

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 | Val Energy, Inc. |
| Well Name | BRADLEY 1-1 |
| Doc ID | 1575666 |

Perforations

| Shots Per Foot | Perforation Top | Perforation Bottom | BridgePlugType | BridgePlugSet At | Material Record |
|----------------|-----------------|--------------------|----------------------------|------------------|-----------------|
| 1 | 3206 | 3218 | | | |
| 1 | 3262 | 3270 | | | |
| 1 | 3292 | 3300 | | | |
| | | | CIBP Cast Iron Bridge Plug | 3150 | |
| 1 | 2966 | 2970 | | | |
| 1 | 2974 | 2979 | | | |
| 1 | 3003 | 3014 | | | |

Elite Cementing & Acidizing of KS, LLC
 PO Box 92
 Eureka, KS 67045



| | |
|-----------|-----------|
| Date | Invoice # |
| 4/19/2021 | 5521 |

| | |
|---|------|
| Bill To | |
| Val Energy Inc. 125 N. Market St., Suite 1110 Wichita, KS 67202 | |
| Customer ID# | 1217 |

| | |
|-------------------|-----------|
| Job Date | 4/18/2021 |
| Lease Information | |
| Bradley #1-1 | |
| County | Cowley |
| Foreman | DG |

| Item | Description | Qty | Rate | Amount |
|-------|--------------------------------|-----|----------|-----------|
| C102 | Cement Pump-Longstring | 1 | 1,100.00 | 1,100.00 |
| C107 | Pump Truck Mileage (one way) | 60 | 4.20 | 252.00 |
| C201 | Thick Set Cement | 150 | 20.50 | 3,075.00T |
| C207 | KolSeal | 750 | 0.47 | 352.50T |
| C208 | Pheno Seal | 300 | 1.30 | 390.00T |
| C108B | Ton Mileage-per mile (one way) | 495 | 1.40 | 693.00 |
| C661 | 5 1/2" AFU Float Shoe | 1 | 309.00 | 309.00T |
| C604 | 5 1/2" Cement Basket | 1 | 236.00 | 236.00T |
| C504 | 5 1/2" Centralizer | 6 | 50.00 | 300.00T |
| C421 | 5 1/2" Latch Down Plug | 1 | 242.00 | 242.00T |
| C222 | KCL | 5 | 30.00 | 150.00T |
| D101 | Discount on Services | | -102.25 | -102.25 |
| D102 | Discount on Materials | | -252.73 | -252.73T |

We appreciate your business!

| | | |
|--------------|--------------|-------------------------|
| Phone # | Fax # | E-mail |
| 620-583-5561 | 620-583-5524 | rene@elitecementing.com |

Send payment to:
 Elite Cementing & Acidizing of KS, LLC
 PO Box 92
 Eureka, KS 67045

| | |
|-------------------------|------------|
| Subtotal | \$6,744.52 |
| Sales Tax (6.5%) | \$312.12 |
| Total | \$7,056.64 |
| Payments/Credits | \$0.00 |
| Balance Due | \$7,056.64 |

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **5521**
 Foreman David Gardner
 Camp Eureka

API # 15-035-24734

| Date | Cust. ID # | Lease & Well Number | Section | Township | Range | County | State |
|---|------------|---------------------|--------------------|----------|--------------------------|--------|------------------|
| 4-18-21 | 1217 | Bradley #1-1 | 1 | 34 S. | 6 E. | Cowley | KS |
| Customer <u>Val Energy Inc.</u> | | | Unit # 105 | | Driver Zevi | | Unit # Driver |
| Mailing Address <u>125 N. Market St. Ste. 1110</u> | | | 114 | | Steve | | |
| City <u>Wichita</u> | | | State <u>KS</u> | | Zip Code <u>67202</u> | | |

Safety Meeting
 D6
 ZA
 SM

Job Type Longstring Hole Depth 3402' KB. Slurry Vol. 41 Bbl Tubing _____
 Casing Depth 3389' G.L. Hole Size 7 7/8" Slurry Wt. 13.8" Drill Pipe _____
 Casing Size & Wt. 5 1/2" Cement Left in Casing A Water Gal/SK 9.0 Other _____
 Displacement 83 Bbl Displacement PSI 850 Bump Plug to 1250 PSI BPM 5

Remarks: Safety Meeting. 5 1/2" used casing set @ 3389' G.L. Rig up to 5 1/2" casing. Break circulation w/ 10 Bbl fresh water. Mixed 125 sks Thick Set Cement w/ 5" Kolseal/sk, 2" Phenoseal/sk @ 13.8"/gal, yield 1.85 = 41 Bbl slurry. Wash out pump & lines. Shut down. Release 5 1/2" Latch down plug. Displace plug to seat w/ 83 Bbl fresh water. (1st 40 Bbl w/ KCL). Final pumping pressure of 850 PSI. Bump plug to 1250 PSI. Wait 2 mins. Release pressure. Float + Plug held. Good circulation @ all times while cementing. Job Complete. Rig down.

Plug Rathole & Mouse hole.
Centralizers on # 4, 6, 8, 10, 12, 14 Basket on # 2.

| Code | Qty or Units | Description of Product or Services | Unit Price | Total |
|------------------|------------------|--|----------------|----------|
| C102 | 1 | Pump Charge | 1100.00 | 1100.00 |
| C107 | 60 | Mileage | 4.20 | 252.00 |
| C201 | 150 sks | Thick Set Cement | 20.50 | 3075.00 |
| C207 | 750 [#] | Kolseal 5 [#] /sk | .47 | 352.50 |
| C208 | 300 [#] | Phenoseal 2 [#] /sk | 1.30 | 390.00 |
| C108B | 8.25 Tons | Ton Mileage - Bulk Truck | 1.40 | 693.00 |
| C601 | 1 | 5 1/2" AFU Float Shoe | 309.00 | 309.00 |
| C604 | 1 | 5 1/2" Cement Basket | 236.00 | 236.00 |
| C504 | 6 | 5 1/2" x 7 7/8" Centralizers | 50.00 | 300.00 |
| C421 | 1 | 5 1/2" Latch Down Plug | 242.00 | 242.00 |
| C222 | 5 gals | KCL (In 1st 40 Bbl Displacement water) | 30.00 | 150.00 |
| <u>Thank You</u> | | | | |
| | | | Sub Total | 7,099.50 |
| | | | Less 5% | 371.40 |
| | | | 6.5% Sales Tax | 328.54 |

Authorization by Rick Title Co/Rep. Total 7,056.64

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

Elite Cementing & Acidizing of KS, LLC
 PO Box 92
 Eureka, KS 67045



| | |
|-----------|-----------|
| Date | Invoice # |
| 4/19/2021 | 5516 |

| | |
|---|------|
| Bill To | |
| Val Energy Inc. 125 N. Market St., Suite 1110 Wichita, KS 67202 | |
| Customer ID# | 1217 |

| | |
|-------------------|-----------|
| Job Date | 4/13/2021 |
| Lease Information | |
| Bradley #1-1 | |
| County | Cowley |
| Foreman | DG |

| Item | Description | Qty | Terms | Net 15 |
|-------|--------------------------------|-------|---------|-----------|
| | | | Rate | Amount |
| C101 | Cement Pump-Surface | 1 | 890.00 | 890.00 |
| C107 | Pump Truck Mileage (one way) | 60 | 4.20 | 252.00 |
| C200 | Class A Cement-94# sack | 185 | 15.75 | 2,913.75T |
| C205 | Calcium Chloride | 520 | 0.63 | 327.60T |
| C206 | Gel Bentonite | 350 | 0.21 | 73.50T |
| C209 | Flo-Seal | 45 | 2.35 | 105.75T |
| C108B | Ton Mileage-per mile (one way) | 521.4 | 1.40 | 729.96 |
| D101 | Discount on Services | | -93.60 | -93.60 |
| D102 | Discount on Materials | | -171.02 | -171.02T |

We appreciate your business!

| | | |
|--------------|--------------|-------------------------|
| Phone # | Fax # | E-mail |
| 620-583-5561 | 620-583-5524 | rene@elitecementing.com |

Send payment to:
 Elite Cementing & Acidizing of KS, LLC
 PO Box 92
 Eureka, KS 67045

| | |
|-------------------------|------------|
| Subtotal | \$5,027.94 |
| Sales Tax (6.5%) | \$211.22 |
| Total | \$5,239.16 |
| Payments/Credits | \$0.00 |
| Balance Due | \$5,239.16 |

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **5516**
 Foreman David Gardner
 Camp Eureka

