

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 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 | Lebsack Oil Production Inc. |
| Well Name | GARDEN CITY 9-12 |
| Doc ID | 1372768 |

Tops

| Name | Top | Datum |
|-----------------|------|-------|
| Heebner | 3802 | -885 |
| Toronto | 3814 | -897 |
| Lansing | 3894 | -977 |
| Pawnee | 4420 | -1503 |
| Ft. Scott | 4448 | -1531 |
| Morrow Shale | 4648 | -1731 |
| ERO Mississippi | 4742 | -1825 |
| RTD | 4860 | -1943 |



Joshua R. Austin

Petroleum Geologist

report for



Lebsack Oil Production, Inc.

COMPANY: Lebsack Oil Production, Inc.

LEASE: Garden City #9-12

FIELD: West Damme Ext.

LOCATION: 335' FNL & 335' FEL (Sw-Ne-Ne-Ne)

SEC: 12 TWSP: 22s RGE: 34w

COUNTY: Finney STATE: Kansas

KB: 2917 GL: 2904'

API # 15-055-22463-00-00

CONTRACTOR: Sterling Drilling Company (rig #5)

Spud: 11/01/2017

Comp: 11/08/2017

RTD: 4860'

LTD: 4864'

Mud Up: 3400'

Type Mud: Chemical was displaced

Samples Saved From: 3600' to RTD.

Drilling Time Kept From: 3600' to RTD.

Samples Examined From: 3600' to RTD.

Geological Supervision From: 3850' to RTD.

Geologist on Well: Josh Austin

Surface Casing: 8 5/8" @ 478'

Production Casing: None

Electronic Surveys: Halliburton

NOTES

Lebsack Oil Production, Inc. well comparison sheet

DRILLING WELL

Garden City #9-12

COMPARISON WELL

Garden City #2-7

COMPARISON WELL

Garden City #5-12

| | | | | | Structural Relationship | | | | Structural Relationship | | | |
|------------------|--------|---------|------|---------|-------------------------|---------|--------|-----|-------------------------|---------|--------|-----|
| 2917 KB | | | | | 2916 KB | | | | 2917 KB | | | |
| Formation | Sample | Sub-Sea | Log | Sub-Sea | Log | Sub-Sea | Sample | Log | Log | Sub-Sea | Sample | Log |
| Anhydrite | 2030 | 887 | | | 2030 | 886 | 1 | | 2027 | 890 | -3 | |
| B/ Anhydrite | 2045 | 872 | | | 2042 | 874 | -2 | | 2038 | 879 | -7 | |
| Heebner | 3800 | -883 | 3802 | -885 | 3807 | -891 | 8 | 6 | 3794 | -877 | -6 | -8 |
| Toronto | 3812 | -895 | 3814 | -897 | 3818 | -902 | 7 | 5 | 3810 | -893 | -2 | -4 |
| Lansing | 3894 | -977 | 3894 | -977 | 3906 | -990 | 13 | 13 | 3888 | -971 | -6 | -6 |
| base porosity | 4161 | -1244 | 4164 | -1247 | 4163 | -1247 | 3 | 0 | 4156 | -1239 | -5 | -8 |
| Base KC | 4311 | -1394 | 4311 | -1394 | 4308 | -1392 | -2 | -2 | 4308 | -1391 | -3 | -3 |
| Marmaton | 4345 | -1428 | 4338 | -1421 | 4336 | -1420 | -8 | -1 | 4335 | -1418 | -10 | -3 |
| Pawnee | 4415 | -1498 | 4420 | -1503 | 4412 | -1496 | -2 | -7 | 4416 | -1499 | 1 | -4 |
| Ft. Scott | 4447 | -1530 | 4448 | -1531 | 4445 | -1529 | -1 | -2 | 4441 | -1524 | -6 | -7 |
| Cherokee Sh. | 4460 | -1543 | 4461 | -1544 | 4449 | -1533 | -10 | -11 | 4453 | -1536 | -7 | -8 |
| Morrow Shale | 4637 | -1720 | 4648 | -1731 | 4626 | -1710 | -10 | -21 | 4634 | -1717 | -3 | -14 |
| Ero. Mississippi | 4738 | -1821 | 4742 | -1825 | 4682 | -1766 | -55 | -59 | 4710 | -1793 | -28 | -32 |
| RTD | 4860 | -1943 | | | 4860 | -1944 | | | 4860 | -1943 | | |
| LTD | 4864 | -1947 | | | 4858 | -1942 | | | 4866 | -1949 | | |



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lebsack Oil Production

12-22s-34w Finney Ks

P.O. Box 354
Chase, Ks 67524

Garden City 9-12

ATTN: Josh Austin

Job Ticket: 64267

DST#: 1

Test Start: 2017.11.04 @ 19:18:06

GENERAL INFORMATION:

Formation: Pawnee

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:02:36

Time Test Ended: 21:50:06

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: 4400.00 ft (KB) To 4430.00 ft (KB) (TVD)

Total Depth: 4430.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2917.00 ft (KB)

2904.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8166

Outside

Press@RunDepth: psig @ 4401.00 ft (KB)

Start Date: 2017.11.04

End Date: 2017.11.04

Capacity: 8000.00 psig

Last Calib.: 2017.11.04

Start Time: 19:18:11

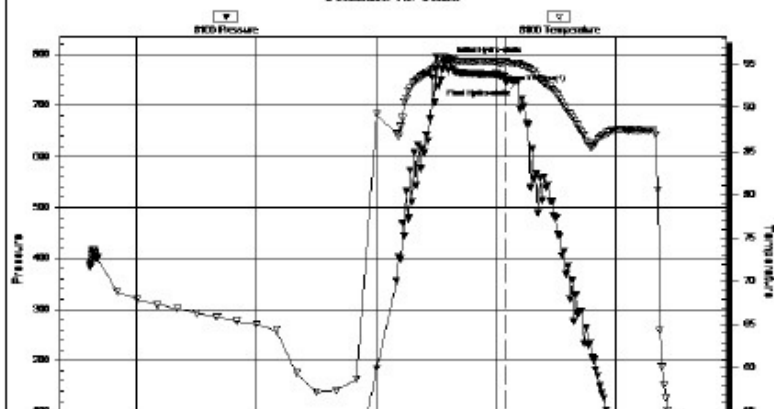
End Time: 21:50:06

Time On Btn: 2017.11.04 @ 20:48:36

Time Off Btn: 2017.11.04 @ 21:05:36

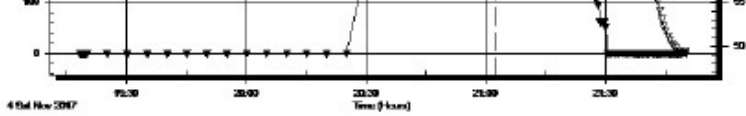
TEST COMMENT: Hit a Bridge on the way to bottom At 1586

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 785.48 | 95.53 | Initial Hydro-static |
| 14 | 743.63 | 95.19 | Open To Flow (1) |
| 17 | 747.38 | 95.10 | Final Hydro-static |



Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production

12-22s-34w Finney Ks

P.O. Box 354
Chase, Ks 67524

Garden City 9-12

ATTN: Josh Austin

Job Ticket: 64268

DST#: 2

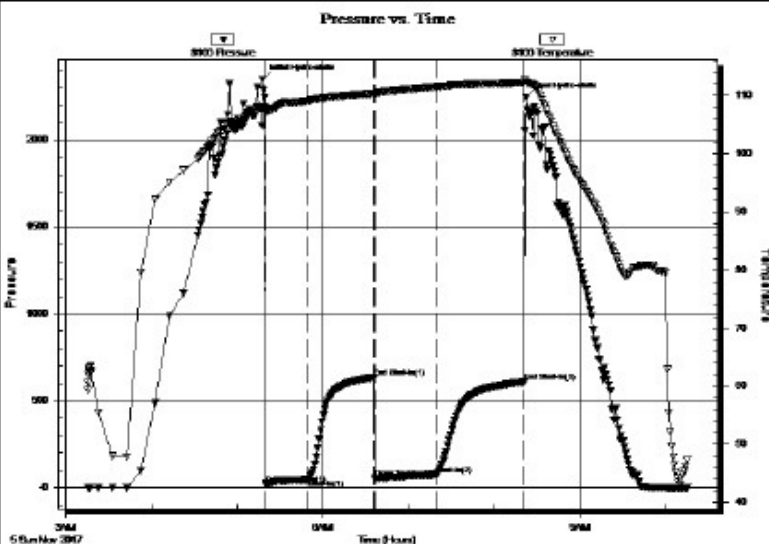
Test Start: 2017.11.05 @ 03:15:16

GENERAL INFORMATION:

Formation: Pawnee
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:19:46
 Time Test Ended: 10:15:46
 Interval: 4400.00 ft (KB) To 4430.00 ft (KB) (TVD)
 Total Depth: 4430.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2917.00 ft (KB)
 2904.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8166 Outside
 Press@RunDepth: 71.77 psig @ 4401.00 ft (KB)
 Start Date: 2017.11.05 End Date: 2017.11.05
 Start Time: 03:15:21 End Time: 10:15:45
 Capacity: 8000.00 psig
 Last Calib.: 2017.11.05
 Time On Btn: 2017.11.05 @ 05:17:46
 Time Off Btn: 2017.11.05 @ 08:22:16

TEST COMMENT: IF: 1/4 blow built to 4.
 IS: No return.
 FF: Surface blow built to 4.
 FS: No return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2347.79 | 107.83 | Initial Hydro-static |
| 2 | 20.81 | 107.36 | Open To Flow (1) |
| 32 | 47.55 | 109.19 | Shut-In(1) |
| 78 | 634.70 | 110.43 | End Shut-In(1) |
| 79 | 55.79 | 110.24 | Open To Flow (2) |
| 122 | 71.77 | 111.57 | Shut-In(2) |
| 183 | 607.53 | 112.27 | End Shut-In(2) |
| 185 | 2243.86 | 112.37 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 60.00 | nw 50%w 50%m | 0.30 |
| 61.00 | ocm 10%o 90%m | 0.30 |
| 5.00 | free oil 100%0 | 0.07 |
| 0.00 | 63 GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lebsack Oil Production

