

## LOCATION AND LEGALS DATA

### WellSight Systems

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

Measured Depth Log

Well Name: Bradley 1-1

API: 15-035-24734

Location: NE SW SW NW S1-T34S-R6E

License Number: 5822

Spud Date: 4/13/21

Surface Coordinates: 2100' FNL, 340' FWL

Region: Cowley County, KS

Drilling Completed: 4/17/21

Bottom Hole

Coordinates:

Ground Elevation (ft): 1321'

K.B. Elevation (ft): 1330'

Logged Interval (ft): 400' To: 4201'

Total Depth (ft): 4202'

Formation: Mississippi

Type of Drilling Fluid: Chemical

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

### OPERATOR

Company: Val Energy, Inc

Address: 125 N Market St STE 1110

Wichita, KS 67202

### GEOLOGIST

Name: Brandon Wolfe

Company:

Address: 1016 N Biddle St

Moline, KS 67353

### CONTRACTOR

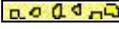
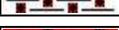
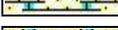
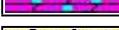
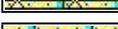
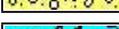
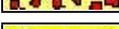
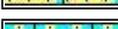
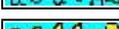
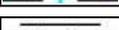
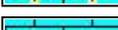
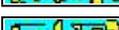
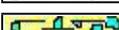
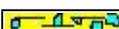
C&G Drilling Inc. 701 E River St. Eureka, KS 67045-2100

### COMMENTS

5 1/2" Casing was ran to bottom and cemented in place w/125 sacks to futher evaluate the Mississippi Formation

<u>Formation</u>	<u>Sample Tops</u>	<u>Log Tops</u>
Helium Gas Zone	1176' (+154)	1172' (+158)
Heebner	1365' (-35)	1365' (-35)
Haskell	1668' (-338)	1665' (-335)
Stalnaker	1926' (-596)	1922' (-592)
Layton	2178' (-848)	2173' (-843)
Kansas City Sand	2348' (-1018)	2346' (-1016)
Kansas City Lime	2400' (-1070)	2398' (-1068)
Altamont	2555' (-1225)	2556' (-1226)
Cherokee	2718' (-1388)	2716' (-1386)
Mississippi	2966' (-1636)	2964' (-1634)
Kinderhook	3318' (-1988)	3318' (-1988)
Arbukle	3325' (-1995)	3325' (-1995)

### ROCK TYPES

	Anhydrite		Shaly_ss_ii		Cherty_dolo		Qtz_wash
	Arkose		Sandstone		Dolomite		Qtz_wash_ii
	Ark_shale		Shaly_limy_ss		Limy_dolo		Argil_qtz_wash
	Granite		Washy_limy_ss		Cement		Ark_qtz_wash
	Coal		Limy_ss		Carb_wash		Sdy_gw
	Limy_sh		Sdy_ls		Sdy_carb_wash		Shaly_gw
	Shale		Limestone		Shaly_sdy_carb		Gw_a
	Hot_shale		Dolo_ls		Shaly_limy_qtz_w		Gw_b
	Hot_shale_ii		Shaly_ls		Shaly_limy_qtz_w		Gw_c
	Siltstone		Carb_shaly_ls		Limy_qtz_wash		Gw_d
	Siltstone_ii		Cherty_ls		Limy_qtz_wash_ii		
	Shaly_ss		Chert		Limy_qtz_wash_iii		

## ACCESSORIES

### FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

### MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr



- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

### STRINGER

- Arkosic inclusion
- Chert inclusion
- Anhydrite
- Arkosic qtz str
- Arkosic qtz str ii
- Arkosic str
- Arkosic str ii
- Carb wash str
- Sandy carb wash str
- Coal/carb sh
- Dolomite
- Granite str
- Limestone
- Limy ss str
- Qtz wash str
- Limy qtz wash str



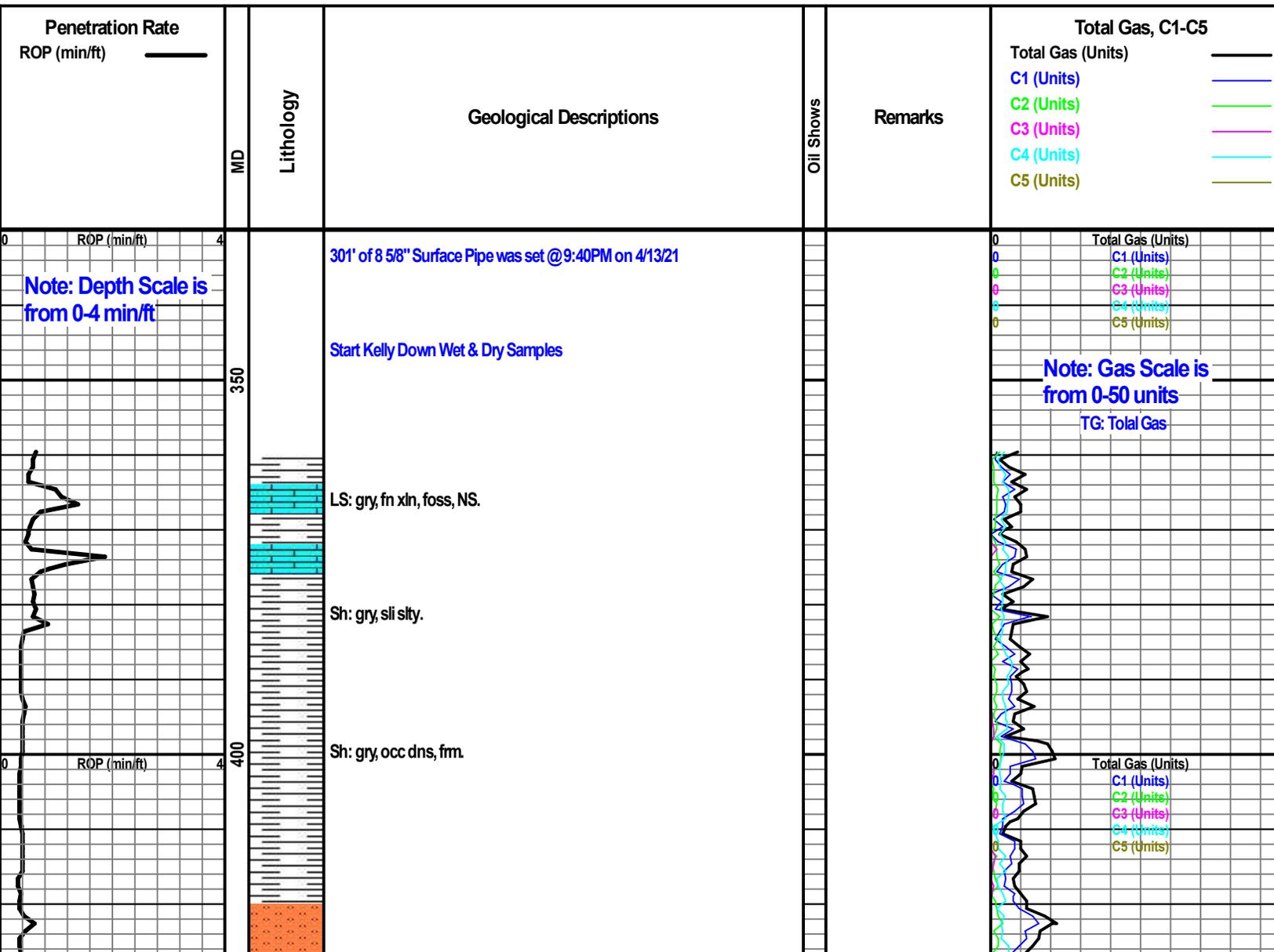
- Sandy ls str
- Shale
- Siltstone
- Sandstone

