

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
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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	Herman L. Loeb, LLC
Well Name	CLAYTON 2-16
Doc ID	1799364

Tops

Name	Top	Datum
Stone Corral	1293	1036
Chase	2568	-239
Lansing A	4310	-1981
Lansing B	4336	-2007
Lansing C	4367	-2038
Lansing KC H	4489	-2160
KC J	4605	-2276
BKC	4717	-2388
Miss Warsaw	4925	-2596

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: Clayton #2-16
Location: 2250' FSL & 1985' FEL, Sec. 16-T28S-R20W, Kiowa Co., KS.
Licence Number: 15-097-21875-00-00 Region: Fralick West
Spud Date: 7/11/2024 Drilling Completed: 7/20/2024
Surface Coordinates: 2250' FSL & 1985' FEL, Sec. 16-T28S-R20W

Bottom Hole Same as Above
Coordinates:
Ground Elevation (ft): 2318' K.B. Elevation (ft): 2329'
Logged Interval (ft): 3350' To: 5025' Total Depth (ft): 5025'
Formation: Mississippian at Total Depth
Type of Drilling Fluid: Fresh water/Gel to 3173'; Chemical Mud 3173' to TD.
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) 4343' -4360'(Corrected Depths to LOG) Test Times 15"-45"-45"-90" IFP Strong Blow BOB/2 Min., FFP Strong Blow BOB Immediately, no Gas to Surface, no Blowback on SI's; REC: 250' Gas in Pipe, 10' GCM(5%G, 95%M), no oil or water; IFP 44-44#, ISIP 1084#, FFP 36-40#, FSIP 1145#, IHP 2181#, FHP 2151#, BHT 114 Deg. F.

DST #2(Miss. Warsaw Dolomite) 4911' - 4948'(Corrected Depths to LOG) Test Times 15"-45"-60"-120" IFP Strong Blow Gas to Surface in 3 Min., Gauged 1995 MCFG/10 Min; FFP Gas throughout Gauged 1584 MCFG/10 Min. Decreased to 701 MCFG/60 Min, Gas burns fine, Caught 2 gas samples for analysis; REC: No Fluid at all; IFP 989 - 261#, ISIP 1026#, FFP 695 - 117#, FSIP 1200# and building, IHP 2431#, FHP 2450#, BHT 123 Deg. F.

Comments

7/11/24 MIRU Sterling Drilling Co. Rig #4 Spud at 9:50 PM; 7/12/24 TD. 530' CTCH for setting 8 5/8" Casing; 7/13/24 Drilling at 1102'; 7/14/24 Drilling at 2090'; 7/15/24 Drilling at 3230'; 7/16/24 Drilling at 4134'; 7/17/24 TD. 4361' - TOH with DST #1; 7/18/24 Drilling at 4662'; 7/19/24 TD. 4940' - CFS; 7/20/24 RTD. 5025' at 3:53 AM. - TOH for Logs(ELI Wireline) - D & A.

Set new 8 5/8"(23#) Surface Casing at 526' with 425 sacks of Cement(Hurricane Cementing Services). PD. at 11:00 AM. on 7/12/24. Cement Did Circulate.

Surveys:(NOTE: All surveys taken by the TELEDRIFT system): 0.75 Deg. at 530'(Surface Casing); 0.40 Deg. at 975'; 0.5 Deg. at 1485'; 0.9 Deg. 2026'; 0.4 Deg. at 2504'; 0.2 Deg. 2982'; 0.2 Deg. at 3237'; 0.4 Deg. at 3556'; 0.2 Deg. at 3938'; 0.4 Deg. at 4320'; 0.6 Deg. at 4607'; 0.4 Deg. at 4798'; 0.4 Deg. at 4893'; 0.3 Deg. at 4989'.

NOTE: No Pipe Strap was taken on the well. Windy conditions prevailed when DST #1 was performed. No strap was taken for DST #2 either.

After review of the ELI Wireline logs, DST data, and lack of commercial amounts of recoverable hydrocarbons, the operator elected to Plug and Abandon the #2-16 Clayton well at RTD. 5025'. Plugging completed at 10:45 PM. Based on analysis of DST #2, the operator concluded that the Mississippian zone tested is fractured with not enough areal extent for commercial production - Huge Decrease in Flowing Pressures and nontypical Shut in curves.

LOG TOPS: Stone Corral Anhydrite 1293(+1036), Chase 2568(-239), Stotler Lmst. 3486(-1157), Howard 3693(-1364), Heebner Shale 4150(-1821), Toronto 4167(-1838), Brown Lmst. 4301(-1972), Lansing 'A' 4310(-1981), Lansing 'B' 4336(-2007), Lansing 'C' 4367(-2038), Lansing/KC 'H' 4489(-2160), KC 'J' zone 4605(-2276), Stark Shale 4633(-2304), Swope 4641(-2312), Base Kansas City 4717(-2388), Marmaton 4730(-2401), Pawnee 4806(-2477), Cherokee Shale 4853(-2524), Base Cherokee Lmst. 4913(-2584), Mississippi Warsaw 4925(-2596).

NOTE: This log was shifted from 1' to 3' for correlation purposes with the ELI Wireline Logs.

NOTE: My Wellsite Software version cannot import the Version 3 LAS Gamma Ray curves, so no Gamma Ray could be imported on this Log.

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		STRINGER	
	Gyp		Ostra		Sltstrg
	Hvymin		Pelec		Ssstrg
	Kaol		Pellet		
	Marl		Pisolite		TEXTURE
	Minxl		Plant		
	Nodule		Strom		
	Phos				
	Pyr				
	Salt				
	Sandy				
	Silt				
	Sil				
	Sulphur				
	Tuff				

OTHER SYMBOLS

- POROSITY**
 [E] Earthy
 [F] Fenest
 [X] Fracture
 [I] Inter
 [M] Moldic
 [O] Organic
 [P] Pinpoint

- Vuggy
SORTING
 [W] Well
 [M] Moderate
 [P] Poor

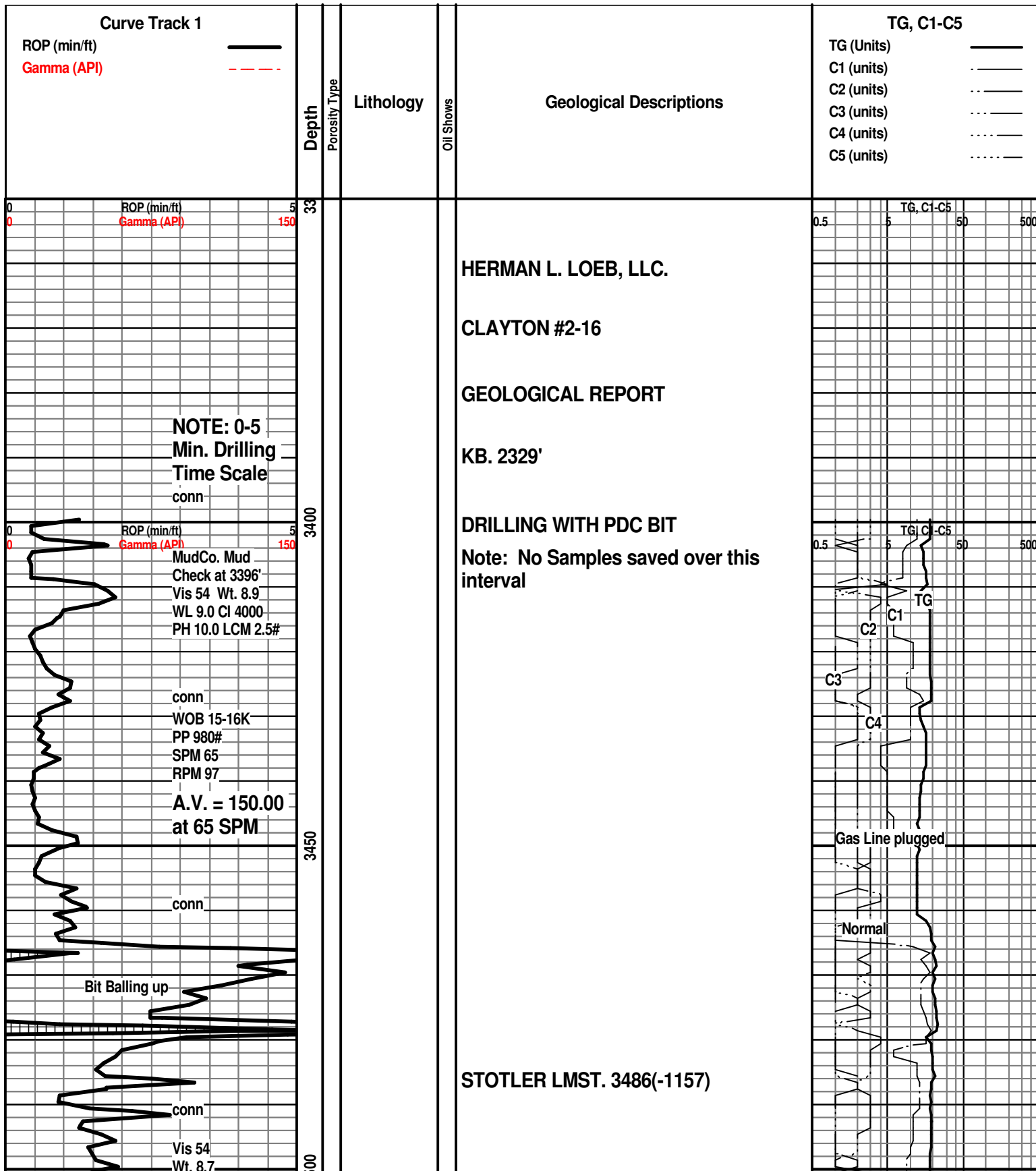
- ROUNDING**
 [R] Rounded
 [r] Subrnd
 [a] Subang
 [A] Angular