12-22s-34w Finney Ks

P.O. Box 354
Chase, Ks 67524

Garden City 9-12

Job Ticket: 64269

DST#: 3

ATTN: Josh Austin

Test Start: 2017.11.06 @ 14:56:04

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 16:55:04

Time Test Ended: 21:48:04

Test Type: **Conventional Bottom Hole (Reset)**

Tester: **Brandon Turley**

Unit No: **79**

Interval: **4615.00 ft (KB) To 4683.00 ft (KB) (TVD)**

Total Depth: **4683.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2917.00 ft (KB)**

2904.00 ft (CF)

KB to GR/CF: **13.00 ft**

Serial #: 8166

Outside

Press@RunDepth: **77.93 psig @ 4616.00 ft (KB)**

Start Date: **2017.11.06**

End Date: **2017.11.06**

Start Time: **14:56:09**

End Time: **21:48:03**

Capacity: **8000.00 psig**

Last Calib.: **2017.11.06**

Time On Btm: **2017.11.06 @ 16:53:34**

Time Off Btm: **2017.11.06 @ 19:23:34**

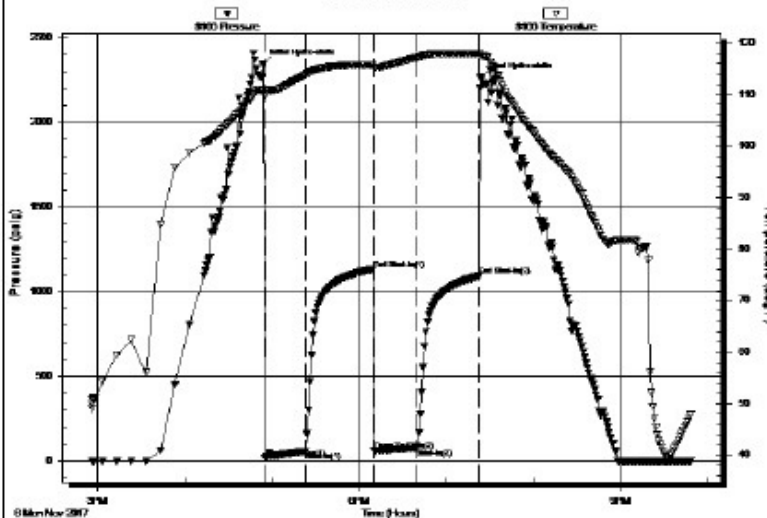
TEST COMMENT: IF: 1/4 blow built to 3.

IS: No return.

FF: Surface blow built to 1.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2341.82 | 110.91 | Initial Hydro-static |
| 2 | 21.19 | 109.88 | Open To Flow (1) |
| 30 | 57.93 | 113.83 | Shut-In(1) |
| 76 | 1132.92 | 115.73 | End Shut-In(1) |
| 77 | 62.29 | 115.33 | Open To Flow (2) |
| 106 | 77.93 | 117.16 | Shut-In(2) |
| 149 | 1091.78 | 117.91 | End Shut-In(2) |
| 150 | 2264.84 | 117.57 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
|-------------|-------------|--------------|







Gas Rates

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


| | | |
|--------|--------------|------|
| 130.00 | mw 50%w 50%m | 1.02 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

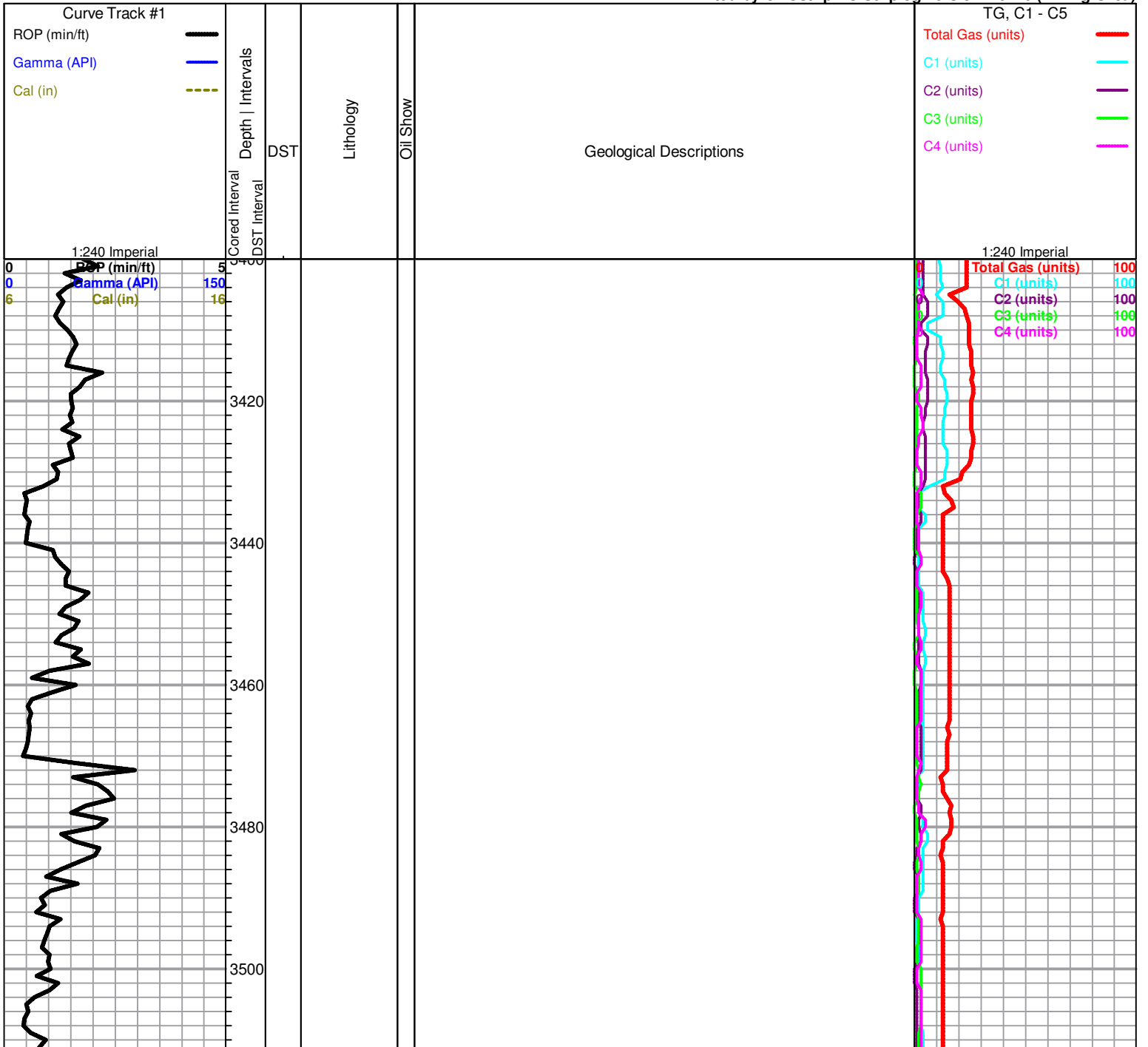
ROCK TYPES

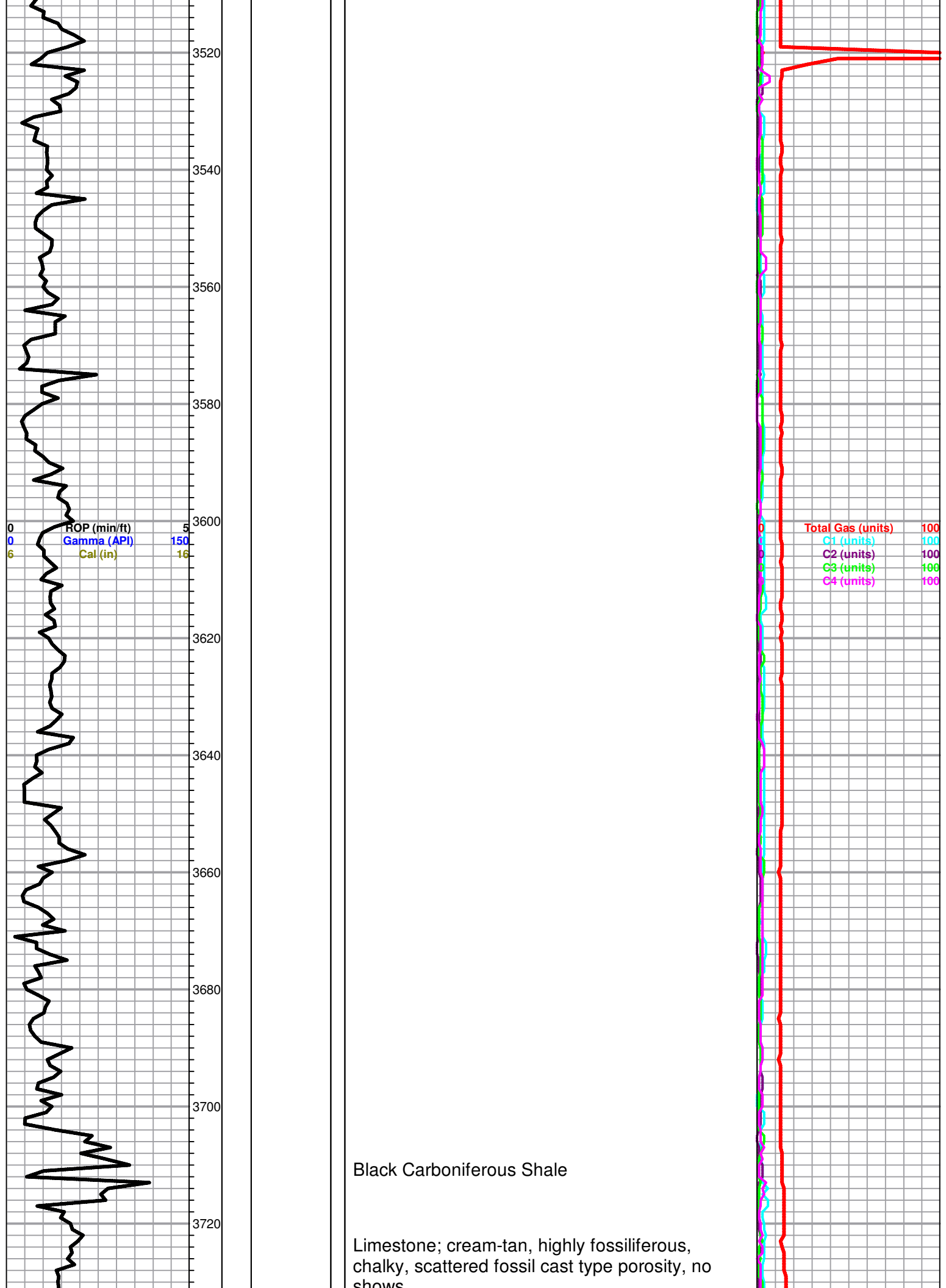
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|--|--|---|
|  sdy lmst |  shale, grn |  Carbon Sh |
|  Lmst fw7> |  shale, gry |  Ss |