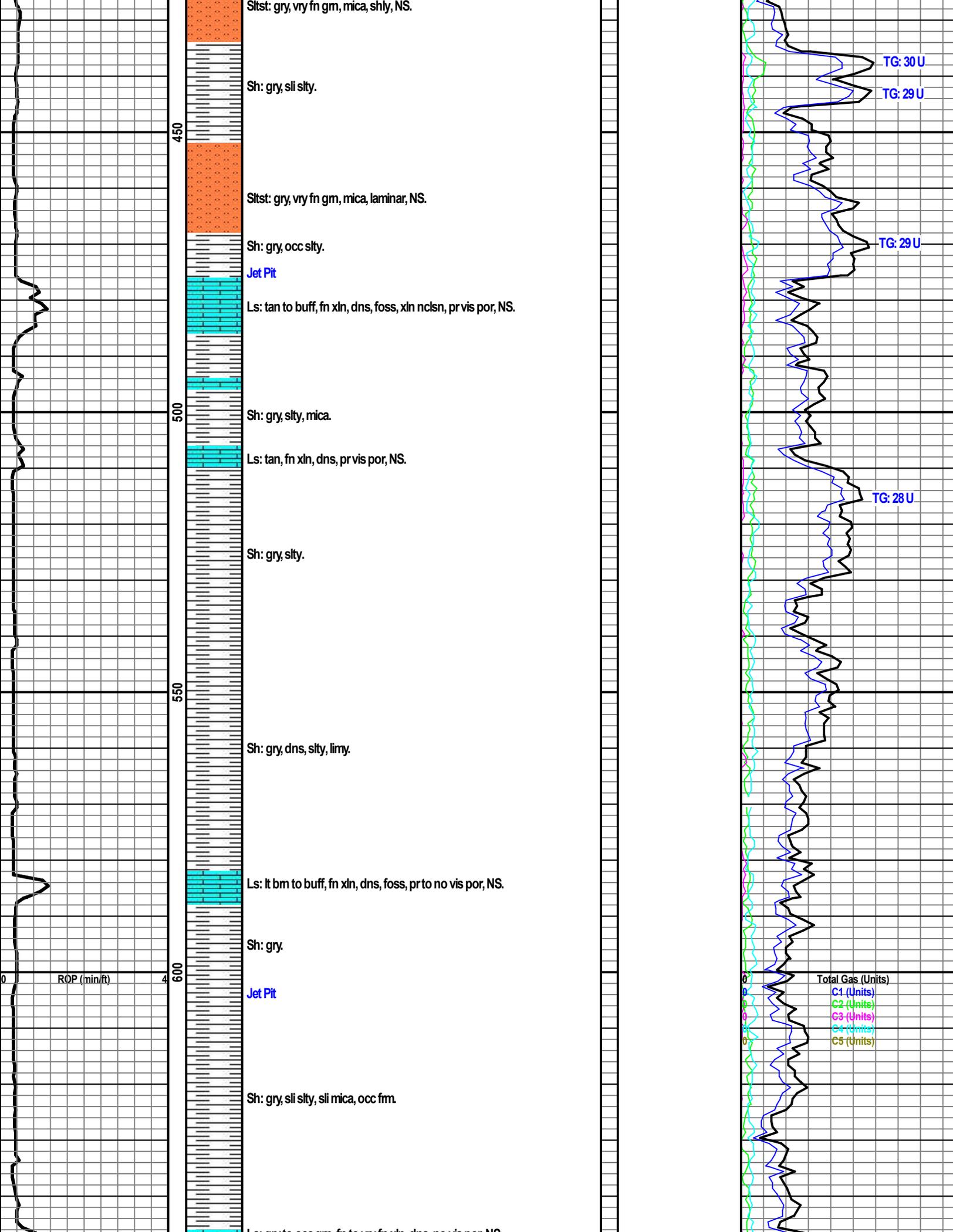
### TEXTURE

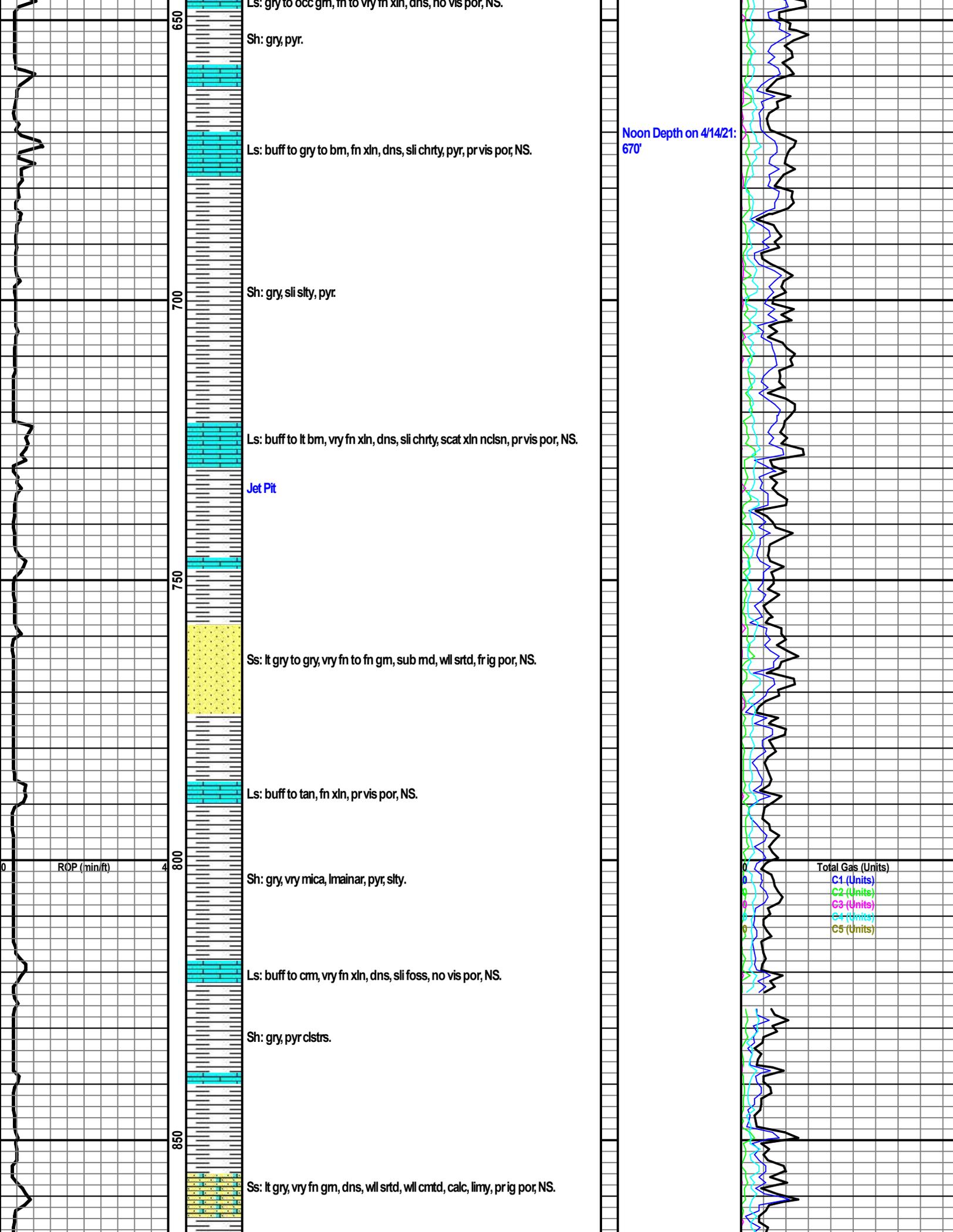
- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

