

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) (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 | Sapphire Resource, LLC |
| Well Name | TRACY NO. 1 |
| Doc ID | 1495063 |

All Electric Logs Run

| |
|-----------------|
| |
| DIL |
| Com Neu/Com Den |
| Micro |
| Sonic |

| | |
|-----------|------------------------|
| Form | ACO1 - Well Completion |
| Operator | Sapphire Resource, LLC |
| Well Name | TRACY NO. 1 |
| Doc ID | 1495063 |

Tops

| Name | Top | Datum |
|-----------------|------|-------|
| Mississippian | 4694 | -3179 |
| Kinderhood | 4940 | -3425 |
| Woodford | 5019 | -3504 |
| Misener | 5052 | -3537 |
| Viola | 5060 | -3545 |
| Simpson Sh | 5156 | -3641 |
| Simpson Sst | 5181 | -3666 |
| 2nd Simpson Sst | 5306 | -3791 |
| Arbuckle | 5349 | -3834 |
| Total depth | 5390 | -3895 |



CEMENT TREATMENT REPORT

| | | |
|------------------------------------|--------------------------|-------------------------|
| Customer: Briscoe Petroleum | Tracy OWWO #1 | Ticket: ICT 3185 |
| City, State: Barber Co. Ks. | County: Barber | 2/4/2020 |
| Field Rep: Mike Mattal | S-T-R: 11-34s-12w | Service: |

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

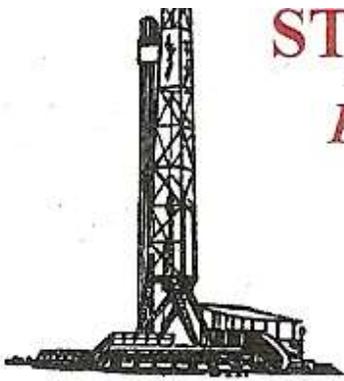
5340

| Slurry | |
|---------------|----------------------|
| Weight: | 220 # / sx |
| Water / Sx: | gal / sx |
| Yield: | ft ³ / sx |
| Bbls / Ft.: | |
| Depth: | ft |
| Volume: | bbls |
| Excess: | % |
| Total Slurry: | bbls |
| Total Sacks: | 2 sx |

| Cement Blend | | |
|--------------|---|---|
| Product | % | # |
| Class A | | |
| Gel | | |
| CaCl | | |
| Metso | | |
| KolSeal | | |
| PhenoSeal | | |
| Salt | | |

| TIME | RATE | PSI | BBLs | REMARKS | TIME | RATE | PSI | BBLs | REMARKS | Total |
|----------|------|-------|------|-----------------------------------|------|------|-----|------|---------|-------|
| 9:30 AM | | | | ON LOCATION/SAFTEY MEETING | | | | | | |
| 10:07 AM | 3.5 | 300.0 | 20.0 | 1st PLUG @5386' PUMP 20 WATER | | | | | | |
| 10:13 AM | 3.0 | 300.0 | 12.5 | MIX 50 SKS 60/40 POZ | | | | | | |
| 10:17 AM | 3.0 | 300.0 | 5.0 | PUMP 5 BBL WATER | | | | | | |
| 10:20 AM | 5.0 | 250.0 | 65.0 | PUMP 65 BBL MUD | | | | | | |
| | | | | 2ND PLUG 2650' | | | | | | |
| 12:55 PM | 3.5 | 200.0 | 5.0 | PUMP 5 BBL WATER | | | | | | |
| 12:57 PM | 3.0 | 200.0 | 12.5 | MIX 50 SKS 60/40 POZ | | | | | | |
| 1:02 AM | 3.0 | 100.0 | 3.0 | PUMP 3 BBL WATER | | | | | | |
| | | | | 3RD PLUG @350' | | | | | | |
| 1:17 AM | 3.0 | 175.0 | 3.0 | PUMP 3 BBL WATER | | | | | | |
| 1:19 AM | 3.0 | 175.0 | 12.5 | MIX 50 SKS 60/40 POZ | | | | | | |
| 1:25 AM | 3.0 | 100.0 | 1.0 | PUMP 1 BBL WATER | | | | | | |
| | | | | 4THPLUG @ 60' | | | | | | |
| 3:30 AM | | | 5.0 | MIX 20 SKS 60/40 POZ CMT. TO SURF | | | | | | |
| 3:35 AM | | | 7.0 | PLUG RAT HOLE | | | | | | |
| 3:40 AM | | | 5.0 | PLUG MOUSE HOLE | | | | | | |
| 3:45 AM | | | | JOB COMPLETE | | | | | | |
| | | | | THANK YOU! MIKE MATTAL | | | | | | |
| | | | | KEVIN, RILEY | | | | | | |

