom: 16:11 06/14 Time Off Bottom: 19:26 06/14

Recovered

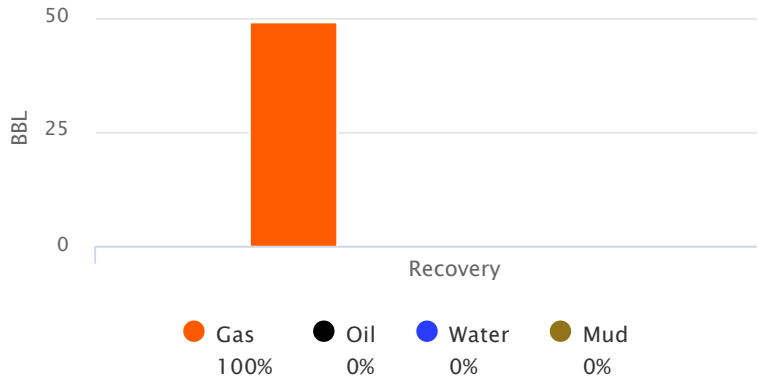
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
4932	48.93853311	G	100	0	0	0

Total Recovered: 4932 ft
 Total Barrels Recovered:
 48.93853311

Reversed Out
 NO

Initial Hydrostatic Pressure	2428	PSI
Initial Flow	300 to 212	PSI
Initial Closed in Pressure	1429	PSI
Final Flow Pressure	296 to 164	PSI
Final Closed in Pressure	1463	PSI
Final Hydrostatic Pressure	2321	PSI
Temperature	126	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance



GIP cubic foot volume: 274.76539



Company: Herman L. Loeb, LLC
Lease: Toner #1-9

SEC: 9 TWN: 28S RNG: 20W
County: KIOWA
State: Kansas
Drilling Contractor: Sterling Drilling
Company - Rig 4
Elevation: 2317 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 485
API #: 15-097-21856

Operation:
Uploading recovery &
pressures

DATE
June
14
2021

DST #2	Formation: Mississippian	Test Interval: 4890 - 4932'	Total Depth: 4932'
	Time On: 13:35 06/14	Time Off: 22:17 06/14	
	Time On Bottom: 16:11 06/14	Time Off Bottom: 19:26 06/14	

BUCKET MEASUREMENT:

1st Open: BOB 10 sec
1st Close: No BB
2nd Open: BOB instantaneously
2nd Close: No BB

REMARKS:

No tool sample or fluid in pipe not even in tool joint.

Tool Sample: 0% Gas 0% Oil 0% Water 0% Mud



Company: Herman L. Loeb, LLC
Lease: Toner #1-9

SEC: 9 TWN: 28S RNG: 20W
County: KIOWA
State: Kansas
Drilling Contractor: Sterling Drilling
Company - Rig 4
Elevation: 2317 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 485
API #: 15-097-21856

Operation:
Uploading recovery &
pressures

DATE
June
14
2021

DST #2 **Formation: Mississippian** **Test Interval: 4890 - 4932'** **Total Depth: 4932'**
Time On: 13:35 06/14 Time Off: 22:17 06/14
Time On Bottom: 16:11 06/14 Time Off Bottom: 19:26 06/14

Down Hole Makeup

Heads Up: 13.55 FT	Packer 1: 4885 FT
Drill Pipe: 4652.91 FT <i>ID-3 1/4</i>	Packer 2: 4890 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4874.42 FT
Collars: 218.07 FT <i>ID-2 3/8</i>	Bottom Recorder: 4895 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 42	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/4</i>	
Change Over: 0 FT	
Perforations: (below): 38 FT <i>4 1/2-FH</i>	



Company: Herman L. Loeb, LLC
Lease: Toner #1-9

SEC: 9 TWN: 28S RNG: 20W
County: KIOWA
State: Kansas
Drilling Contractor: Sterling Drilling
Company - Rig 4
Elevation: 2317 GL
Field Name: Wildcat
Pool: WILDCAT
Job Number: 485
API #: 15-097-21856