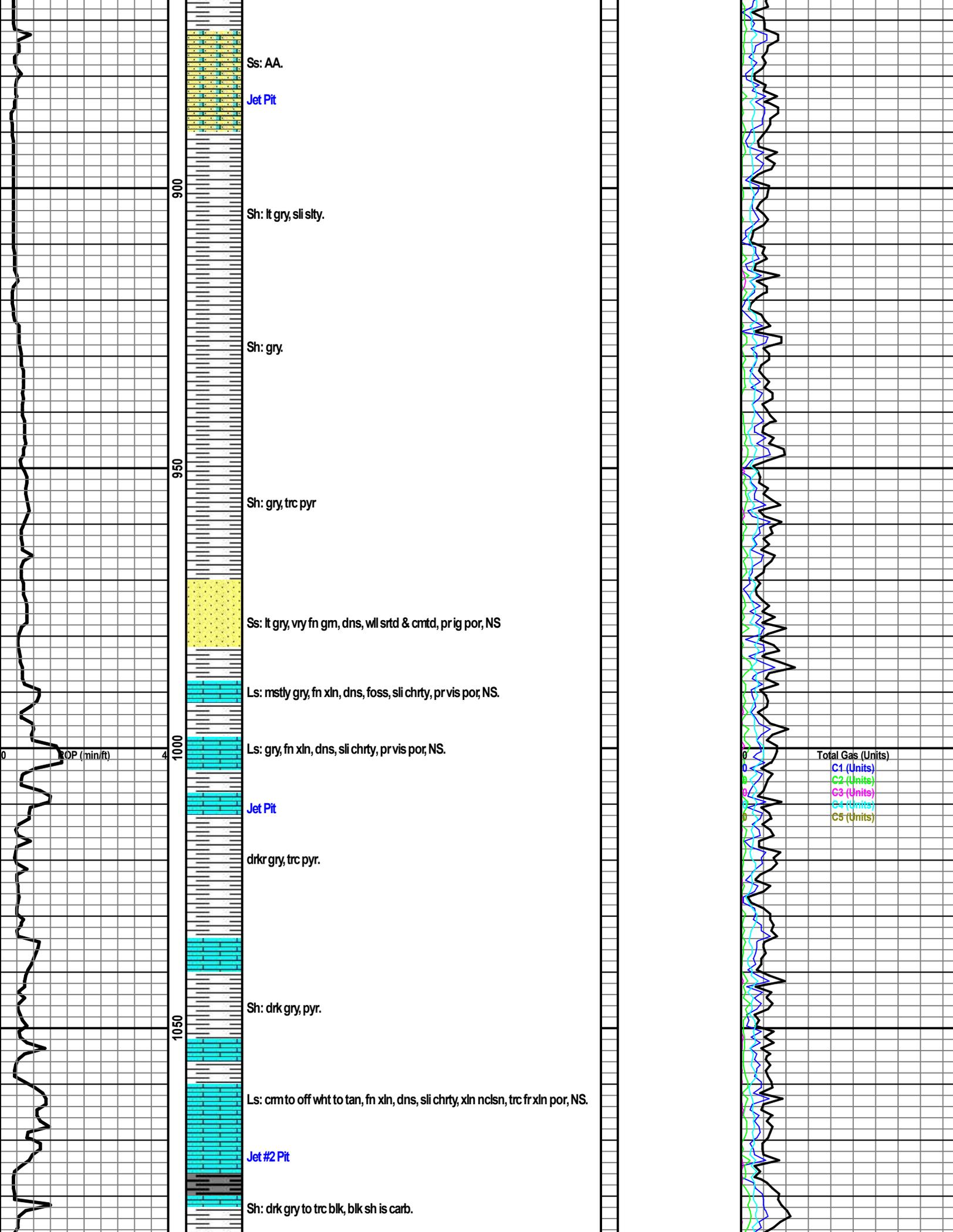
### OIL SHOW

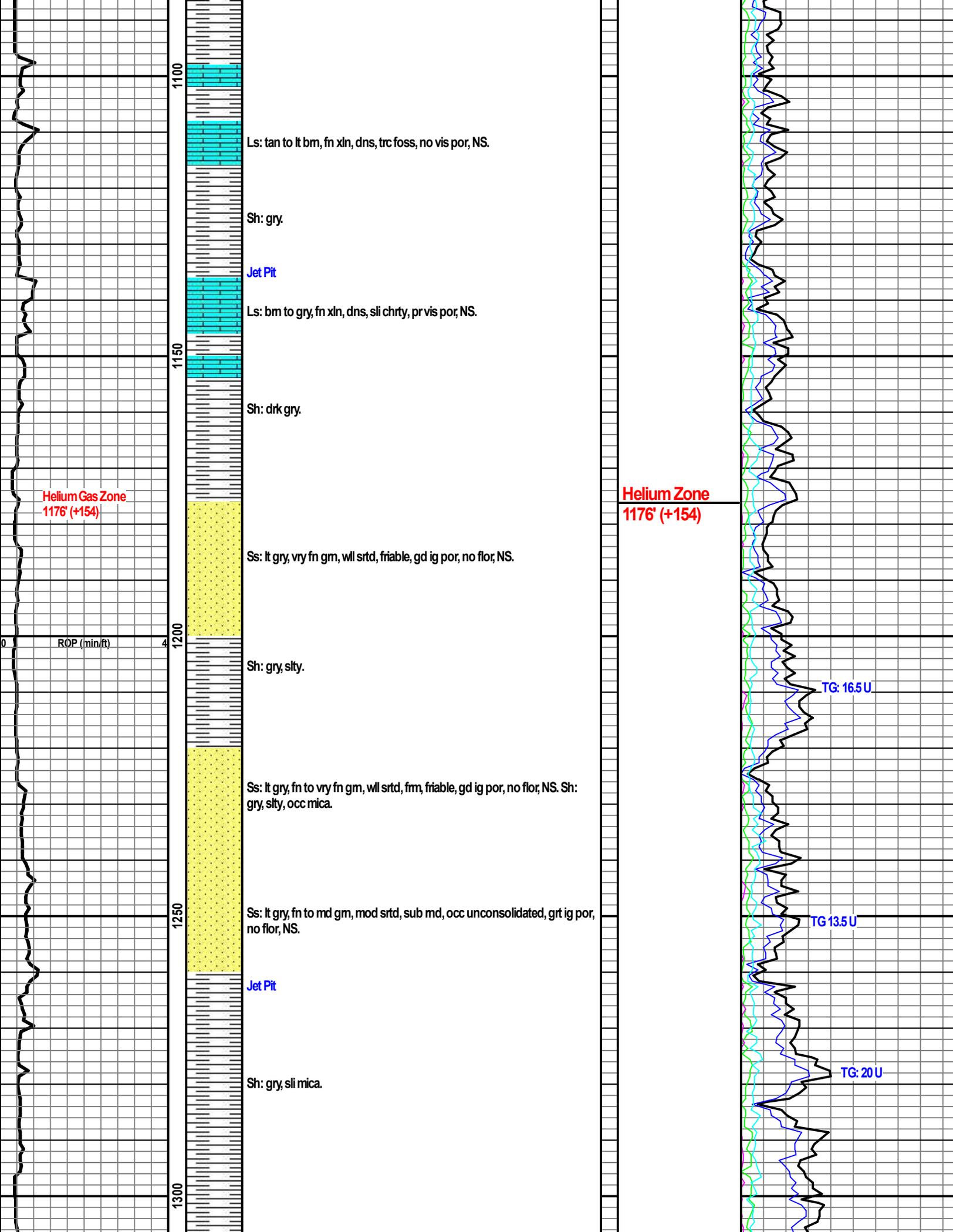
- Gas show
- Even
- Spotted
- Ques
- Dead