API # 15-035-24734

| Date | Cust. ID # | Lease & Well Number | Section | Township | Range | County | State | |
|---|------------|---------------------|----------------------------------|----------|--------------------------|--------------|--------|--------|
| 4-13-21 | 1217 | Bradley # 1-1 | 1 | 34 S. | 6 E. | Cowley | KS | |
| Customer <u>Val Energy Inc.</u> | | | Safety Meeting DG JH JV | | Unit # | Driver | Unit # | Driver |
| Mailing Address <u>125 N. Market St. Ste. 1110</u> | | | | | <u>105</u> | <u>Jason</u> | | |
| City <u>Wichita</u> | | | State <u>KS</u> | | Zip Code <u>67202</u> | | | |
| | | | | | <u>115</u> | <u>Josh</u> | | |

Job Type Surface Hole Depth 316' Slurry Vol. 47 Bbl Tubing _____
 Casing Depth 301' Hole Size 12 1/4" Slurry Wt. 15" Drill Pipe _____
 Casing Size & Wt. 8 5/8" 24" Cement Left in Casing 15' +/- Water Gal/SK _____ Other _____
 Displacement 19 Bbl Displacement PSI _____ Bump Plug to _____ BPM _____

Remarks: Safety Meeting. Rig up to 8 5/8" casing. Break circulation w/ 10 Bbl fresh water. Mixed 185 sks Class 'A' Cement w/ 3% cacl2, 2% Gel, 1/4" Flosral/sk @ 15"/gal, yield 1.42 = 47 Bbl slurry. Displace w/ 19 Bbl fresh water. Shut down. Close casing in. Good circulation @ all times. Good cement returns to surface = 20 Bbl slurry to pit. Job complete. Rig down.

| Code | Qty or Units | Description of Product or Services | Unit Price | Total |
|--|------------------|------------------------------------|----------------|----------|
| C101 | 1 | Pump Charge | 890.00 | 890.00 |
| C107 | 60 | Mileage | 4.20 | 252.00 |
| C200 | 185 sks | Class 'A' Cement | 15.75 | 2913.75 |
| C205 | 520 [#] | Cacl2 3% | .63 | 327.60 |
| C206 | 350 [#] | Gel 2% | .21 | 73.50 |
| C209 | 45 [#] | Flosral 1/4"/sk | 2.35 | 105.75 |
| C108B | 8.69 Tons | Ton Mileage - Bulk Truck | 1.40 | 729.96 |
| <u>Thank You</u> | | | | |
| | | | Sub Total | 5,292.56 |
| | | | Less 5% | 275.74 |
| | | | 6.5% Sales Tax | 222.34 |
| Authorization <u>by Sudd Gulick</u> Title <u>Tool Pusher</u> | | | Total | 5,239.16 |

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

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

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




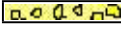





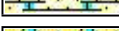




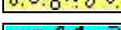
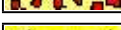

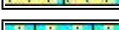
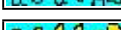


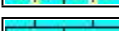
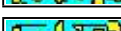



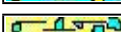












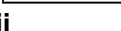
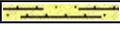

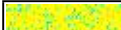



C&G Drilling Inc. 701 E River St. Eureka, KS 67045-2100

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

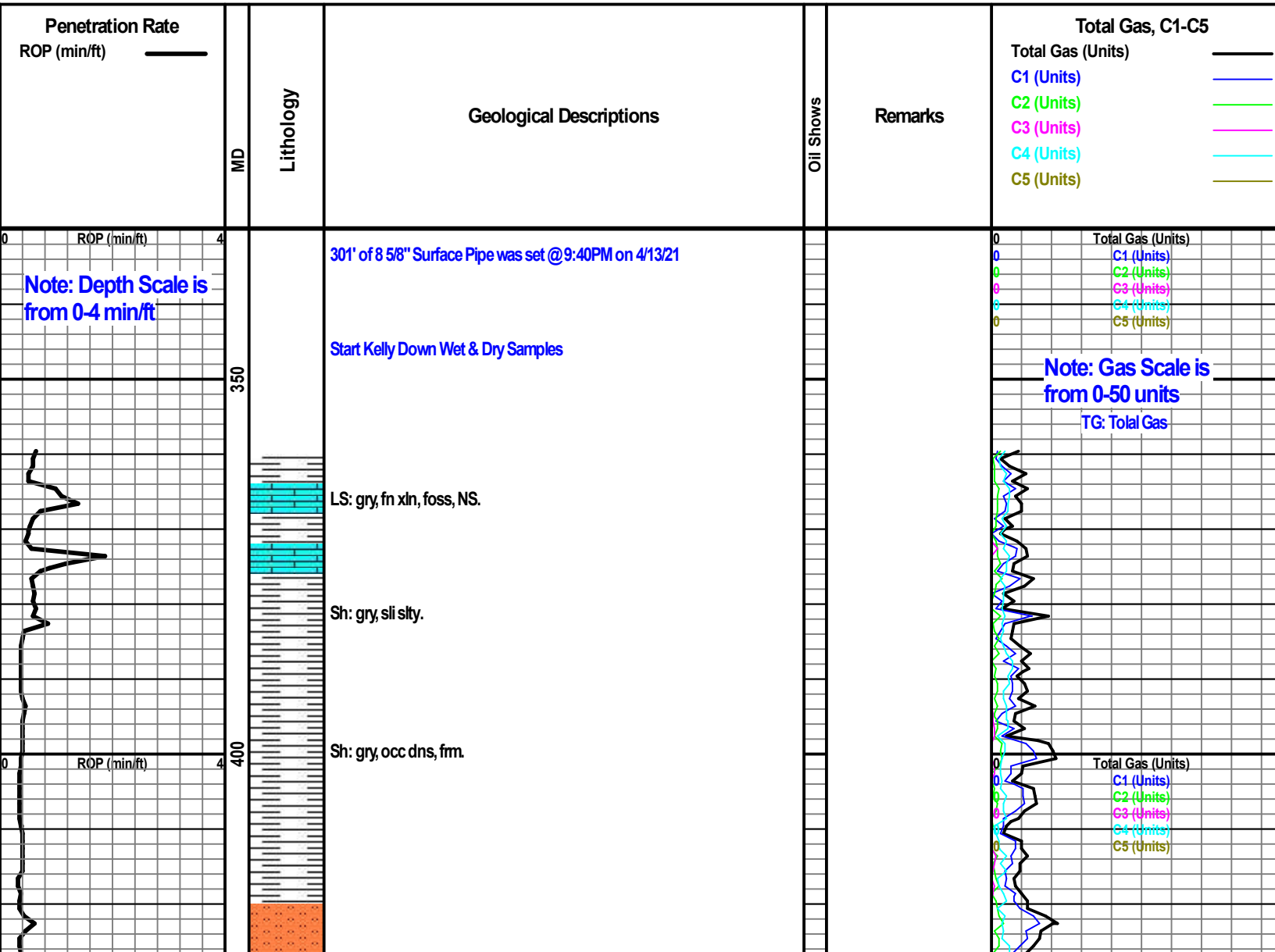
- Sandy ls str
- Shale
- Siltstone
- Sandstone