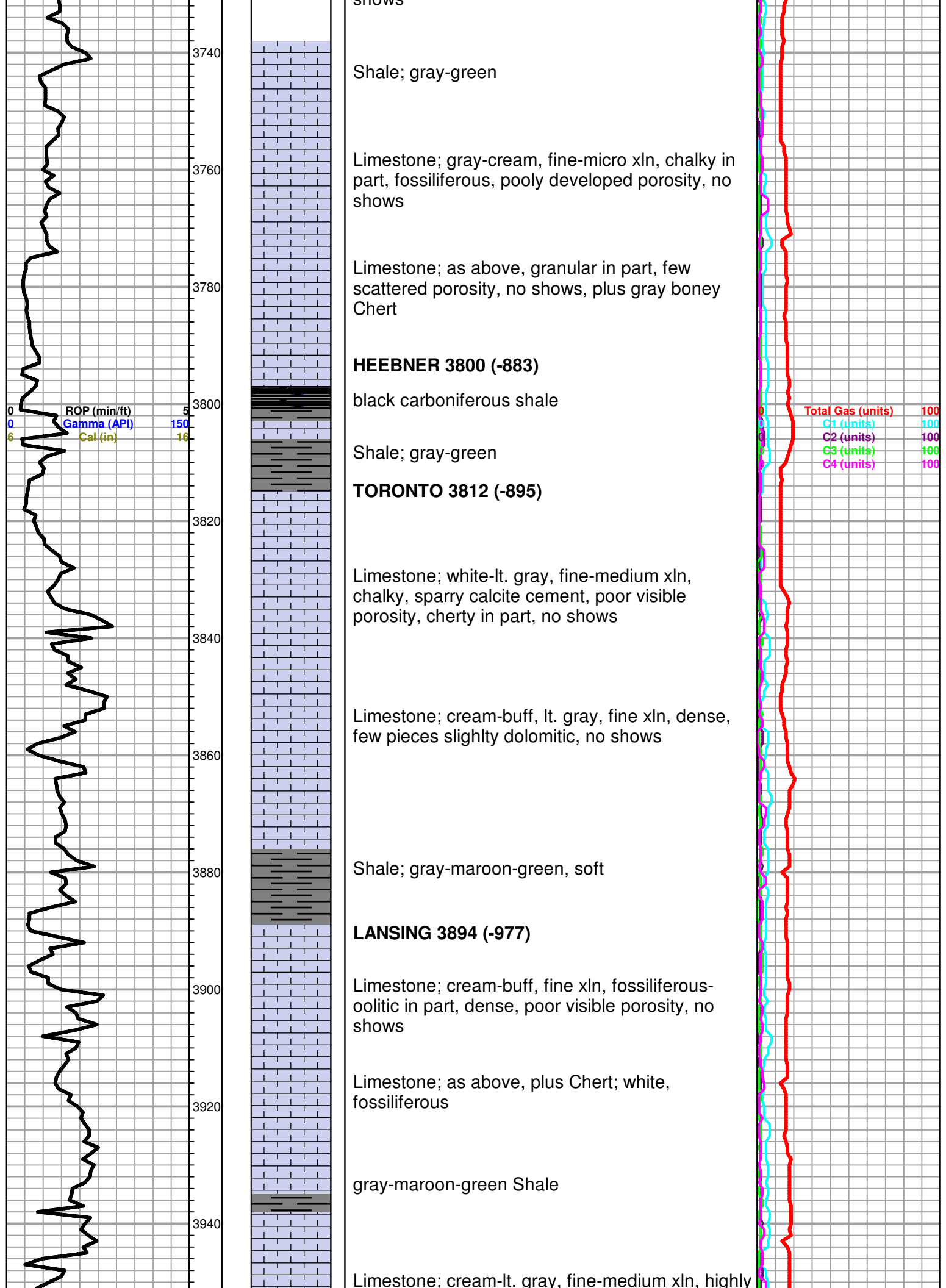
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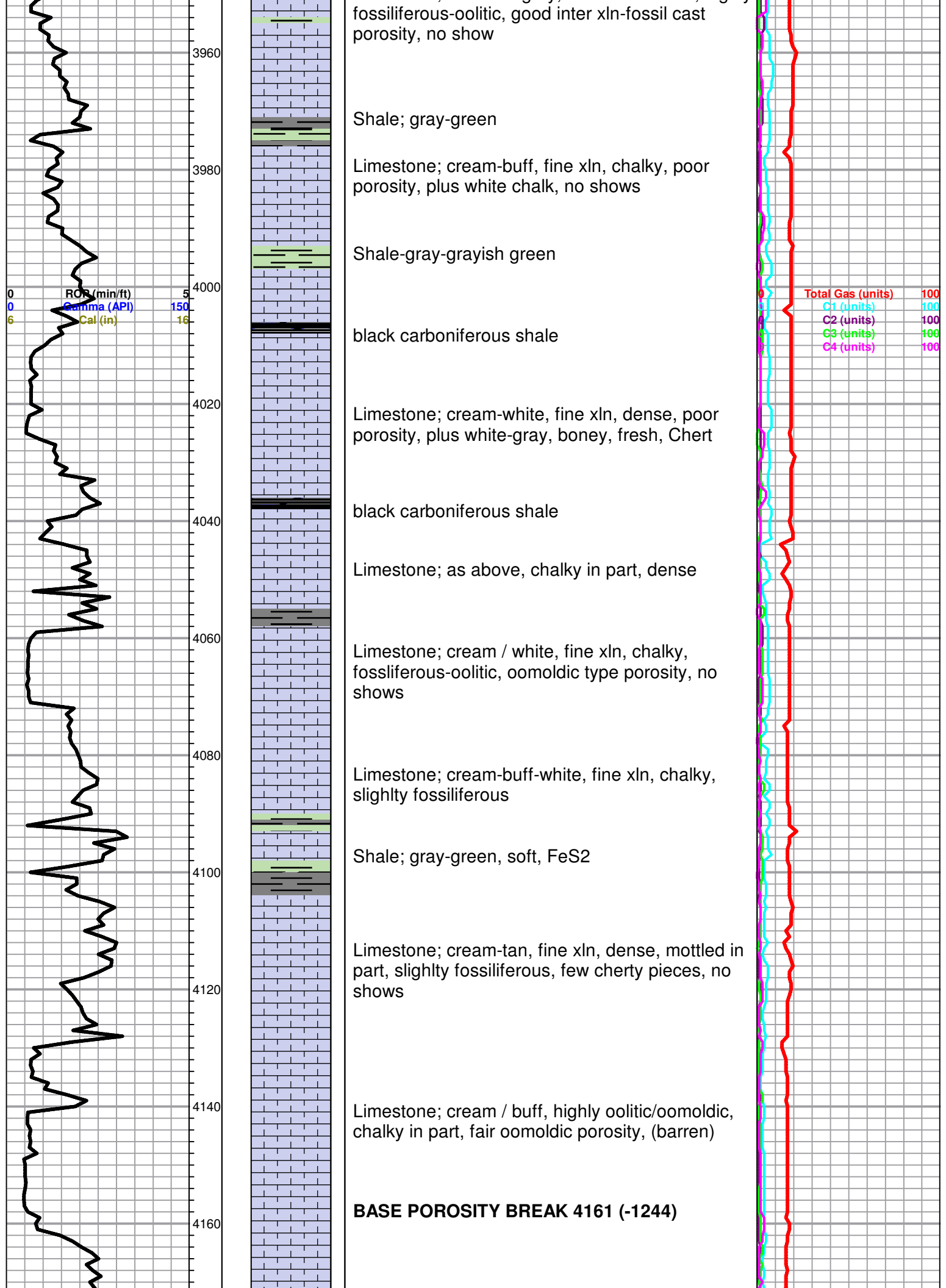
- DST**
-  DST Int
 -  DST alt
 -  Core
 -  tail pipe