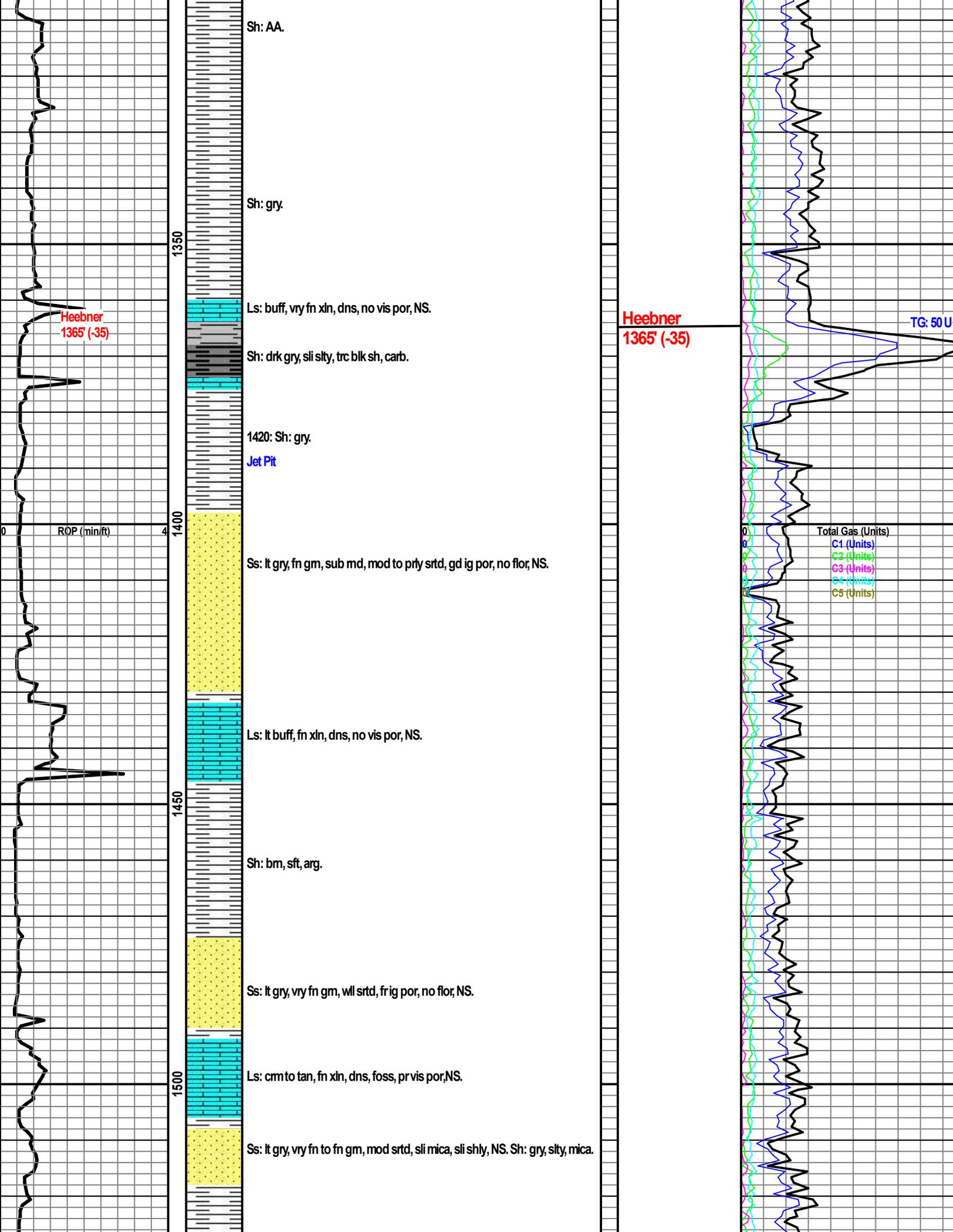


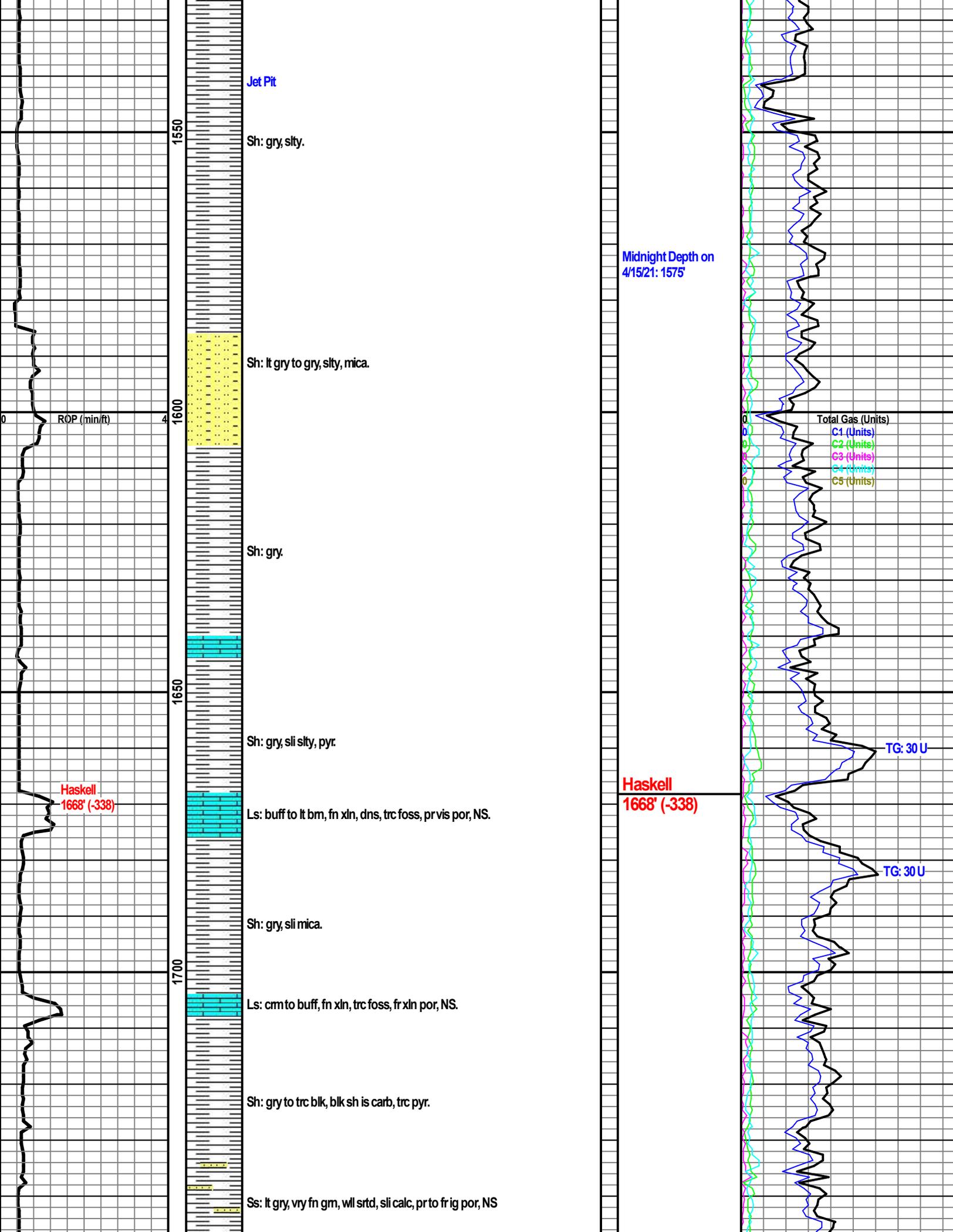


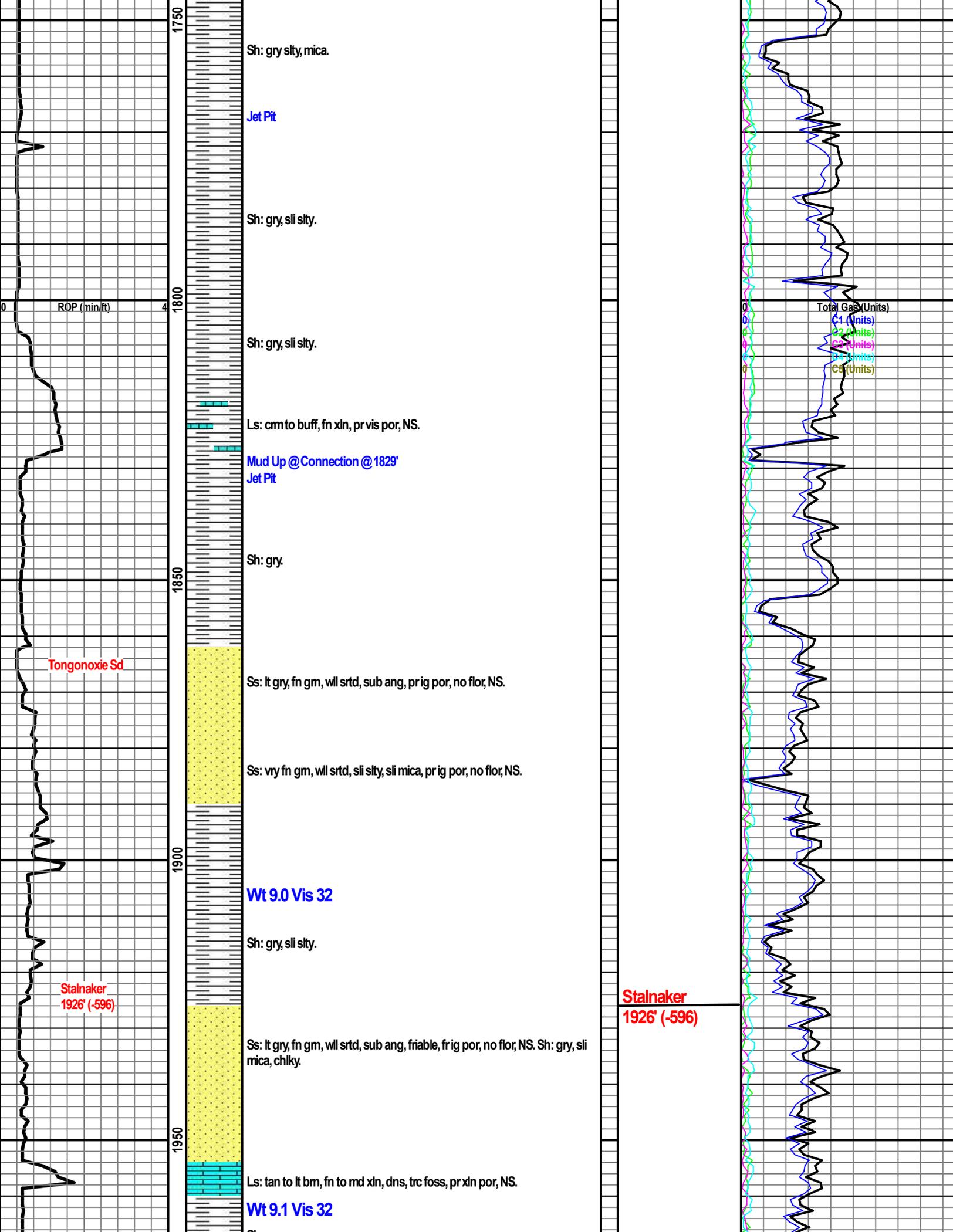


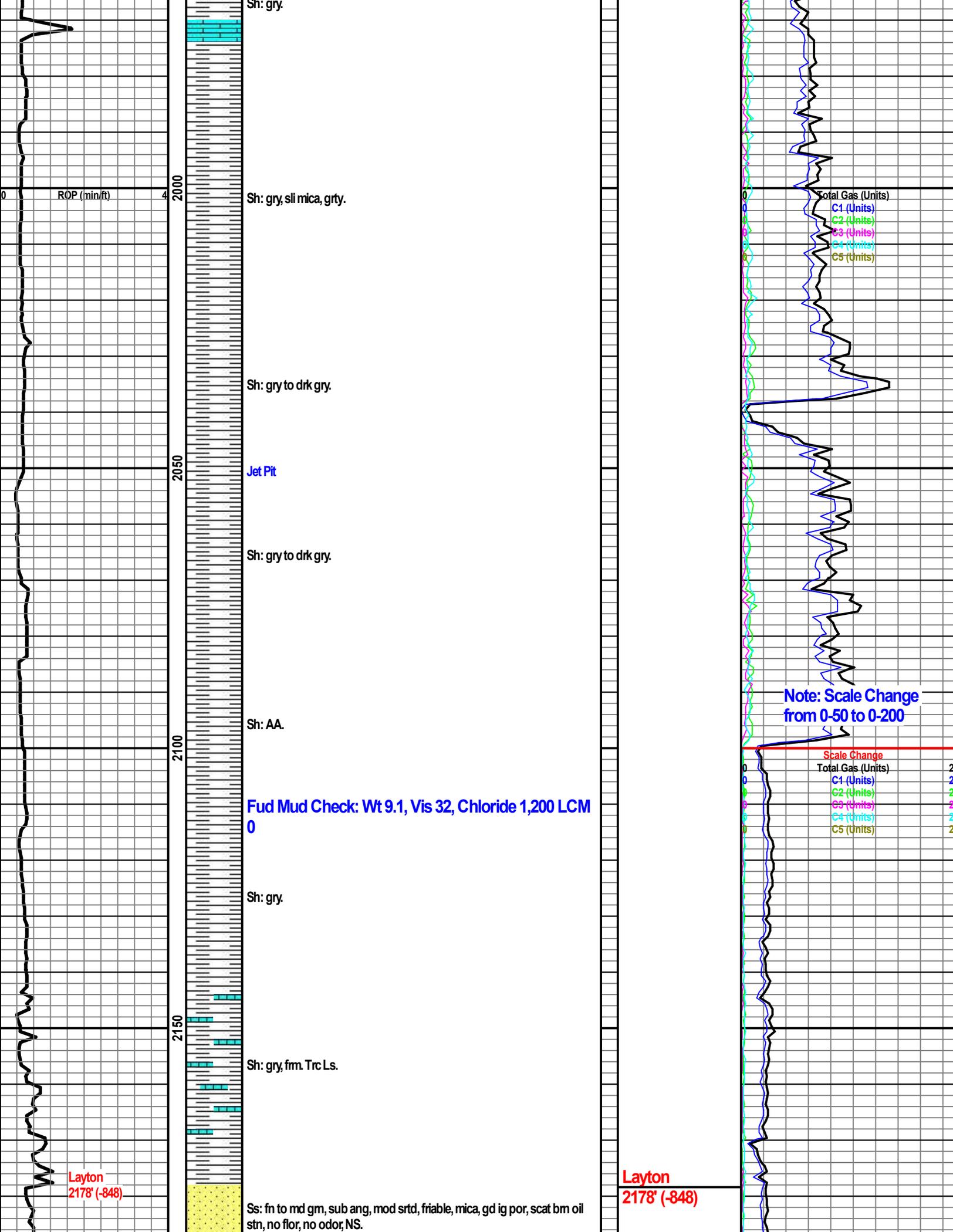












ROP (min/ft)

2000

Sh: gry.

Sh: gry, sli mica, grty.

Sh: gry to drk gry.

Jet Pit

Sh: gry to drk gry.

Sh: AA.

Fud Mud Check: Wt 9.1, Vis 32, Chloride 1,200 LCM  
0

Sh: gry.

2050

2100

2150

Sh: gry, frm. Trc Ls.

Layton  
2178' (-848)