- Spotted
 [Q] Ques
 [D] Dead

- EVENT**
 [Rft] Rft
 [Sd] Sidewall

- INTERVAL**
 [Core] Core
 [Dst] Dst

- OIL SHOW**
 Even



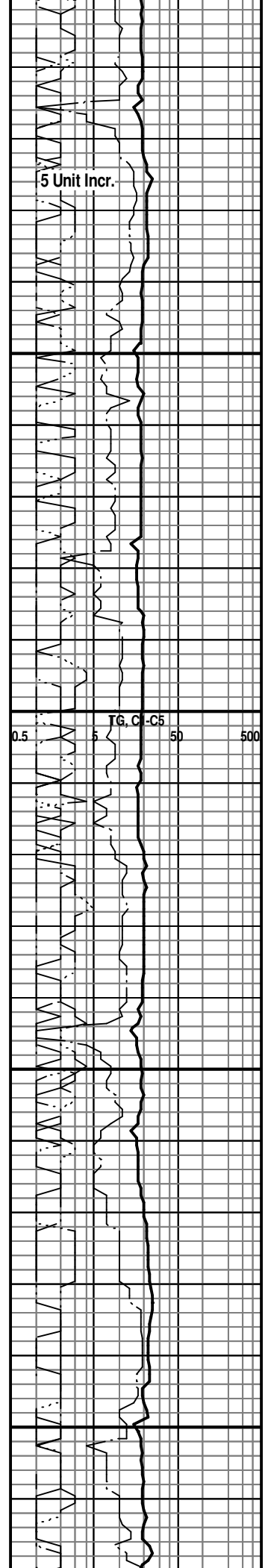
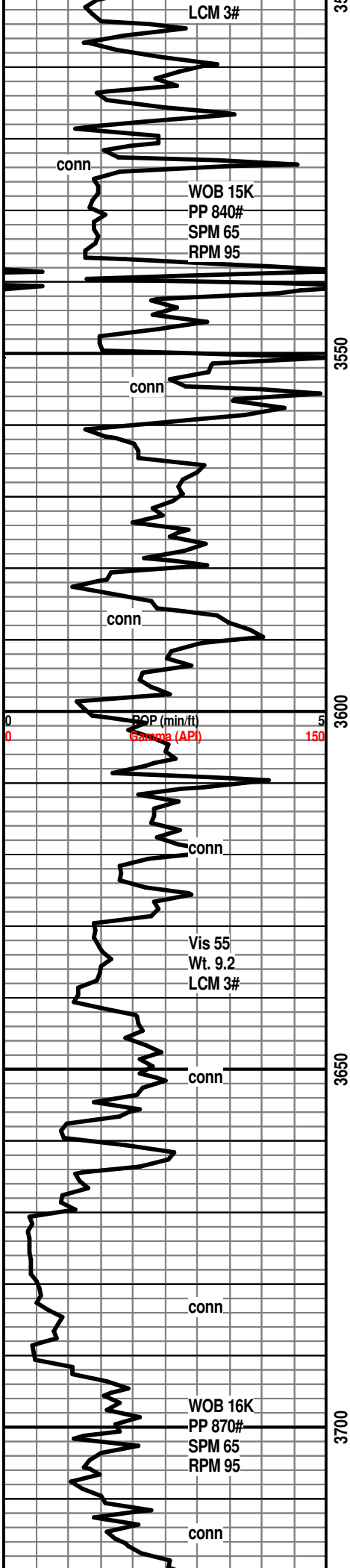
NOTE: 0-5
 Min. Drilling
 Time Scale
 conn

MudCo. Mud
 Check at 3396'
 Vis 54 Wt. 8.9
 WL 9.0 Cl 4000
 PH 10.0 LCM 2.5#

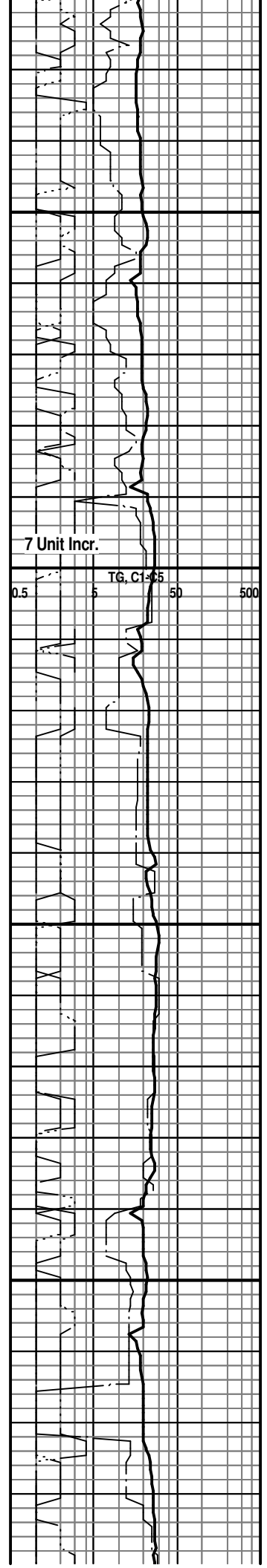
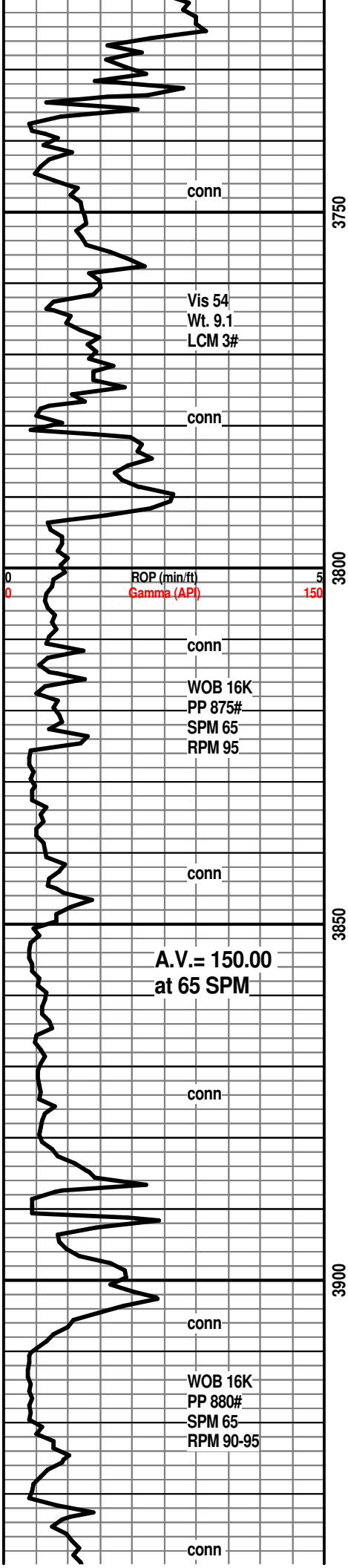
conn
 WOB 15-16K
 PP 980#
 SPM 65
 RPM 97
 A.V. = 150.00
 at 65 SPM

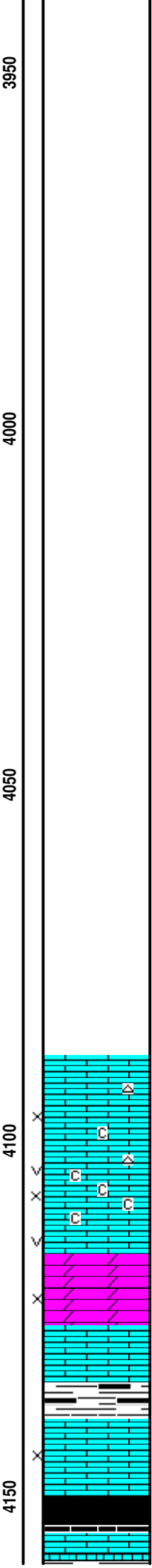
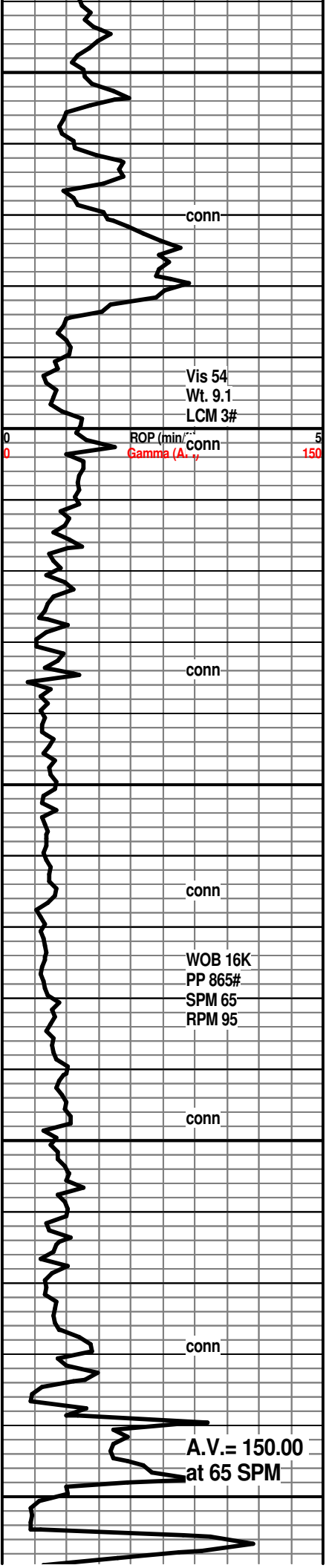
Bit Balling up

conn
 Vis 54
 Wt. 8.7



HOWARD 3693(-1364)





LM; tan to lt brn, f to med xln, fair interxln por, rare lt brn cht, dull min fluor, occ wh soft chalky mtx, ns.