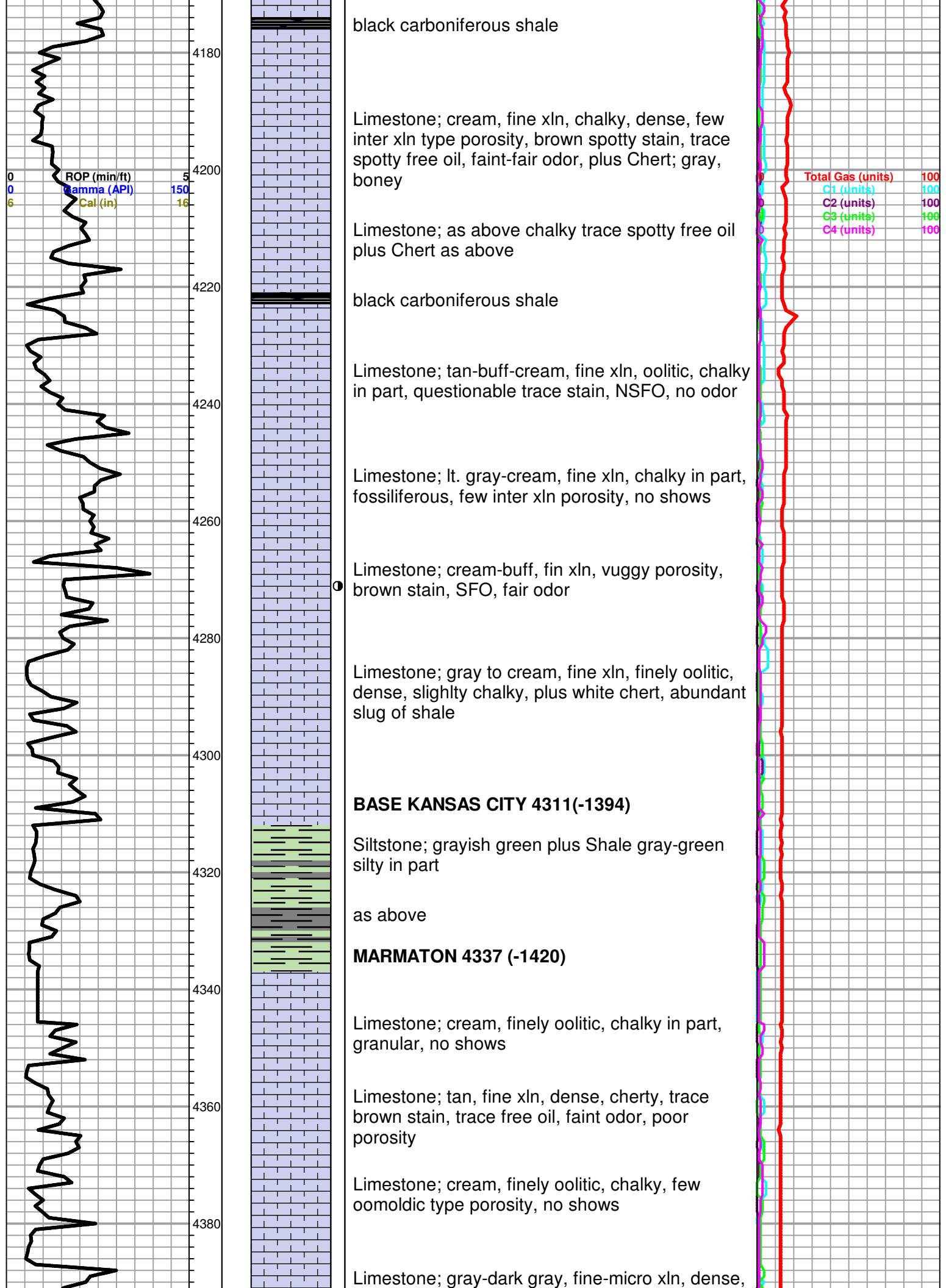
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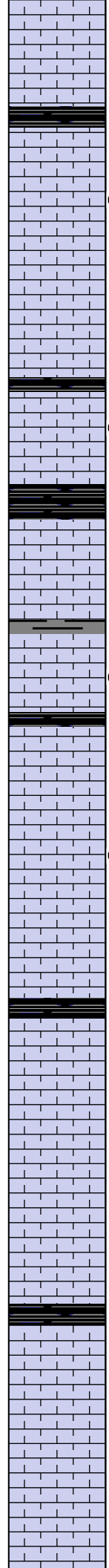
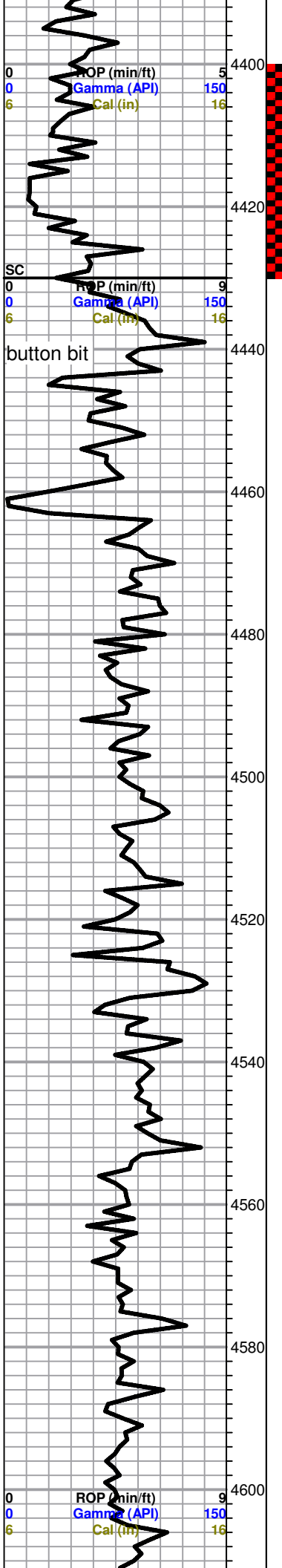












slightly cherty, poor porosity, no shows

black carboniferous shale

PAWNEE 4415 (-1498)
Limestone; cream, tan, fine xln, slightly fossiliferous, fair inter xln porosity, brown stain, trace free oil, faint odor

Limestone; tan-buff, fine xln, dense, cherty in part, few fossiliferous pieces, no shows

FT. SCOTT 4447 (-1530)
Limestone; cream-buff, fossiliferous, inter xln porosity, cherty, brown stain, spotty free oil, no odor

CHEROKEE SHALE 4460 (-1543)
black carboniferous shale

Limestone; cream-tan, finely oolitic, dense, plus Chert; amber-white, boney

Limestone; cream-white, finely oolitic, questionable trace spotty free oil.

black carboniferous shale

Limestone; cream-tan, fine xln, dense, cherty, poor visible porosity, Chert; amber-gray-white

Sand; clear-gray, glauconitic, "dirty", poorly sorted, fair intergranular porosity, trace dark brown stain, SFO, good odor when sample broke

black carboniferous shale

Limestone; cream-lt. gray, fine xln, slightly fossiliferous, dense, poor porosity, no shows