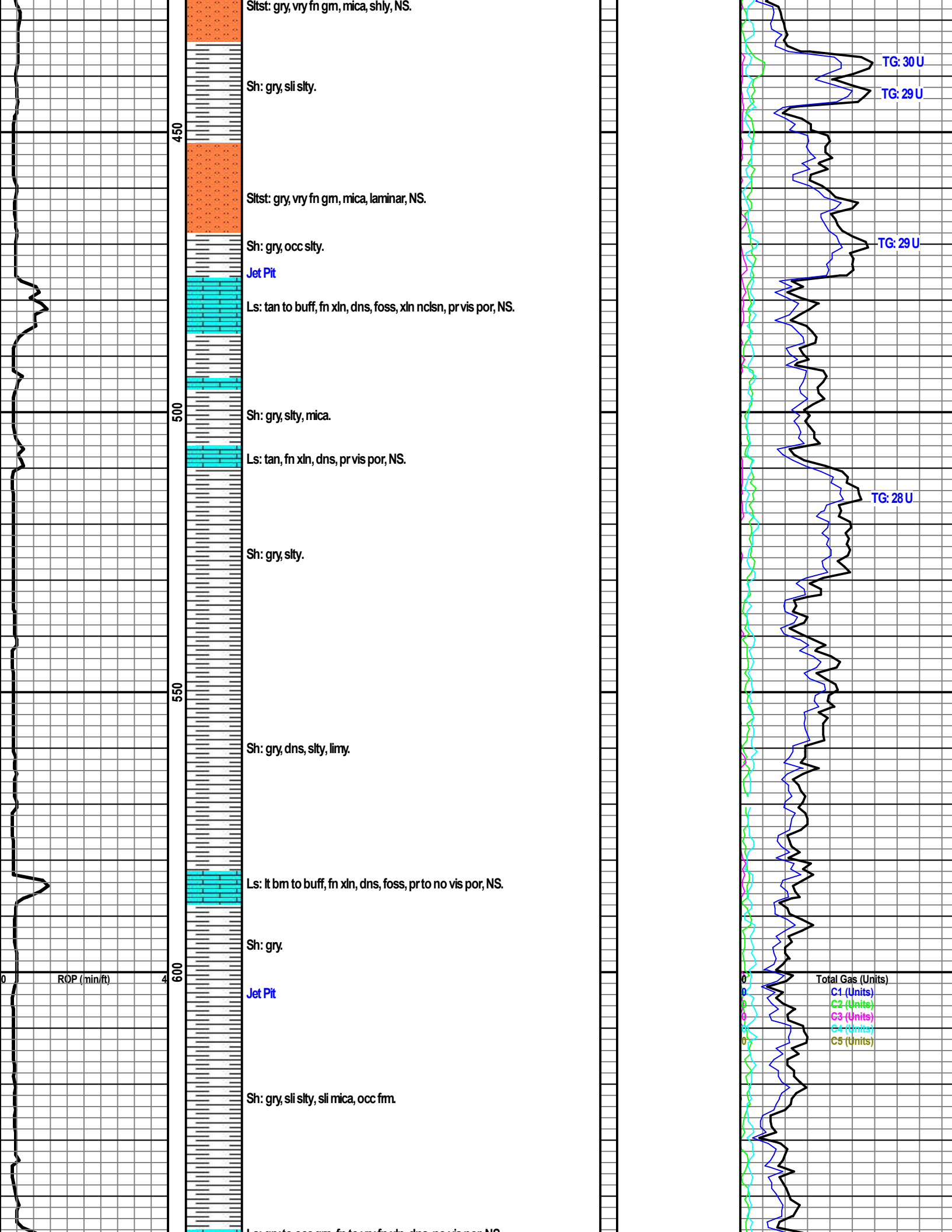
TEXTURE

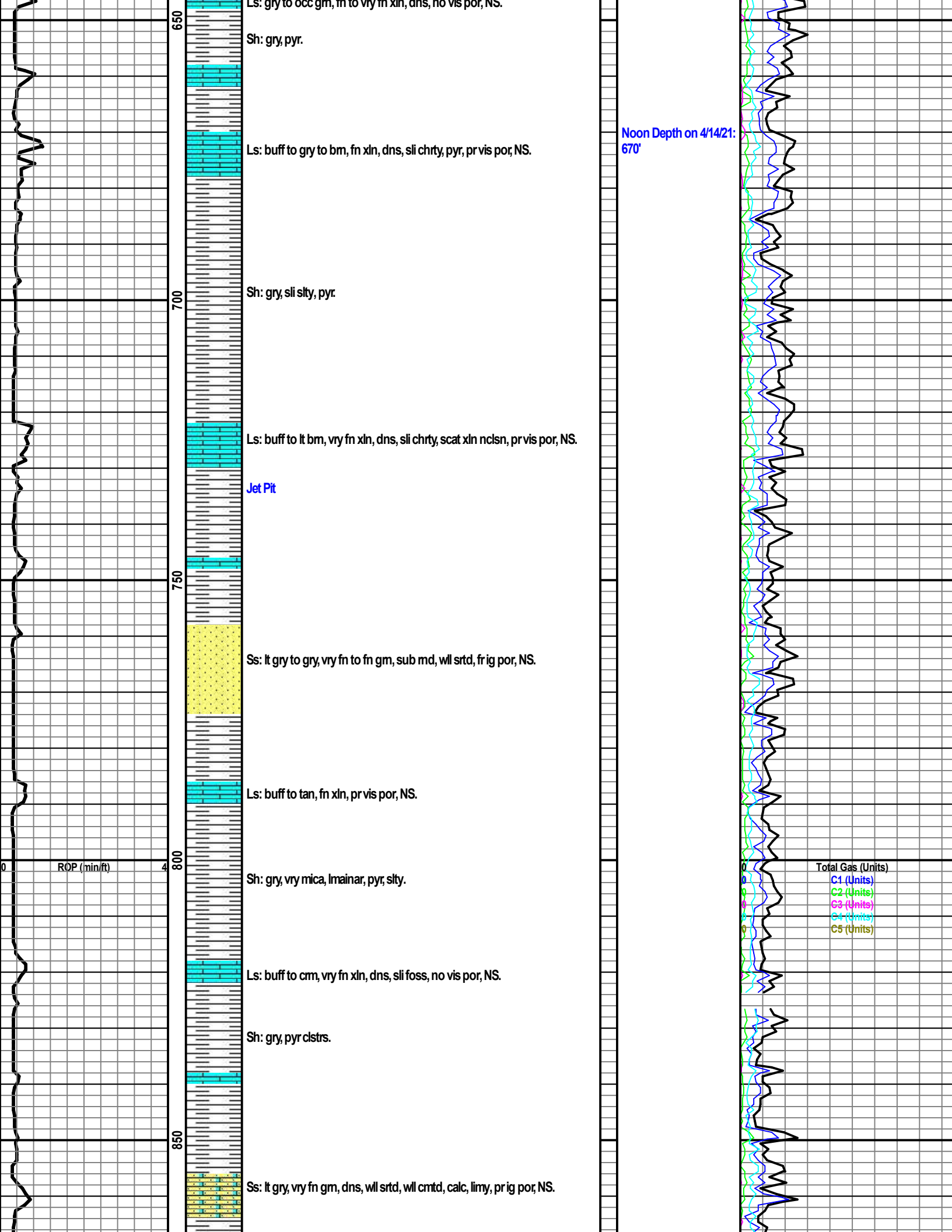
- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