| CREW | | UNIT | SUMMARY | | |
|----------------|---------------|-------|--------------|------------------|-------------|
| Cementer: | Mike Mattal | 912.0 | Average Rate | Average Pressure | Total Fluid |
| Pump Operator: | Kevin Noeller | 265.0 | 3.3 bpm | 210.00 psi | 156.50 bbls |
| Bulk #1: | Riley Osborn | 0.7 | | | |
| Bulk #2: | | | | | |



STEVEN P. MURPHY, P.G.

Petroleum Geologist (KS #228)

Cell 620.639.3030

Fax 785.387.2400

RR#1, Box 69

Otis, Kansas 67565

geomurphy@gbta.net

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

Well Name: Sapphire Resources, LLC

API: 15-007-22150-00-01

Location: Barber County

License Number: 35679

Spud Date: 1/27/2020

Surface Coordinates: 4950' FSL & 1650' FEL (Approx. NE NW NE)

Region: Kansas

Drilling Completed: 2/4/2020

Bottom Hole As above w/minimal deviation (Vertical well)

Coordinates:

Ground Elevation (ft): 1502'

K.B. Elevation (ft): 1515'

Logged Interval (ft): 4100'

To: 5386'

Total Depth (ft): RTD-5386'/LTD-5390'

Formation: Mississippian through Ordovician Arbuckle

Type of Drilling Fluid: Chemical (Mudco Engineer Brad Bortz (Pratt, KS shop))

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

OPERATOR

Company: Sapphire Resource, LLC

Address: 61 Pronghorn Meadow Lane
Gillette, WY 82718-9116

GEOLOGIST

Name: Steven P. Murphy, PG (KS License #228)

Company: Consulting Petroleum Geologist

Address: 2501 Zarah Drive

Great Bend, KS 67530

email: geomurphy55@gmail.com

REMARKS

The Tracy #1 OWWO was originally drilled as the Stucky #2-11 by Dunne Oil Co. in June, 1987. The Tracy #1 OWWO was intended to deepen the well to analyze the Simpson sandstone (Wilcox). Unfortunately the well got out of the original Stucky #2-11 borehole. At that point, the operator elected to continue drilling to the Arbuckle. Sample analysis began at a depth of 4610' and continued to RTD of 5386'.

No drillstem tests were run on this well.

The open-hole logging was performed by Pioneer Logging (Hays, KS shop). Logs included Compensated Neutron/Compensated Density, Dual Induction, Sonic & Microlog.

Formation tops and datums from the open-hole logs include the following:

Mississippian 4694 (-3179)

Kinderhook 4940 (-3425)

Woodford 5019 (-3504)

Misener 5052 (-3537)

Viola 5060 (-3545)

Simpson SH 5156 (-3641)

Simpson Sst 5181 (-3666)

2nd Simpson Sst 5306 (-3791)

Arbuckle 5349 (-3834)