Operation:
Uploading recovery &
pressures

DATE
June
14
2021

DST #2 **Formation:** **Test Interval: 4890 -** **Total Depth: 4932'**
Mississippian **4932'**
Time On: 13:35 06/14 Time Off: 22:17 06/14
Time On Bottom: 16:11 06/14 Time Off Bottom: 19:26 06/14

Mud Properties

Mud Type: Chemical **Weight:** 9.3 **Viscosity:** 58 **Filtrate:** 9.6 **Chlorides:** 8,000 ppm



Company: Herman L. Loeb, LLC
Lease: Toner #1-9

SEC: 9 TWN: 28S RNG: 20W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Sterling Drilling
 Company - Rig 4
 Elevation: 2317 GL
 Field Name: Wildcat
 Pool: WILDCAT
 Job Number: 485
 API #: 15-097-21856

Operation:
 Uploading recovery &
 pressures

DATE
 June
14
 2021

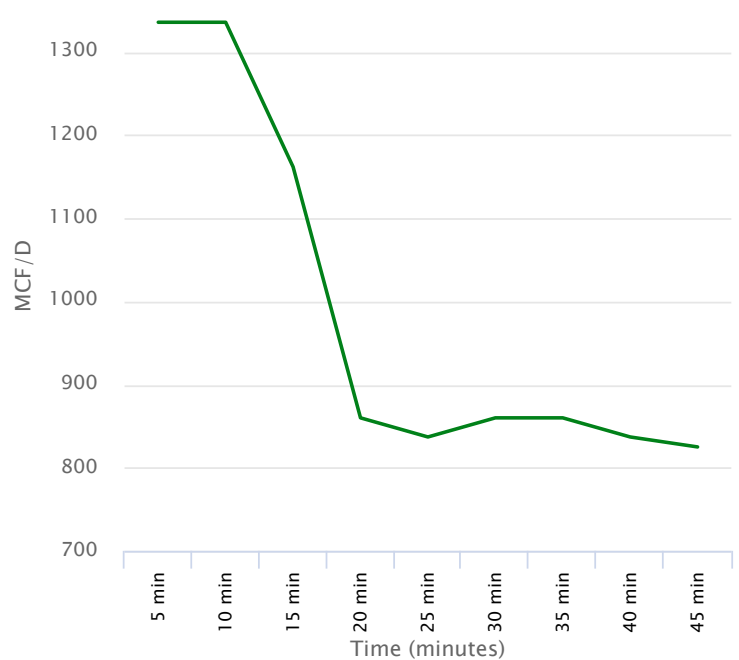
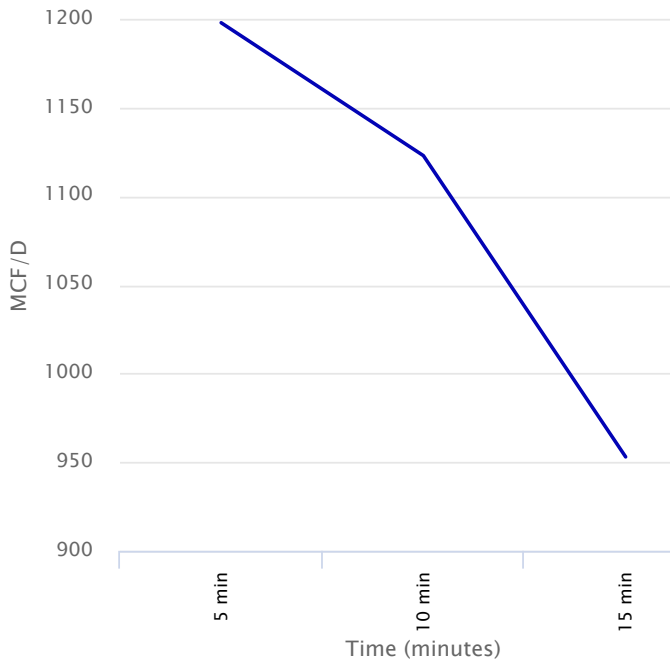
DST #2 **Formation: Mississippian** **Test Interval: 4890 - 4932'** **Total Depth: 4932'**
 Time On: 13:35 06/14 Time Off: 22:17 06/14
 Time On Bottom: 16:11 06/14 Time Off Bottom: 19:26 06/14