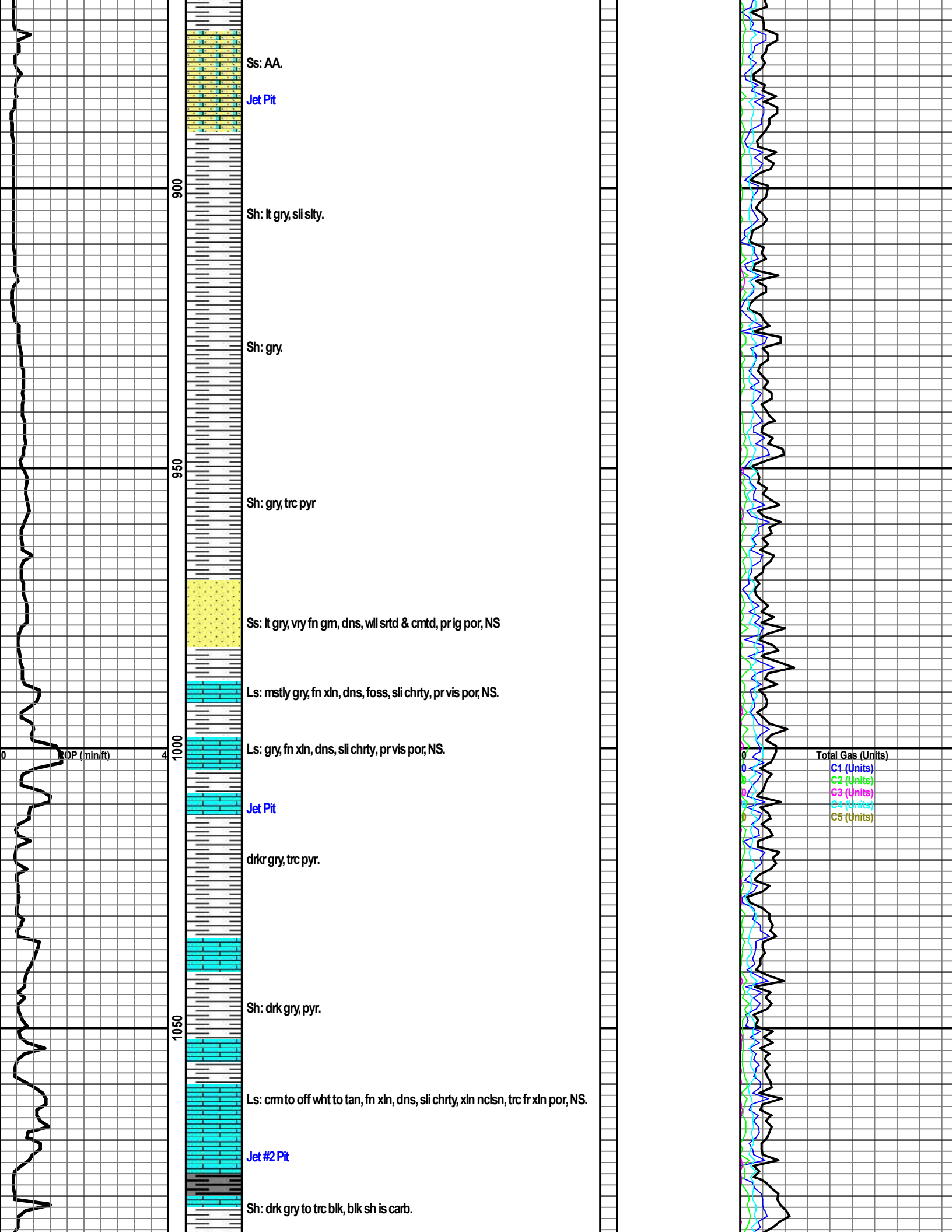
OIL SHOW

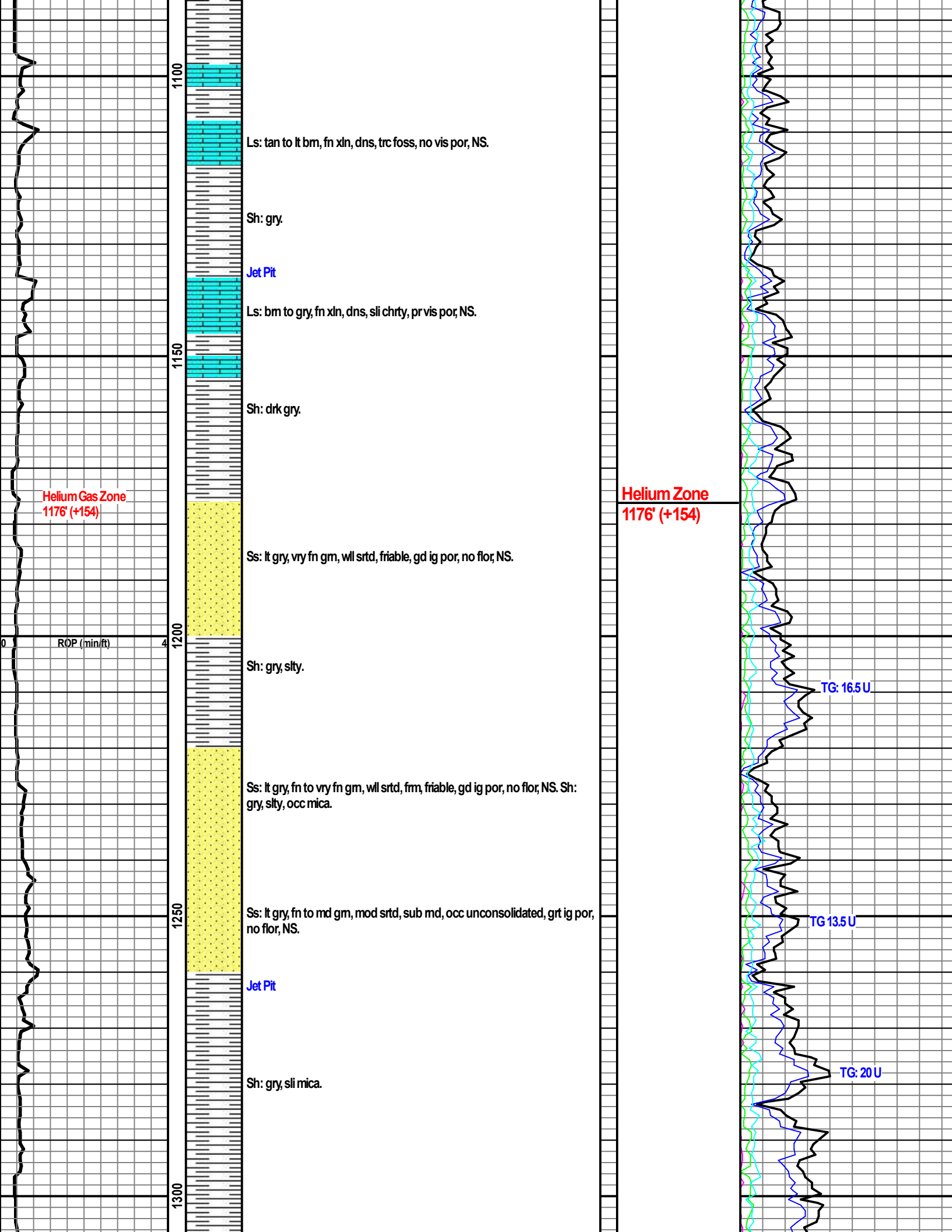
- Gas show
- Even
- Spotted
- Ques
- Dead