Start 20' Wet and Dry Samples at 4100'

LM; tan to buff, off wh, f to med xln, scat fair interxln/vug por, v. chalky ip, lt yel min fluor, ns.

DOL; lt to med brn, sucrosic, poor to fair interxln por, some tite, dull yel min fluor, ns.

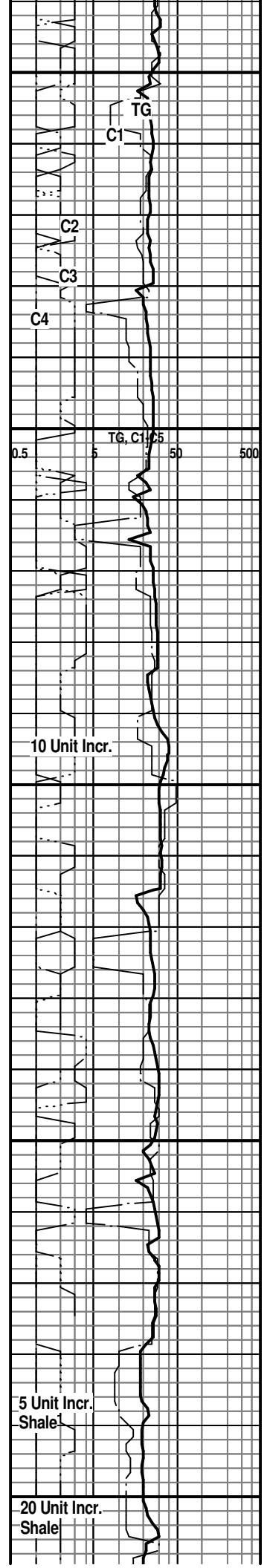
SH; med to dk gy, trc blk, platy

LM; lt brn to med gy, tan, some tite - micritic, w/med to cse xln lmst, no fluor, no stn or odor, ns.

HEEBNER SHALE 4150(-1821)

SH; blk, carb ip, trc gas

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



conn CFS. at 4161'

MudCo. Mud
Check at 4193'
Vis 53 Wt. 9.4
WL 10.0 CI 7000
PH 9.5 LCM 2#

conn

ROP (min/ft)
Gamma (API)

WOB 16K
PP 1070#
SPM 65
RPM 88-92

conn

Vis 55
Wt. 9.2+
LCM 3#

conn

A.V. = 150.00
at 65 SPM

conn

CFS. at 4325'

Vis 60 Wt. 9.3
LCM 3#

DST #1
Lans. 'B'
4343' - 4360'

CFS. at 4360'

Scale Change
ROP (min/ft)
Gamma (API)

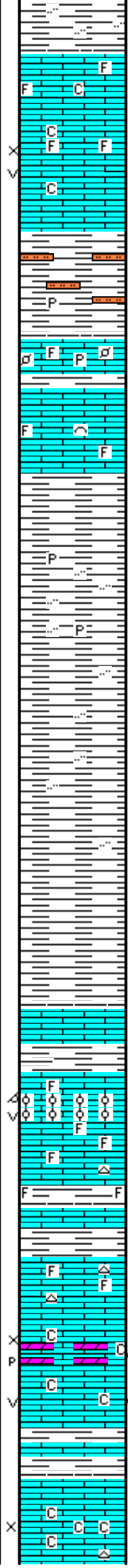
MudCo. Mud
Check at 4361'
Vis 77 Wt. 9.5
WL 10.8 CI 9000

4200

4250

4300

4350



SH; lt gy, grn, platy, soft, silty ip.

TORONTO 4167(-1838)

LM; off wh, wh, f to med xln, scat soft chalky mtx, foss ip, most well cem, ns.

LM; off wh, buff, much cse xln, foss - oolitic ip, gd interxln w/scat vug por, lt yel min fluor, no stn or odor, occ chalky mtx, ns.

DOUGLAS SHALE 4192(-1863)

SH; lt to med gy, silty w/interbdd sltst, platy, rare pyr

LM; med gy, gy brn, highly foss, occ pelletal, well cem, hd, scat pyr

LM; med to dk brn, dk gy, foss, well cem, no vis por, dull yel min fluor only, ns.

SH; lt to med gy, rarely gy grn, platy, occ silty, rare pyr

SH; lt to med gy, platy, smooth, occ silty

SH; lt to med gy, smooth, platy

BROWN LMST. 4301(-1972)

LM; med to dk brn, dense, blocky

LANSING 'A' 4310(-1981)

LM; off wh, tan - lt brn, foss to oolitic, poor to fair oomoldic por, rare vug por, no stn or odor, lt to med yel min fluor, no gas kick, barren

LM; med brn, foss ip, no vis por, trc gy cht

SH; med gy, gy grn, platy, foss ip, interbdd dense med gy brn lmst.

LANSING 'B' 4336(-2007)

LM; tan to off wh, wh, fxl to micritic, scat off wh to lt gy cht, rare well cem foss, tite

LM; tan to cream, f to med xln, fair interxln w/p-p and vug por, fair/good odor, much brite yel fluor, SSFO, spotted lt brn oil stn, trc gas bubbles, fair to gd cut, occ chalky mtx, some dolomitic lmst, gas kicks recycled

DST #1: Lansing 'B' Zn. 4343' - 4360'

NOTE: Button Bit in at 4361'

LANSING 'C' ZN. 4367(-2038)

LM; tan to off wh, fxl, poor vis interxln por, chalky mtx ip, rarely foss, no fluor, no vis stn, no odor, bcm dense w/nv to brn cht. no sample shows. CHECK LOGS

Recycle
Shale

0.5 5 50 500
TG, C1, C5

TG
C1
C2
C3

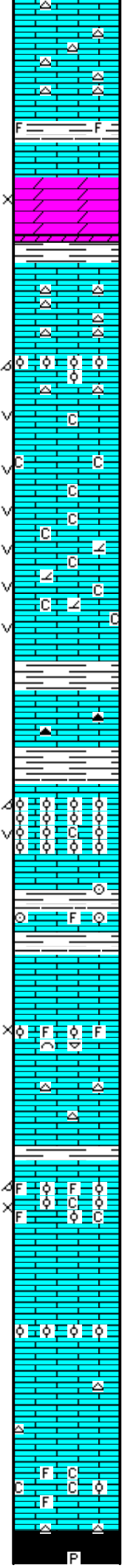
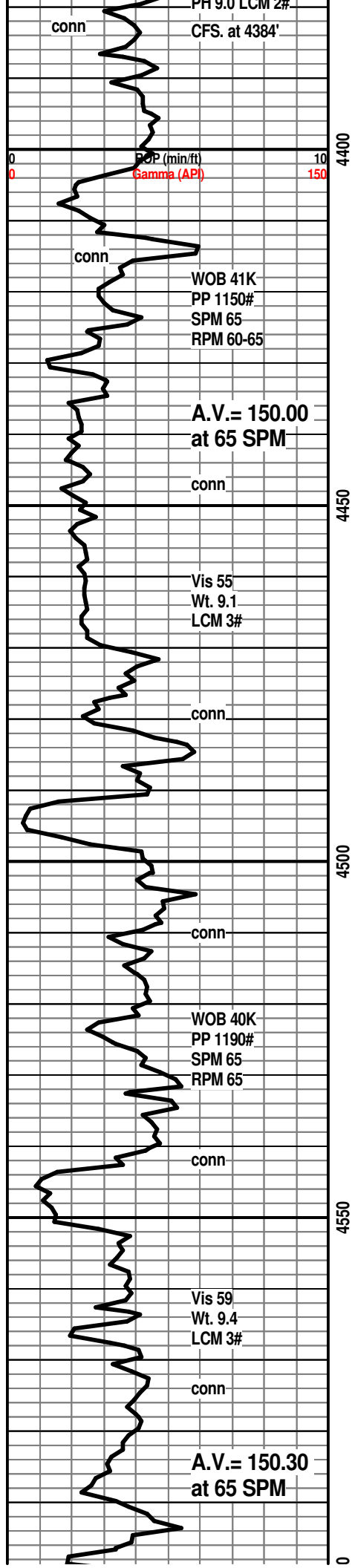
Gas Test at
Extractor

18 Unit Incr.
SHOW

15 Unit Incr.
SHOW

Mud Gassy after
DST #1

46 Unit Incr.
Poss. Recycle of
trin gas??



LM; tan to lt brn, most dense - micritic, abnt gy, brn to org cht, no vis por, ns.