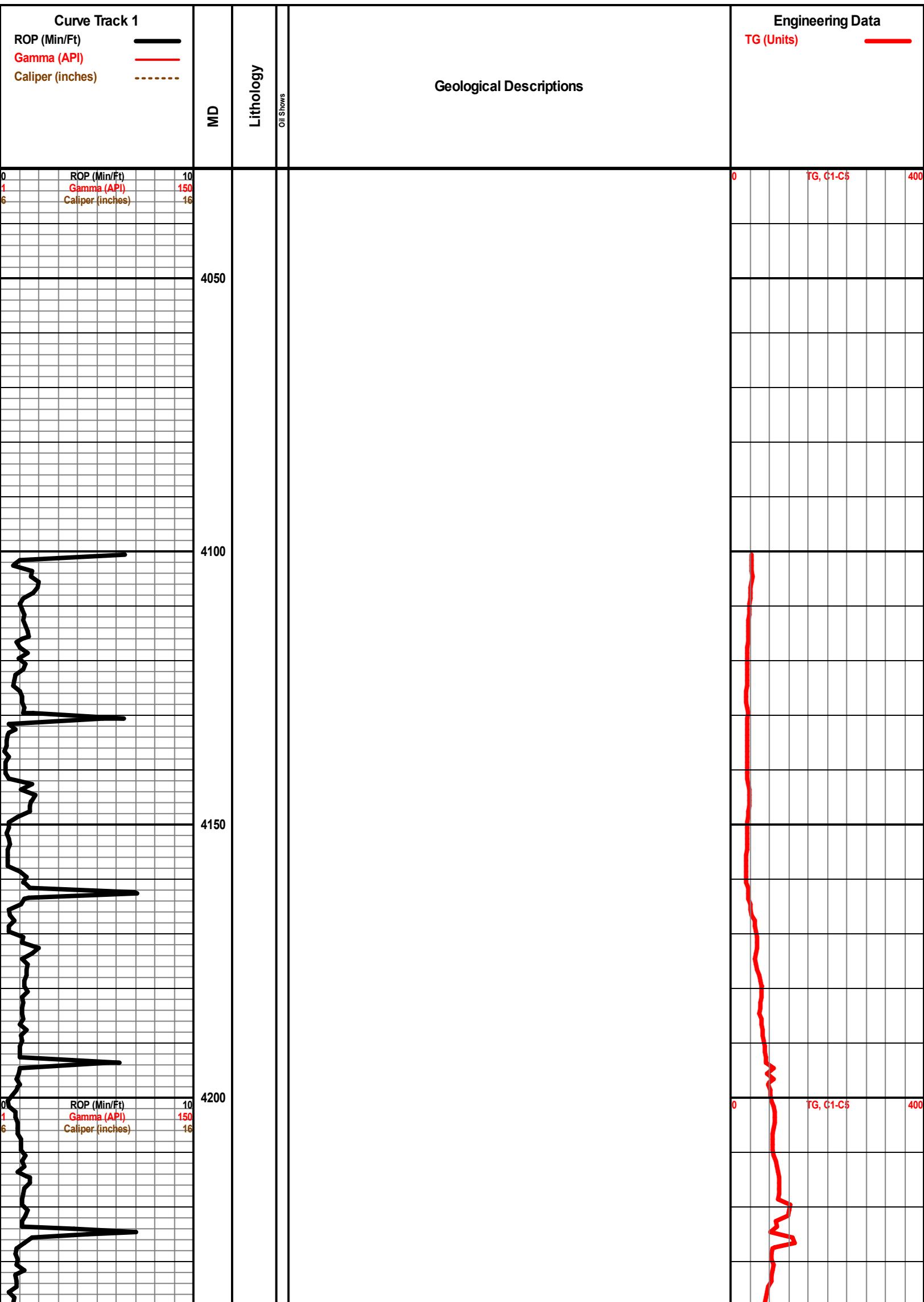
Total Depth 5390 (-3875)

