

**MUD LOG**  
**WellSight Systems**

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

Well Name: A New Hope  
API: 15-135-26145  
Location: 903 FNL - 971 FEL - Sec. 32 - Twp. 19S - 25W  
License Number: 30742  
Spud Date: 01/18/2022  
Surface Coordinates:  
Region: Kansas  
Drilling Completed: 01/25/2022

Bottom Hole  
Coordinates:  
Ground Elevation (ft): 2452  
Logged Interval (ft): 3600  
Formation: Mississippi @ Total Depth  
Type of Drilling Fluid: Chemical Mud  
K.B. Elevation (ft): 2460  
Total Depth (ft): 4575  
To: T.D

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

**OPERATOR**

Company: Palomino Petroleum, Inc  
Address: 4924 SE 84TH ST  
Newton KS 67114

**GEOLOGIST**

Name: Keaton Jones  
Company: Rockhound Petroleum, LLC  
Address: 255 NE 30th  
St. John KS 67576  
(620)-546-4010

**Well Tops Comparison**

| Lease: A New Hope |      |       |       | Lease: Baus Trust G 1 |      |       |
|-------------------|------|-------|-------|-----------------------|------|-------|
| KB                | 2460 |       | Strat | KB                    | 2459 |       |
| Formation         | Top  | Datum | Comp  | Formation             | Top  | Datum |
| Anhy              | 1801 | 659   | 5     | Anhy                  | 1805 | 654   |
| Heebner           | 3805 | -1345 | 9     | Heebner               | 3813 | -1354 |
| Toronto           | 3828 | -1368 | 6     | Toronto               | 3833 | -1374 |
| Lansing           | 3849 | -1389 | 8     | Lansing               | 3856 | -1397 |
| BKC               | 4139 | -1679 | 8     | BKC                   | 4146 | -1687 |
| Marm              | 4203 | -1743 | 0     | Marm                  | 4202 | -1743 |
| Pawnee            | 4260 | -1800 | 7     | Pawnee                | 4266 | -1807 |
| Fort Scott        | 4340 | -1880 | 6     | Fort Scott            | 4345 | -1886 |
| Cherokee          | 4368 | -1908 | 3     | Cherokee              | 4370 | -1911 |
| Miss              | 4442 | -1982 | 0     | Miss                  | 4441 | -1982 |



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Palomino Petroleum

4924 SE 84th St.  
Newton, KS 67114

ATTN: Keaton Jones

5\_17\_24 Ness, KS

**A New Hope #1**

Job Ticket: 68329

DST#: 1

Test Start: 2022.01.24 @ 05:18:00

### GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 07:22:15

Time Test Ended: 12:24:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: **4386.00 ft (KB) To 4475.00 ft (KB) (TVD)**

Total Depth: **4475.00 ft (KB) (TVD)**

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

Reference Elevations: **2460.00 ft (KB)**

**2452.00 ft (CF)**

KB to GR/CF: **8.00 ft**

**Serial #: 6625**

**Inside**

Press@RunDepth: **87.05 psig @ 4387.00 ft (KB)**

Start Date: **2022.01.24**

End Date:

2022.01.24

Capacity: **8000.00 psig**

Last Calib.: **2022.01.24**

Start Time: **05:18:05**

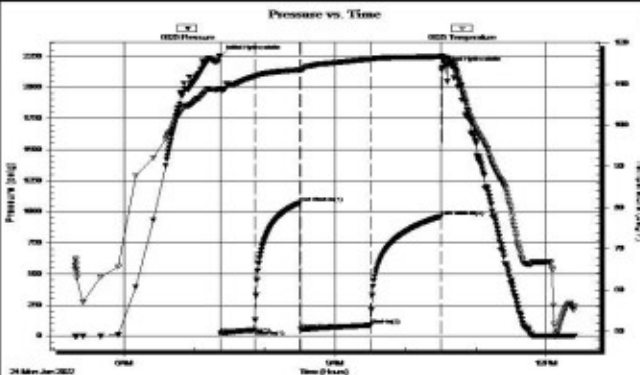
End Time:

12:24:29

Time On Btm: **2022.01.24 @ 07:22:00**

Time Off Btm: **2022.01.24 @ 10:31:00**

TEST COMMENT: F-30- Built to 3 1/2"  
S11-30- No return  
FF-60- Built to 6 1/2"  
S2-60- No return