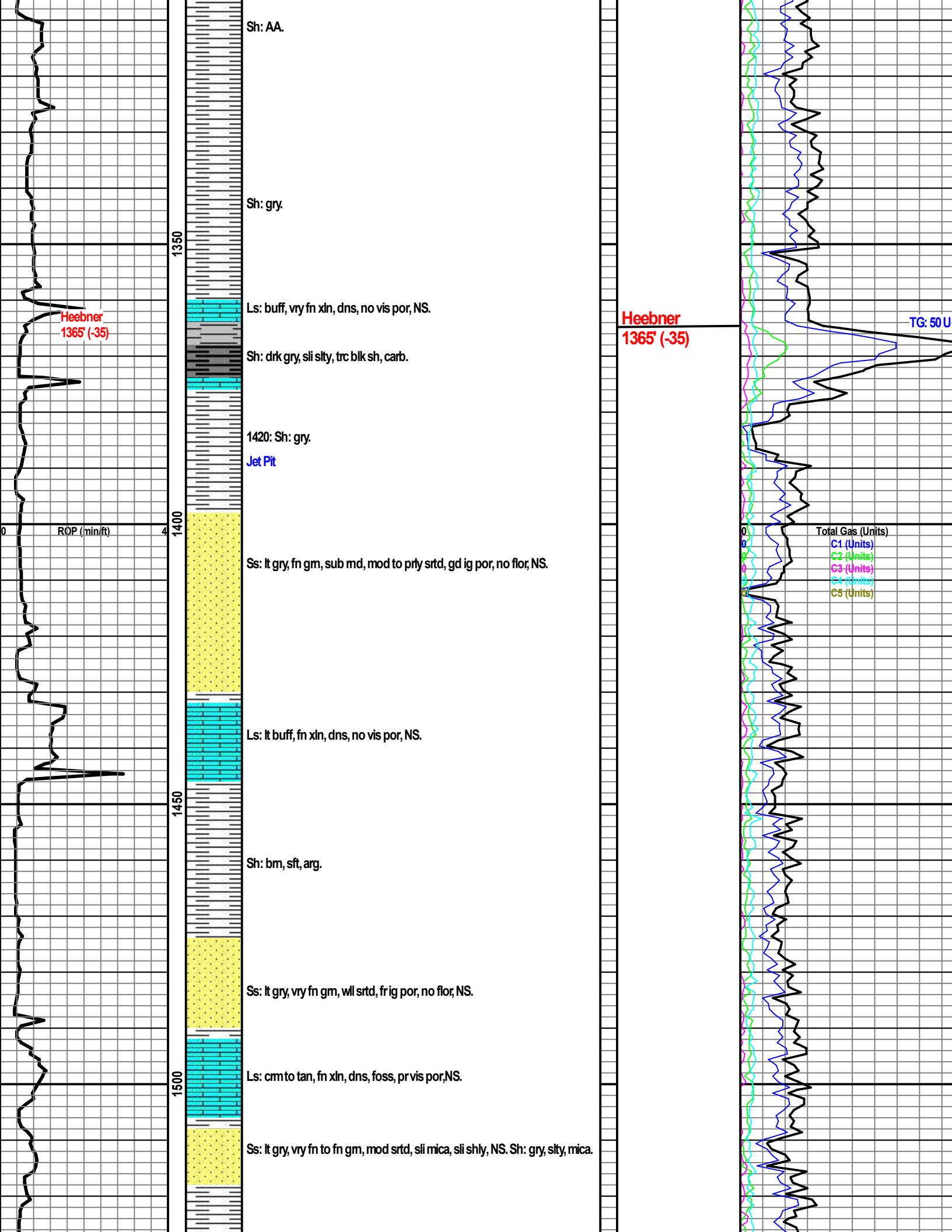


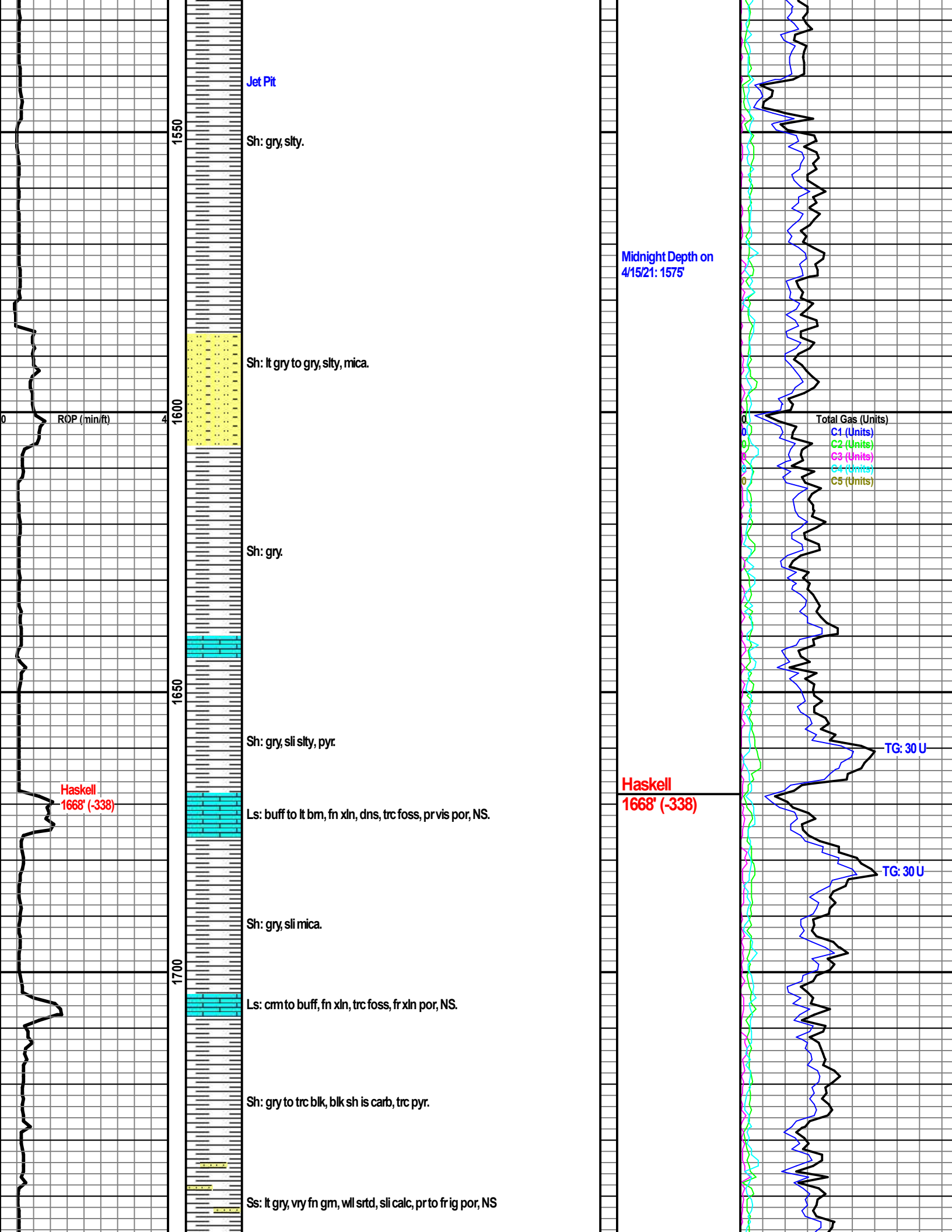


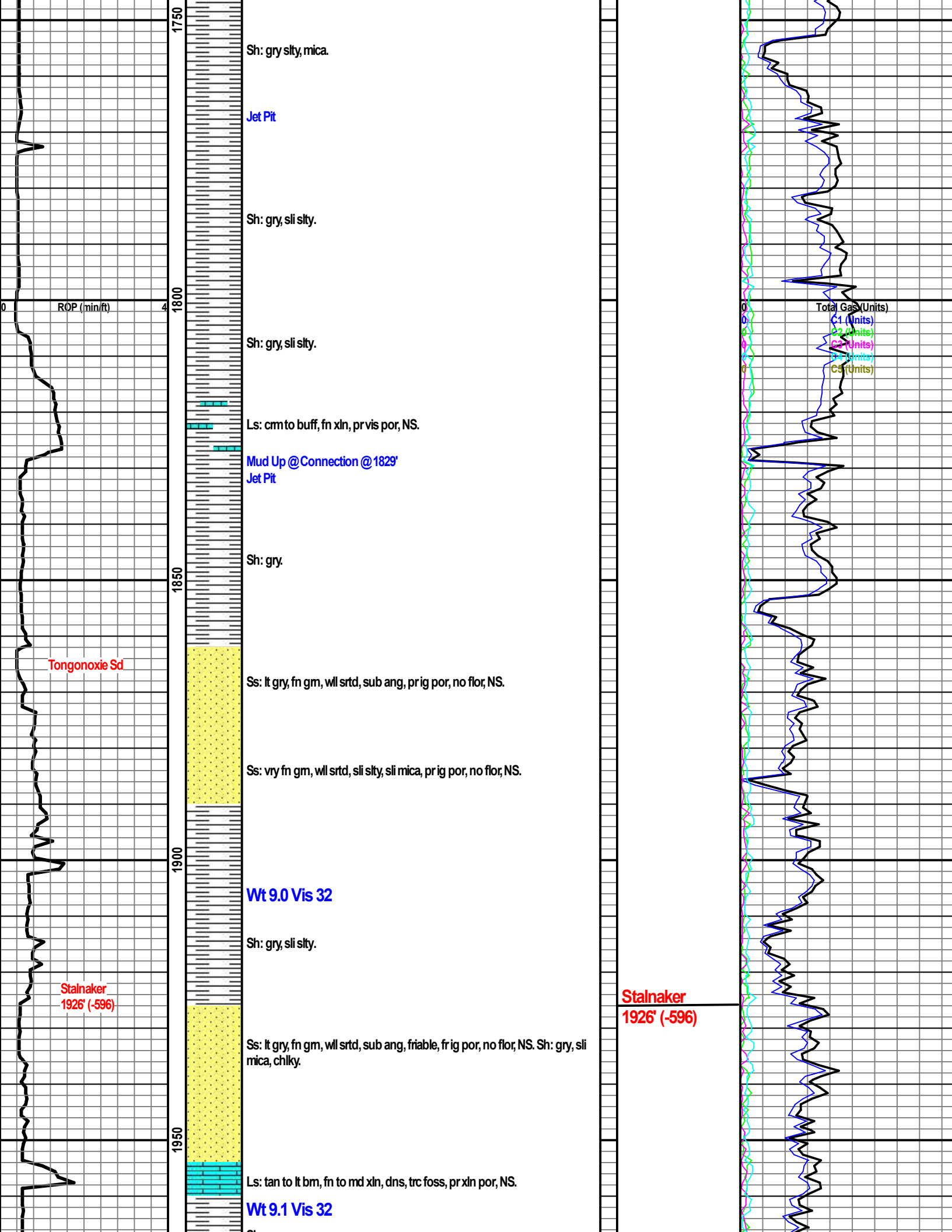


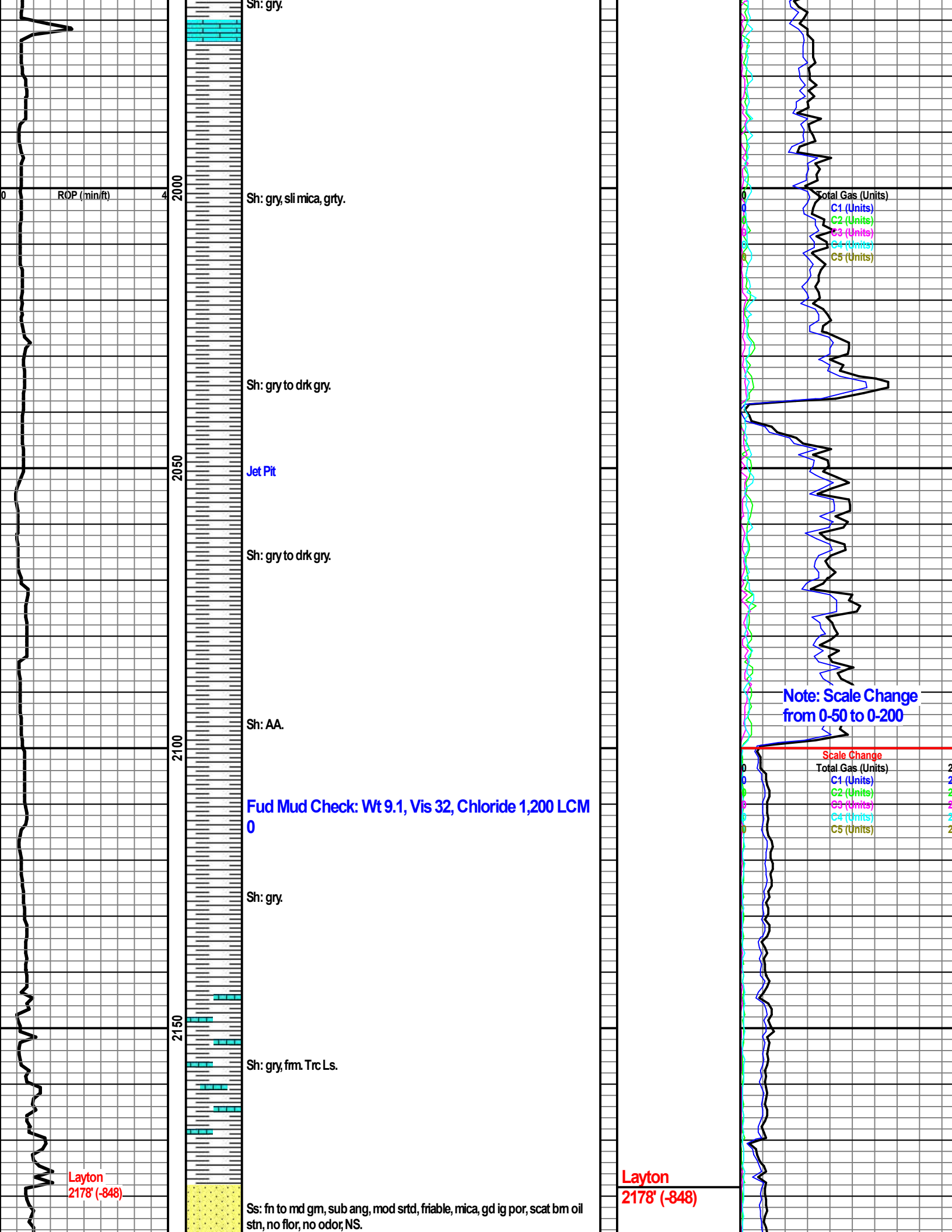


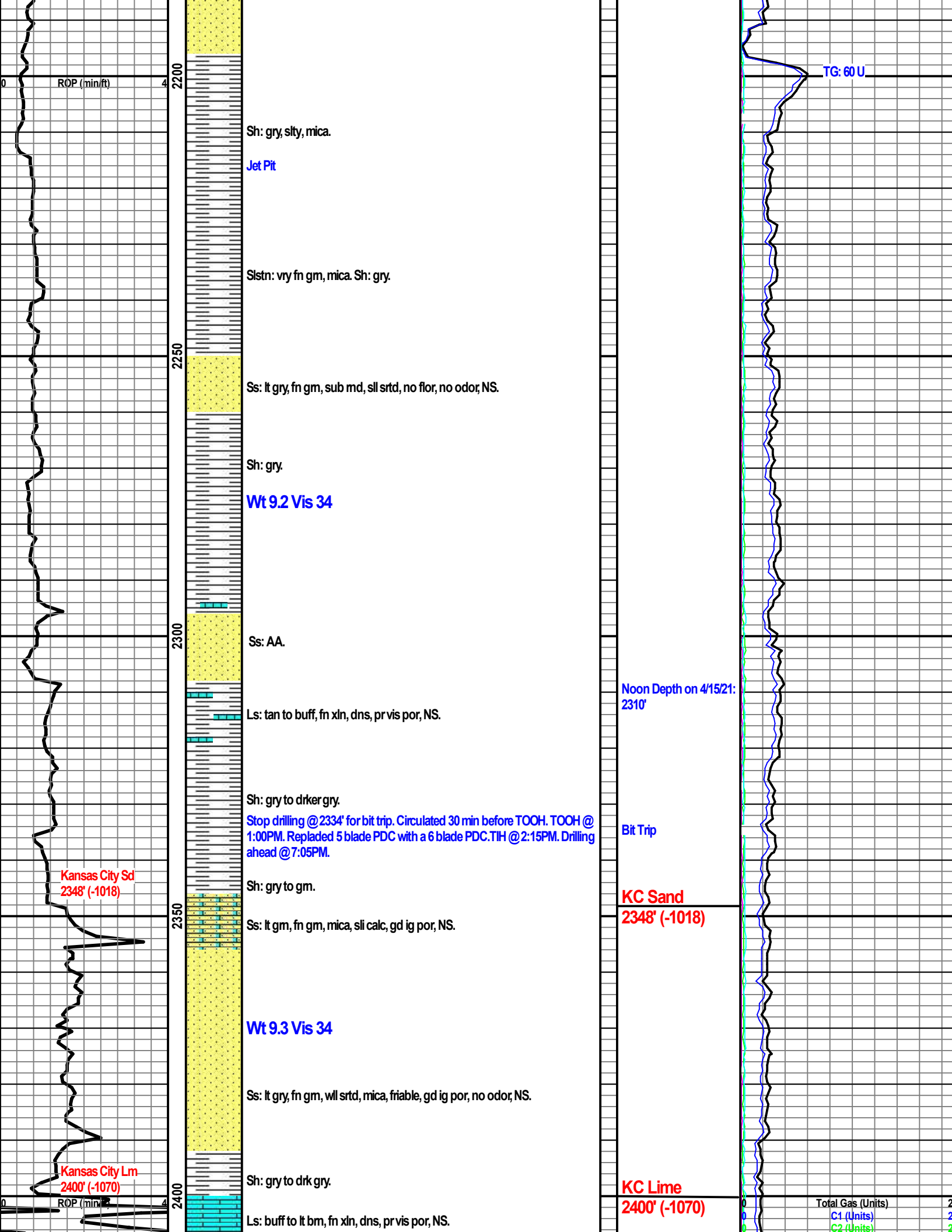