SH; med gy, platy, foss ip.

LANSING 'E' ZN. 4399(-2070)

LM; dk brn, hd, blocky, tite

DOL; off wh, tan to buff, sucrosic, poor to fair interxln por, dull yel min fluor, no stn/odor, ns.

SH; med gy grn, sticky ip.

LM; wh, off wh, tan, fxln to micritic, scat gy to brn cht, most dense, no vis por, ns.

LM; off wh, tan - cream, foss - partly oolitic, fair moldic por, interbdd wh cht and cherty lmst, poor to no vis por, ns.

LM; off wh, tan - cream, med to cse xln w/abnt cse spar calc, scat vug por, interbdd chalk and chalky lmst, dull yel min fluor, ns.

LM; tan to off wh, buff, f to med xln, abnt vug por, interbdd dolomitic lmst w/sucrosic text, chalky mtx ip, dull yel min fluor, no stn or odor, ns.

LM; tan to lt brn, fxln, poor vis interxln por, scat dk gy cht, dull yel fluor, ns.

LANSING/K.C. 'H' 4489(-2160)

LM; lt brn, oolitic, gd oomoltic w/scat vug por, brittle ip, rare chalky mtx, dull yel min fluor only, no stn or odor, ns.

LM; tan to lt brn, foss ip, dense

LM; tan to cream, off wh, most micritic, no vis por, no fluor, ns.

LM; tan to off wh, highly foss, ooids and foss hash, loosely cem - fair intepart por, chalky mtx ip, no fluor, ns.

LM; med brn, blocky, tite, occ wh/gy cht

K.C. 'I' ZONE 4542(-2213)

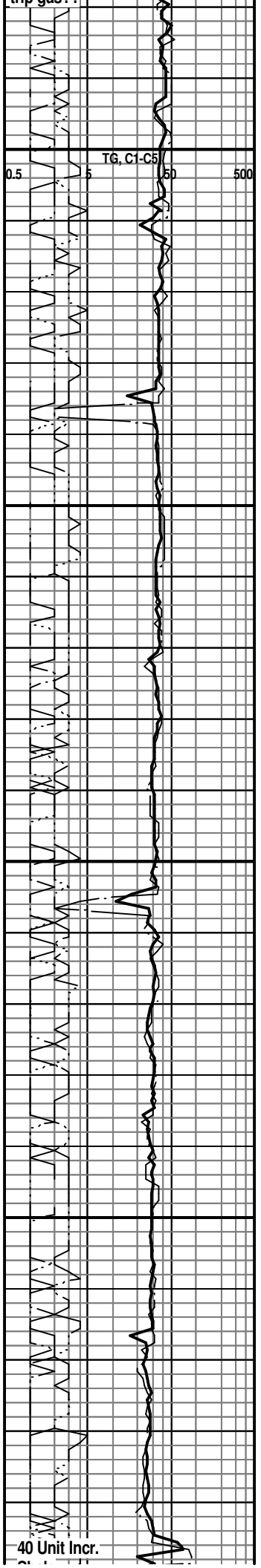
LM; off wh, buff, tan, oolitic - foss, fair oomoldic and interpart por, minor chalky mtx, brittle ip, no fluor, no stn or odor, ns.

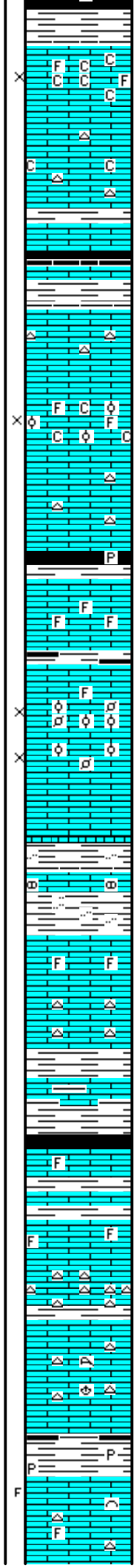
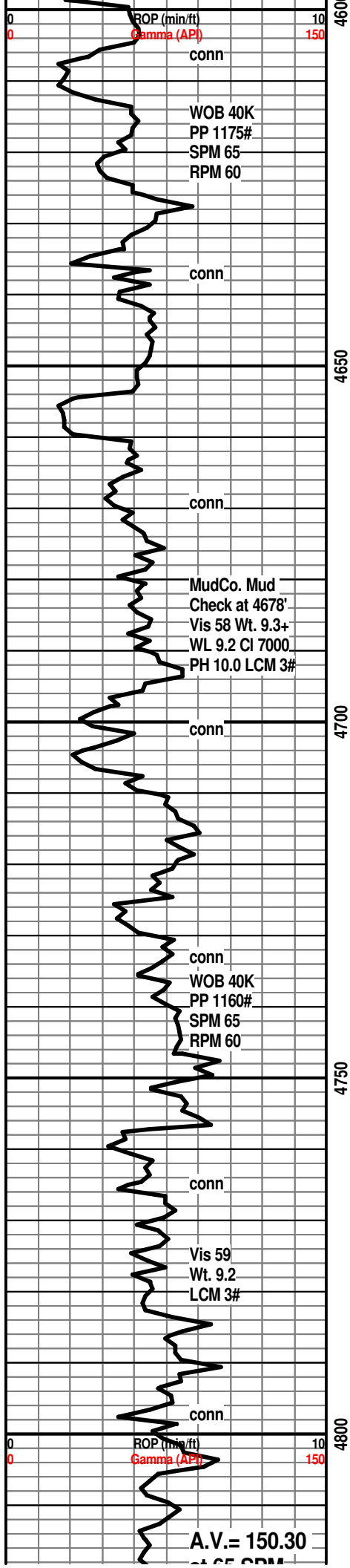
LM; tan to cream, off wh, most dense, scat foss mat, interbdd compact oolitic lmst, poor to no vis por, no fluor, ns.

LM; tan to cream, lt brn, most dense - micritic, blocky, rare gy cht, tite

LM; off wh, wh, foss ip, most chalky - soft ip, poor to no vis por, ns.

SH; blk. carb in. platv. rare ovr. trc das





K.C. 'J' ZONE 4605(-2276)

LM; off wh, wh, buff, fxln w/scat foss mat, soft, much chalk and chalky mtx, fair to gd interxln/interpart por, no fluor, no stn or odor, ns.

LM; tan to buff, fxln w/minor chalky mtx, most tite, interbdd lt gy cht

STARK SHALE 4633(-2304)

SH; blk, carb ip, platy

SWOPE 4641(-2312)

LM; tan to buff, fxln to micritic, scat off wh to lt gy cht, no vis por, ns.

LM; tan to off wh, foss, partly oolitic, fair interpart por w/occ vug por, minor chalky mtx, dull yel min fluor, no stn or odor, no gas kick

LM; tan to lt brn, dense - micritic, scat wh to lt gy cht, no fluor, ns.

SH; blk, platy, trc pyr

HERTHA 4680(-2351)

LM; off wh, buff, fxln w/some sucrosic text, scat foss hash, lt golden yel fluor, no vis por, no stn or odor, no gas kick

SH; dk gy - blk, fiss

LM; med to dk brn, dense

LM; lt to med brn, highly foss w/oolitic lmst, much foss hash, loosely cem w/fair interpart por, lt yel fluor, no stn or odor, no gas kick, ns.

LM; med to dk brn, micritic, pyr ip, interbdd dk brn/smoky cht, tite

BASE KANSAS CITY 4717(-2388)

SH; lt grn, gy grn, silty ip, rarely pyr, interbdd thin shaly nodular lmst

MARMATON 4730(-2401)

LM; tan to lt brn, fxln to micritic, blocky, med yel min fluor, no vis por, rarely foss, ns.

LM; tan to med brn, dense - micritic, scat lt gy to off wh cht, no vis por, ns.

SH; med gy, gritty text - silty ip.

SH; med gy grn, pyr. ip, platy/ interbdd gy brn argil lmst, some blk sh also

ALTAMONT 4770(-2441)

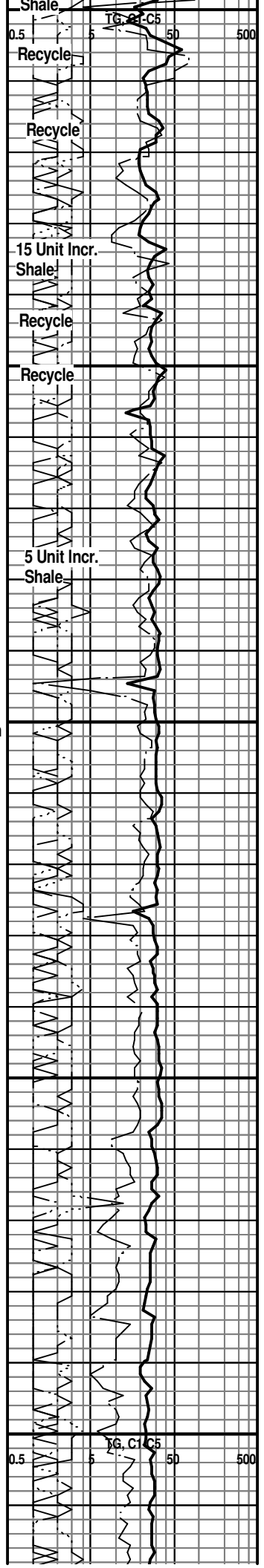
LM; tan to lt brn, v. cherty, hd, lt yel min fluor, no stn or odor, ns.