Gas Volume Report

Remarks: GTS 1 1/2 min into initial flow period Took 1st sample 6 to 7 min into initial flow period Took second gas sample 11 min into final flow period

1st Open			
Time	Orifice	PSI	MCF/D
5	1.50	9.0	1198
10	1.50	8.0	1123
15	1.50	6.0	953

2nd Open			
Time	Orifice	PSI	MCF/D
5	0.75	100	1336
10	0.75	100	1336
15	0.75	85	1162
20	0.75	59	860
25	0.75	57	837
30	0.75	59	860
35	0.75	59	860
40	0.75	57	837
45	0.75	56	825



6/14

✓



HURRICANE SERVICES INC

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

Customer:
HERMAN L LOEB LLC
PO BOX 838
LAWRENCEVILLE, IL 62439

PAID
102231
JUN 22 2021

SCANNED

Invoice Date: 6/8/2021
Invoice #: 0353319
Lease Name: Toner
Well #: 1-9 (New)
County: Kiowa, Ks
Job Number: WP1460
District: Pratt

11216 → 6420 → Toner

Date/Description	HRS/QTY	Rate	Total
8 5/8" Surface	0.000	0.000	0.00
H-CON	150.000	18.480	2,772.00
Cement Pozmix 60/40	175.000	11.440	2,002.00
Calcium Chloride	453.000	0.660	298.98
Cello Flake	44.000	1.540	67.76
Guide Shoe Reg 8 5/8"	1.000	528.000	528.00
8 5/8" Alum Baffle plate SI	1.000	132.000	132.00
8 5/8" Top rubber plug	1.000	154.000	154.00
Light Eq Mileage	45.000	1.760	79.20
Heavy Eq Mileage	45.000	3.520	158.40
Ton Mileage	657.000	1.320	867.24
Cement Pump Service	1.000	660.000	660.00
Cement Plug Container	1.000	220.000	220.00

Total 7,939.58

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!