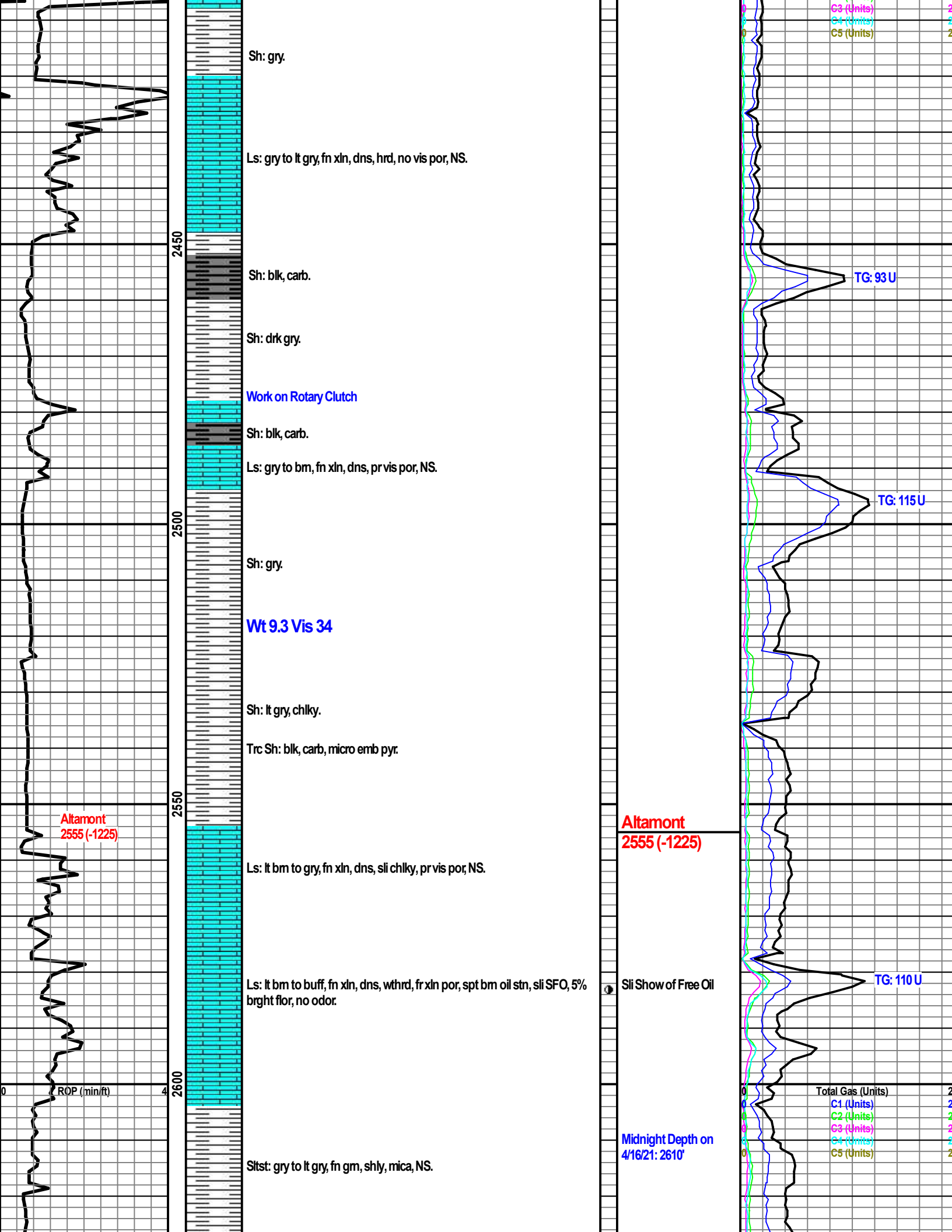


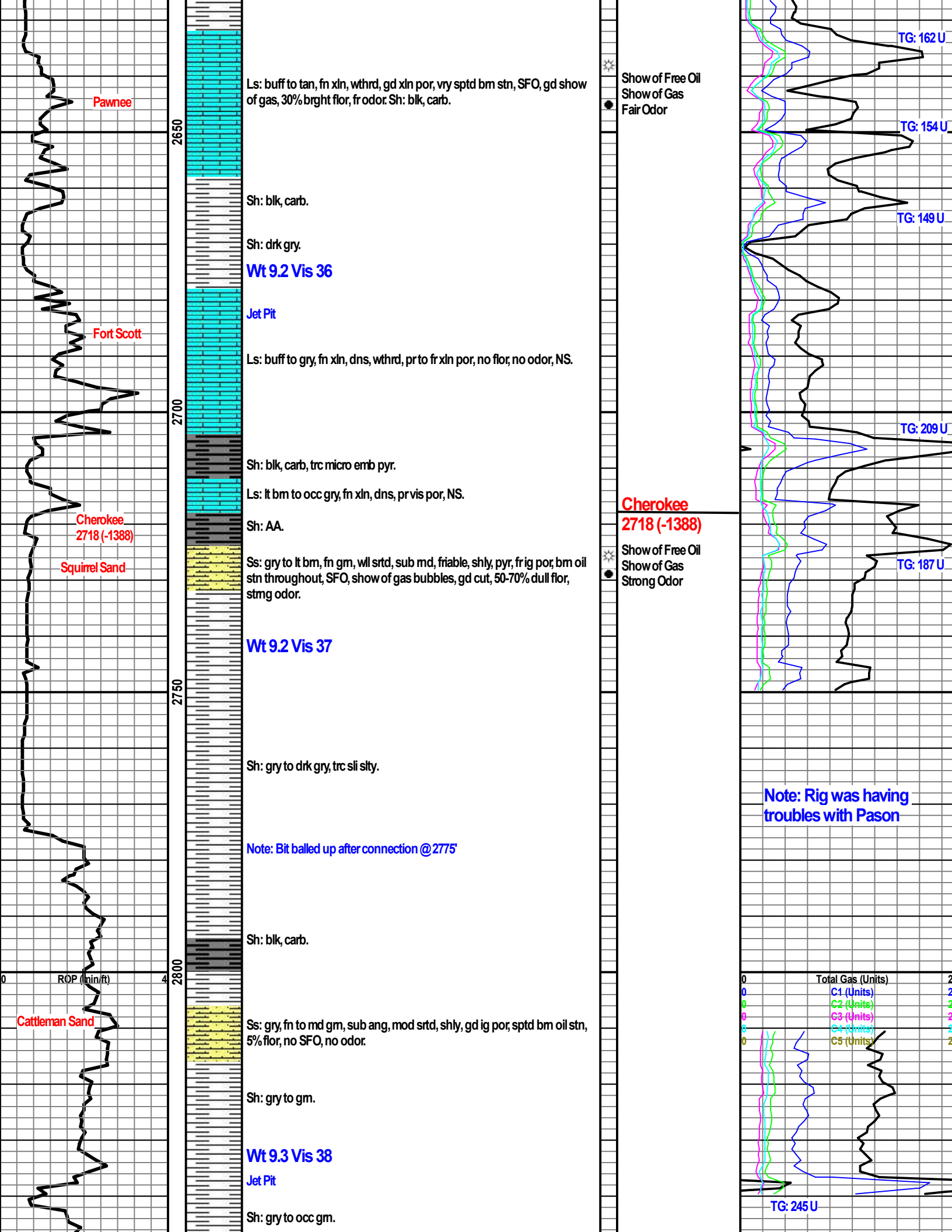


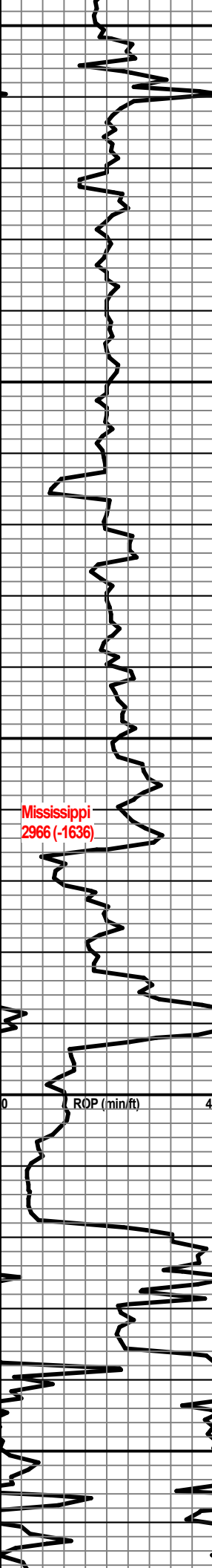












2850
2900
2950
3000
3050

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.

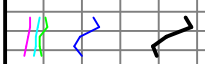
Ls: lt bm to gry, fn xln, dns, wthrd, chrty, pyr, pr vis por, no flor, no odor, NS.

Ls: AA.

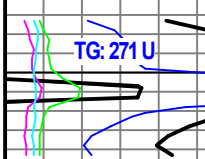
Wt 9.3 Vis 38 LCM 1

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)