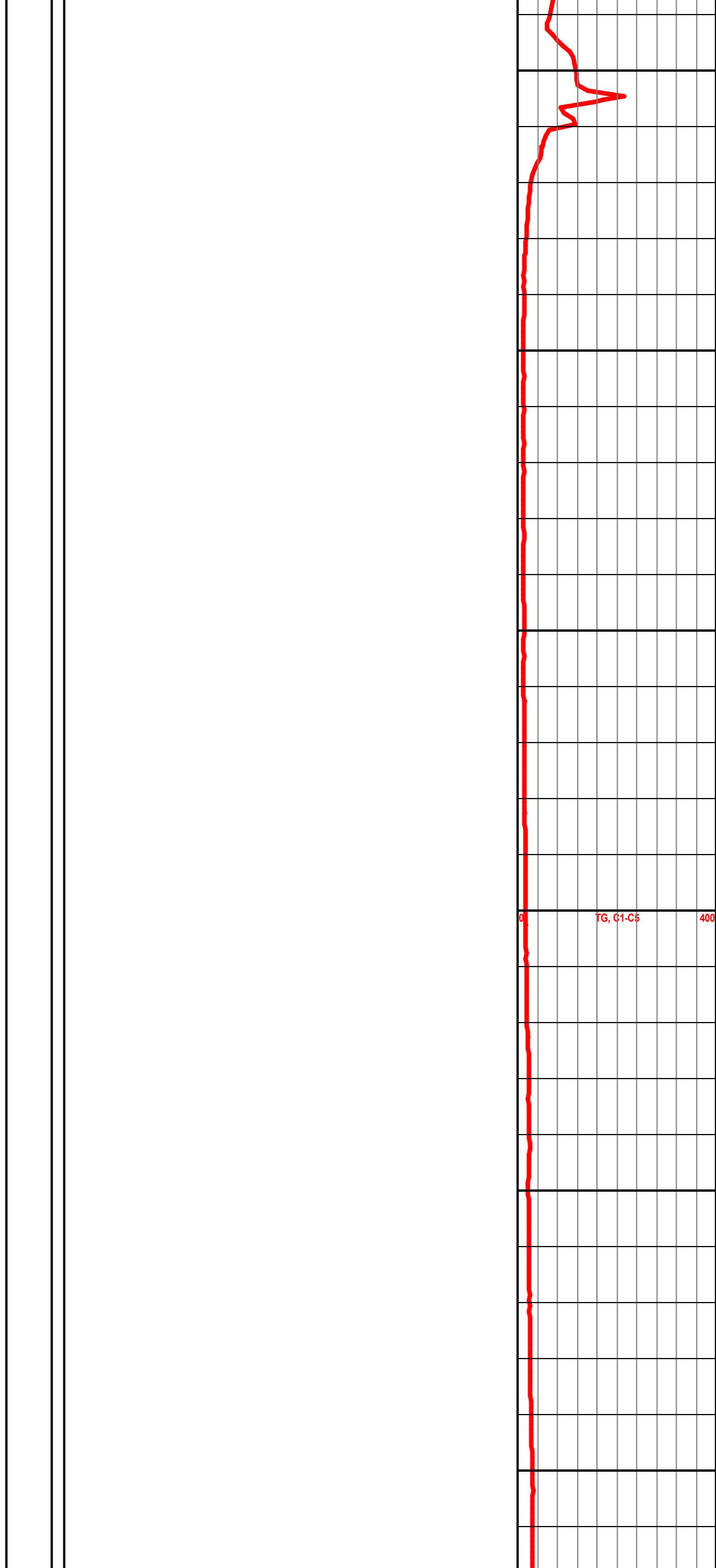
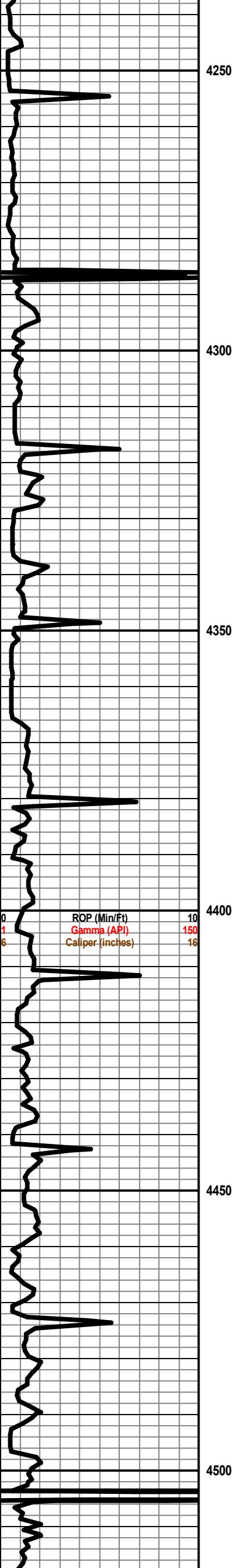
COMMENTS