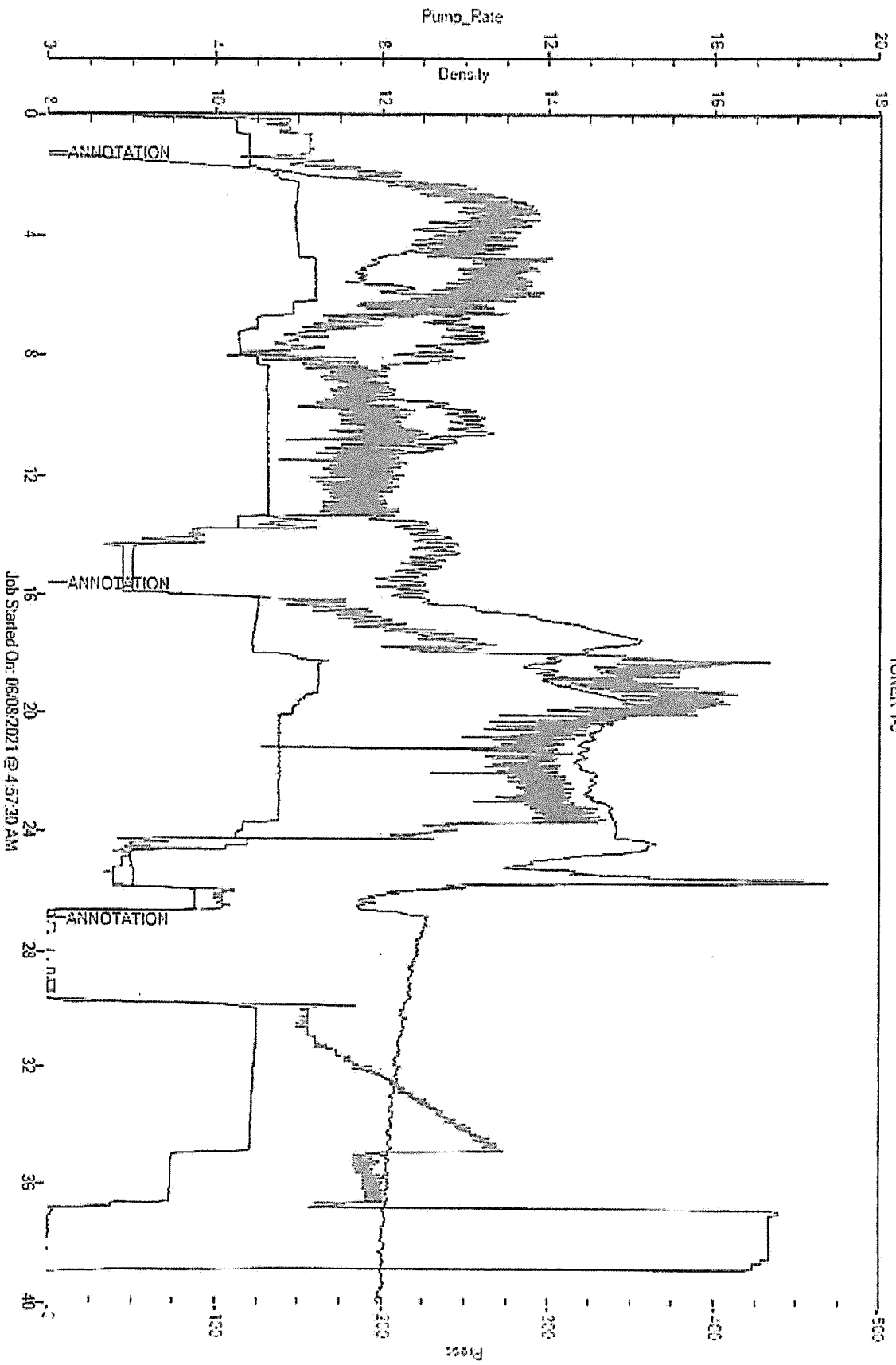


Customer		HERMAN LOEB LLC		Lease & Well #		TONER 1-9		Date		6/8/2021			
Service District		PRATT		County & State		KIOWA KS		Job #					
Job Type		8 5/8 SURFACE		<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD		New Well?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> No		Ticket #		WP1460	
Equipment #		Driver		Job Safety Analysis - A Discussion of Hazards & Safety Procedures									
912		MATTAL		<input checked="" type="checkbox"/> MCELMORE		<input checked="" type="checkbox"/> Gloves		<input type="checkbox"/> Lockout/Tagout		<input type="checkbox"/> Warning Signs & Flagging			
176/521		MCELMORE		<input checked="" type="checkbox"/> H2S Monitor		<input checked="" type="checkbox"/> Eye Protection		<input type="checkbox"/> Required Permits		<input type="checkbox"/> Fall Protection			
182/522		TRVINO		<input checked="" type="checkbox"/> Safety Footwear		<input type="checkbox"/> Respiratory Protection		<input type="checkbox"/> Slip/Trip/Fall Hazards		<input 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 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					
Comments													
Product/ Service Code													
		Description		Unit of Measure		Quantity				Net Amount			
CP025		H-Con		sack		150.00				\$2,772.00			
CP070		60/40/2 Pozmix		sack		175.00				\$2,002.00			
CP100		Calcium Chloride		lb		453.00				\$298.98			
CP120		Cello-flake		lb		44.00				\$67.76			
FE260		8 5/8" Guide Shoe		ea		1.00				\$528.00			
FE280		8 5/8" Baffle		ea		1.00				\$132.00			
FE285		8 5/8" Rubber Plug		ea		1.00				\$154.00			
M015		Light Equipment Mileage		mi		45.00				\$79.20			
M010		Heavy Equipment Mileage		mi		45.00				\$158.40			
M020		Ton Mileage		tm		657.00				\$867.24			
C010		Cement Pump Service		ea		1.00				\$660.00			
C050		Cement Plug Container		job		1.00				\$220.00			
Customer Section: On the following scale how would you rate Hurricane Services Inc.?													
Based on this job, how likely is it you would recommend HSI to a colleague? <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"/>								Net:		\$7,939.58			
Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely								Total Taxable		\$ -			
								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:		\$ 7,939.58			
								HSI Representative: <i>Mike Mattal</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 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.