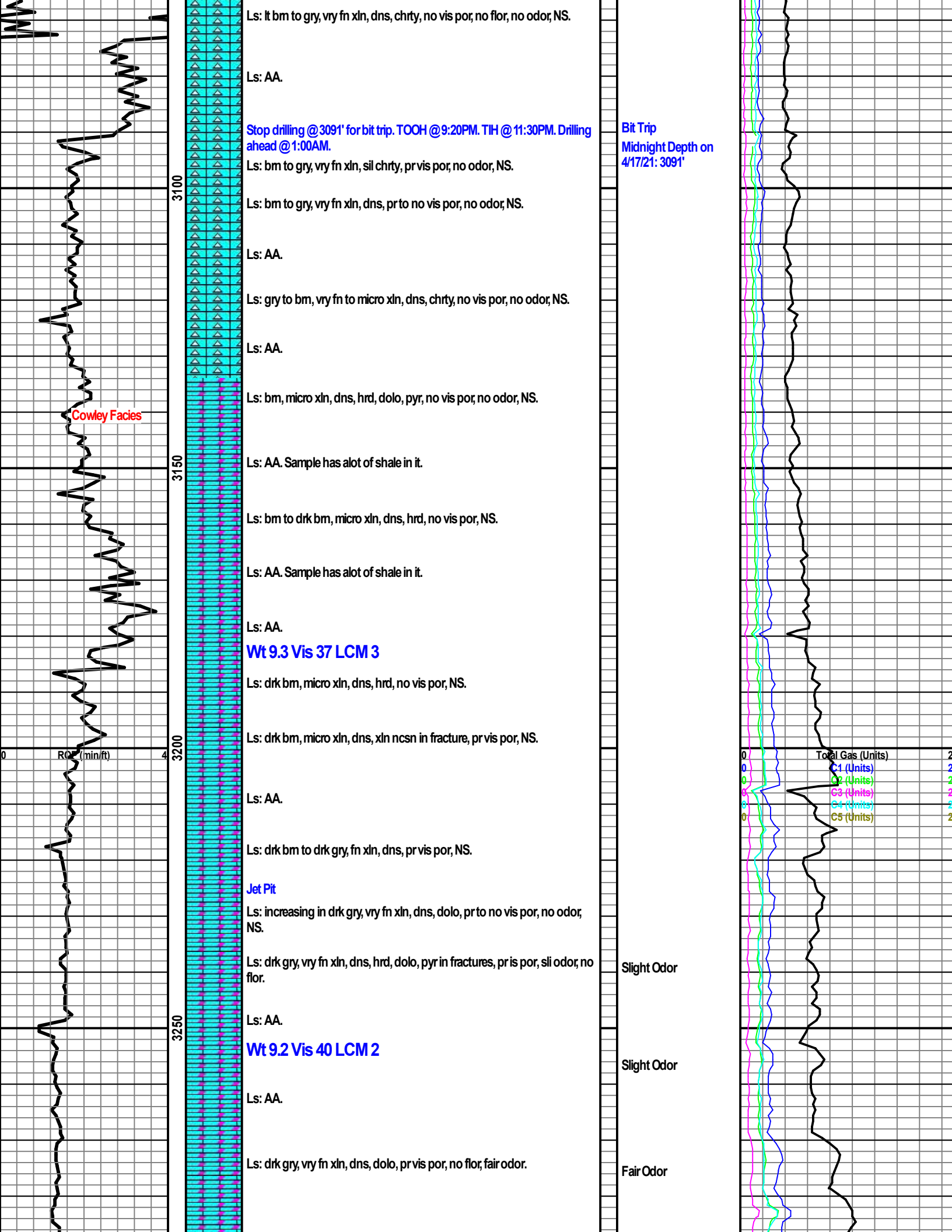
Good Show of Free Oil
Strong Odor

Show of Free Oil
Show of Gas
Strong Odor

Show of Free Oil
Faint Odor

TG: 104 U

TG: 90 U



Ls: It bm to gry, vry fn xln, dns, chrty, no vis por, no flor, no odor, NS.

Ls: AA.

Stop drilling @ 3091' for bit trip. TOOH @ 9:20PM. TIH @ 11:30PM. Drilling ahead @ 1:00AM.

Ls: bm to gry, vry fn xln, sil chrty, pr vis por, no odor, NS.

Ls: bm to gry, vry fn xln, dns, pr to no vis por, no odor, NS.

Ls: AA.

Ls: gry to bm, vry fn to micro xln, dns, chrty, no vis por, no odor, NS.

Ls: AA.

Ls: bm, micro xln, dns, hrd, dolo, pyr, no vis por, no odor, NS.

Cowley Facies

Ls: AA. Sample has alot of shale in it.

Ls: bm to drk bm, micro xln, dns, hrd, no vis por, NS.

Ls: AA. Sample has alot of shale in it.

Ls: AA.

Wt 9.3 Vis 37 LCM 3

Ls: drk bm, micro xln, dns, hrd, no vis por, NS.

Ls: drk bm, micro xln, dns, xln ncsn in fracture, pr vis por, NS.

Ls: AA.

Ls: drk bm to drk gry, fn xln, dns, pr vis por, NS.

Jet Pit

Ls: increasing in drk gry, vry fn xln, dns, dolo, pr to no vis por, no odor, NS.

Ls: drk gry, vry fn xln, dns, hrd, dolo, pyr in fractures, pr is por, sli odor, no flor.

Slight Odor

Ls: AA.

Wt 9.2 Vis 40 LCM 2

Slight Odor

Ls: AA.

Ls: drk gry, vry fn xln, dns, dolo, pr vis por, no flor, fair odor.

Fair Odor

Bit Trip
Midnight Depth on
4/17/21: 3091'

Total Gas (Units)

C1 (Units)

C2 (Units)

C3 (Units)

C4 (Units)

C5 (Units)

ROP (min/ft)

3100

3150

3200

3250

0

0

0

0

0

0

2

2

2

2

2

2

0

0

0

0

0

0

4

4

4

4

4

4

2

2

2

2

2

2

2

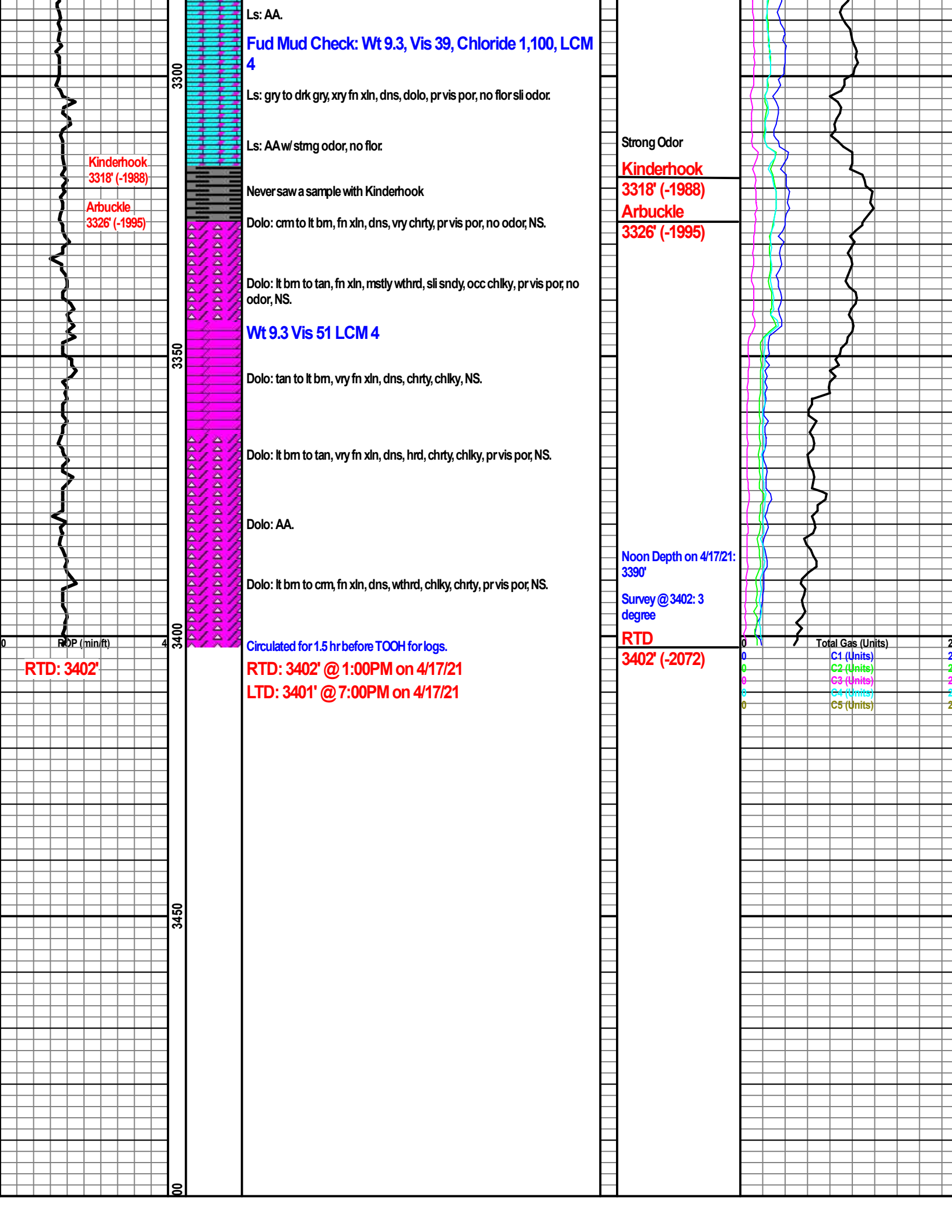
2

2

2

2

2



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: AA w/ 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)

Kinderhook
3318' (-1988)

Arbuckle
3326' (-1995)

RTD: 3402'

ROP (min/ft)

3300
3350
3400
3450
00

| | | |
|---|-------------------|---|
| 0 | Total Gas (Units) | 2 |
| 0 | C1 (Units) | 2 |
| 0 | C2 (Units) | 2 |
| 0 | C3 (Units) | 2 |
| 0 | C4 (Units) | 2 |
| 0 | C5 (Units) | 2 |