KOLAR Document ID: 1598835

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 # 30742
Name: Palomino Petroleum, Inc.
Address 1: 4924 SE 84TH ST
Address 2:
City: NEWTON State: KS Zip: 67114 + 8827
Contact Person: Nick Gerstner
Phone: (316) 799-1000
CONTRACTOR: License # 34484
Name: Fossil Drilling, Inc.
Wellsite Geologist: Andrew Stenzel
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 #:

7/26/2021	8/5/2021	8/5/2021
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-057-21053-00-00
Spot Description:
SE - SE - SE - SE Sec. 29 Twp. 28 S. R. 21 ☐ East ☑ West
157 Feet from ☐ North / ☑ South Line of Section
264 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ford
Lease Name: VICE Well #: 1
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 2403 Kelly Bushing: 2416
Total Vertical Depth: 5688 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 570 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: 10000 ppm Fluid volume: 3420 bbls
Dewatering method used: Evaporated
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: 11/12/2021
☐ **Confidential Release Date:** 11/12/2023
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Deanna Garrison **Date:** 11/15/2021

Operator Name: Palomino Petroleum, Inc. Lease Name: VICE Well #: 1

Sec. 29 Twp. 28 S. R. 21 ☐ East ☑ West County: Ford

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 *(Attach Additional Sheets)*	☑ Yes	☐ No	
Samples Sent to Geological Survey	☑ Yes	☐ No	
Cores Taken	☐ Yes	☑ No	
Electric Log Run	☑ Yes	☐ No	
Geologist Report / Mud Logs	☑ Yes	☐ No	

List All E. Logs Run:

Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	570	H-325	375	2% gel 3% cc

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	VICE 1
Doc ID	1598835

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	570	H-325	375	2% gel 3% cc

Andrew Stenzel
Geologist
Ness City, Kansas
Home
(785) 798-3400
Cell
(785) 798-5977

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

Well Name:	**Vice #1**		
API:	**15-057-21053-00-00**		
Location:	**SE-SE-SE-SE Sec. 29-28S-21W (Ford County)**		
License Number:	**30742**	**Region:**	**KANSAS**
Spud Date:	**7/26/21**	**Drilling Completed:**	**8/5/21**
Surface Coordinates:	**157' FSL & 264' FEL**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**2403**	**K.B. Elevation (ft):**	**2416**
Logged Interval (ft):	**4100 To: TD**	**Total Depth (ft):**	**5690**
Formation:	**VIOLA**		
Type of Drilling Fluid:	**Mud-Co Chemical**		

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

OPERATOR

Company: Palomino Petroleum, Inc.
Address: 4924 SE 84th St.
Newton, KS 67114

GEOLOGIST

Name: Andrew Stenzel
Company: Petroleum Geologist
Address: 501 S. Franklin
Ness City, KS 67560

Drilling Report

DAILY DRILLING REPORT:

7/26/21	MIRU, ran surface casing
7/27/21	Waiting on cement
7/28/21	Drilling @ 1880'
7/29/21	Drilling @ 3107'
7/30/21	Drilling @ 4229'
7/31/21	Drilling @ 4919'
8/1/21	DST #1
8/2/21	DST #2
8/3/21	DST #3, Drilling @ 5190'
8/4/21	Drilling @ 5668'
8/5/21	Plugged & Abandoned

Services

RIG: Fossil Drilling, Inc., Rig #3

MUD: MUDCO
LOGS: Gemini Wireline; CNDL, PE, ML, DIL, SL

Casing Record

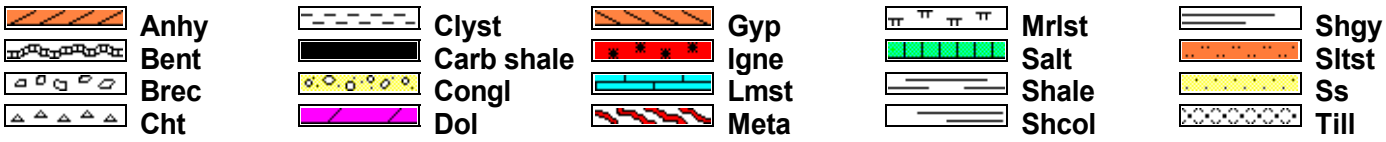
SURFACE Casing: Ran 14 jts new 8 5/8", 23# surface casing set @ 570'.