X _____ **CUSTOMER AUTHORIZATION SIGNATURE**

HERMAN LOEB LLC
TONER-1-9





HURRICANE SERVICES INC

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

Customer:

HERMAN L LOEB LLC
PO BOX 838
LAWRENCEVILLE, IL 62439

Invoice Date: 6/16/2021
Invoice #: 0353602
Lease Name: Toner
Well #: 1-9 (New)
County: Kiowa, Ks
Job Number: WP1485
District: Pratt

11216 → 6420 → Toner

Date/Description	HRS/QTY	Rate	Total
5 1/2 Longstring	0.000	0.000	0.00
Cement Pozmix 50/50	225.000	10.560	2,376.00
H-Plug	50.000	11.440	572.00
GYP Seal	945.000	0.880	831.60
KOL Seal	1,350.000	0.660	891.00
Cello Flake	57.000	1.540	87.78
Cement Fluid Loss 2	95.000	13.200	1,254.00
Defoamer Powder C-41P	95.000	3.520	334.40
Potassium Chloride Powder	509.000	1.320	671.88
5 1/2" Floatshoe-Flapper AFU	1.000	330.000	330.00
5 1/2" LD Plug & Baffle	1.000	308.000	308.00
Reciprocating scratcher 5 1/2"	5.000	68.376	341.88
5 1/2" Turbolizers	12.000	70.400	844.80
Cement baskets 5 1/2"	2.000	264.000	528.00
Mud flush	1,000.000	0.880	880.00
Liquid KCL Substitute 2	5.000	17.600	88.00
Light Eq Mileage	45.000	1.760	79.20
Heavy Eq Mileage	45.000	3.520	158.40
Ton Mileage	520.000	1.320	686.40
Cement Pump Service	1.000	1,320.000	1,320.00
Cement Plug Container	1.000	220.000	220.00

PAID
102469
JUL 07 2021
SCANNED

Continued



HURRICANE SERVICES INC

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

Customer:

HERMAN L LOEB LLC
PO BOX 838
LAWRENCEVILLE, IL 62439

Invoice Date: 6/16/2021
Invoice #: 0353602
Lease Name: Toner
Well #: 1-9 (New)
County: Kiowa, Ks
Job Number: WP1485
District: Pratt

Date/Description	HRS/QTY	Rate	Total
Cement Data Acquisition	1.000	220.000	220.00

Total 13,023.34

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	HERMAN LOEB LLC	Lease & Well #	TONER 1-9	Date	6/16/2021
Service District	PRATT	County & State	KIOWA KS	9-28S20W	Job #
Job Type	5 1/2 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 #
					WP1485


Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
912	MATTAL	<input checked="" type="checkbox"/> PPE	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
180/520	MIKE R.	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
181/532	MARTINEZ	<input checked="" type="checkbox"/> Safety Footwear	<input checked="" type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations
78	GARDUNO	<input checked="" 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	