LM; med brn, hd, micritic, scat gy-brn cht, foss ip, no vis por, ns.

SH; dk gy - blk, platy, occ pyr

PAWNEE 4806(-2477)

LM; tan to lt brn, rare foss, most micritic, poss frags, med yel min fluor, no stn or odor, minor amt. of brn cht, ns.



at 65 SPM

conn

WOB 40K
PP 1135#
SPM 65
RPM 58

conn

Vis 60
Wt. 9.2
LCM 3#

conn

A.V.= 150.20
at 65 SPM

conn

DST #2
Miss. Dolo.
4911' - 4948'
Corrected
Depths

CFS. at 4938'

CFS. at 4948'

conn

MudCo. Mud
Check at 4950'
Vis 57 Wt. 9.3 WL
10.0 CI 6000
PH 10.0 LCM 3#

conn

Vis 65
Wt. 9.1
LCM 3#

ROP (min/ft)
Gamma (API)

Vis 61
Wt. 9.1+
LCM 3#

conn
CFS. at 5025'
RTD.

MudCo. Mud
Check at 5025'

4850

4900

4950

5000



LM; off wh, buff, fxln to micritic, scat gy cht, no vis por, no fluor, ns.

LABETTE SHALE 4833(-2504)

SH; blk, carb ip, trc gas, pyr ip.

LM; tan to lt brn, foss, blocky, most well cem, no vis por, scat wh cht, no stn or odor, ns.

CHEROKEE SHALE 4853(-2524)

SH; blk, carb, platy, occ pyr, soft to blocky

LM; lt to med brn, gy brn, rare foss mat, thinly bdd w/interbdd shale, no vis por, no fluor, ns.

SH; blk, fiss/platy

LM; med to dk brn, hd, well cem foss mat, dull yel min fluor, poss fracs w/possible faint gas odor, no vis stn

SH; med to dk gy, blk, fiss

LM; med to dk brn, fxln, spotted dk brn oil stn in p-p and small vug por, dull to lt yel fluor, faint odor, instant cut, some dead oil

SH; dk gy, blk, platy

LM; lt to med brn, foss ip, most well cem, occ blk tar/dead oil, no live shows, no fluor

BASE CHEROKEE LMST. 4913(-2584)

SH; varic: grn, dk gy - blk, yel, soft, occ pyr, interbdd yel weathered lmst

MISSISSIPPI 4925(-2596)

LM; wh, cse xln, glau, partly dolomitic

DOL; tan, off wh, med rhombic/sucrosic, some lmy, fair to gd vug por, gas bubbles, SFO, gd odor, golden yel fluor, some well dev. vug por, no visible fracs

LM; off wh, cse xln, rare glau, dolomitic, interbdd sucrosic dolo w/vug por and SFO, most dense, lt yel fluor, faint odor, no vis fracs

DST #2: Miss. Dolo. 4911' - 4948'

LM; lt gy, lt brn, gy brn, dolomitic, interbdd hd dolo and dolo lmst, glau ip, most dense, rare gy cht, dull yel fluor, no vis stn or odor, ns.

DOL; lt brn, lt gy brn, cherty ip, some free opaque qtz xtals, most tite, interbdd lmy glau dolo, dull yel fluor, ns.

DOL; lt to med gy, sucrosic, occ glau, fair interxln por, cherty, no fluor, no stn or odor, ns.

CHT; lt gy, wh, fresh - sharp, poss fracs, no fluor, no stn or odor, ns, interbdd dolomitic cht w/rare vug por, scat opaque free qtz xtals

LM; tan to lt brn, partly dolomitic w/sucrosic text, most dense, no fluor, no stn or odor, ns.

RTD. 5025' at 3:53 AM. 7/20/2024

25 Unit Incr. Shale

Recycle

C2 C1 TG
C3 C4

50 Unit Incr. Shale

Recycle

17 Unit Incr. Shale

24 Unit Incr.

25 Unit Incr. Poss Show

28 Unit Incr.

40 Unit Incr.

48 Unit Incr. SHOW

12 Unit Incr.

Mud is gas cut after DST #2

0.5

TG, C1-C5

500

RTD.
Vis 57 Wt. 9.3
WL 10.8 CI 5000
PH 10.0 LCM 3#

5050

00

LTD. 5025'

ELI Wireline DIL, NEU/DEN with PE,
Microlog

**NOTE: This Log was shifted upward by
1' to 2' for correlation purposes with the
ELI Logs.**

**NOTE: Cannot Import Version 3 LAS
Gamma Ray data on this Log.**



DRILL STEM TEST REPORT

Prepared For: **Herman L. Loeb, LLC**

P.O. Box 838
Lawrenceville, IL 62439

ATTN: Jon Christensen

Clayton #2-16

16-28s-20w Kiowa,KS

Start Date: 2024.07.17 @ 00:25:00

End Date: 2024.07.17 @ 07:37:02

Job Ticket #: 71433 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2024.07.22 @ 15:39:07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Herman L. Loeb, LLC
P.O. Box 838
Lawrenceville, IL 62439
ATTN: Jon Christensen

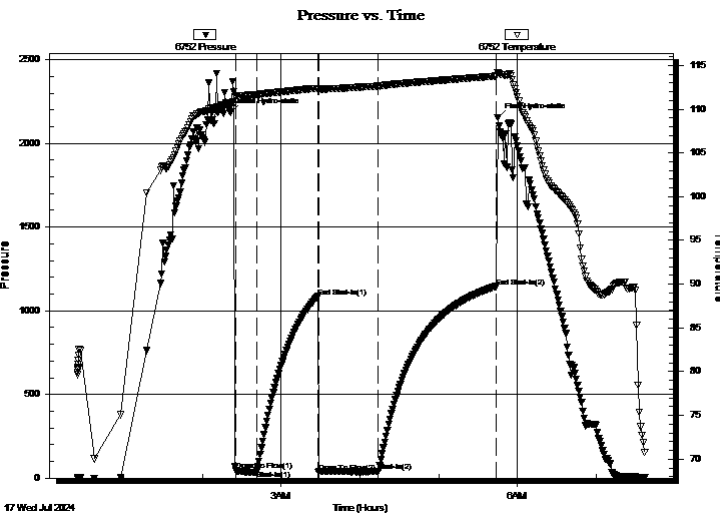
16-28s-20w Kiowa, KS
Clayton #2-16
Job Ticket: 71433 **DST#: 1**
Test Start: 2024.07.17 @ 00:25:00

GENERAL INFORMATION:

Formation: **Lansing B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:25:32
Time Test Ended: 07:37:02
Interval: **4344.00 ft (KB) To 4361.00 ft (KB) (TVD)**
Total Depth: 4361.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69
Reference Elevations: 2329.00 ft (KB)
2318.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6752 Inside
Press@RunDepth: 39.95 psig @ 4346.00 ft (KB) Capacity: psig
Start Date: 2024.07.17 End Date: 2024.07.17 Last Calib.: 1899.12.30
Start Time: 00:25:01 End Time: 07:37:02 Time On Btm: 2024.07.17 @ 02:21:32
Time Off Btm: 2024.07.17 @ 05:45:02

TEST COMMENT: IF: 15 min., BOB 2 min., strong building blow , 60 inches
IS: 45 min., no blow back
FF: 45 min., BOB ASAO, strong building blow , 115 inches
FS: 90 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2181.47	110.65	Initial Hydro-static
4	44.53	111.37	Open To Flow (1)
20	44.08	111.66	Shut-In(1)
67	1083.95	112.37	End Shut-In(1)
67	36.00	112.23	Open To Flow (2)
113	39.95	112.63	Shut-In(2)
202	1144.80	113.79	End Shut-In(2)
204	2151.16	114.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	gassy mud 5%G,95%M	0.05
0.00	250' GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Herman L. Loeb, LLC

16-28s-20w Kiowa,KS

P.O. Box 838
Lawrenceville, IL 62439

Clayton #2-16

Job Ticket: 71433

DST#: 1

ATTN: Jon Christensen

Test Start: 2024.07.17 @ 00:25:00

Tool Information

Drill Pipe:	Length: 4108.00 ft	Diameter: 3.80 inches	Volume: 57.62 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 58.65 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4344.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	17.00 ft				
Tool Length:	47.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4319.00	
Hydraulic tool	5.00			4324.00	
Isolator Sub	3.00			4327.00	
Jars	5.00			4332.00	
Safety Joint	3.00			4335.00	
Packer	5.00			4340.00	30.00 Bottom Of Top Packer
Packer	4.00			4344.00	
Stubb	1.00			4345.00	
Perforations	1.00			4346.00	
Recorder	0.00	6752	Inside	4346.00	
Recorder	0.00	6751	Outside	4346.00	
Pickup sub perf	5.00			4351.00	
Perforations	7.00			4358.00	
Bullnose	3.00			4361.00	17.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L. Loeb, LLC