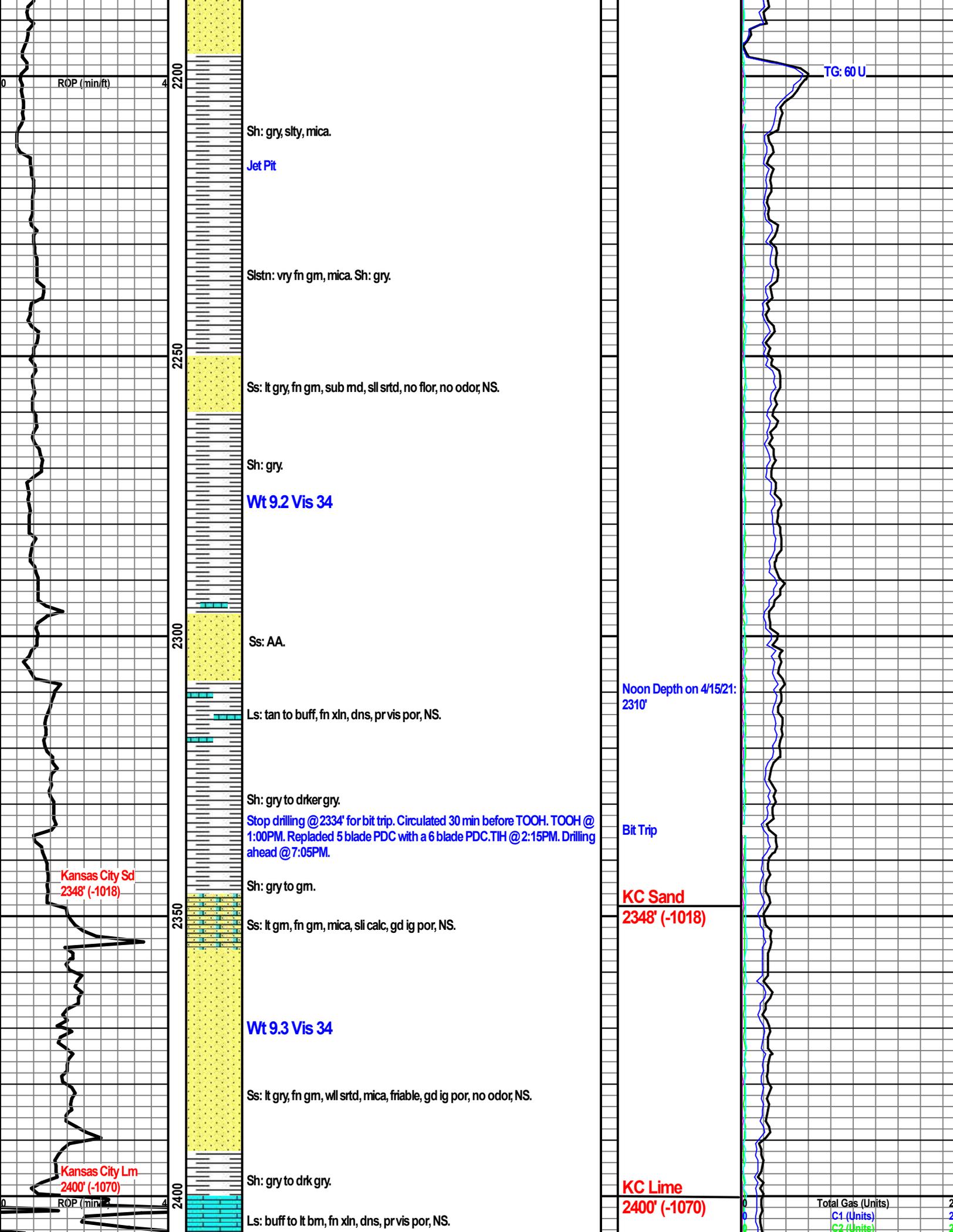
Sh: fm to md gm, sub ang, mod srted, friable, mica, gd ig por, scat bm oil  
stn, no flor, no odor, NS.

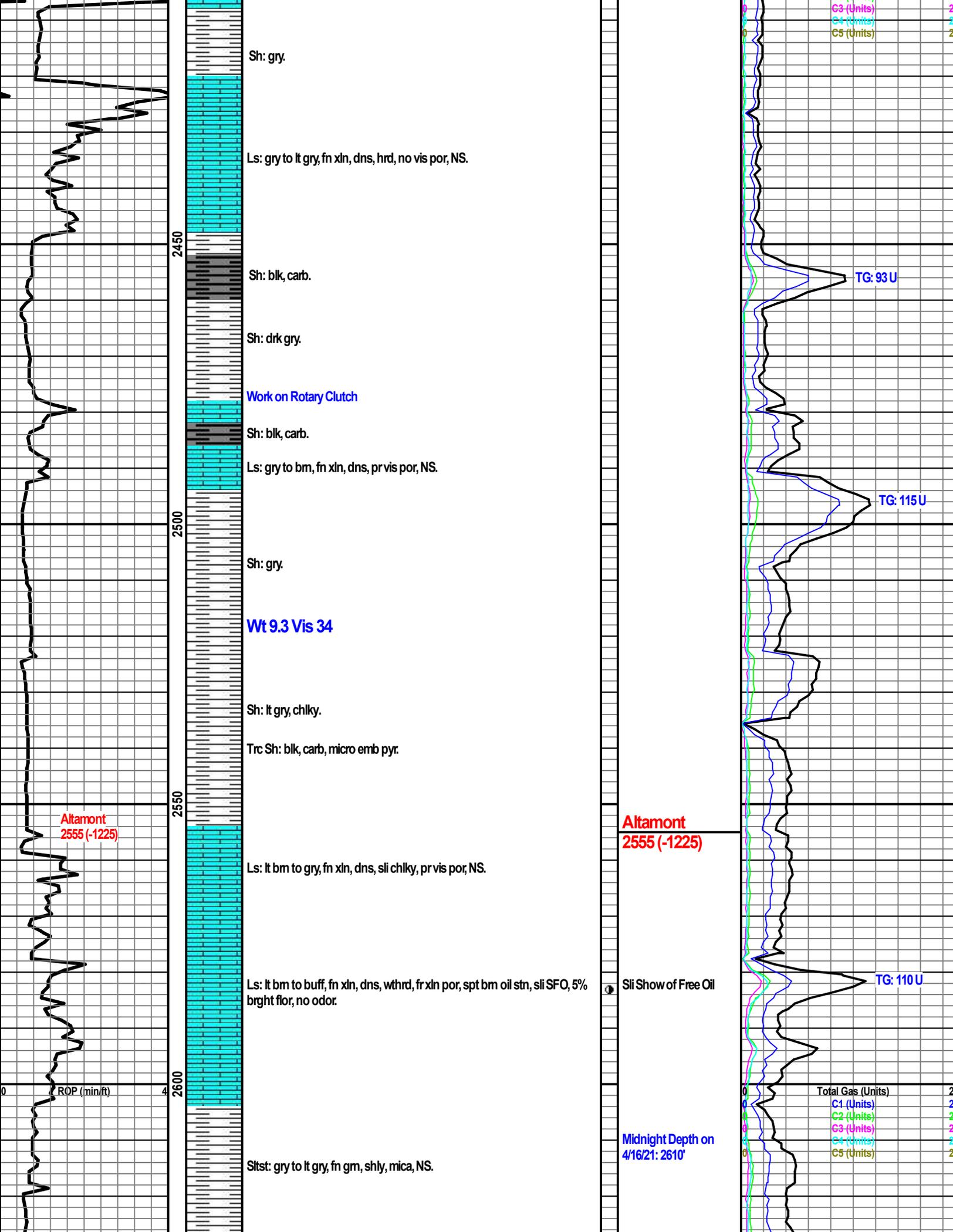
Total Gas (Units)  
C1 (Units)  
C2 (Units)  
C3 (Units)  
C4 (Units)  
C5 (Units)