Comments	

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP065	50/50/2 Pozmix	sack	225.00	\$2,376.00
CP055	H-Plug	sack	50.00	\$572.00
CP105	Gypsum	lb	945.00	\$831.60
CP110	Kol Seal	lb	1,350.00	\$891.00
CP120	Cello-flake	lb	57.00	\$87.78
CP132	Cement Fluid Loss 2	lb	95.00	\$1,254.00
CP135	Defoamer Powder	lb	95.00	\$334.40
AF057	Potassium Chloride Powder	lb	509.00	\$671.88
FE145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00	\$330.00
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00	\$308.00
FE185	5 1/2" Cement Scratchers Resciprocating Type	ea	5.00	\$341.88
FE135	5 1/2 Turbolizer	ea	12.00	\$844.80
FE130	5 1/2" Cement Basket	ea	2.00	\$528.00
CP170	Mud Flush	gal	1,000.00	\$880.00
AF056	Liquid KCL Substitute 2	gal	5.00	\$88.00
M015	Light Equipment Mileage	mi	45.00	\$79.20
M010	Heavy Equipment Mileage	mi	45.00	\$158.40
M020	Ton Mileage	tm	520.00	\$686.40
C015	Cement Pump Service	ea	1.00	\$1,320.00
C050	Cement Plug Container	job	1.00	\$220.00
C035	Cement Data Acquisition	job	1.00	\$220.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Net:	\$13,023.34
Based on this job, how likely is it you would recommend HSI to a colleague? <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"/> Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely		Total Taxable \$ - 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: \$ 13,023.34
		HSI Representative: <i>Mike Mattal</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 1/4% 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 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.

x  CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPORT

Customer:	HERMAN LOEB LLC	Well:	TONER 1-9	Ticket:	WP1485
City, State:	MULLINVILLE KS	County:	KIOWA KS	Date:	6/16/2021
Field Rep:	GEORGE PAYNE	S-T-R:	9-28S20W	Service:	5 1/2 LONGSTRING

Downhole Information	
Hole Size:	in
Hole Depth:	5000 ft
Casing Size:	5 1/2 in
Casing Depth:	5000.15 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	118.5 bbls

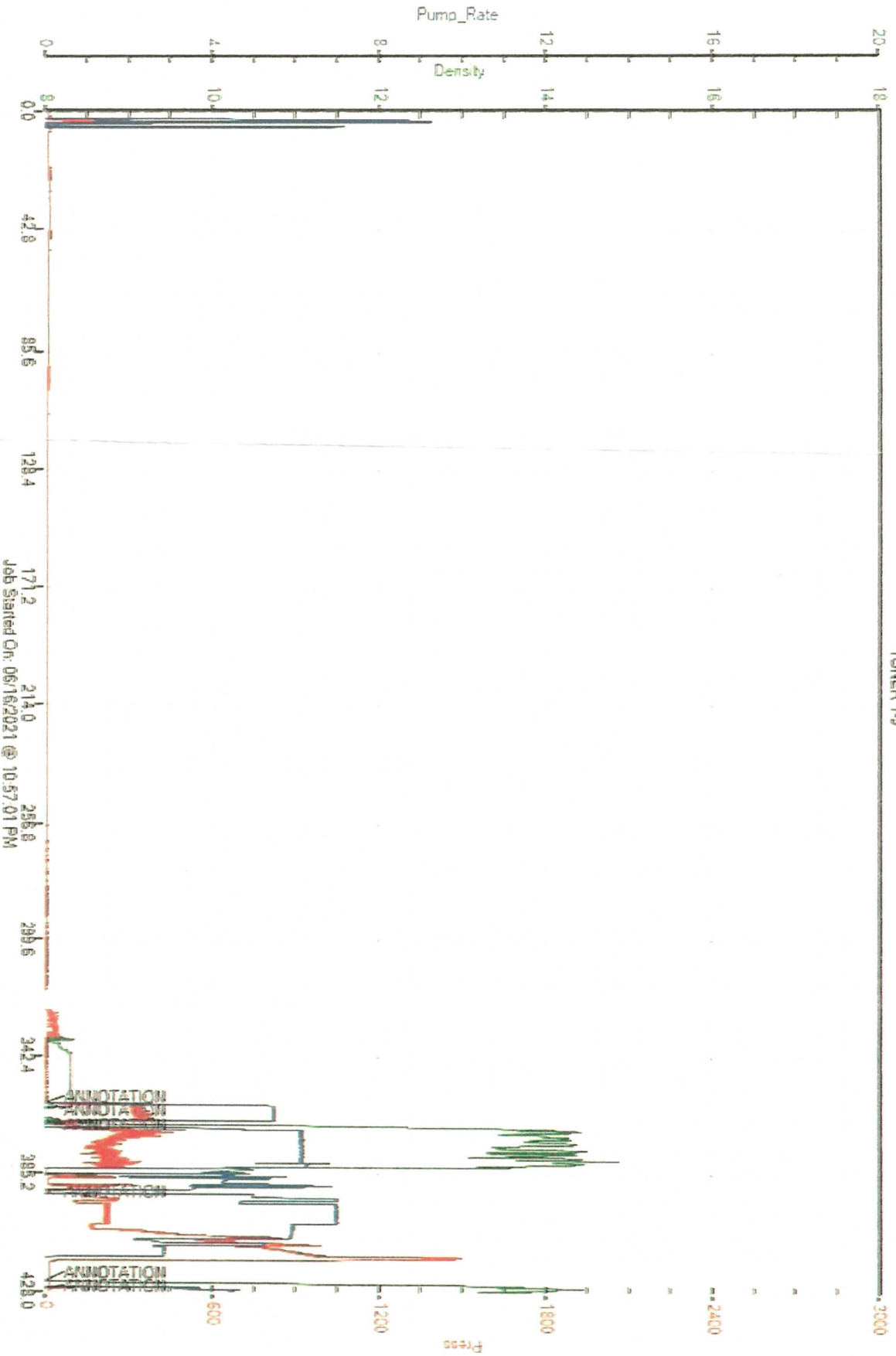
Calculated Slurry - Lead	
Blend:	50/50/2 POZMIX
Weight:	14.0 ppg
Water / Sx:	5.5 gal / sx
Yield:	1.37 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	55.0 bbls
Total Sacks:	225 sx