16-28s-20w Kiowa,KS

P.O. Box 838
Lawrenceville, IL 62439

Clayton #2-16

Job Ticket: 71433

DST#: 1

ATTN: Jon Christensen

Test Start: 2024.07.17 @ 00:25:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	gassy mud 5%G,95%M	0.049
0.00	250' GIP	0.000

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

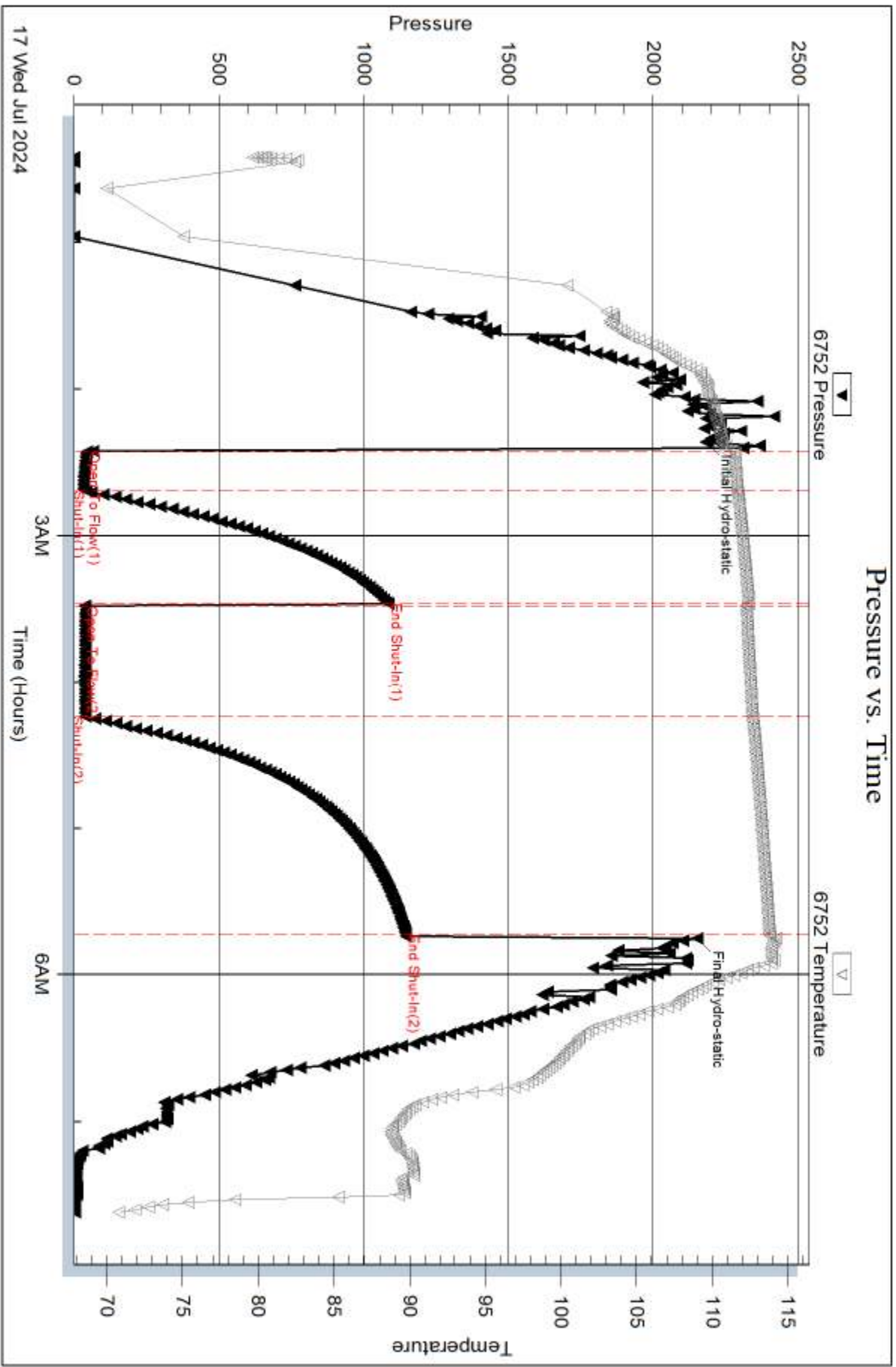
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

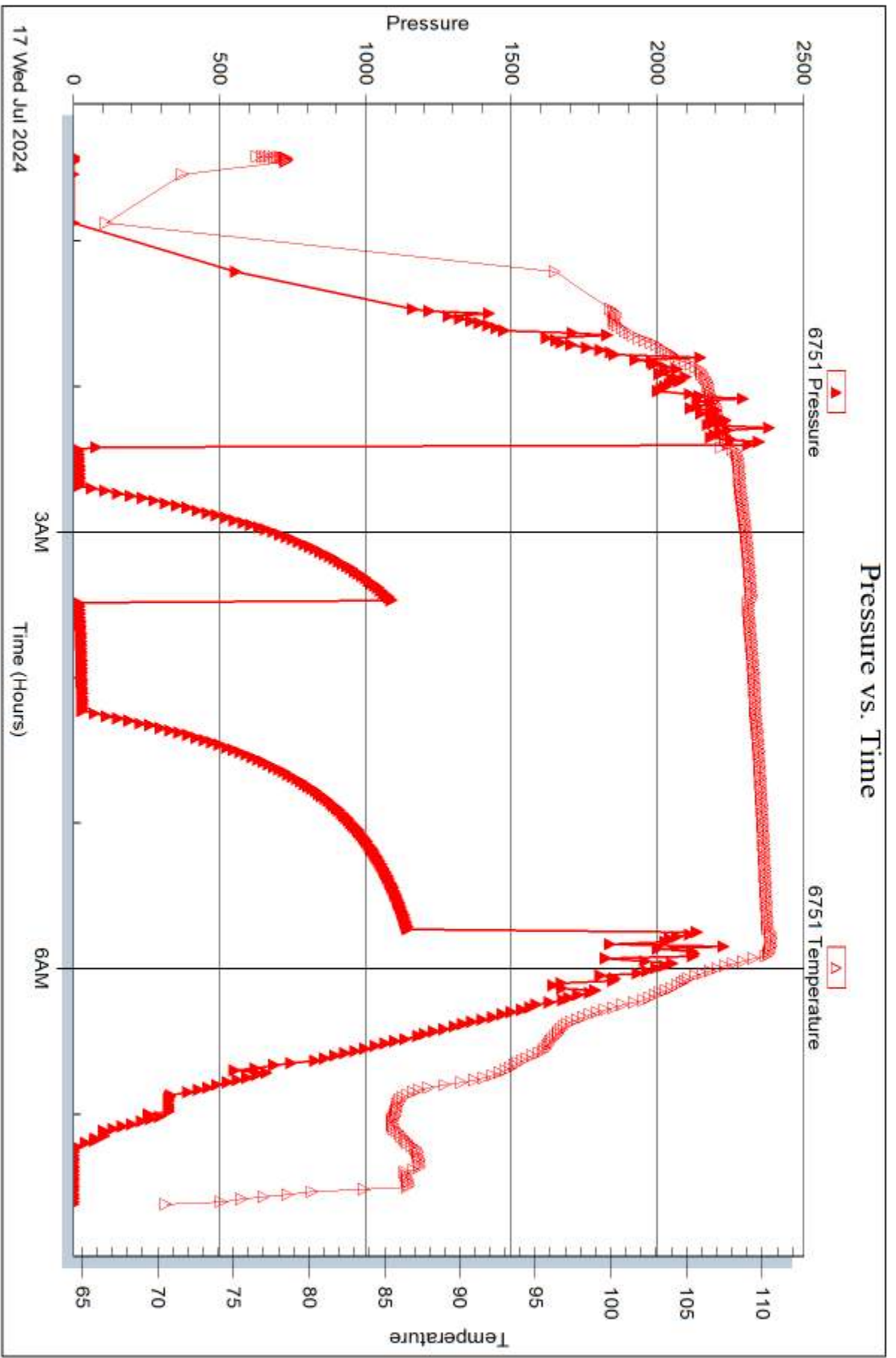


Serial #: 6751

Outside Herman L. Loeb, LLC

Clayton #2-16

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 71433

Printed: 2024.07.22 @ 15:39:08



DRILL STEM TEST REPORT

Prepared For: **Herman L. Loeb, LLC**

P.O. Box 838
Lawrenceville, IL 62439

ATTN: Jon Christensen

Clayton #2-16

16-28s-20w Kiowa,KS

Start Date: 2024.07.19 @ 12:50:00

End Date: 2024.07.19 @ 20:34:02

Job Ticket #: 71434 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2024.07.22 @ 15:32:01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Herman L. Loeb, LLC
P.O. Box 838
Lawrenceville, IL 62439
ATTN: Jon Christensen