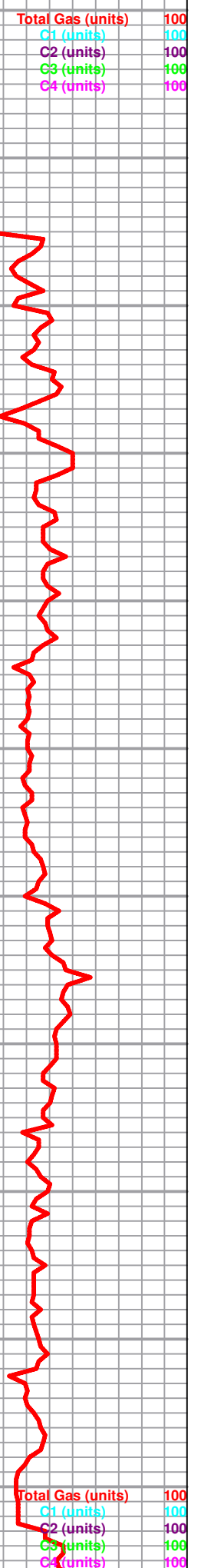
Limestone; as above plus white chalk

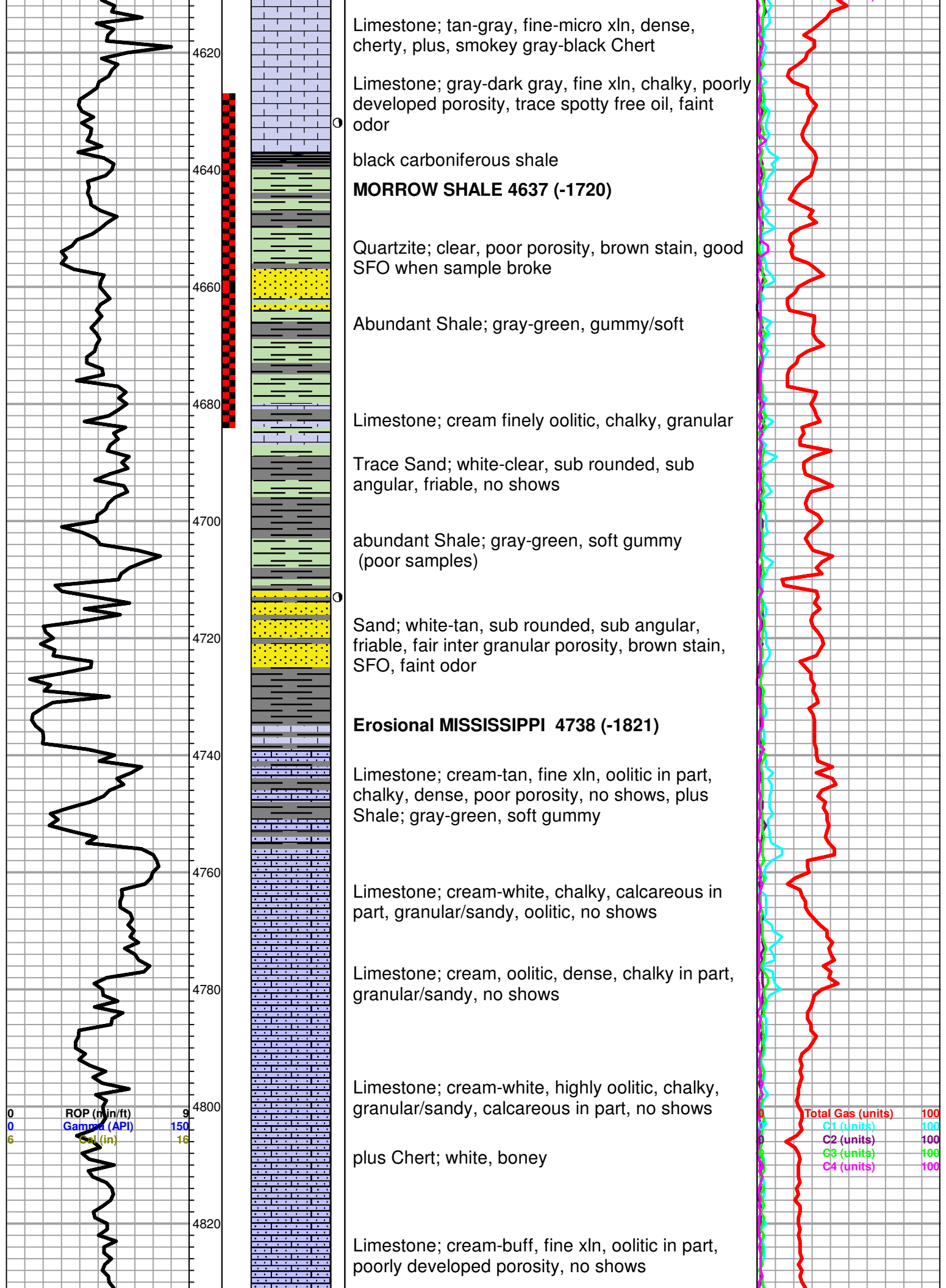
black carboniferous shale

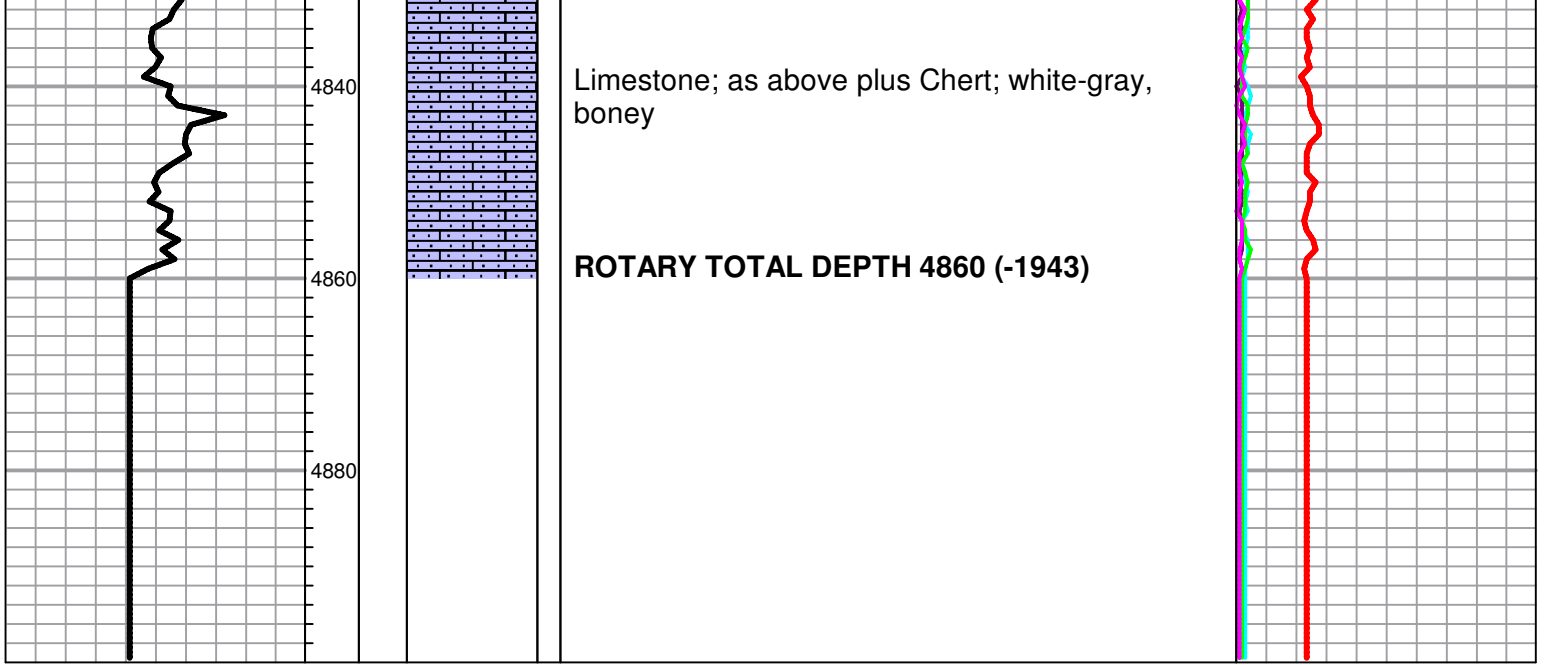
Limestone; cream, fine-medium xln, chalky

ATOKA 4578
Limestone; tan-buff-biege, fine-micro xln, dense, cherty, trace brown stain, NSFO, faint odor when sample broke

Limestone; as above









TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production

12-22s-34w Finney Ks

P.O. Box 354
Chase, Ks 67524

Garden City 9-12

ATTN: Josh Austin

Job Ticket: 64267

DST#: 1

Test Start: 2017.11.04 @ 19:18:06

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:02:36

Time Test Ended: 21:50:06

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: 4400.00 ft (KB) To 4430.00 ft (KB) (TVD)

Reference Elevations: 2917.00 ft (KB)

Total Depth: 4430.00 ft (KB) (TVD)

2904.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 13.00 ft

Serial #: 8166 Outside

Press@RunDepth: psig @ 4401.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.11.04

End Date:

2017.11.04

Last Calib.: 2017.11.04

Start Time: 19:18:11

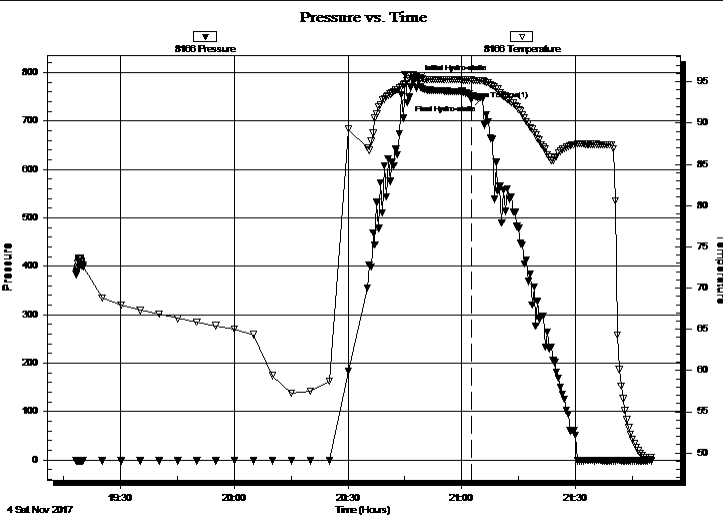
End Time:

21:50:06

Time On Btm: 2017.11.04 @ 20:48:36

Time Off Btm: 2017.11.04 @ 21:05:36

TEST COMMENT: Hit a Bridge on the way to bottom At 1586



PRESSURE SUMMARY

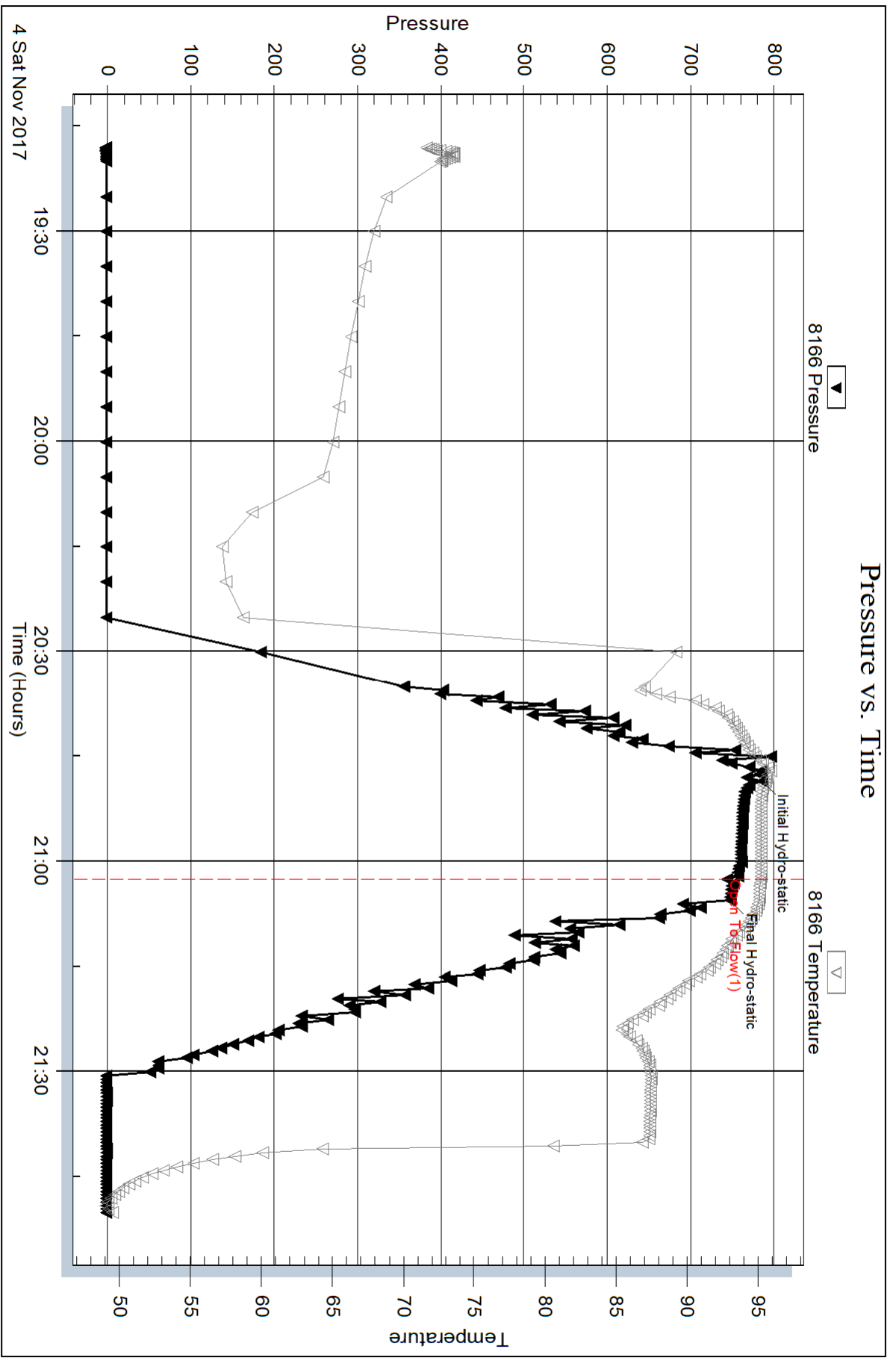
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 785.48 | 95.53 | Initial Hydro-static |
| 14 | 743.63 | 95.19 | Open To Flow (1) |
| 17 | 747.38 | 95.10 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production