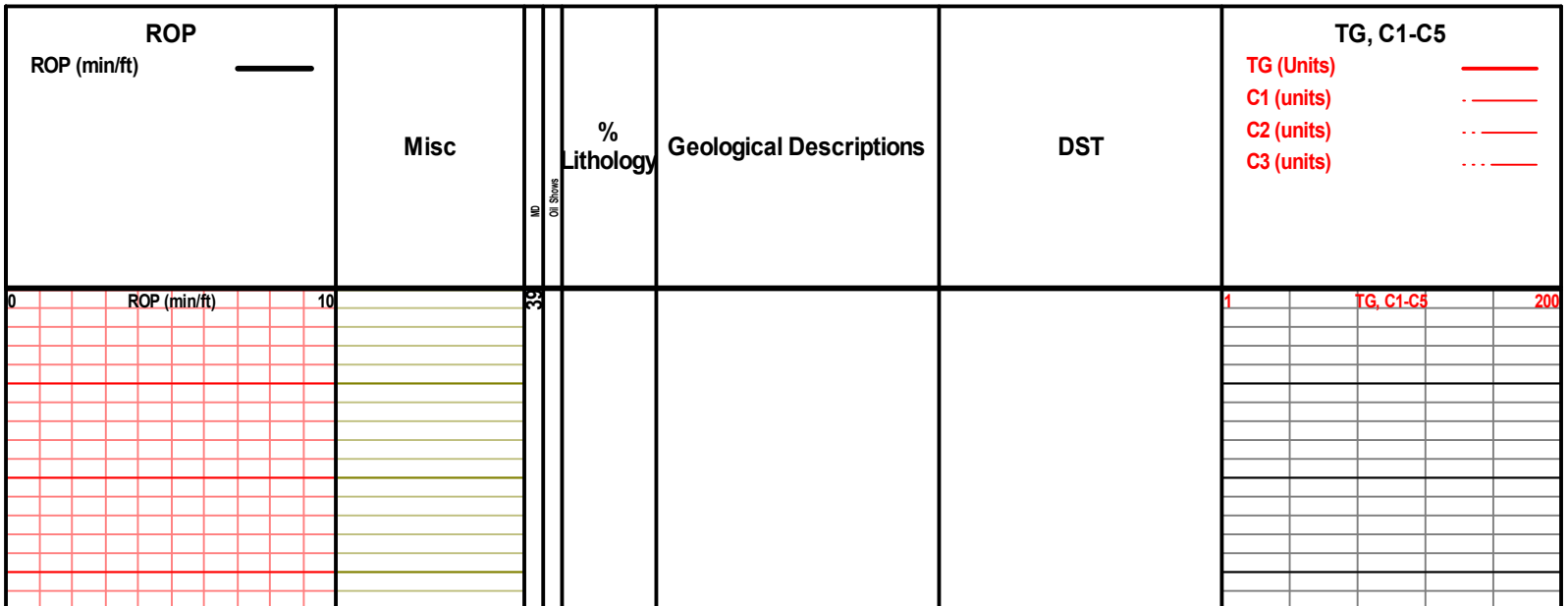
PRODUCTION Casing: None

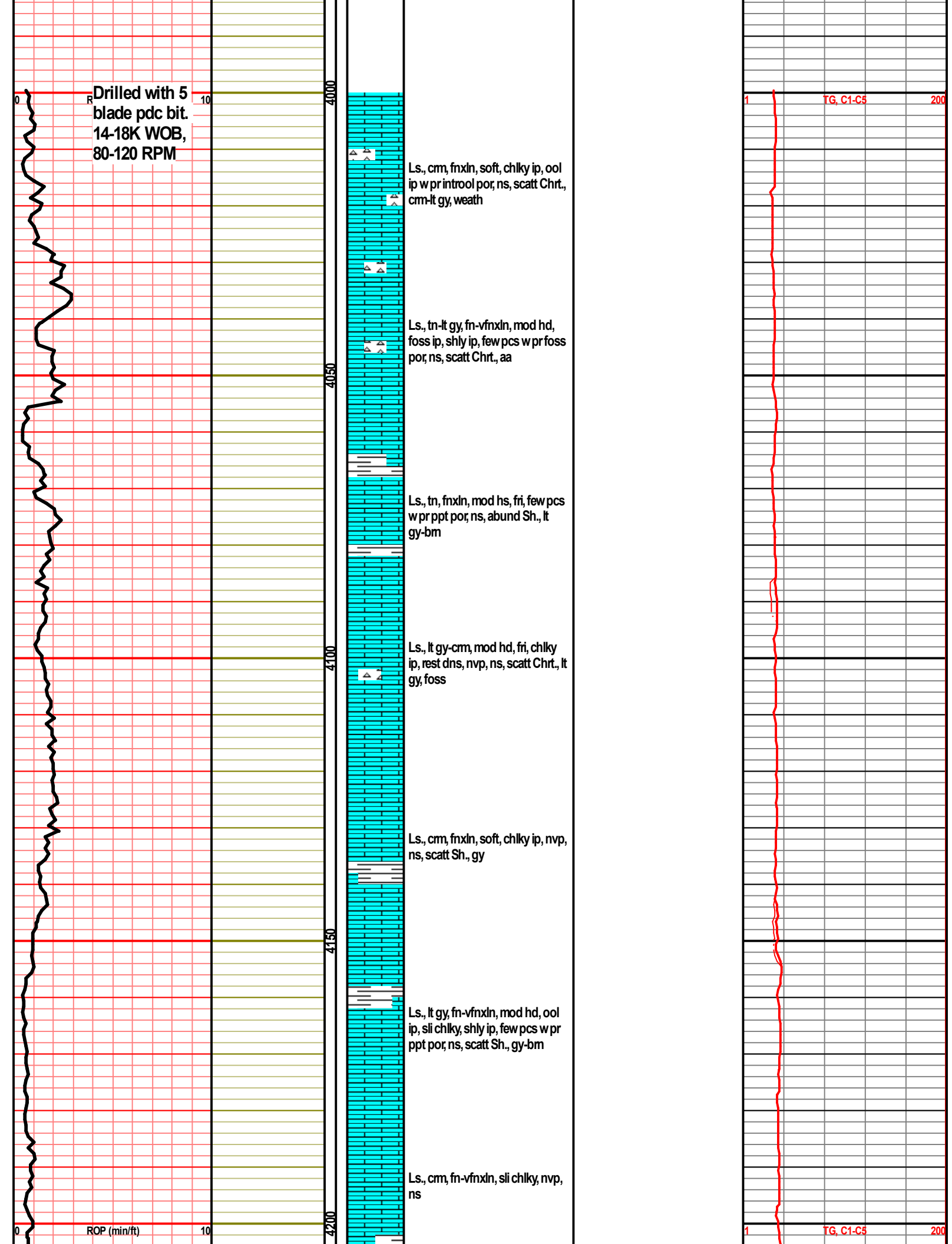
Formation Tops

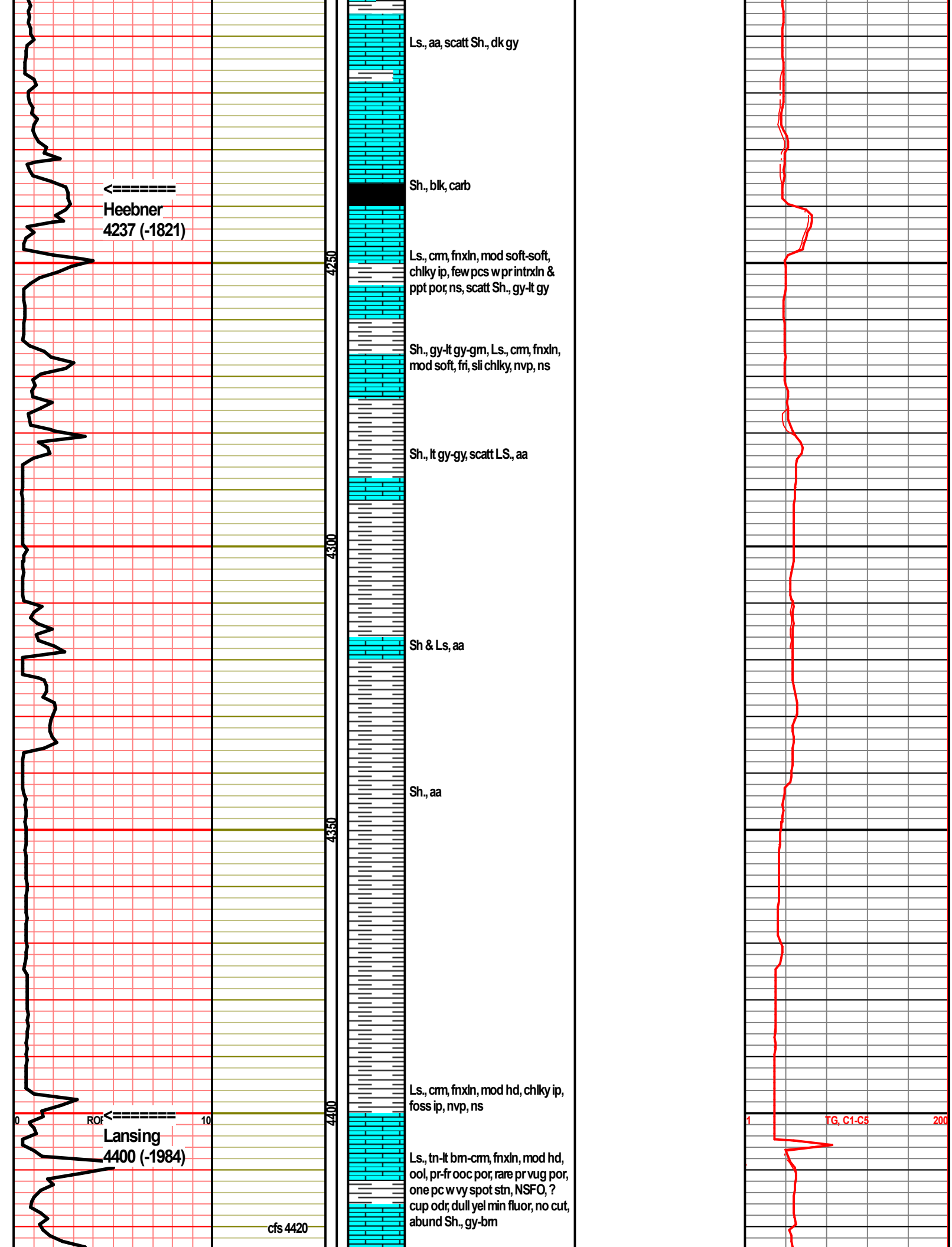
Sample Tops		LogTops	
Heebner	4237 (-1821)	Heebner	4238 (-1822)
Lansing	4400 (-1984)	Lansing	4398 (-1982)
Stark Sh	4711 (-2295)	Stark Sh	4707 (-2291)
BKC	4835 (-2419)	BKC	4817 (-2401)
Marmaton	4857 (-2441)	Marmaton	4846 (-2430)
Cher. Sh.	4960 (-2546)	Cher. Sh.	4953 (-2537)
Miss.	5079 (-2663)	Miss.	5080 (-2664)
Viola	5520 (-3104)	Viola	5548 (-3132)
RTD	5690 (-3274)	LTD	5688 (-3272)