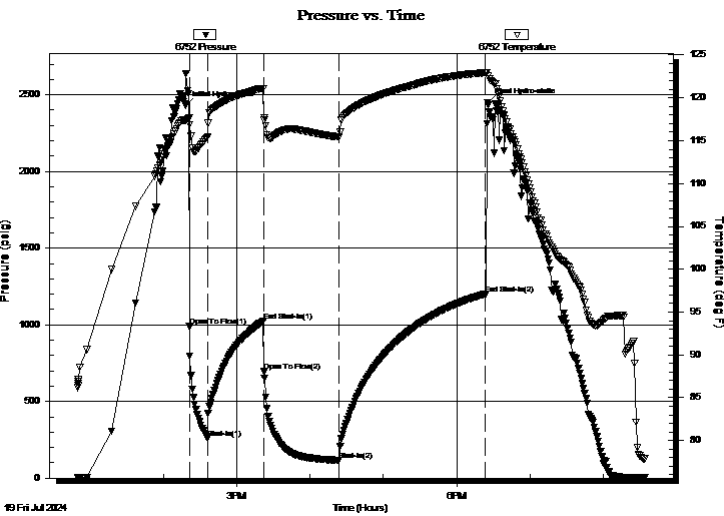
16-28s-20w Kiowa, KS
Clayton #2-16
Job Ticket: 71434 **DST#: 2**
Test Start: 2024.07.19 @ 12:50:00

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:21:17
Time Test Ended: 20:34:02
Interval: **4913.00 ft (KB) To 4950.00 ft (KB) (TVD)**
Total Depth: 4950.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69
Reference Elevations: 2329.00 ft (KB)
2318.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6752 Inside
Press@RunDepth: 116.56 psig @ 4915.00 ft (KB) Capacity: psig
Start Date: 2024.07.19 End Date: 2024.07.19 Last Calib.: 1899.12.30
Start Time: 12:50:01 End Time: 20:34:02 Time On Btm: 2024.07.19 @ 14:18:17
Time Off Btm: 2024.07.19 @ 18:25:32

TEST COMMENT: IF: 15 min., BOB ASAO, GTS 3 min., strong building blow
IS: 45 min., no blow back
FF: 60 min., BOB GTS ASAO, strong building blow
FS: 120 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2430.53	117.38	Initial Hydro-static
3	989.51	117.68	Open To Flow (1)
18	260.69	115.44	Shut-In(1)
64	1025.98	121.11	End Shut-In(1)
65	695.15	117.40	Open To Flow (2)
126	116.56	115.43	Shut-In(2)
245	1200.04	122.92	End Shut-In(2)
248	2450.13	122.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	100% G	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	55.00	1995.17
Last Gas Rate	1.00	11.00	730.22
Max. Gas Rate	1.00	55.00	1995.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Herman L. Loeb, LLC

16-28s-20w Kiowa,KS

P.O. Box 838
Lawrenceville, IL 62439

Clayton #2-16

Job Ticket: 71434

DST#: 2

ATTN: Jon Christensen

Test Start: 2024.07.19 @ 12:50:00

Tool Information

Drill Pipe:	Length: 4683.00 ft	Diameter: 3.80 inches	Volume: 65.69 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 66.72 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	73000.00 lb
Depth to Top Packer:	4913.00 ft			Final	73000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	37.00 ft				
Tool Length:	67.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4888.00	
Hydraulic tool	5.00			4893.00	
Isolator Sub	3.00			4896.00	
Jars	5.00			4901.00	
Safety Joint	3.00			4904.00	
Packer	5.00			4909.00	30.00 Bottom Of Top Packer
Packer	4.00			4913.00	
Stubb	1.00			4914.00	
Perforations	1.00			4915.00	
Recorder	0.00	6752	Inside	4915.00	
Recorder	0.00	6751	Outside	4915.00	
Pickup sub perf	5.00			4920.00	
Perforations	27.00			4947.00	
Bullnose	3.00			4950.00	37.00 Bottom Packers & Anchor

Total Tool Length: 67.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L. Loeb, LLC

16-28s-20w Kiowa,KS

P.O. Box 838
Lawrenceville, IL 62439

Clayton #2-16

Job Ticket: 71434

DST#: 2

ATTN: Jon Christensen

Test Start: 2024.07.19 @ 12:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	100% G	0.000

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Herman L. Loeb, LLC

16-28s-20w Kiowa,KS

P.O. Box 838
Lawrenceville, IL 62439

Clayton #2-16

Job Ticket: 71434

DST#: 2

ATTN: Jon Christensen

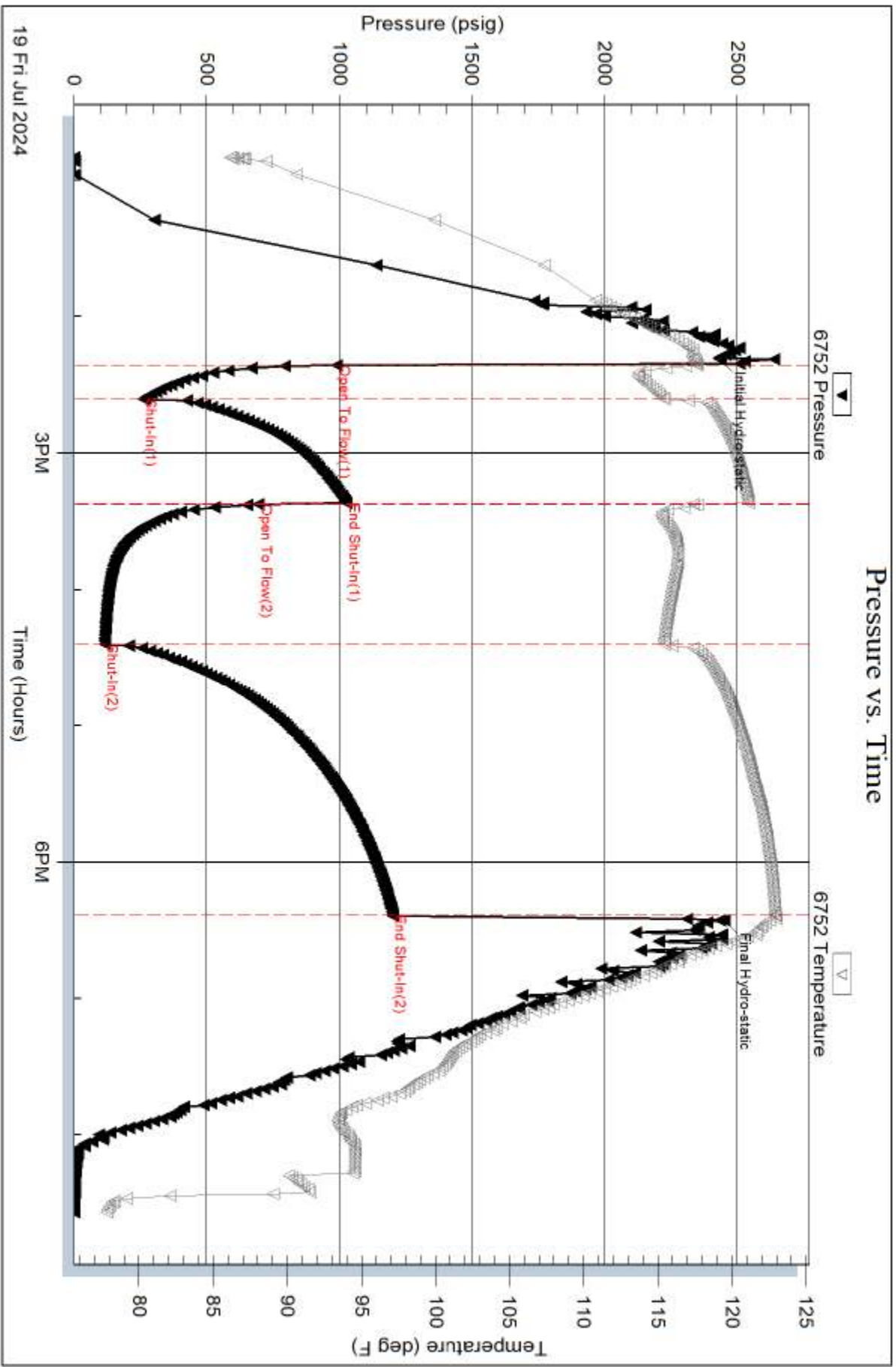
Test Start: 2024.07.19 @ 12:50:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	1.00	55.00	1995.17
2	10	1.00	40.00	1563.93
2	20	1.00	25.00	1132.70
2	30	1.00	14.00	816.47
2	40	1.00	12.00	758.97
2	50	1.00	11.00	730.22