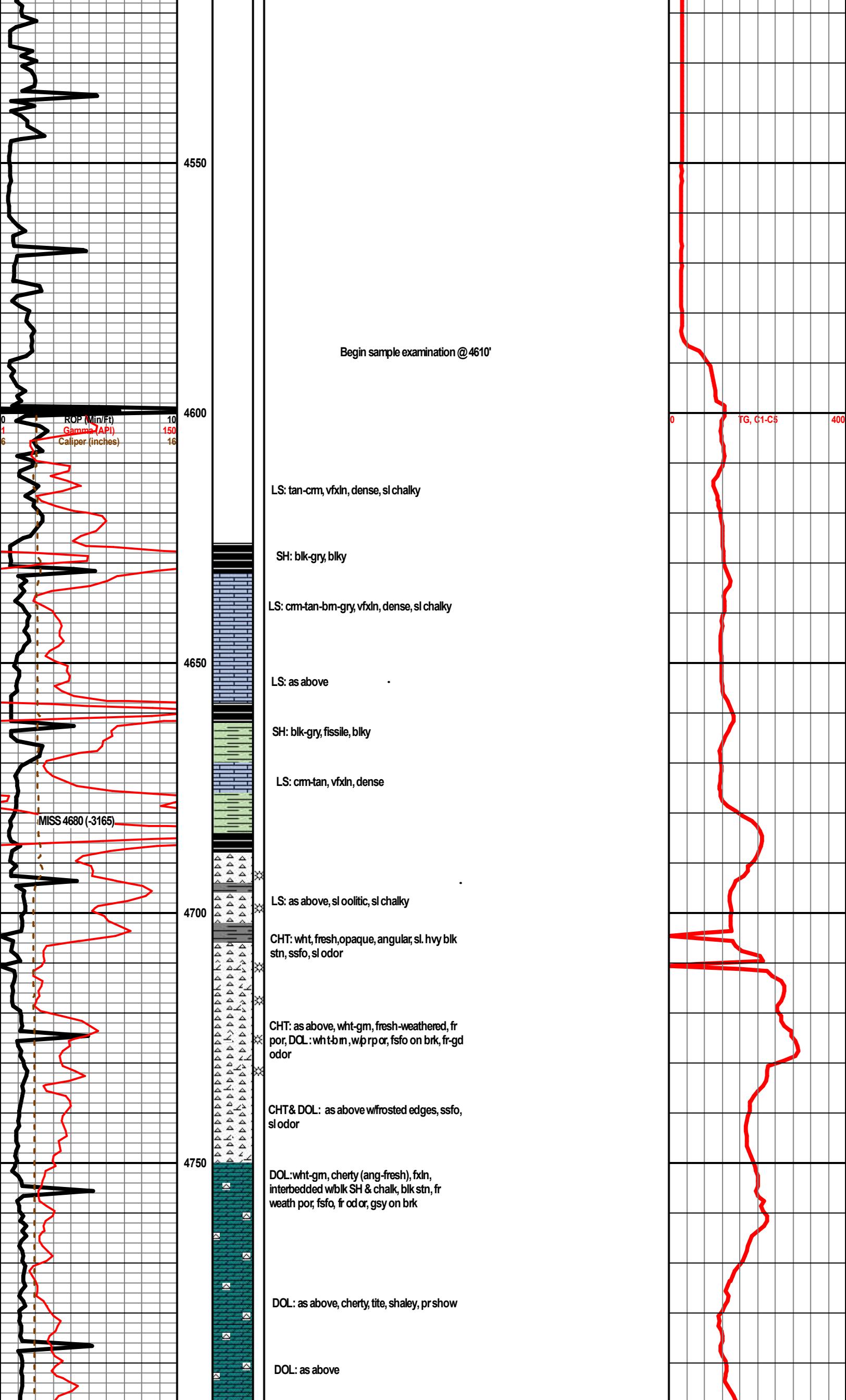
The target Simpson Sst (Wilcox) no shows of oil and/or gas. Therefore, no drillstem testing was done. Based on the analysis of the gas detector, sample cuttings and open-hole logs, this well was plugged at the RTD of 5386' on 2/4/2020.

Respectfully submitted,

Steven P. Murphy, PG (KS #228)









DOL: wht-tan, sl cherty, dense, NS

SH: gry

DOL: wht-tan-gry, vfxln, dense, sl glauc, shaley, cherty

LS: wht-tan-gm, vfxln, dense, sl chalky, minor fresh, sharp CHT

LS: wht-gm, as above

LS: as above

SH: red-gry-gm

SH: as above

LS: crm-gry-gm, vfxln, dense

LS: as above

SH: gry

SH: as above

SH: blk-gry-dk gry

SH: as above

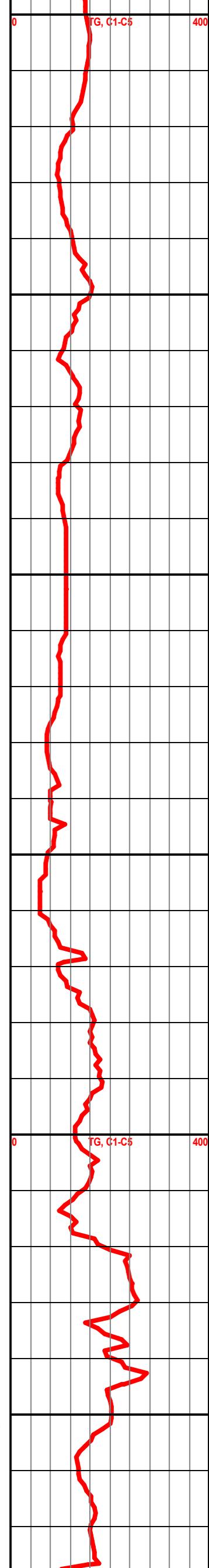
SH: blk-gry-dk gry w/interbedded glittery red-bm silt