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2253.53         | 108.84       | Initial Hydro-static |
| 1           | 20.49           | 108.53       | Open To Flow (1)     |
| 30          | 46.99           | 111.80       | Shut-In(1)           |
| 68          | 1070.59         | 113.39       | End Shut-In(1)       |
| 69          | 52.38           | 113.40       | Open To Flow (2)     |
| 128         | 87.05           | 116.04       | Shut-In(2)           |
| 188         | 961.22          | 116.60       | End Shut-In(2)       |
| 189         | 2161.13         | 116.74       | Final Hydro-static   |

### Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 10.00       | Oil 100%           | 0.14         |
| 82.00       | OCM 97% mud 3% Oil | 1.15         |
| 63.00       | Mud 100%           | 0.88         |
| 0.00        | 470' GP            | 0.00         |
|             |                    |              |
|             |                    |              |

### Gas Rates

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

TriLOBite Testing, Inc

Ref. No: 68329

Printed: 2022.01.24 @ 13:06:29



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Palomino Petroleum

4924 SE 84th St.  
Newton, KS 67114

ATTN: Keaton Jones

5\_17\_24 Ness, KS

**A New Hope #1**

Job Ticket: 68330

DST#: 2

Test Start: 2022.01.25 @ 04:47:00

### GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 07:29:30

Time Test Ended: 12:56:30

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: **4310.00 ft (KB) To 4378.00 ft (KB) (TVD)**

Total Depth: 4573.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2460.00 ft (KB)

2452.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8652**

**Outside**

Press@RunDepth: 32.07 psig @ 4311.00 ft (KB)

Start Date: 2022.01.25

End Date:

2022.01.25

Capacity: 8000.00 psig

Last Calib.: 2022.01.25

Start Time: 04:47:05

End Time:

12:56:29

Time On Btm: 2022.01.25 @ 07:29:00

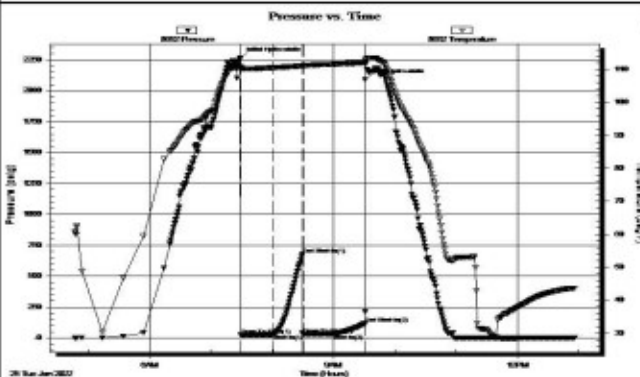
Time Off Btm: 2022.01.25 @ 09:31:00

**TEST COMMENT:** F-30- Built to 1 1/2"

S11-30- No return

FF-30- Weak surface blow, died in 10 min.

S2-30- No blow



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2267.94         | 110.79       | Initial Hydro-static |
| 1           | 21.86           | 109.99       | Open To Flow (1)     |
| 32          | 27.37           | 110.55       | Shut-In(1)           |
| 61          | 675.82          | 111.07       | End Shut-In(1)       |
| 62          | 28.76           | 111.06       | Open To Flow (2)     |
| 92          | 32.07           | 111.61       | Shut-In(2)           |
| 122         | 116.21          | 112.00       | End Shut-In(2)       |
| 122         | 2089.82         | 113.00       | Final Hydro-static   |

### Recovery

| Length (ft) | Description                 | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 15.00       | Mud 100% oilm spots in tool | 0.07         |
|             |                             |              |
|             |                             |              |
|             |                             |              |
|             |                             |              |

\* Recovery from multiple tests

### Gas Rates

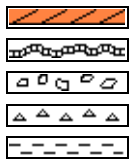
|  | Choke (inches) | Pressure (psig) | Gas Rate (Mc/d) |
|--|----------------|-----------------|-----------------|
|--|----------------|-----------------|-----------------|

Triobite Testing, Inc

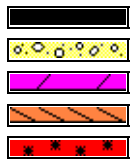
Ref. No: 68330

Printed: 2022.01.25 @ 13:21:47

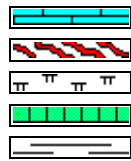
## ROCK TYPES



Anhy  
Bent  
Brec  
Cht  
Clyst



Coal  
Congl  
Dol  
Gyp  
Igne



Lmst  
Meta  
Mrlst  
Salt  
Shale



Shcol  
Shgy  
Sltst  
Ss  
Till



Cfs

## ACCESSORIES

### MINERAL

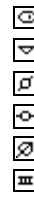
Anhy  
Arggrn  
Arg  
Bent  
Bit  
Brecfrag  
Calc  
Carb  
Chtdk  
Chtlt  
Dol  
Feldspar  
Ferrpel  
Ferr  
Glau