12-22s-34w Finney Ks

P.O. Box 354
Chase, Ks 67524

Garden City 9-12

ATTN: Josh Austin

Job Ticket: 64268

DST#: 2

Test Start: 2017.11.05 @ 03:15:16

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:19:46

Time Test Ended: 10:15:46

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4400.00 ft (KB) To 4430.00 ft (KB) (TVD)

Reference Elevations: 2917.00 ft (KB)

Total Depth: 4430.00 ft (KB) (TVD)

2904.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8166 Outside

Press@RunDepth: 71.77 psig @ 4401.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.11.05

End Date:

2017.11.05

Last Calib.: 2017.11.05

Start Time: 03:15:21

End Time:

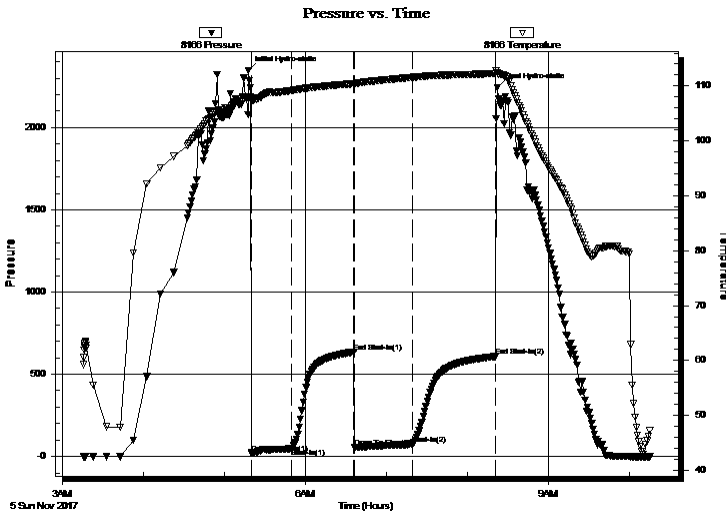
10:15:45

Time On Btm: 2017.11.05 @ 05:17:46

Time Off Btm: 2017.11.05 @ 08:22:16

TEST COMMENT: IF: 1/4 blow built to 4.
IS: No return.
FF: Surface blow built to 4.
FS: No return.

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2347.79 | 107.83 | Initial Hydro-static |
| 2 | 20.81 | 107.36 | Open To Flow (1) |
| 32 | 47.55 | 109.19 | Shut-In(1) |
| 78 | 634.70 | 110.43 | End Shut-In(1) |
| 79 | 55.79 | 110.24 | Open To Flow (2) |
| 122 | 71.77 | 111.57 | Shut-In(2) |
| 183 | 607.53 | 112.27 | End Shut-In(2) |
| 185 | 2243.86 | 112.37 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 60.00 | mw 50%w 50%m | 0.30 |
| 61.00 | ocm 10%o 90%m | 0.30 |
| 5.00 | free oil 100%0 | 0.07 |
| 0.00 | 63 GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production
P.O. Box 354
Chase, Ks 67524
ATTN: Josh Austin

12-22s-34w Finney Ks
Garden City 9-12
Job Ticket: 64268 **DST#: 2**
Test Start: 2017.11.05 @ 03:15:16

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 05:19:46 Tester: Brandon Turley
Time Test Ended: 10:15:46 Unit No: 79
Interval: **4400.00 ft (KB) To 4430.00 ft (KB) (TVD)** Reference Elevations: 2917.00 ft (KB)
Total Depth: 4430.00 ft (KB) (TVD) 2904.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 13.00 ft

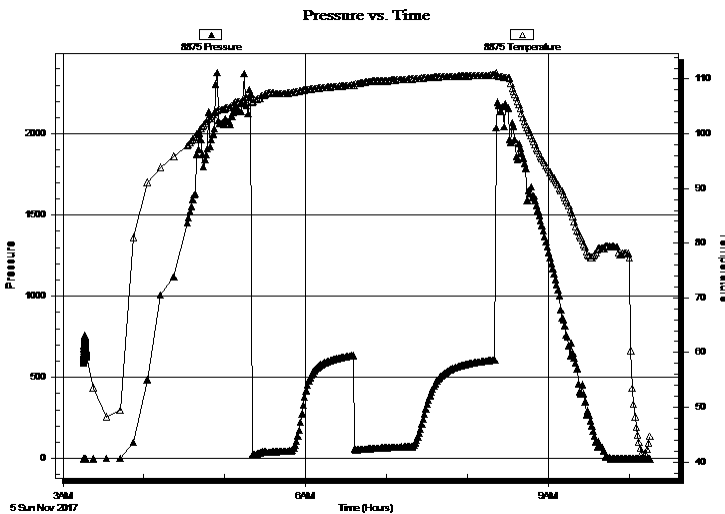
Serial #: 8875

Inside

Press@RunDepth: psig @ 4401.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.11.05 End Date: 2017.11.05 Last Calib.: 2017.11.05
Start Time: 03:15:20 End Time: 10:15:49 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 1/4 blow built to 4.
IS: No return.
FF: Surface blow built to 4.
FS: No return.

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
| | | | |
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Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 60.00 | mw 50%w 50%m | 0.30 |
| 61.00 | ocm 10%o 90%m | 0.30 |
| 5.00 | free oil 100%0 | 0.07 |
| 0.00 | 63 GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lebsack Oil Production

12-22s-34w Finney Ks

P.O. Box 354
Chase, Ks 67524

Garden City 9-12

Job Ticket: 64268

DST#: 2

ATTN: Josh Austin

Test Start: 2017.11.05 @ 03:15:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

31000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------|---------------|
| 60.00 | mw 50%w 50%m | 0.295 |
| 61.00 | ocm 10%o 90%m | 0.300 |
| 5.00 | free oil 100%0 | 0.073 |
| 0.00 | 63 GIP | 0.000 |

Total Length: 126.00 ft

Total Volume: 0.668 bbl

Num Fluid Samples: 0

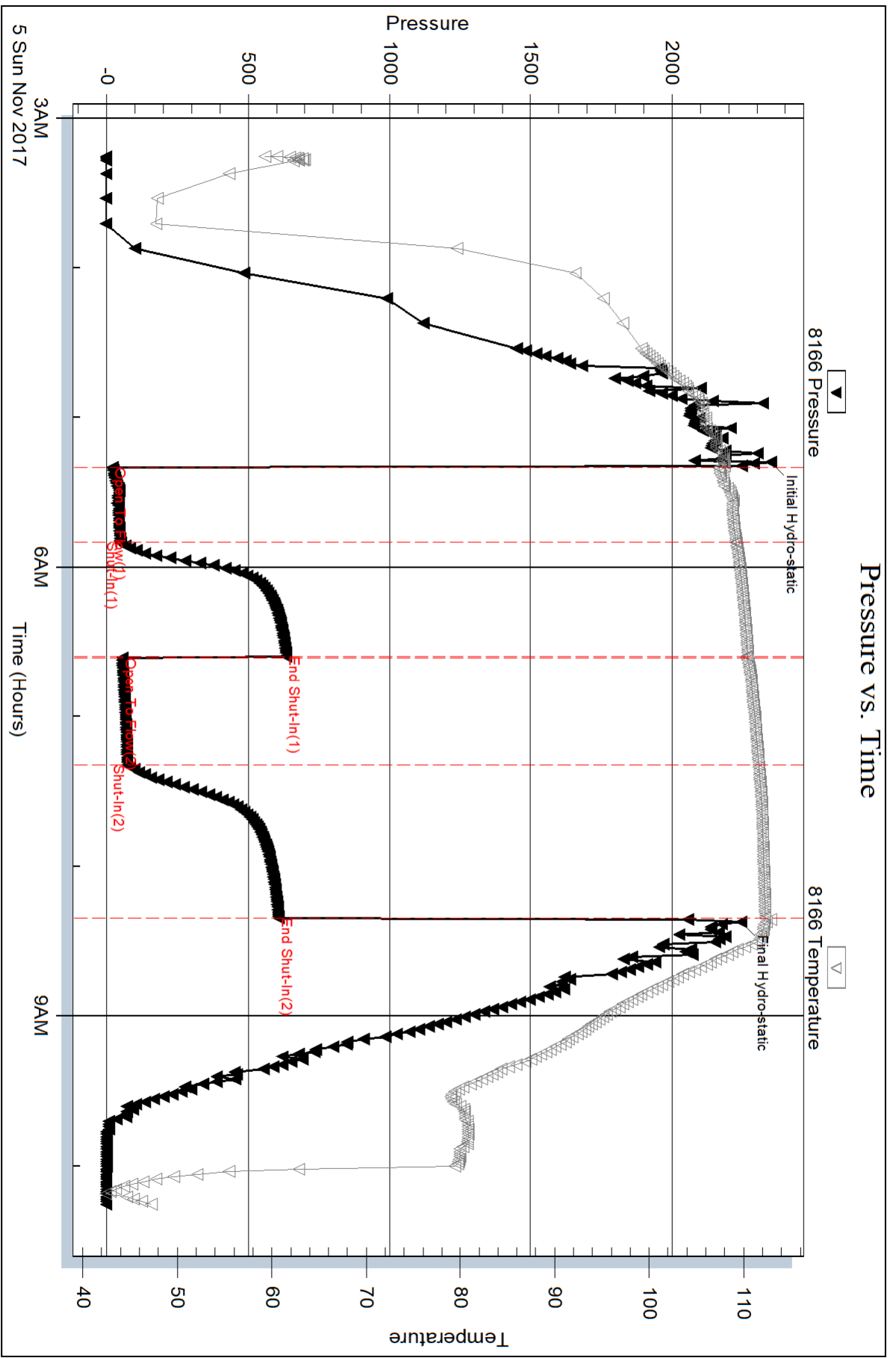
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .36@44=31000