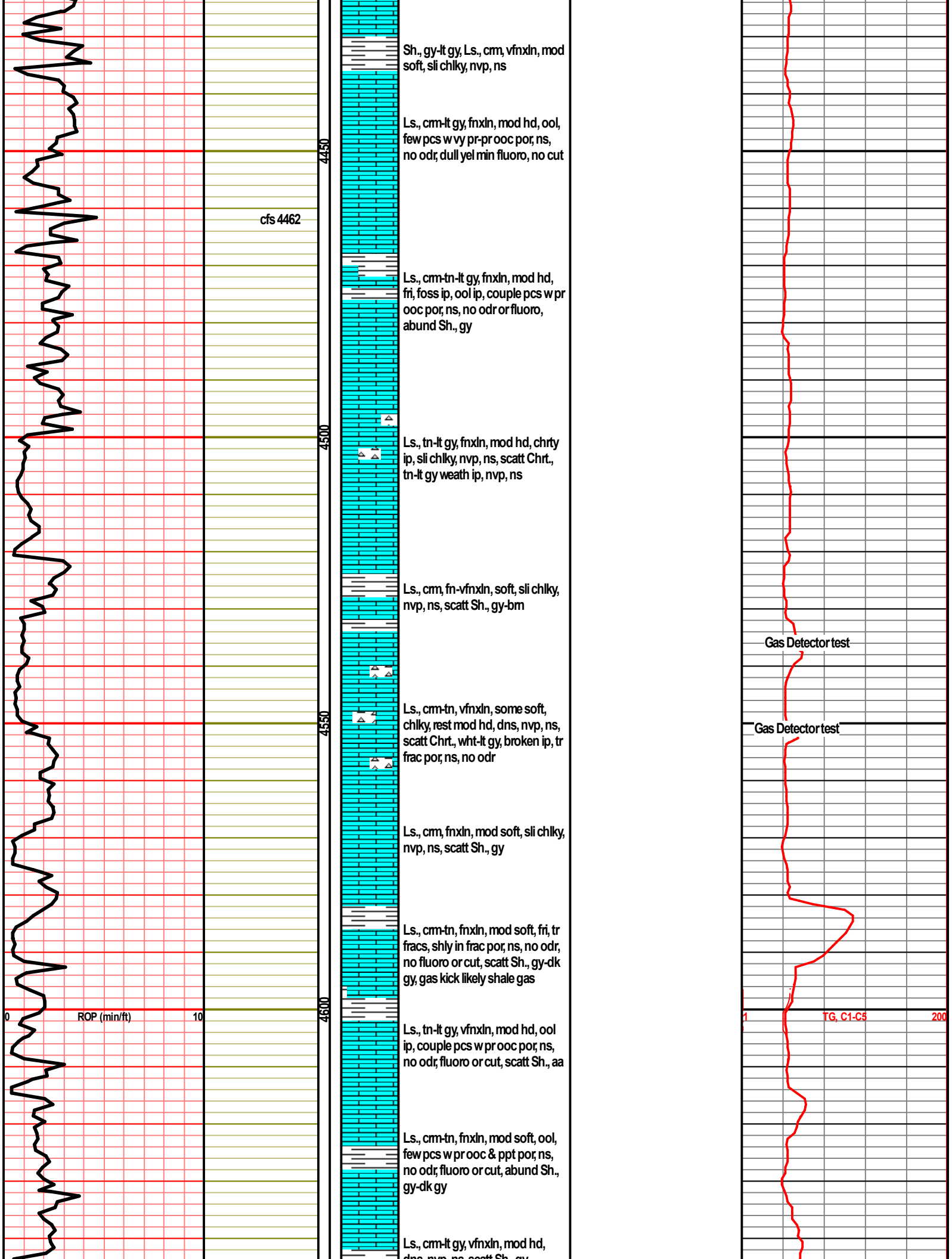
ROCK TYPES

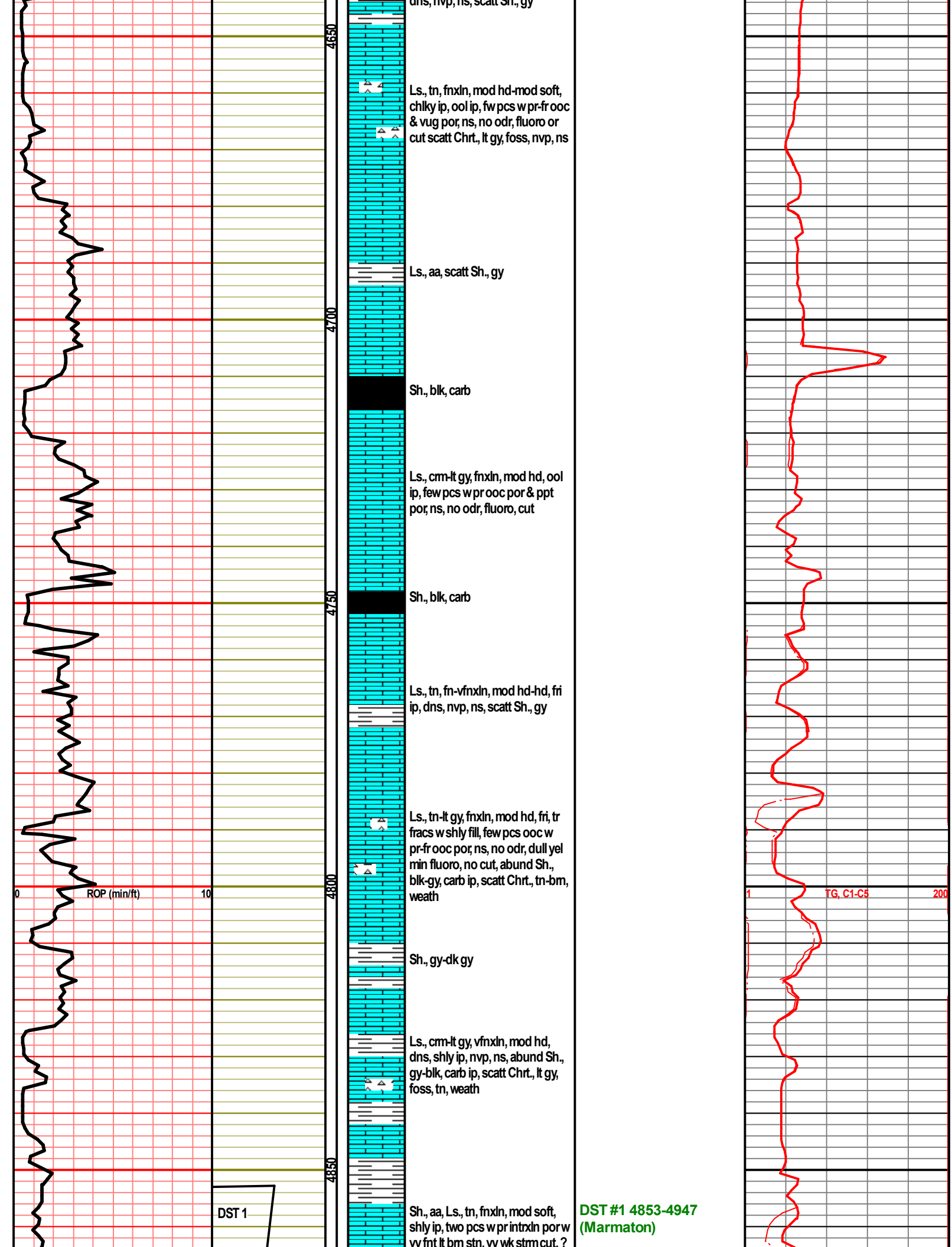


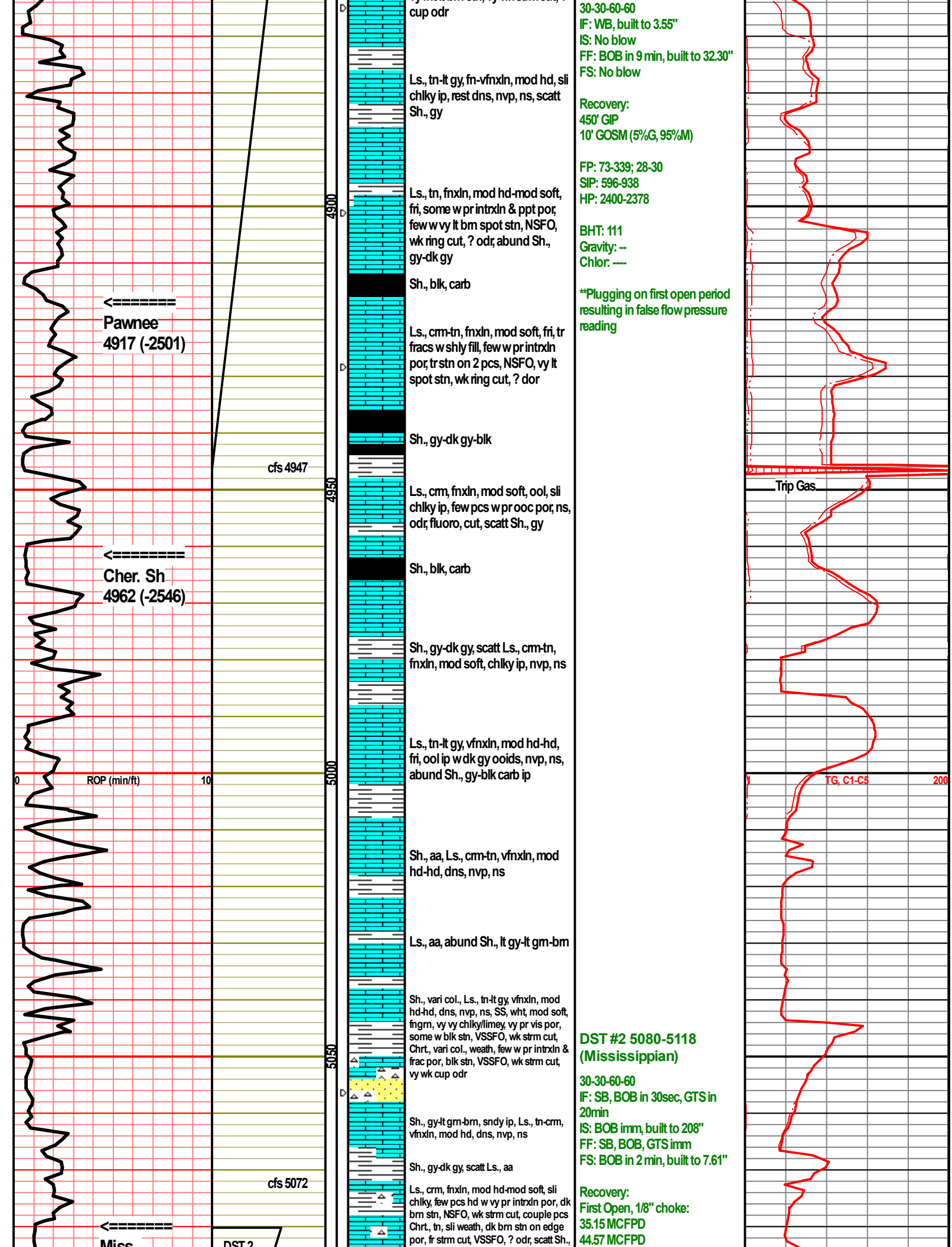


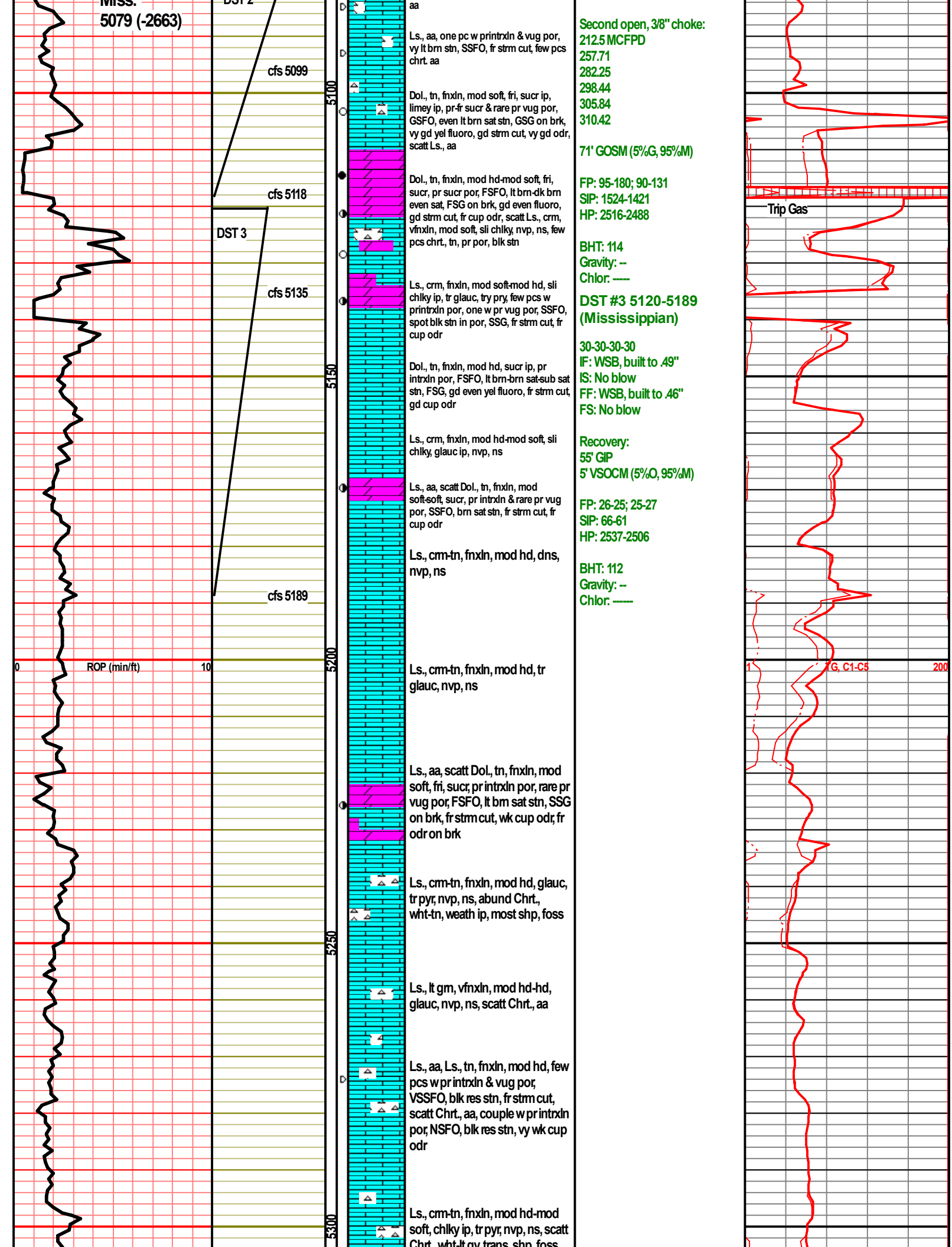

Drilled with 5 blade pdc bit. 14-18K WOB, 80-120 RPM
0
R
10
4000
4050
4100
4150
4200
ROP (min/ft)
Ls., crm, fnxln, soft, chlky ip, ool ip w pr introol por, ns, scatt Chrt., crm-lt gy, weath
Ls., tn-lt gy, fn-vfnxln, mod hd, foss ip, shly ip, few pcs w pr foss por, ns, scatt Chrt., aa
Ls., tn, fnxln, mod hs, fri, few pcs w pr ppt por, ns, abund Sh., lt gy-brn
Ls., lt gy-crm, mod hd, fri, chlky ip, rest dns, nvp, ns, scatt Chrt., lt gy, foss
Ls., crm, fnxln, soft, chlky ip, nvp, ns, scatt Sh., gy
Ls., lt gy, fn-vfnxln, mod hd, ool ip, sli chlky, shly ip, few pcs w pr ppt por, ns, scatt Sh., gy-brn