Calculated Slurry - Tail	
Blend:	H PLUG
Weight:	13.78 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.43 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	12.0 bbls
Total Sacks:	50 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
10:10 PM			-	-	ON LOCATION, SAFTEY MEETING
12:15 AM			-	-	RUN 5 1/2 CASING WITH FLOAT SHOE AND LATCH DOWN BAFFLE, 21' SHOE JOINT
					cent. On 1,2,5,9,14,15,16,18,20,22,24,28 BASKET ON PIN OF 9 & 22 SCRATCERS ON JOINT 1
3:23 AM			-	-	CASING ON BOTTOM, HOOK TO CASING & BREAK CIRC WITH RIG
4:55 AM	5.0	330.0	5.0	5.0	PUMP 5 BBL WATER
4:59 AM	5.0	330.0	24.0	29.0	PUMP 1000 GAL. MUD FLUSH
5:05 AM	6.0	350.0	5.0	34.0	PUMP 5 BBL WATER
5:10 AM	6.0	250.0		34.0	MIX 225 SKS 50/50/2 POZMIX
5:23 AM				34.0	WASH PIMP AND LINE/ DROP PLUG
5:30 AM	7.0	260.0		34.0	START DISPLACEMENT
5:45 AM	6.0	350.0	80.0		LIFT PRESSURE
5:50 AM	3.0	700.0	110.0	110.0	SLOW RATE
5:55 AM			118.5	228.5	PLUG DOWN, RELEASED AND HELD
6:00 AM	2.0	50.0	7.0	235.5	MIX 30 SKS H PLUG FOR RAT HOLE
6:05 AM	2.0	50.0	5.0	240.5	MIX 30 SKS H PLUG FOR MOUSEHOLE
					CIRCULATION THROUGH JOB
					JOB COMPLETE, THANK YOU!
					MIKE MATTAL
					FENNIS, MIKE, DARLY

	CREW		UNIT		SUMMARY		
					Average Rate	Average Pressure	Total Fluid
Cementer:	MATTAL		912		4.7 bpm	297 psi	355 bbls
Pump Operator:	MIKE R.		180/520				
Bulk #1:	MARTINEZ		181/532				
Bulk #2:	GARDUNO		78				

HERMAN LOEBB
TONER 1.9



Job Started On: 06/16/2021 @ 10:57:01 PM