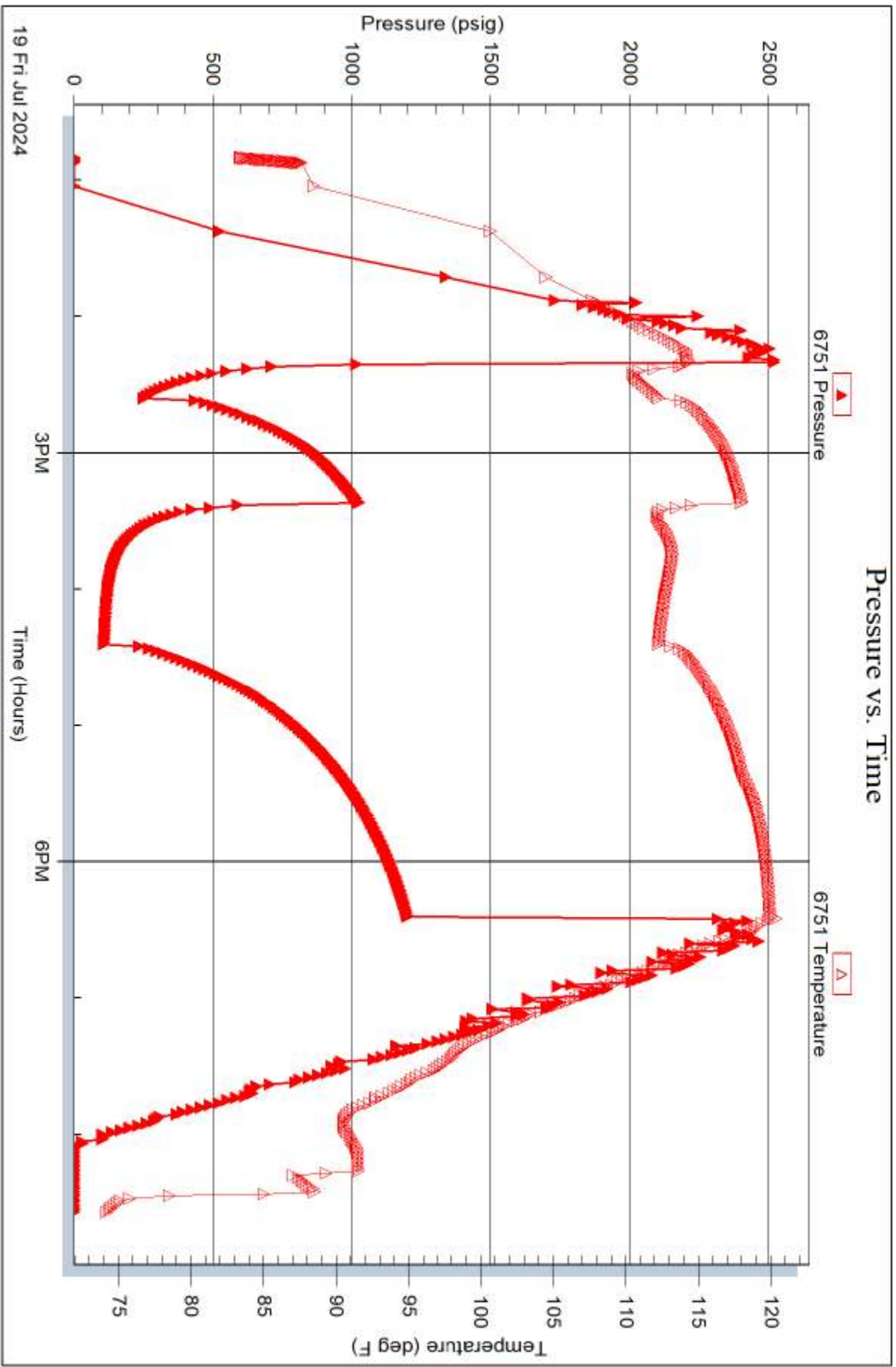


Serial #: 6751

Outside Herman L. Loeb, LLC

Clayton #2-16

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **71433**

Well Name & No. Clayton #216 Test No. 1 Date 07-16-24
 Company Herman L. Loeb, LLC Elevation 2329 KB 2318 GL
 Address P.O. Box 838 Lawrenceville TN 62439
 Co. Rep / Geo Jon Christensen Rig Steeley #4
 Location: Sec. 16 Twp 28 Rge. 20 Co. Kiowa State KS

Interval Tested 4344-4361 Zone Tested Lansing B
 Anchor Length 17' Drill Pipe Run 4108 Mud Wt. 9.4
 Top Packer Depth 4339 Drill Collars Run 210 Vis 53
 Bottom Packer Depth 4339 Wt. Pipe Run N.A. WL 10.0
 Total Depth 4361 Chlorides 7000 ppm System LCM 2A

Blow Description IF: 15 min., BOB 2 min., strong building blow, 60 inches
IS: 45 min., no blow back
FP: 45 min., BOB 45 min., strong building blow, 115 inches
EST: 90 min., no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>gassy and</u>	<u>5</u>			<u>95</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>250' GJP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 114 Gravity _____ API RW _____ @ _____ *F Chlorides _____ ppm
 Initial Hydrostatic 2181 Test conv. 1950 Ruined Shale Packer _____
 Initial Flow 44 to 44 Jars _____ Ruined Packer _____
 Initial Shut-In 1084 Circ Sub _____ Hotel _____
 Final Flow 36 to 40 Hourly Standby _____ EM Tool Successful no good
 Final Shut-In 1145 Mileage 90 157.50 Accessibility _____
 Final Hydrostatic 2151 Sampler _____ Gas Sample _____
 T- On Location 2300 Straddle _____ Oversized Hole _____
 Initial Flow 15 T-Started 0030 Shale Packer _____ Sub Total -350
 Initial Shut-In 45 T-Open 0230 Extra Packer _____ Total 1757.50
 Final Flow 45 T-Pulled 0545 Extra Recorder _____ Tool Loaded _____ @ _____
 Final Shut-In 90 T-Out 0730 Day Standby _____ MP/DST Disc't _____
 Comments ~~125-1145~~ 0025

785-656-3947

Approved By _____ Our Representative Chris Hays

TriLOBITE TESTING INC. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **71434**

Well Name & No. Clayton 2-16 Test No. 2 Date 7-19-24
 Company Herman L Loeb, LLC Elevation 2329 KB 2318 GL
 Address P.O. Box 838 Lawrenceville, IL 62439
 Co. Rep / Geo John Christensen Rig Sterling 24
 Location: Sec. 16 Twp 28 Rge. 20 Co. Kiowa State KS

Interval Tested 4913-4950 Zone Tested M.S.S.
 Anchor Length 37' Drill Pipe Run 4683 Mud Wt. 9.3
 Top Packer Depth 4908 Drill Collars Run 210 Vis 57
 Bottom Packer Depth 4913 Wt. Pipe Run N.A. WL 10.0
 Total Depth 4950 Chlorides 6000 ppm System LCM 3#

Blow Description IP: 15 min, BOB 1500, CTS 3 min, Strong building blow
ISR: 45 min, no blow back
FF: 60 min, BOB 675 1500, Strong building blow
FSD: 120 min, no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>Ø</u>	<u>100%</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total Ø BHT 123 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 Initial Hydrostatic 2431 Test conv. 1950 Ruined Shale Packer _____
 Initial Flow 989 to 261 Jars _____ Ruined Packer _____
 Initial Shut-In 1026 Circ Sub _____ Hotel _____
 Final Flow 695 to 117 Hourly Standby _____ EM Tool Successful good
 Final Shut-In 1200 Mileage 890 157.50 + 157.50 Accessibility _____
 Final Hydrostatic 2450 Sampler _____ Gas Sample X 2 160
 T-On Location 1200 Straddle _____ Oversized Hole _____
 Initial Flow 15 T-Started 1300 Shale Packer _____ Sub Total 160
 Initial Shut-In 45 T-Open 1430 Extra Packer _____ Total 2425
 Final Flow 60 T-Pulled 1830 Extra Recorder _____ Tool Loaded 2100 @ 7-19-24
 Final Shut-In 120 T-Out 2100 Day Standby _____ MP/DST Disc't _____
 Comments 1250

Approved By _____ Our Representative Chris Heggen

Trilobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



CEMENT TREATMENT REPORT

Customer:	HERMAN LOEB	Well:	CLAYTON 2-16	Ticket:	WP5576
City, State:	MULLINVILLE KS	County:	KIOWA KS	Date:	7/20/2024
Field Rep:		S-T-R:	16-28S-20W	Service:	PTA

Downhole Information	
Hole Size:	in
Hole Depth:	7 7/8 ft
Casing Size:	in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	bbls

Calculated Slurry - Lead	
Blend:	H-PLUG A
Weight:	13.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.43 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	43.3 bbls
Total Sacks:	170 sx

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

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
6:10 PM			-	-	ON LOCATION
				-	1ST PLUG AT 1320'
7:33 PM	5.0	210.0	10.0	10.0	PUMP 10 BBL WATER
7:35 PM	5.2	230.0	12.7	22.7	MIX 50 SKS H-PLUG
7:39 PM	5.0	150.0	5.0	27.7	PUMP 5 BBL WATER
7:41 PM	5.0	150.0	7.8	35.5	PUMP
				35.5	2ND PLUG AT 560'
8:12 PM	6.0	270.0	10.0	45.5	PUMP 10 BBL WATER
8:13 PM	6.0	280.0	12.7	58.2	MIX 50 SKS H-PLUG
8:15 PM	6.0	200.0	2.0	60.2	START DISPLACEMENT
				60.2	3RD PLUG AT 60'
8:50 PM	2.0	25.0	5.0	65.2	MIX 20 SKS H-PLUG
				65.2	CEMENT TO SURFACE
9:01 PM	2.0	25.0	7.0	72.2	MIX 30 SKS H-PLUG FOR RAT HOLE
9:08 PM	2.0	25.0	5.0	77.2	MIX 20 SKS H-PLUG FOR MOUSE HOLE
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	JOB COMPLETE, THANK YOU!
				-	MIKE MATTAL
				-	AUSTIN & KENNY
				-	

CREW		UNIT	SUMMARY		
Cementer:	MATTAL	955	Average Rate	Average Pressure	Total Fluid
Pump Operator:	CLIFTON	538/521	4.4 bpm	157 psi	77 bbls
Bulk #1:	JULIAN	179:256			
Bulk #2:					

HERMAN LOEB
CLAYTON