Ls., crm, fn-vfnxln, sli chlky, nvp, ns
1
TG, C1-C5
200
1
TG, C1-C5
200

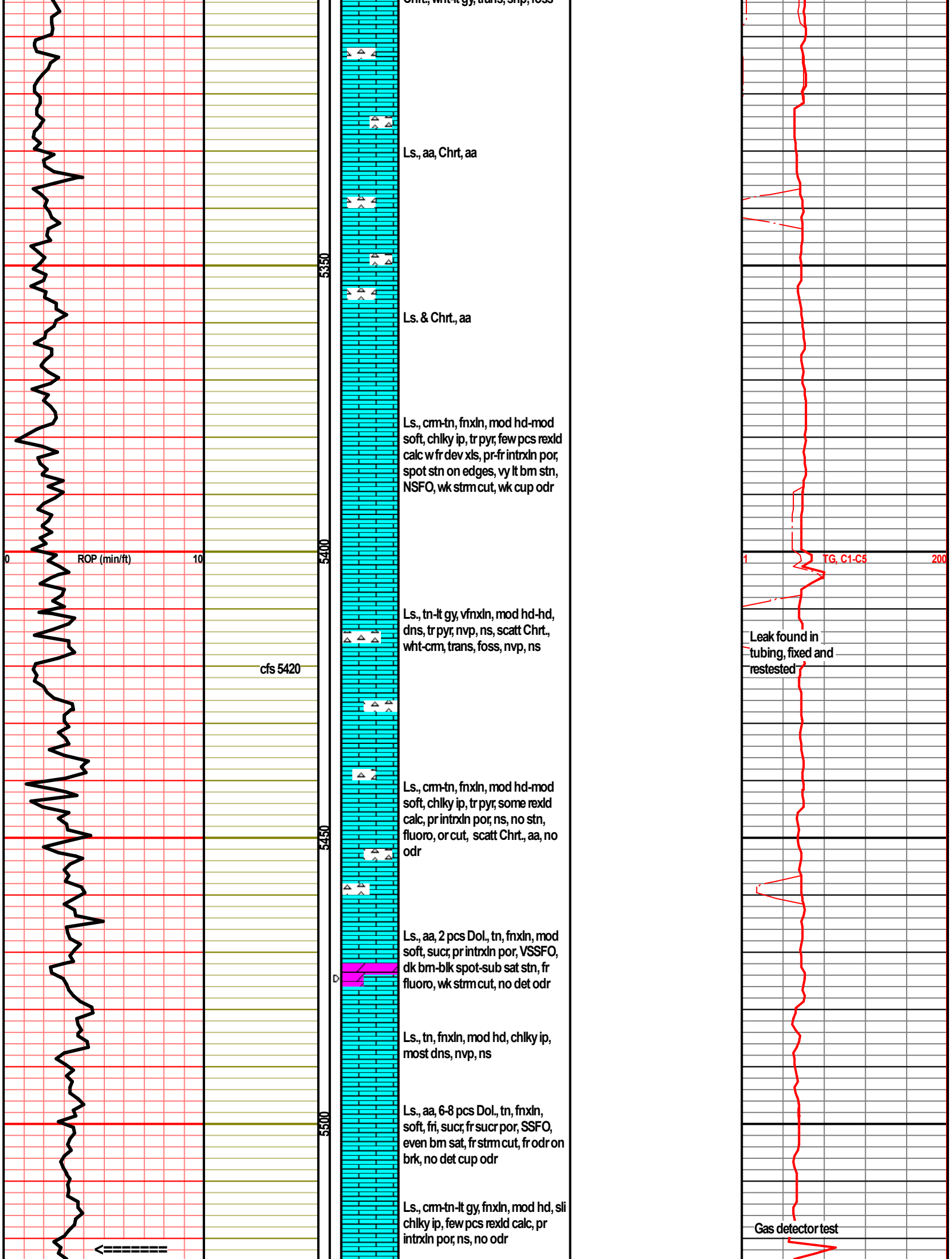

<=======
Heebner
4237 (-1821)
<=======
Lansing
4400 (-1984)
cfs 4420
4250
4300
4350
4400
Ls., aa, scatt Sh., dk gy
Sh., blk, carb
Ls., crm, fnxln, mod soft-soft, chlky ip, few pcs w pr intrxln & ppt por, ns, scatt Sh., gy-lt gy
Sh., gy-lt gy-gm, Ls., crm, fnxln, mod soft, fri, sli chlky, nvp, ns
Sh., lt gy-gy, scatt LS., aa
Sh & Ls, aa
Sh., aa
Ls., crm, fnxln, mod hd, chlky ip, foss ip, nvp, ns
Ls., tn-lt brn-crm, fnxln, mod hd, ool, pr-fr ooc por, rare pr vug por, one pc w vy spot stn, NSFO, ? cup odr, dull yel min fluor, no cut, abund Sh., gy-brn
TG, C1-C5
1
200