SH: as above

SST: clr-wht, med-gm, firm-friable, calcite cement, pr-fr intergran por, nsfo or str, sl odor (5070' sample)

LS: wht-crm-gry, vfxln, dense, chalky, cherty, w/interbedded blk-gry SH

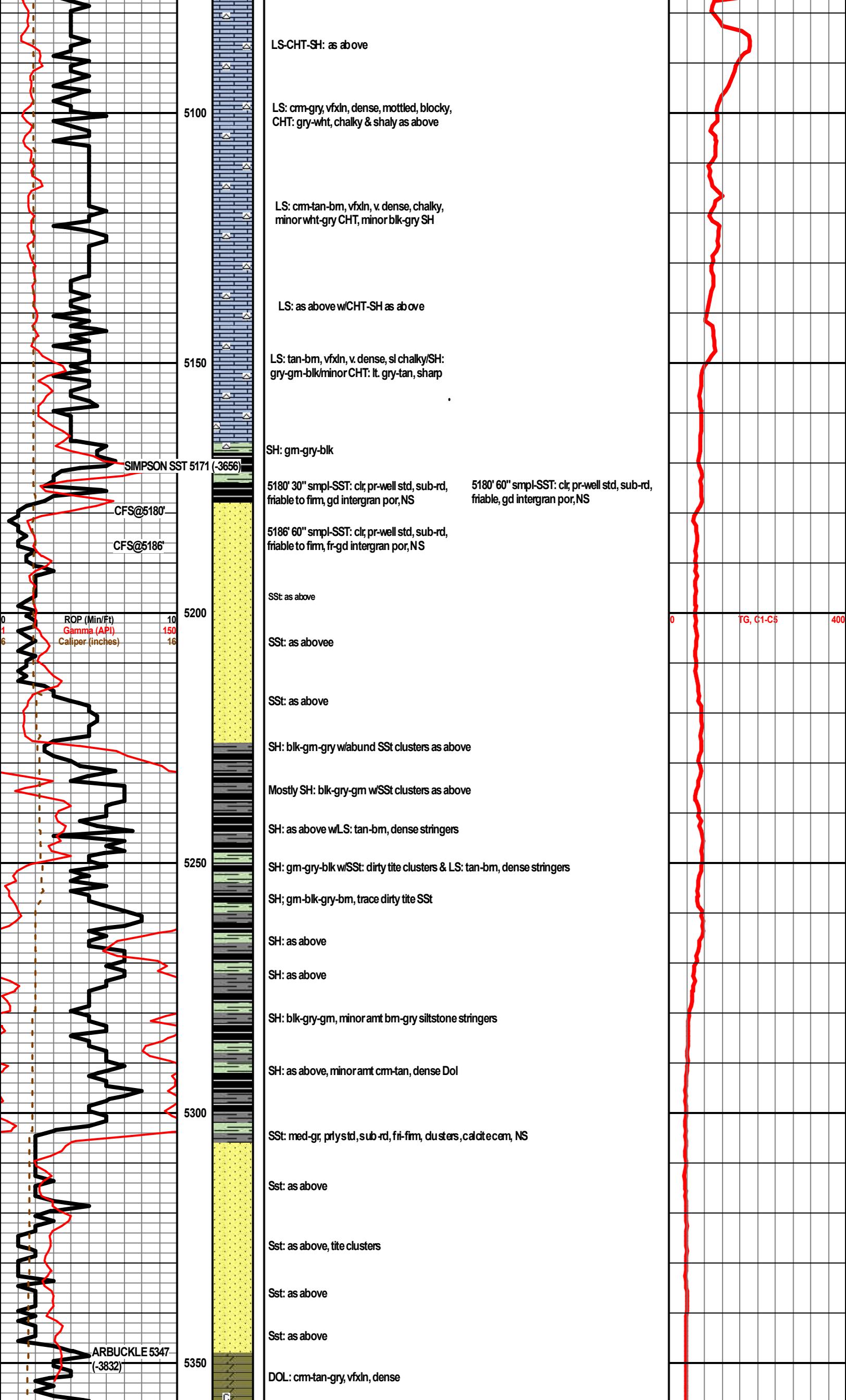
Bit trip @ 5007', change to button bit from PDC bit, strap 0.88 short to board