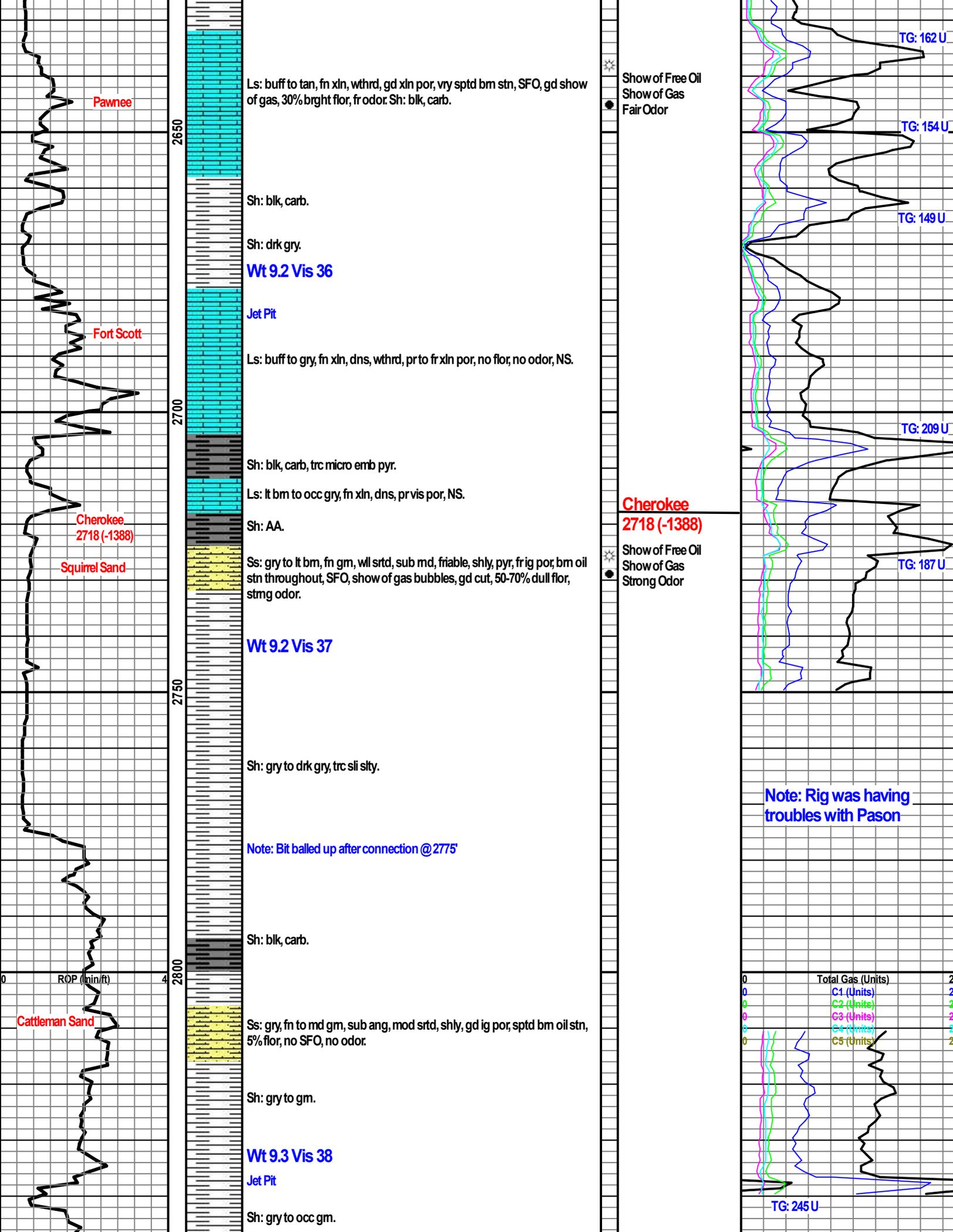
Note: Scale Change  
from 0-50 to 0-200

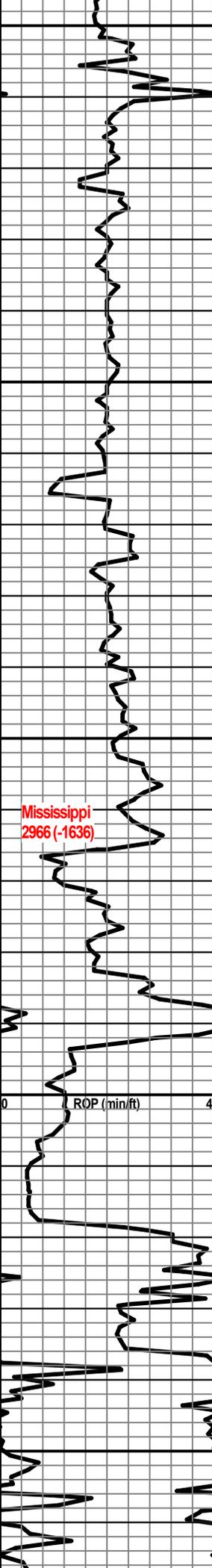
Scale Change  
Total Gas (Units)  
C1 (Units)  
C2 (Units)  
C3 (Units)  
C4 (Units)  
C5 (Units)

Layton  
2178' (-848)









2850  
2900  
2950  
3000  
3050

Sh: blk, carb.

Sltstn: lt gry, vry fn gm, NS.

Sh: gry to drk gry, pyr. Sh: blk, carb. Sltstn: lt gry, vry fn gm, NS.

Sh: blk, carb.

**Fud Mud Check: Wt 9.4, Vis 36, Chloride 1,200, LCM 0**

Sh: drk to drk gry to occ gm.

**Start 10' Wet & Dry Samples**

Sh: gry to off gm, slty, mica.

**Wt 9.1 Vis 41 LCM 1**

Sh: AA. Trc Ss, lt gry, fn gm, NS.

Mississippi  
2966 (-1636)

Cht: wht to buff, 50% wthrd & tripolitic, 50% frsh & sharp, gd tripolitic & xln por, sat oil stn, gd SFO, show of gas bubbles, 25% brght yllw flor, strg odor.

Cht: off wht to buff, mstly wthrd to sm frsh, shrp, trc tripolitic, gd xln por, oil stn throughout, sli SFO, scat brght yllw flor, fr odor.

Ls: lt gm to gry, dns, wthrd, earthy, chrty, gd interxn por, sptd stn, sli SFO, sptd brght flor, sli to fr odor.

Cht, wht to buff, mstly frsh & sharp, sm wthrd, pyr in fractures, fr xln por, oil stn on xl edge, sli SFO, sptd brght yllw flor, fr odor.

Cht: wht to buff, mstly whtrd, sm frsh, pyr, gd tripolitic & xln por, trc pnprt por, oil stn throughout on xl edge, gd SFO, show of gas bubbles, 5% brght yllw flor, strng odor.

Ls: mstly gry to lt bm, md xln, hgly wthrd, earthy, chrty, gd xln por, trc stn, sli SFO, sptd flor, ft odor. Trc Cht: blue to wht, frsh, shrp, hrd, trc stn on xln edge.

Ls: AAw/ no shows.

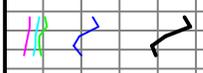
Ls: lt bm to gry, fn xln, dns, wthrd, chrty, pyr, pr vis por, no flor, no odor, NS.

Ls: AA.

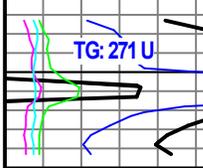
**Wt 9.3 Vis 38 LCM 1**

Ls: mstly lt bm, vry fn xln, dns, hrd, chrty, pr vis por, no flor, no odor, NS.

ROP (min/ft)



Note: Rig was having troubles with Pason



Note: Rig was having troubles with Pason

Noon Depth on 4/16/21:  
2965'

Mississippi  
2966 (-1636)