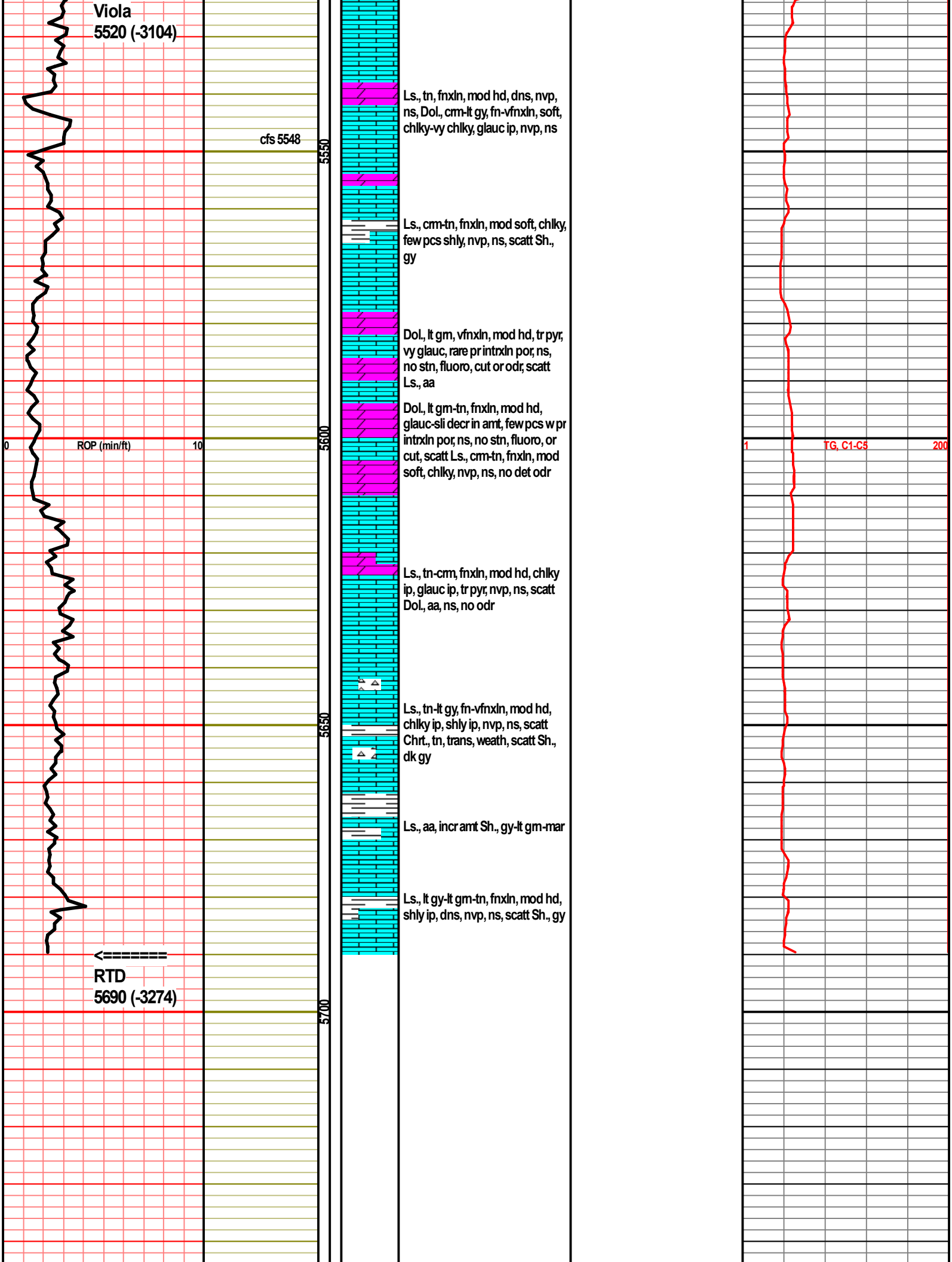

Sh., gy-lt gy, Ls., crm, vfnxln, mod soft, sli chlky, nvp, ns
Ls., crm-lt gy, fnxln, mod hd, ool, few pcs w vy pr-pr ooc por, ns, no odr, dull yel min fluoro, no cut
4450
cfs 4462
Ls., crm-tn-lt gy, fnxln, mod hd, fri, foss ip, ool ip, couple pcs w pr ooc por, ns, no odr or fluoro, abund Sh., gy
Ls., tn-lt gy, fnxln, mod hd, chrty ip, sli chlky, nvp, ns, scatt Chrt., tn-lt gy weath ip, nvp, ns
4500
Ls., crm, fn-vfnxln, soft, sli chlky, nvp, ns, scatt Sh., gy-brn
Gas Detector test
Ls., crm-tn, vfnxln, some soft, chlky, rest mod hd, dns, nvp, ns, scatt Chrt., wht-lt gy, broken ip, tr frac por, ns, no odr
4550
Gas Detector test
Ls., crm, fnxln, mod soft, sli chlky, nvp, ns, scatt Sh., gy
Ls., crm-tn, fnxln, mod soft, fri, tr fracs, shly in frac por, ns, no odr, no fluoro or cut, scatt Sh., gy-dk gy, gas kick likely shale gas
4600
0
ROP (min/ft)
10
1
TG, C1-C5
200
Ls., tn-lt gy, vfnxln, mod hd, ool ip, couple pcs w pr ooc por, ns, no odr, fluoro or cut, scatt Sh., aa
Ls., crm-tn, fnxln, mod soft, ool, few pcs w pr ooc & ppt por, ns, no odr, fluoro or cut, abund Sh., gy-dk gy
Ls., crm-lt gy, vfnxln, mod hd,


dns, nvp, ns, scatt Sh., gy
Ls., tn, fnxln, mod hd-mod soft, chlky ip, ool ip, fw pcs w pr-fr ooc & vug por, ns, no odr, fluoro or cut scatt Chrt., lt gy, foss, nvp, ns
Ls., aa, scatt Sh., gy
Sh., blk, carb
Ls., crm-lt gy, fnxln, mod hd, ool ip, few pcs w pr ooc por & ppt por, ns, no odr, fluoro, cut
Sh., blk, carb
Ls., tn, fn-vfnxln, mod hd-hd, fri ip, dns, nvp, ns, scatt Sh., gy
Ls., tn-lt gy, fnxln, mod hd, fri, tr fracs w shly fill, few pcs ooc w pr-fr ooc por, ns, no odr, dull yel min fluoro, no cut, abund Sh., blk-gy, carb ip, scatt Chrt., tn-brn, weath
Sh., gy-dk gy
Ls., crm-lt gy, vfnxln, mod hd, dns, shly ip, nvp, ns, abund Sh., gy-blk, carb ip, scatt Chrt., lt gy, foss, tn, weath
Sh., aa, Ls., tn, fnxln, mod soft, shly ip, two pcs w pr intrxln por w
4650
4700
4750
4800
4850
0
ROP (min/ft)
10
1
TG, C1-C5
200
DST 1
DST #1 4853-4947
(Marmaton)


cup odr
Ls., tn-lt gy, fn-vfnxln, mod hd, sli chlky ip, rest dns, nvp, ns, scatt Sh., gy
Ls., tn, fnxln, mod hd-mod soft, fri, some w pr intrxln & ppt por, few w vy lt brn spot stn, NSFO, wk ring cut, ? odr, abund Sh., gy-dk gy
Sh., blk, carb
Ls., crm-tn, fnxln, mod soft, fri, tr fracs w shly fill, few w pr intrxln por, tr stn on 2 pcs, NSFO, vy lt spot stn, wk ring cut, ? dor
Sh., gy-dk gy-blk
Ls., crm, fnxln, mod soft, ool, sli chlky ip, few pcs w pr ooc por, ns, odr, fluoro, cut, scatt Sh., gy
Sh., blk, carb
Sh., gy-dk gy, scatt Ls., crm-tn, fnxln, mod soft, chlky ip, nvp, ns
Ls., tn-lt gy, vfnxln, mod hd-hd, fri, ool ip w dk gy ooids, nvp, ns, abund Sh., gy-blk carb ip
Sh., aa, Ls., crm-tn, vfnxln, mod hd-hd, dns, nvp, ns
Ls., aa, abund Sh., lt gy-lt gm-brn
Sh., vari col., Ls., tn-lt gy, vfnxln, mod hd-hd, dns, nvp, ns, SS, wht, mod soft, fngrn, vy vy chlky/limey, vy pr vis por, some w blk stn, VSSFO, wk strm cut, Chrt., vari col., weath, few w pr intrxln & frac por, blk stn, VSSFO, wk strm cut, vy wk cup odr
Sh., gy-lt grn-brn, sndy ip, Ls., tn-crm, vfnxln, mod hd, dns, nvp, ns
Sh., gy-dk gy, scatt Ls., aa
Ls., crm, fnxln, mod hd-mod soft, sli chlky, few pcs hd w vy pr intrxln por, dk brn stn, NSFO, wk strm cut, couple pcs Chrt., tn, sli weath, dk brn stn on edge por, fr strm cut, VSSFO, ? odr, scatt Sh.,
4900
4950
5000
5050
<=======
Pawnee
4917 (-2501)
<========
Cher. Sh
4962 (-2546)
<=======
cfs 4947
cfs 5072
DST 2
0
ROP (min/ft)
10
30-30-60-60
IF: WB, built to 3.55"
IS: No blow
FF: BOB in 9 min, built to 32.30"
FS: No blow
Recovery:
450' GIP
10' GOSM (5%G, 95%M)
FP: 73-339; 28-30
SIP: 596-938
HP: 2400-2378
BHT: 111
Gravity: --
Chlor: ----
**Plugging on first open period resulting in false flow pressure reading
Trip Gas
TG, C1-C5
200
DST #2 5080-5118 (Mississippian)
30-30-60-60
IF: SB, BOB in 30sec, GTS in 20min
IS: BOB imm, built to 208"
FF: SB, BOB, GTS imm
FS: BOB in 2 min, built to 7.61"
Recovery:
First Open, 1/8" choke:
35.15 MCFPD
44.57 MCFPD