WOODFORD 5016 (-3501)

MISENER 5051 (-3536)

VIOLA 5055 (-3540)



LS-CHT-SH: as above

5100
 LS: cm-gry, vfxln, dense, mottled, blocky,
 CHT: gry-wht, chalky & shaly as above

LS: cm-tan-bm, vfxln, v. dense, chalky,
 minor wht-gry CHT, minor blk-gry SH

LS: as above w/CHT-SH as above

5150
 LS: tan-bm, vfxln, v. dense, sl chalky/SH:
 gry-gm-blk/minor CHT: lt. gry-tan, sharp

SH: gm-gry-blk

SIMPSON SST 5171 (-3656)

5180' 30" smpl-SST: clr; pr-well std, sub-rd,
 friable to firm, gd intergran por, NS

5180' 60" smpl-SST: clr; pr-well std, sub-rd,
 friable, gd intergran por, NS

CFS@5180'

CFS@5186'

5186' 60" smpl-SST: clr; pr-well std, sub-rd,
 friable to firm, fr-gd intergran por, NS

SSt: as above

SSt: as above

SSt: as above

SH: blk-gm-gry w/abund SSt clusters as above

Mostly SH: blk-gry-gm w/SSt clusters as above

SH: as above w/LS: tan-bm, dense stringers

5250
 SH: gm-gry-blk w/SSt: dirty tite clusters & LS: tan-bm, dense stringers

SH: gm-blk-gry-bm, trace dirty tite SSt

SH: as above

SH: as above

SH: blk-gry-gm, minor amt bm-gry siltstone stringers

SH: as above, minor amt cm-tan, dense Dol

5300
 SSt: med-gr, prlystd, sub-rd, fri-firm, clusters, calcitecem, NS

SSt: as above

SSt: as above, tite clusters

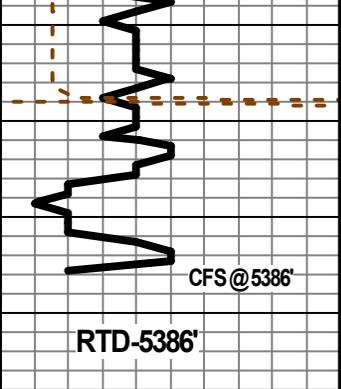
SSt: as above

SSt: as above

ARBUCKLE 5347 (-3832)

5350
 DOL: cm-tan-gry, vfxln, dense

0 TG, C1-C5 400



CFS@5386'

RTD-5386'

| | | |
|---|------------------|-----|
| 0 | ROP (Min/Ft) | 10 |
| 1 | Gamma (API) | 150 |
| 6 | Caliper (inches) | 16 |

5400



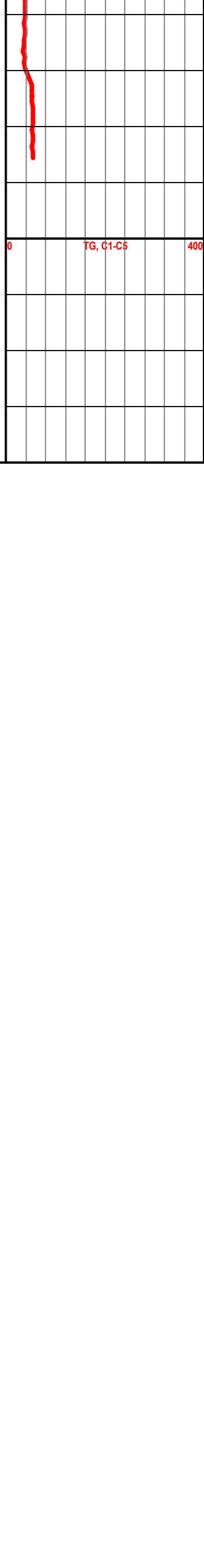
DOL: as above, minor chalk

DOL: as above, sl chalky

DOL: cm-tan-bm, vfxln, dense

30" CFS-DOL: cm-tan, f-mxn, fr inxn por, NS
 60" CFS-DOL: cm-tan, f-mxn, fr inxn por w/interbeded blk-gm-dk gry SH, NS

RTD-5386' LTD-5390'



0 TG, C1-C5 400