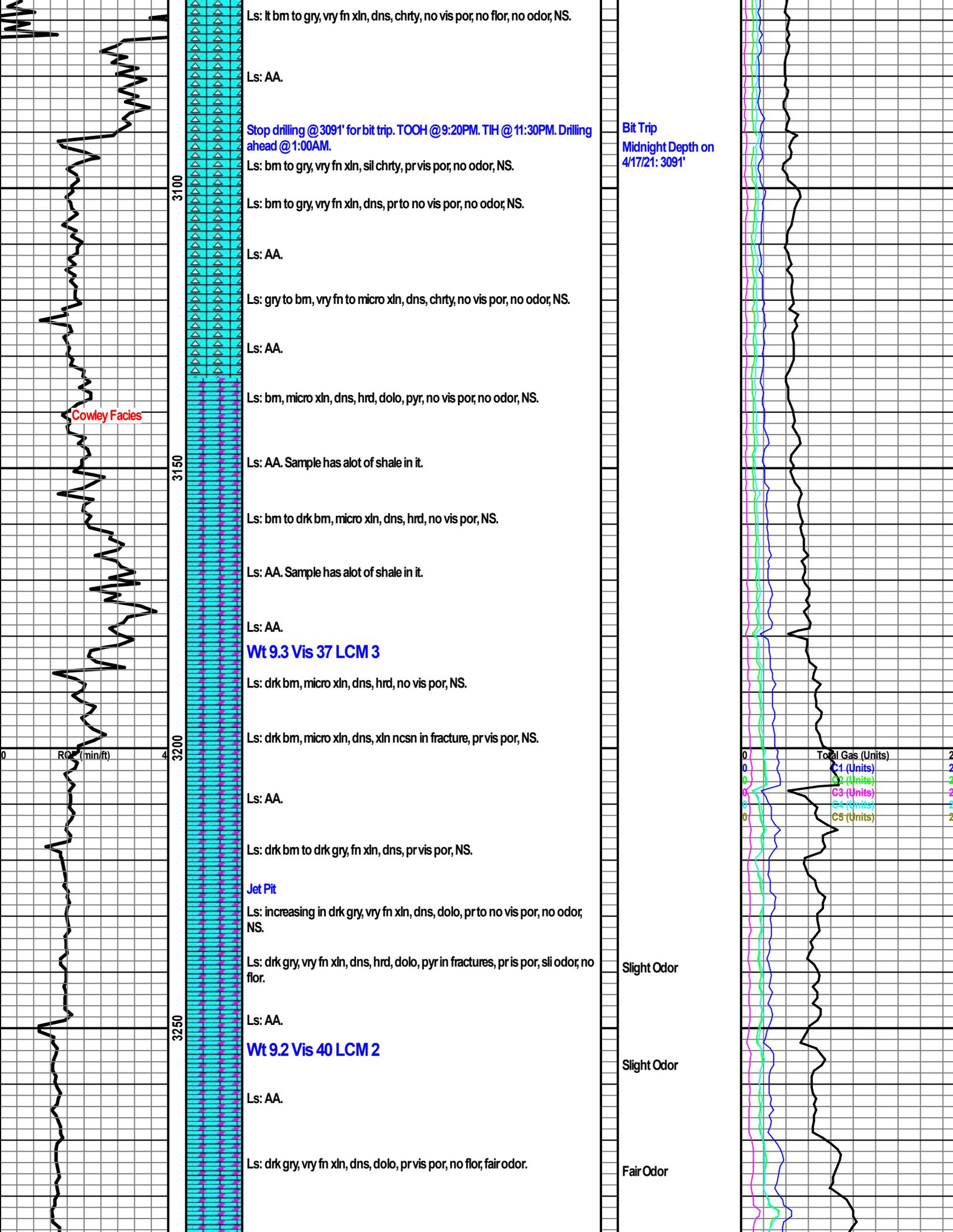
Good Show of Free Oil  
Strong Odor

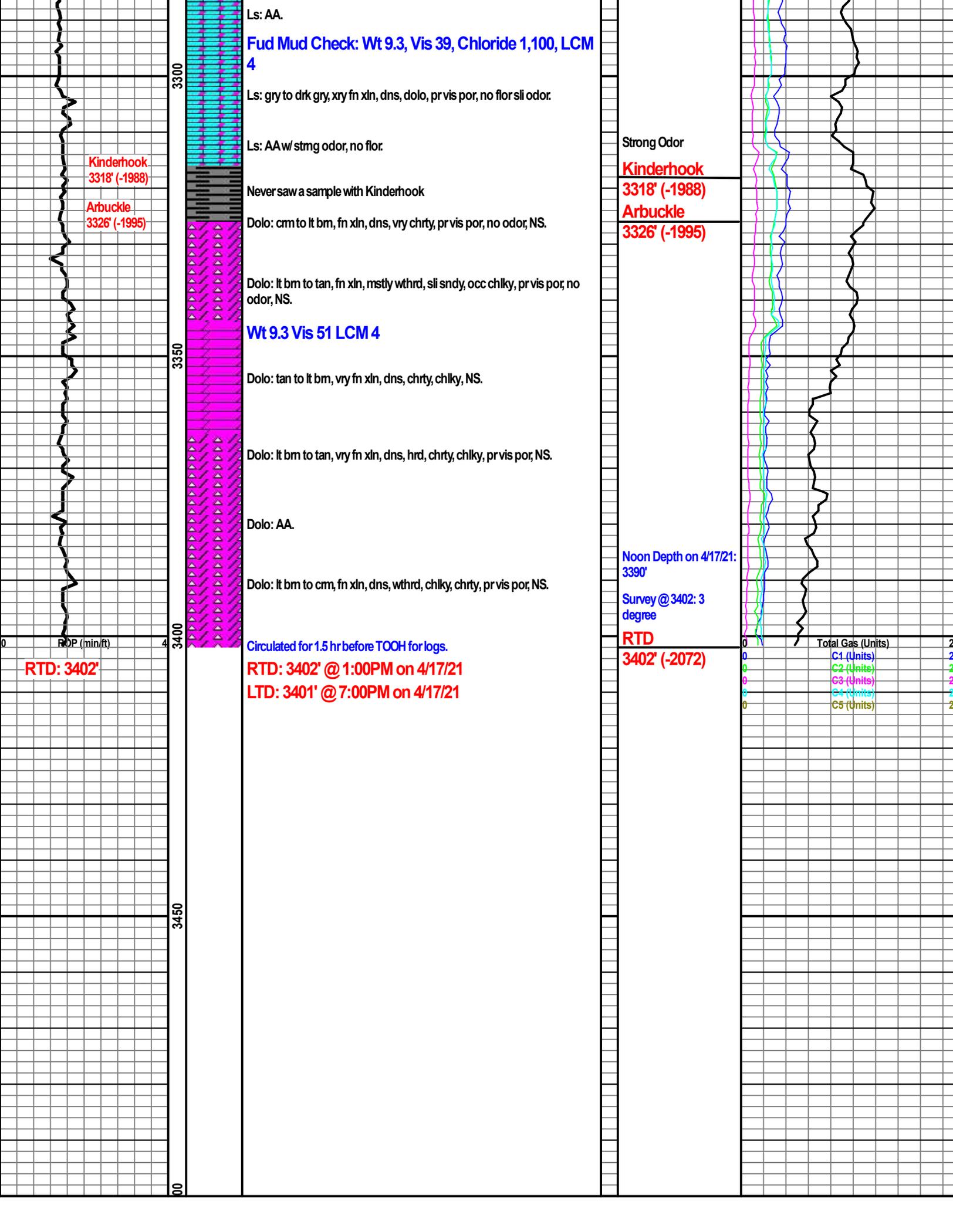
Show of Free Oil  
Show of Gas  
Strong Odor

Show of Free Oil  
Faint Odor

TG: 104 U

TG: 90 U





Ls: AA.

**Fud Mud Check: Wt 9.3, Vis 39, Chloride 1,100, LCM 4**

Ls: gry to drk gry, xry fn xln, dns, dolo, pr vis por, no florsli odor.

Ls: AAw/ stmg odor, no flor.

Never saw a sample with Kinderhook

Dolo: cm to lt bm, fn xln, dns, vry chrty, pr vis por, no odor, NS.

Dolo: lt bm to tan, fn xln, mstly wthrd, sli sndy, occ chlky, pr vis por, no odor, NS.

**Wt 9.3 Vis 51 LCM 4**

Dolo: tan to lt bm, vry fn xln, dns, chrty, chlky, NS.

Dolo: lt bm to tan, vry fn xln, dns, hrd, chrty, chlky, pr vis por, NS.

Dolo: AA.

Dolo: lt bm to cm, fn xln, dns, wthrd, chlky, chrty, pr vis por, NS.

Circulated for 1.5 hr before TOOH for logs.

**RTD: 3402' @ 1:00PM on 4/17/21**

**LTD: 3401' @ 7:00PM on 4/17/21**

Strong Odor

**Kinderhook**

**3318' (-1988)**

**Arbuckle**

**3326' (-1995)**

Noon Depth on 4/17/21:  
3390'

Survey @ 3402: 3  
degree

**RTD**

**3402' (-2072)**

Total Gas (Units)

C1 (Units)

C2 (Units)

C3 (Units)

C4 (Units)

C5 (Units)

**RTD: 3402'**

**Kinderhook**  
**3318' (-1988)**

**Arbuckle**  
**3326' (-1995)**

ROP (min/ft)

3300  
3350  
3400  
3450  
00

0  
0  
0  
0  
0

2  
2  
2  
2  
2