Miss.
5079 (-2663)
DST 2
cfs 5099
cfs 5118
DST 3
cfs 5135
cfs 5189
0
ROP (min/ft)
10
5100
5150
5200
5250
5300
aa
Ls., aa, one pc w printrxln & vug por, vy lt brn stn, SSFO, fr strm cut, few pcs chrt. aa
Dol., tn, fnxln, mod soft, fri, sucr ip, limey ip, pr-fr sucr & rare pr vug por, GSFO, even lt brn sat stn, GSG on brk, vy gd yel fluoro, gd strm cut, vy gd odr, scatt Ls., aa
Dol., tn, fnxln, mod hd-mod soft, fri, sucr, pr sucr por, FSFO, lt brn-dk brn even sat, FSG on brk, gd even fluoro, gd strm cut, fr cup odr, scatt Ls., crm, vfnxln, mod soft, sli chlky, nvp, ns, few pcs chrt., tn, pr por, blk stn
Ls., crm, fnxln, mod soft-mod hd, sli chlky ip, tr glauc, try pry, few pcs w printrxln por, one w pr vug por, SSFO, spot blk stn in por, SSG, fr strm cut, fr cup odr
Dol., tn, fnxln, mod hd, sucr ip, pr intrxln por, FSFO, lt brn-brn sat-sub sat stn, FSG, gd even yel fluoro, fr strm cut, gd cup odr
Ls., crm, fnxln, mod hd-mod soft, sli chlky, glauc ip, nvp, ns
Ls., aa, scatt Dol., tn, fnxln, mod soft-soft, sucr, pr intrxln & rare pr vug por, SSFO, brn sat stn, fr strm cut, fr cup odr
Ls., crm-tn, fnxln, mod hd, dns, nvp, ns
Ls., crm-tn, fnxln, mod hd, tr glauc, nvp, ns
Ls., aa, scatt Dol., tn, fnxln, mod soft, fri, sucr, pr intrxln por, rare pr vug por, FSFO, lt brn sat stn, SSG on brk, fr strm cut, wk cup odr, fr odr on brk
Ls., crm-tn, fnxln, mod hd, glauc, tr pyr, nvp, ns, abund Chrt., wht-tn, weath ip, most shp, foss
Ls., lt gm, vfnxln, mod hd-hd, glauc, nvp, ns, scatt Chrt., aa
Ls., aa, Ls., tn, fnxln, mod hd, few pcs w pr intrxln & vug por, VSSFO, blk res stn, fr strm cut, scatt Chrt., aa, couple w pr intrxln por, NSFO, blk res stn, vy wk cup odr
Ls., crm-tn, fnxln, mod hd-mod soft, chlky ip, tr pyr, nvp, ns, scatt
Second open, 3/8" choke:
212.5 MCFPD
257.71
282.25
298.44
305.84
310.42
71' GOSM (5%G, 95%M)
FP: 95-180; 90-131
SIP: 1524-1421
HP: 2516-2488
BHT: 114
Gravity: --
Chlor: -----
DST #3 5120-5189
(Mississippian)
30-30-30-30
IF: WSB, built to .49"
IS: No blow
FF: WSB, built to .46"
FS: No blow
Recovery:
55' GIP
5' VSOCM (5%O, 95%M)
FP: 26-25; 25-27
SIP: 66-61
HP: 2537-2506
BHT: 112
Gravity: --
Chlor: ------
Trip Gas
1
TG, C1-C5
200


Ls., aa, Chrt, aa
Ls. & Chrt., aa
Ls., crm-tn, fnxln, mod hd-mod soft, chlky ip, tr pyr, few pcs rexld calc w fr dev xls, pr-fr intrxln por, spot stn on edges, vy lt brn stn, NSFO, wk strm cut, wk cup odr
0
ROP (min/ft)
10
5350
5400
1
TG, C1-C5
200
Ls., tn-lt gy, vfnxln, mod hd-hd, dns, tr pyr, nvp, ns, scatt Chrt., wht-crm, trans, foss, nvp, ns
cfs 5420
Leak found in tubing, fixed and restested
Ls., crm-tn, fnxln, mod hd-mod soft, chlky ip, tr pyr, some rexld calc, pr intrxln por, ns, no stn, fluoro, or cut, scatt Chrt., aa, no odr
5450
Ls., aa, 2 pcs Dol., tn, fnxln, mod soft, sucr, pr intrxln por, VSSFO, dk brn-blk spot-sub sat stn, fr fluoro, wk strm cut, no det odr
Ls., tn, fnxln, mod hd, chlky ip, most dns, nvp, ns
Ls., aa, 6-8 pcs Dol., tn, fnxln, soft, fri, sucr, fr sucr por, SSFO, even brn sat, fr strm cut, fr odr on brk, no det cup odr
5500
Ls., crm-tn-lt gy, fnxln, mod hd, sli chlky ip, few pcs rexld calc, pr intrxln por, ns, no odr
Gas detector test
<=======


Viola
5520 (-3104)
cfs 5548
5550
Ls., tn, fnxln, mod hd, dns, nvp, ns, Dol., crm-lt gy, fn-vfnxln, soft, chlky-vy chlky, glauc ip, nvp, ns
Ls., crm-tn, fnxln, mod soft, chlky, few pcs shly, nvp, ns, scatt Sh., gy
Dol., lt gm, vfnxln, mod hd, tr pyr, vy glauc, rare pr intrxln por, ns, no stn, fluoro, cut or odr, scatt Ls., aa
Dol., lt gm-tn, fnxln, mod hd, glauc-sli decr in amt, few pcs w pr intrxln por, ns, no stn, fluoro, or cut, scatt Ls., crm-tn, fnxln, mod soft, chlky, nvp, ns, no det odr
0
ROP (min/ft)
10
5600
1
TG, C1-C5
200
Ls., tn-crm, fnxln, mod hd, chlky ip, glauc ip, tr pyr, nvp, ns, scatt Dol., aa, ns, no odr
Ls., tn-lt gy, fn-vfnxln, mod hd, chlky ip, shly ip, nvp, ns, scatt Chrt., tn, trans, weath, scatt Sh., dk gy
5650
Ls., aa, incr amt Sh., gy-lt gm-mar
Ls., lt gy-lt gm-tn, fnxln, mod hd, shly ip, dns, nvp, ns, scatt Sh., gy
<=======
RTD
5690 (-3274)
5700

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

4924 SE 84th St
New ton, Ks. 67114

ATTN: Andrew Stenzel

29-28s-21w Ford Co., Ks.

Vice #1

Job Ticket: 67160 **DST#: 2**

Test Start: 2021.08.01 @ 22:55:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:33:30
Time Test Ended: 07:05:15

Test Type: Conventional Bottom Hole (Reset)
Tester: Matt Smith
Unit No: 68

Interval: 5080.00 ft (KB) To 5118.00 ft (KB) (TVD)
Total Depth: 5118.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

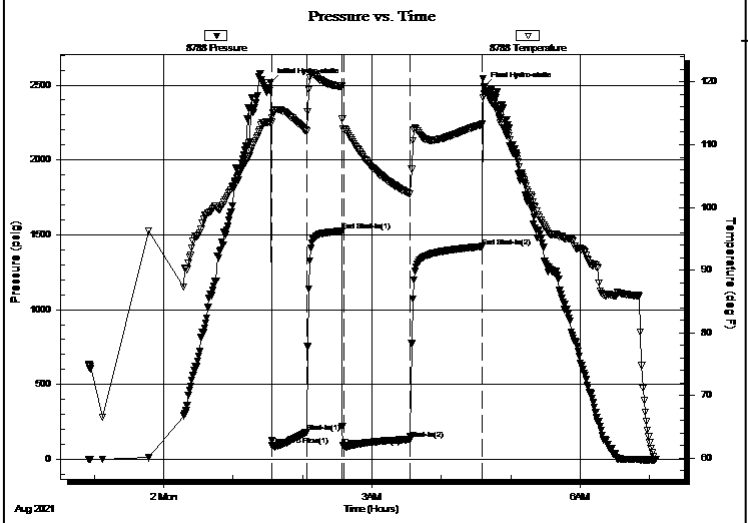
Reference Elevations: 2416.00 ft (KB)
2404.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8788 **Inside**

Press@RunDepth: 130.99 psig @ 5081.00 ft (KB)
Start Date: 2021.08.01 End Date: 2021.08.02
Start Time: 22:55:05 End Time: 07:05:14

Capacity: 8000.00 psig
Last Calib.: 2021.08.02
Time On Btm: 2021.08.02 @ 01:32:15
Time Off Btm: 2021.08.02 @ 04:37:15

TEST COMMENT: IF: Strong Blow . B.O.B. in 30 secs. Built over 800". G.T.S. in 20 mins. (30)
ISI: Strong Blow . B.O.B., immdiate After Bleed off. Built to 208". (30)
FF: Strong Blow . B.O.B. & G.T.S. immediate. Built over 800". Gauged Gas in Both Flow s. (60)
FSI: Strong Blow . B.O.B. in 2 mins after Bleed off. Built to 17.61". (60)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2516.16	113.65	Initial Hydro-static
2	94.81	114.32	Open To Flow (1)
31	179.62	112.18	Shut-In(1)
62	1523.59	119.32	End Shut-In(1)
64	90.21	112.63	Open To Flow (2)
121	130.99	102.13	Shut-In(2)
184	1421.48	113.27	End Shut-In(2)
185	2487.72	118.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
71.00	GOSM 5%g 95%m	0.54
0.00	GTS 100%g	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	79.50	35.14
Last Gas Rate	0.38	70.34	310.42
Max. Gas Rate	0.13	104.68	44.57

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

4924 SE 84th St
New ton, Ks. 67114

ATTN: Andrew Stenzel

29-28s-21w Ford Co., Ks.