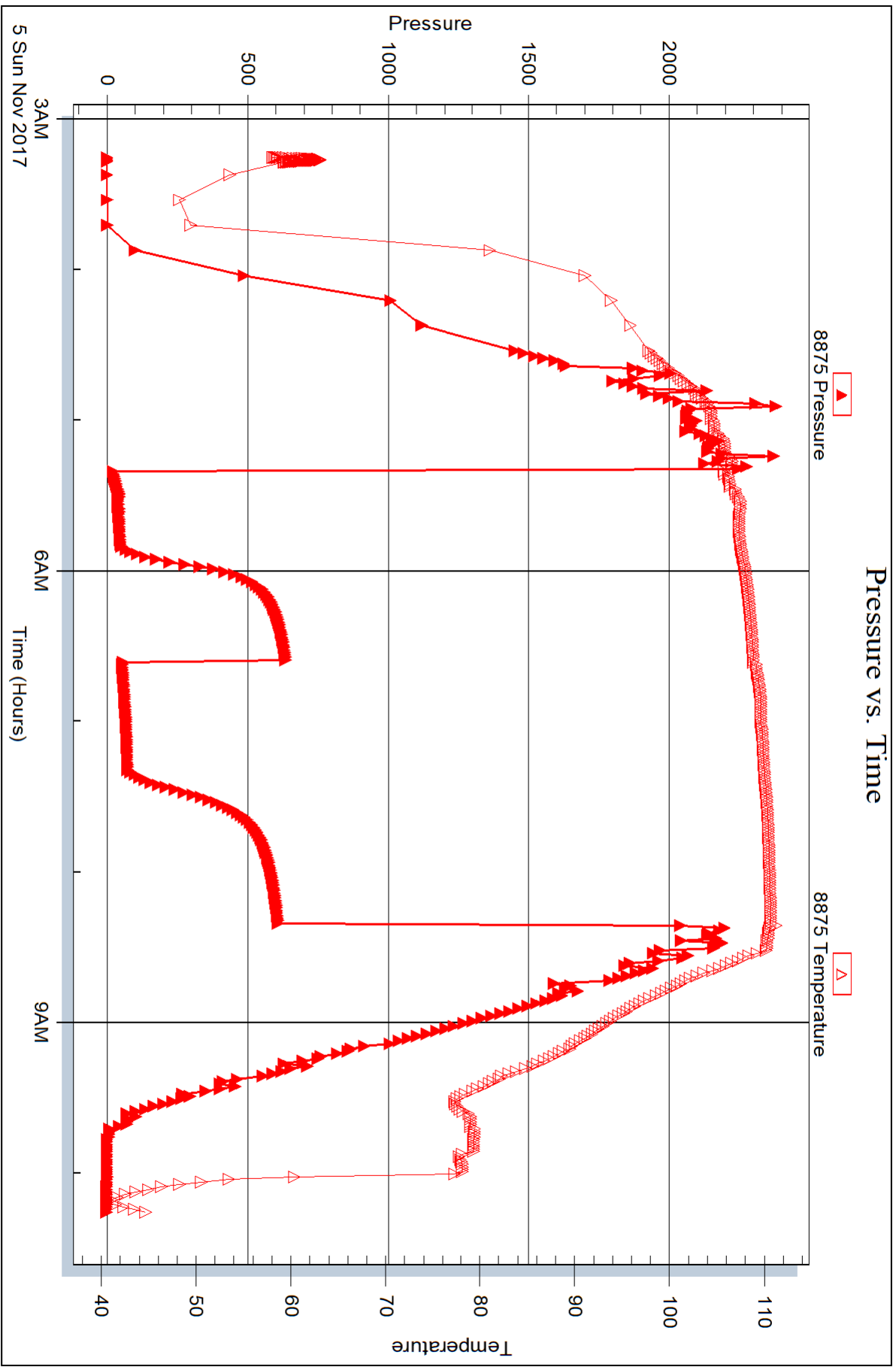
Serial #: 8875

Inside

Lebsack Oil Production

Garden City 9-12

DST Test Number: 2





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production

12-22s-34w Finney Ks

P.O. Box 354
Chase, Ks 67524

Garden City 9-12

ATTN: Josh Austin

Job Ticket: 64269

DST#: 3

Test Start: 2017.11.06 @ 14:56:04

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:55:04

Time Test Ended: 21:48:04

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4615.00 ft (KB) To 4683.00 ft (KB) (TVD)

Reference Elevations: 2917.00 ft (KB)

Total Depth: 4683.00 ft (KB) (TVD)

2904.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8166 Outside

Press@RunDepth: 77.93 psig @ 4616.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.11.06

End Date: 2017.11.06

Last Calib.: 2017.11.06

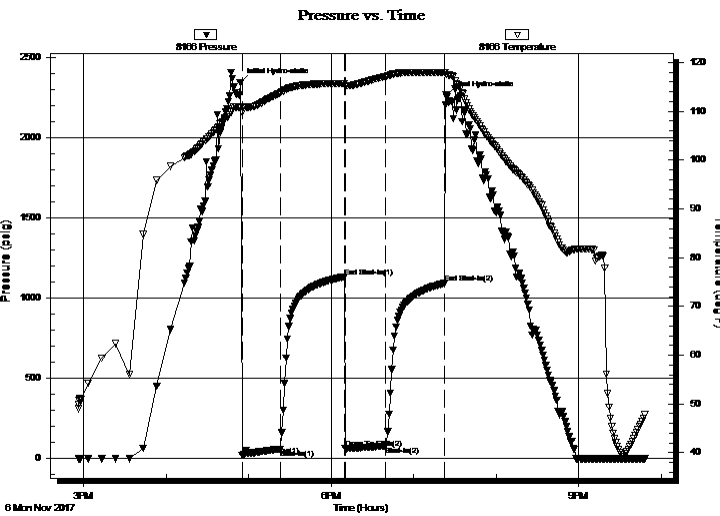
Start Time: 14:56:09

End Time: 21:48:03

Time On Btm: 2017.11.06 @ 16:53:34

Time Off Btm: 2017.11.06 @ 19:23:34

TEST COMMENT: IF: 1/4 blow built to 3.
IS: No return.
FF: Surface blow built to 1.
FS: No return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2341.82 | 110.91 | Initial Hydro-static |
| 2 | 21.19 | 109.88 | Open To Flow (1) |
| 30 | 57.93 | 113.83 | Shut-In(1) |
| 76 | 1132.92 | 115.73 | End Shut-In(1) |
| 77 | 62.29 | 115.33 | Open To Flow (2) |
| 106 | 77.93 | 117.16 | Shut-In(2) |
| 149 | 1091.78 | 117.91 | End Shut-In(2) |
| 150 | 2264.84 | 117.57 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 130.00 | mw 50%w 50%m | 1.02 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lebsack Oil Production

12-22s-34w Finney Ks

P.O. Box 354
Chase, Ks 67524

Garden City 9-12

Job Ticket: 64269

DST#: 3

ATTN: Josh Austin

Test Start: 2017.11.06 @ 14:56:04

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

41000 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3750.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------|---------------|
| 130.00 | mw 50%w 50%m | 1.018 |

Total Length: 130.00 ft Total Volume: 1.018 bbl

Num Fluid Samples: 0

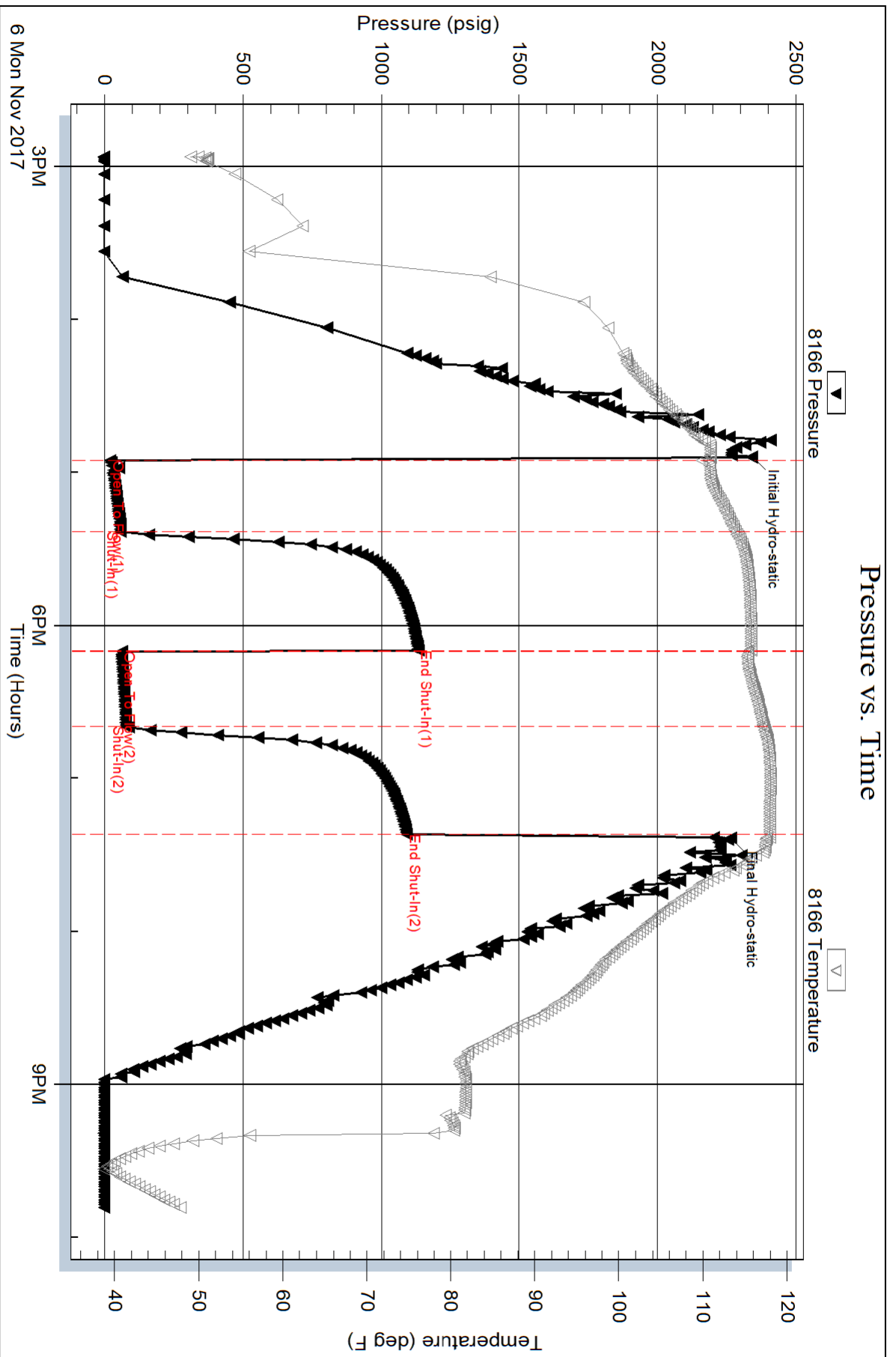
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .26@48=41000