Vice #1

Job Ticket: 67160 **DST#: 2**

Test Start: 2021.08.01 @ 22:55:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:33:30
Time Test Ended: 07:05:15

Test Type: Conventional Bottom Hole (Reset)
Tester: Matt Smith
Unit No: 68

Interval: 5080.00 ft (KB) To 5118.00 ft (KB) (TVD)
Total Depth: 5118.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

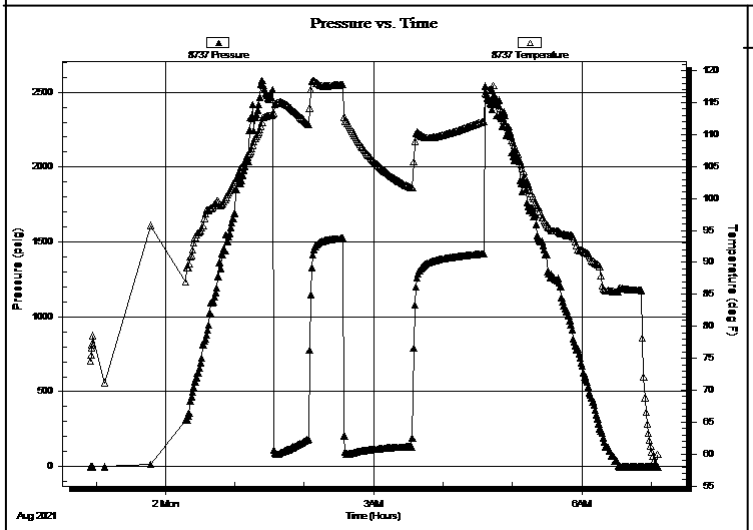
Reference Elevations: 2416.00 ft (KB)
2404.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8737 **Outside**

Press@RunDepth: psig @ 5081.00 ft (KB)
Start Date: 2021.08.01 End Date: 2021.08.02
Start Time: 22:55:23 End Time: 07:05:32

Capacity: 8000.00 psig
Last Calib.: 2021.08.02
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow . B.O.B. in 30 secs. Built over 800". G.T.S. in 20 mins. (30)
ISI: Strong Blow . B.O.B., immdiate After Bleed off. Built to 208". (30)
FF: Strong Blow . B.O.B. & G.T.S. immediate. Built over 800". Gauged Gas in Both Flow s. (60)
FSI: Strong Blow . B.O.B. in 2 mins after Bleed off. Built to 17.61". (60)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
71.00	GOSM 5%g 95%m	0.54
0.00	GTS 100%g	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	79.50	35.14
Last Gas Rate	0.38	70.34	310.42
Max. Gas Rate	0.13	104.68	44.57

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc

4924 SE 84th St
New ton, Ks. 67114

ATTN: Andrew Stenzel

29-28s-21w Ford Co., Ks.

Vice #1

Job Ticket: 67160 **DST#: 2**

Test Start: 2021.08.01 @ 22:55:00

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:	8900 ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	11.19 in³	Gas Cushion Type:			
Resistivity:	8900.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
71.00	GOSM 5%g 95%m	0.541
0.00	GTS 100%g	0.000

Total Length: 71.00 ft Total Volume: 0.541 bbl

Num Fluid Samples: 2 Num Gas Bombs: 1 Serial #: P 22 Matt

Laboratory Name: Laboratory Location:

Recovery Comments: GAS to Surface.

DRILL STEM TEST REPORT

GAS RATES

Palomino Petroleum, Inc

4924 SE 84th St
New ton, Ks. 67114

ATTN: Andrew Stenzel

29-28s-21w Ford Co., Ks.

Vice #1

Job Ticket: 67160 **DST#: 2**

Test Start: 2021.08.01 @ 22:55:00

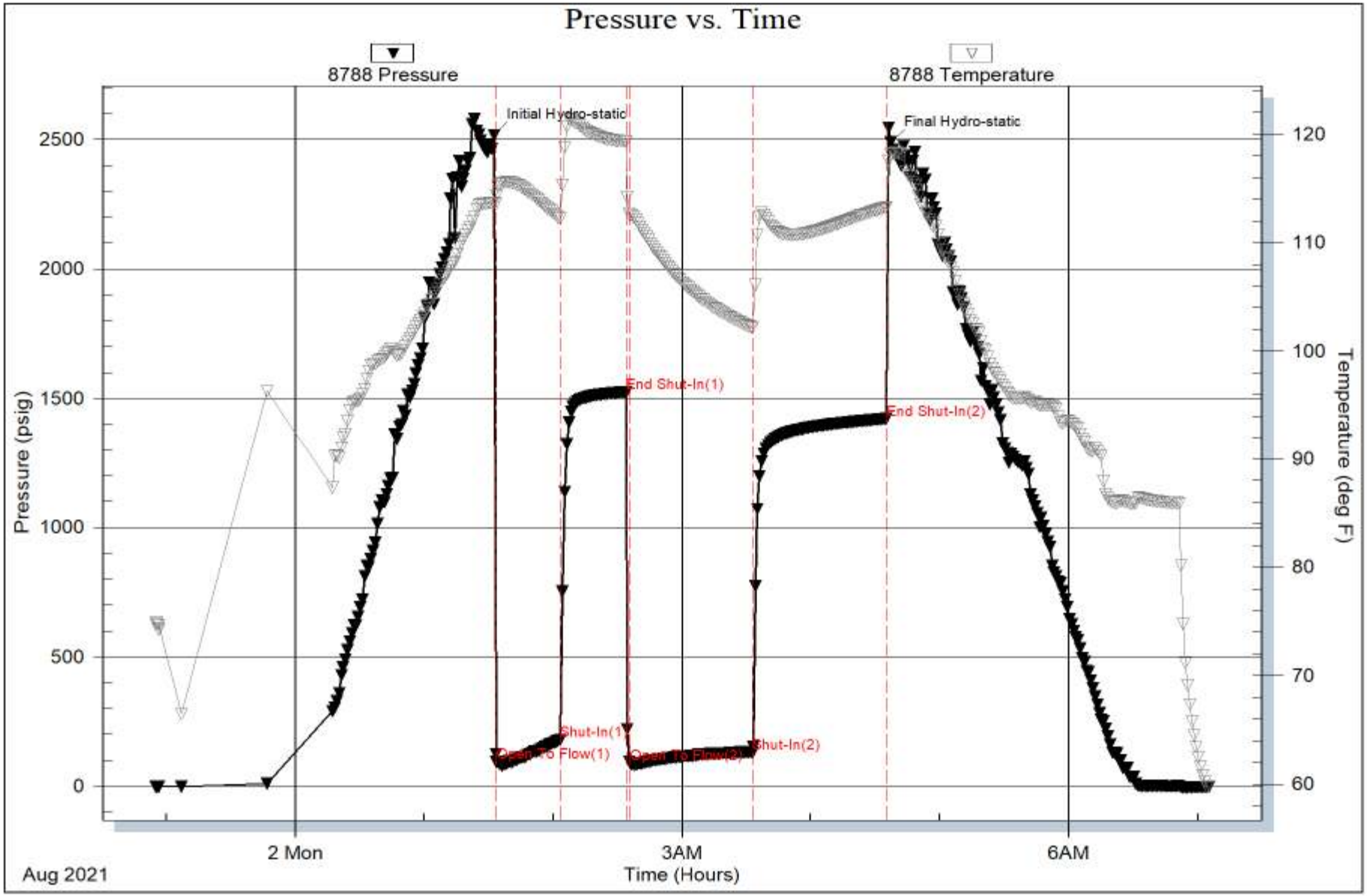
Gas Rates Information

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

Gas Rates Table

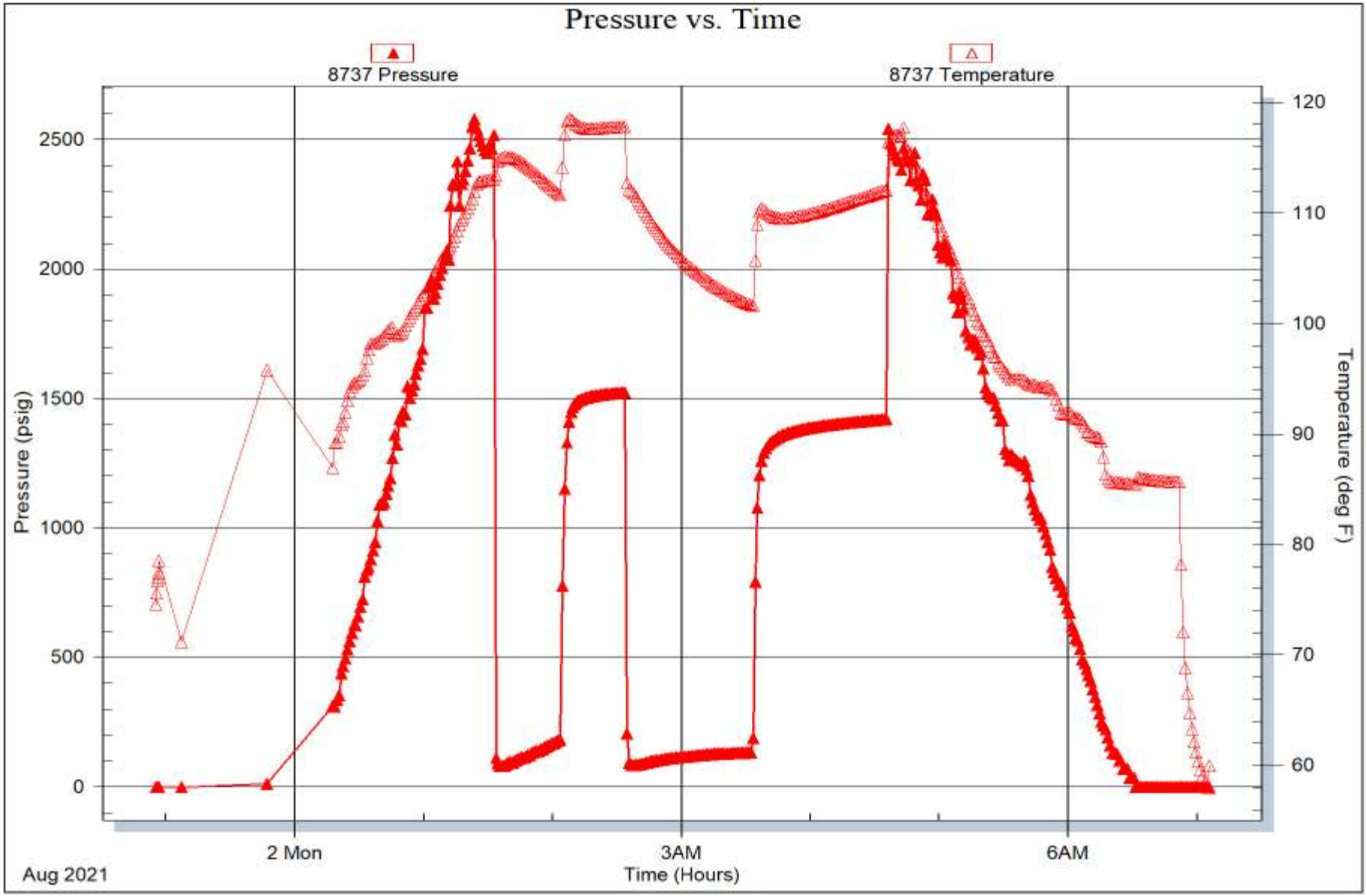
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	20	0.13	79.50	35.14
1	30	0.13	104.68	44.57
2	10	0.38	43.61	212.50
2	20	0.38	55.95	257.71
2	30	0.38	62.65	282.25
2	40	0.38	67.07	298.44
2	50	0.38	69.09	305.84
2	60	0.38	70.34	310.42

Serial #: 8788 **Inside** Palomino Petroleum, Inc Vice #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 67160 Printed: 2021.08.02 @ 07:59:18

Serial #: 8737 **Outside** Palomino Petroleum, Inc Vice #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 67160 Printed: 2021.08.02 @ 07:59:18

HURRICANE SERVICES INC

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

RECEIVED
AUG 17 2021
BY:

Customer:

PALOMINO PETROLEUM INC
4924 SE 84TH ST
NEWTON, KS 67114-8827

Invoice Date:	8/4/2021
Invoice #:	0354561
Lease Name:	Vice
Well #:	1 (New)
County:	Ford, Ks
Job Number:	WP1624
District:	Pratt

Date/Description	HRS/QTY	Rate	Total
7/26/21 8 5/8" Surface Casing	0.000	0.000	0.00
H-Lite	225.000	11.440	2,574.00
Cement Class A	150.000	14.960	2,244.00
Calcium Chloride	870.000	0.660	574.20
Cello Flake	95.000	1.540	146.30
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
8 5/8" Centralizer x 12 1/4"	1.000	79.200	79.20
Light Eq Mileage	50.000	1.760	88.00
Heavy Eq Mileage	50.000	3.520	176.00
Ton Mileage	843.000	1.320	1,112.76
Cement Pump Service	1.000	660.000	660.00
Cement Plug Container	1.000	220.000	220.00

Cement for surface
8/4

Total 8,160.46 ✓

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!

Hurricane Services, Inc.
250 N. Water St., Suite #200
Wichita, KS 67202

Customer	Palomino Petroleum Inc	Lease & Well #	Vice 1			Date	7/26/2021
Service District	Pratt Kansas	County & State	Ford Kansas	Legals S/T/R	29-28s-21w	Job #	
Job Type	8 5/8	☑ PROD	☐ INJ	☐ SWD	New Well? ☑ YES ☐ No	Ticket #	wp1624

Equipment #	Driver
916	M Brungardt
179/522	R Osborn
182/533	C Cobb

Job Safety Analysis - A Discussion of Hazards & Safety Procedures

☑ Hard hat	☑ Gloves	☐ Lockout/Tagout	☐ Warning Signs & Flagging
☑ H2S Monitor	☑ Eye Protection	☐ Required Permits	☐ Fall Protection
☑ Safety Footwear	☐ Respiratory Protection	☑ Slip/Trip/Fall Hazards	☐ Specific Job Sequence/Expectations
☑ FRC/Protective Clothing	☐ Additional Chemical/Acid PPE	☑ Overhead Hazards	☑ Muster Point/Medical Locations
☐ Hearing Protection	☑ Fire Extinguisher	☐ Additional concerns or issues noted below	

Comments

Product/ Service Code	Description	Unit of Measure	Quantity			Net Amount
cp050	H-Lite	sack	225.00			$2,574.00
cp010	Class A Cement	sack	150.00			$2,244.00
cp100	Calcium Chloride	lb	870.00			$574.20
cp120	Cello-flake	lb	95.00			$146.30
fe280	8 5/8" Baffle	ea	1.00			$132.00
fe285	8 5/8" Rubber Plug	ea	1.00			$154.00
fe250	8 5/8" Centralizer	ea	1.00			$79.20
m015	Light Equipment Mileage	mi	50.00			$88.00
m010	Heavy Equipment Mileage	mi	50.00			$176.00
m020	Ton Mileage	tm	843.00			$1,112.76
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?

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely

				Net:	$8,160.46
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:	$ 8,160.46	

HSI Representative: *Mark Brungardt*

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 ½% 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 informaiton in determining taxable services.

X _____ **CUSTOMER AUTHORIZATION SIGNATURE**

ftv: 15-2021/01/25
mplv: 193-2021/07/23

CEMENT TREATMENT REPORT

Customer:	Palomino Petroleum Inc	Well:	Vice 1	Ticket:	wp1624
City, State:	Bucklin Kansas	County:	Ford Kansas	Date:	7/26/2021
Field Rep:	Jim Johnson	S-T-R:	29-28s-21w	Service:	8.625

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	ft
Casing Size:	8 5/8 in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	33.5 bbls

Calculated Slurry - Lead	
Blend:	H-lite
Weight:	12.6 ppg
Water / Sx:	10.4 gal / sx
Yield:	1.93 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	77.3 bbls
Total Sacks:	225 sx

Calculated Slurry - Tail	
Blend:	A 2% cc
Weight:	15.6 ppg
Water / Sx:	5.2 gal / sx
Yield:	1.20 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	32.0 bbls
Total Sacks:	150 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
7:00 PM			-	-	on location job and safety
7:15 PM				-	spot trucks and rig up
				-	
9:00 PM				-	start casing
10:40 PM				-	casing on bottom circulate
				-	
10:50 PM				-	start cement
	5.0	300.0	5.0	5.0	5 bbls fresh
	5.0	300.0	77.3	82.3	mix 225 sacks lite
	5.0	300.0	32.0	114.3	mix 150 sacks A2%cc
11:15 AM				114.3	cement in and shut down
11:17 PM	3.0				start displacement
	2.0	200.0			slow rate to 3 bpm
11:30 PM	2.0	250.0			bump plug
					plug down at 11:30 pm
					cement did circulate

	CREW	UNIT
Cementer:	M Brungardt	916
Pump Operator:	R Osborn	179/522
Bulk #1:	C Cobb	182/533
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.7 bpm	270 psi	114 bbls

ftv: 15-2021/01/25
mplv: 193-2021/07/23