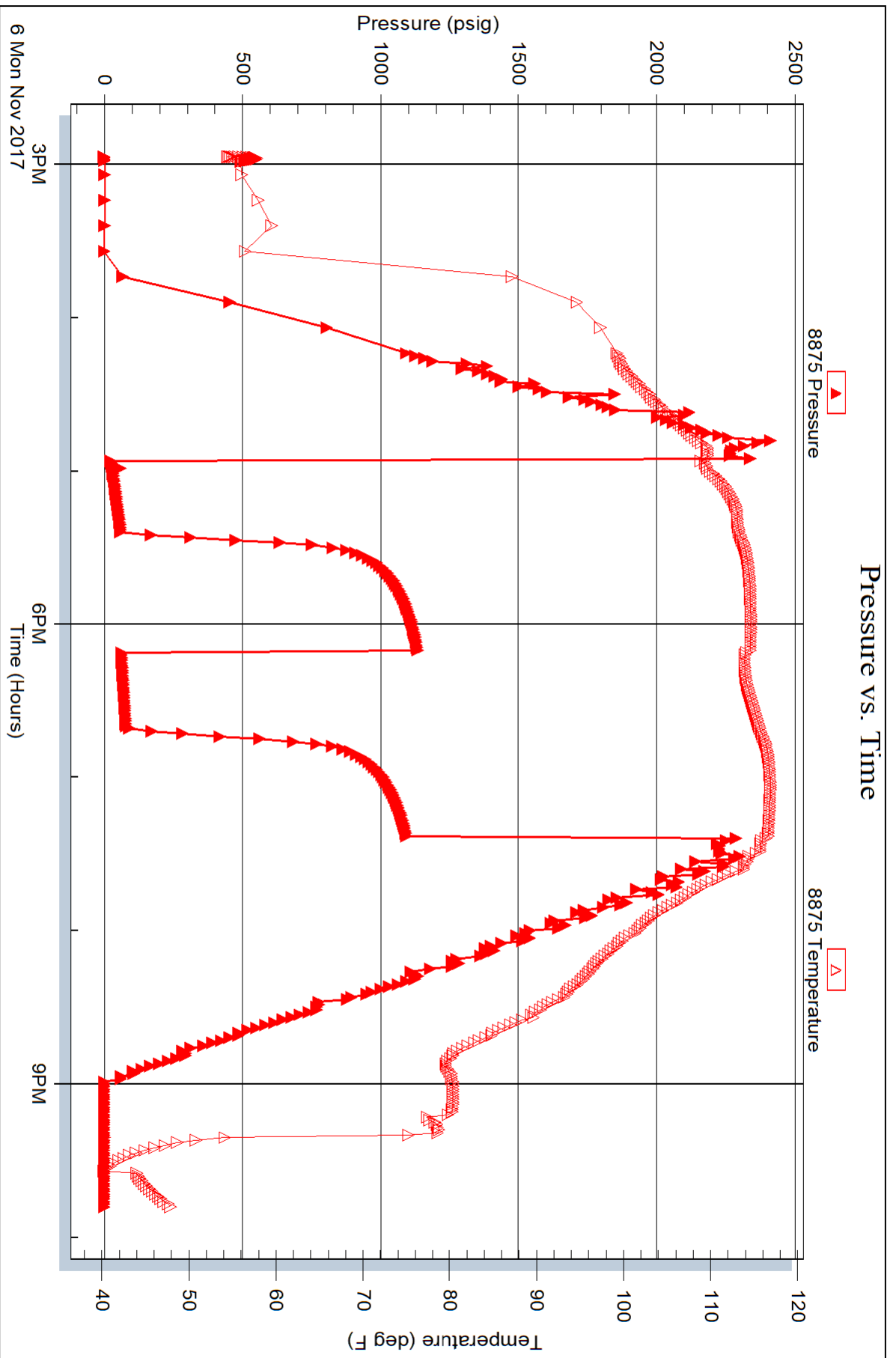
Serial #: 8875

Inside

Lebsack Oil Production

Garden City 9-12

DST Test Number: 3



| | | | | | |
|---------------|-------------------|-----------|-----------|--------|-------------------|
| Customer | Lebsiek Oil | Lease No. | | Date | 11/1/2017 |
| Lease | Garden City | Well # | 9-12 | | |
| Field Order # | 13473 | Station | Pratt, KS | Casing | 8 5/8 |
| | | | | Depth | 478 |
| | | | | County | Finner |
| | | | | State | KS |
| Type Job | 242/8 5/8 surface | | Formation | TD-481 | Legal Description |
| | | | | | 12-225-340 |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | | TREATMENT RESUME | | |
|-----------------|--------------|------------------|----|------------------|------------|------------------|------------------|--|
| Casing Size | Tubing Size | Shots/Ft | | Acid | RATE | PRESS | ISIP | |
| 8 5/8 | | | | | | | | |
| Depth 478 | Depth | From | To | Pre Pad | Max | | 5 Min. | |
| Volume 30 | Volume | From | To | Pad | Min | | 10 Min. | |
| Max Press | Max Press | From | To | Frac | Avg | | 15 Min. | |
| Well Connection | Annulus Vol. | From | To | | HHP Used | | Annulus Pressure | |
| Plug Depth 438 | Packer Depth | From | To | Flush Freshwater | Gas Volume | | Total Load | |

| | | | | | |
|-------------------------|--------------|-----------------|------------------|---------|----------------|
| Customer Representative | Lenny Saloss | Station Manager | Justin Westerman | Treater | Darin Franklin |
| Service Units | 92911 | 84881 | 19843 | 27808 | 19883 |
| Driver Names | Darin | Ed | Ed | Sanica | Scott |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|--------|-----------------|-----------------|--------------|------|-----------------------------------|
| 3:30pm | | | | | ON LOCATION / SAFETY MEETING |
| | | | | | 350 SK Premium Plus Cement |
| | | | | | 2% Calcium Chloride, 1/4 Polyblet |
| | | | | | 14.8 pps, 1.34 Vels, 6.33 wgr |
| 5:15pm | 200 | | 3 | 5 | Pump 3 bbls water |
| | 200 | | 83 | 5 | mix 350 SK Cement |
| | 200 | | 29 | 5 | Displace 29 bbls water |
| 5:45pm | | | | | Shut in |
| | | | | | |
| | | | | | Cement did Circulate - 10 bbls |
| | | | | | |
| | | | | | Job complete / Darin & crew |
| | | | | | Thank you! |



ASIC Energy services, L.P.

TREATMENT REPORT

| | | |
|--|--|--------------------------|
| Customer Lebbeck Oil Production Inc. | Lease No. | Date 11/8/2017 |
| Lease Golden City | Well # 9-12 | |
| Field Order # 15500 | Station Pratt, KS | Casing 4 1/2 |
| Type Job 242/PTA | Depth 2070' | County Finney |
| | Formation | State KS |
| | Legal Description 12-275-340 | |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | | TREATMENT RESUME | | |
|-------------------|--------------|------------------|----|----------------------------|------------|------------------|-------|------------------|
| Casing Size | Tubing Size | Shots/Ft | | Acid | | RATE | PRESS | ISIP |
| 2 3/4 | | | | | | | | |
| Depth 2070 | Depth | From | To | Pre Pad | Max | | | 5 Min. |
| Volume 29 | Volume | From | To | Pad | Min | | | 10 Min. |
| Max Press | Max Press | From | To | Frac | Avg | | | 15 Min. |
| Well Connection | Annulus Vol. | From | To | | HHP Used | | | Annulus Pressure |
| Plug Depth | Packer Depth | From | To | Flush mod, water | Gas Volume | | | Total Load |

| | | |
|--|--|----------------------------------|
| Customer Representative Allen Lottos | Station Manager Derwin Westerman | Treater Derin Franklin |
|--|--|----------------------------------|

| | | | | | | | | | |
|---------------|--------------|---------------|---------------|---------------|---------------|--|--|--|--|
| Service Units | 92911 | 84981 | 19843 | 19960 | 19860 | | | | |
| Driver Names | Derin | McGrew | McGrew | Clymer | Clymer | | | | |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|---------------|-----------------|-----------------|--------------|----------|--|
| 6:00am | | | | | on location / safety meeting |
| | | | | | 250 SK 60/40 POZ, 4% Gel, 1/4# |
| | | | | | cellulose, 13, 78ppm, 1.63 v. 10, 5.42 wcr. |
| | | | | | 2070' |
| 8:45am | 300 | | 8 1/2 | 5 | Pump 8 1/2 water |
| | 300 | | 13 | 5 | mix 50 SK cement |
| | 300 | | 3 | 5 | Displace 3 bbls water |
| | 300 | | 19 | 5 | 19 bbls mod |
| | | | | | 1050' |
| | 200 | | 15 | 5 | Pump 15 bbls water |
| | 200 | | 23 | 5 | mix 80 SK cement |
| | 200 | | 5 | 5 | Displace 5 bbls water |
| | | | | | 510' |
| | 100 | | 3 | 5 | Pump 3 bbls water |
| | 100 | | 13 | 5 | mix 50 SK cement |
| | 100 | | 1 | 5 | Displace 1 bbl water |
| | 50 | | 5 | 3 | 60' - 20 SK cement |
| | 50 | | 13 | 3 | RH - 30 SK mix - 20 SK |