Gyp  
Hvymin  
Kaol  
Marl  
Minxl  
Nodule  
Phos  
Pyr  
Salt  
Sandy  
Silt  
Sil  
Sulphur  
Tuff

### FOSSIL

Algae  
Amph  
Belm  
Bioclst  
Brach  
Bryozoa  
Cephal  
Coral  
Crin  
Echin  
Fish  
Foram  
Fossil  
Gastro  
Oolite



Ostra  
Pelec  
Pellet  
Pisolite  
Plant  
Strom

### STRINGER

Anhy  
Arg  
Bent  
Coal  
Dol  
Gyp  
Ls  
Mrst

Siltstrg  
Ssstrg

### TEXTURE

Boundst  
Chalky  
Cryxln  
Earthy  
Finexln  
Grainst  
Lithogr  
Microxln  
Mudst  
Packst  
Wackest

## OTHER SYMBOLS

### POROSITY

Earthy  
Fenest  
Fracture  
Inter  
Moldic  
Organic  
Pinpoint



Vuggy

### SORTING

Well  
Moderate  
Poor

### ROUNDING

Rounded  
Subrnd  
Subang  
Angular



Even  
Spotted  
Ques

### INTERVAL

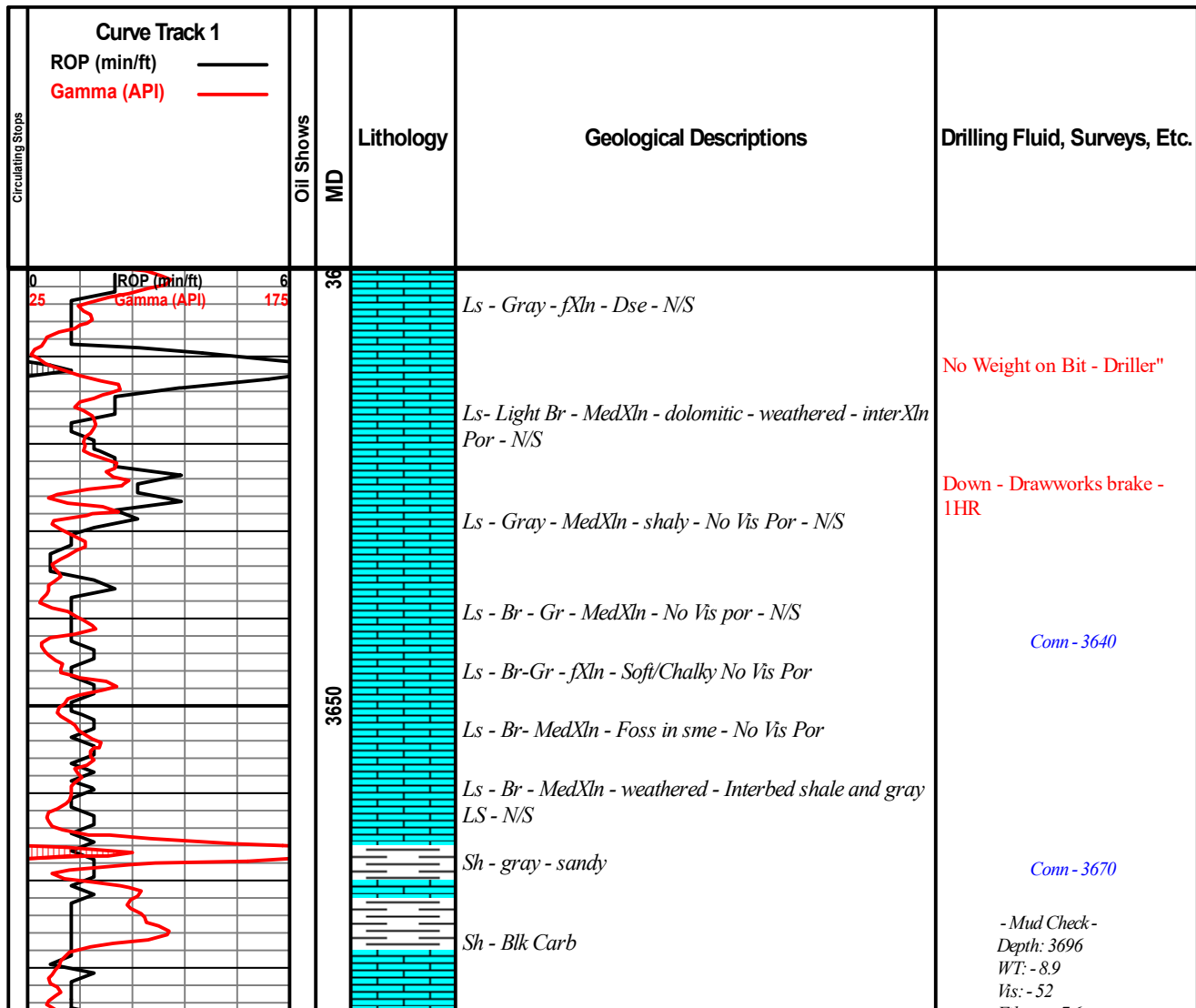
Core  
Dst 2  
Dst

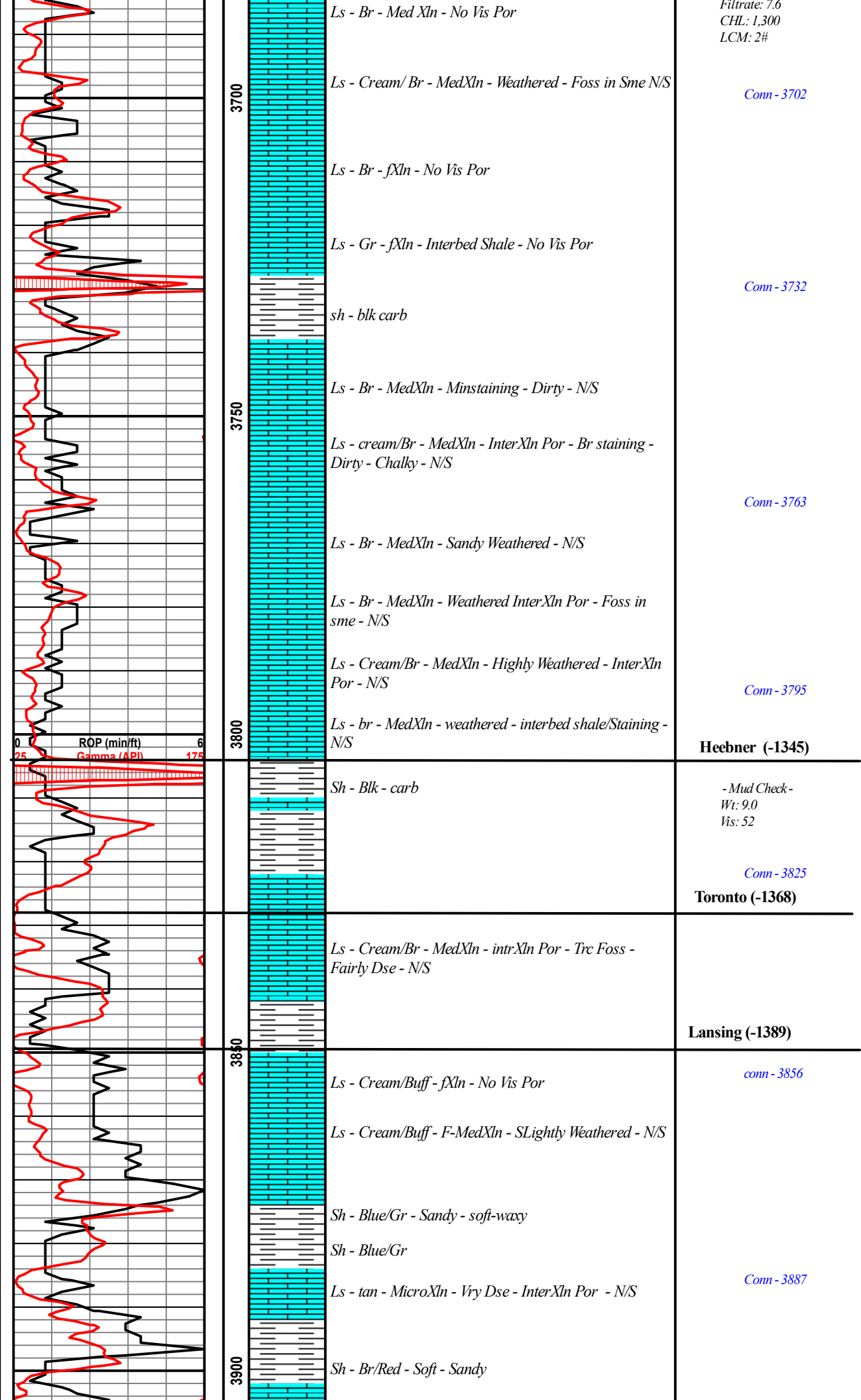
### EVENT

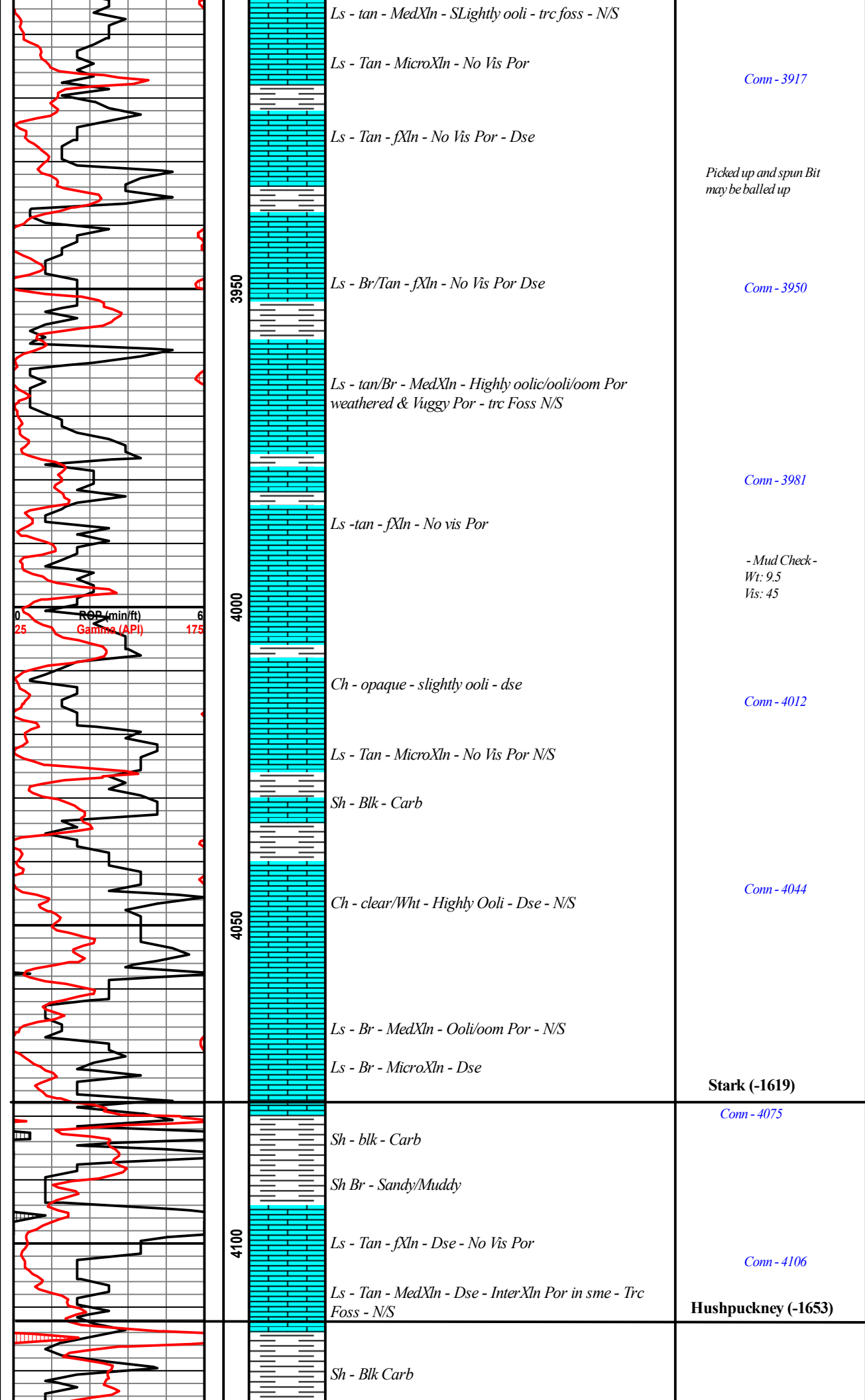
Rft  
Sidewall

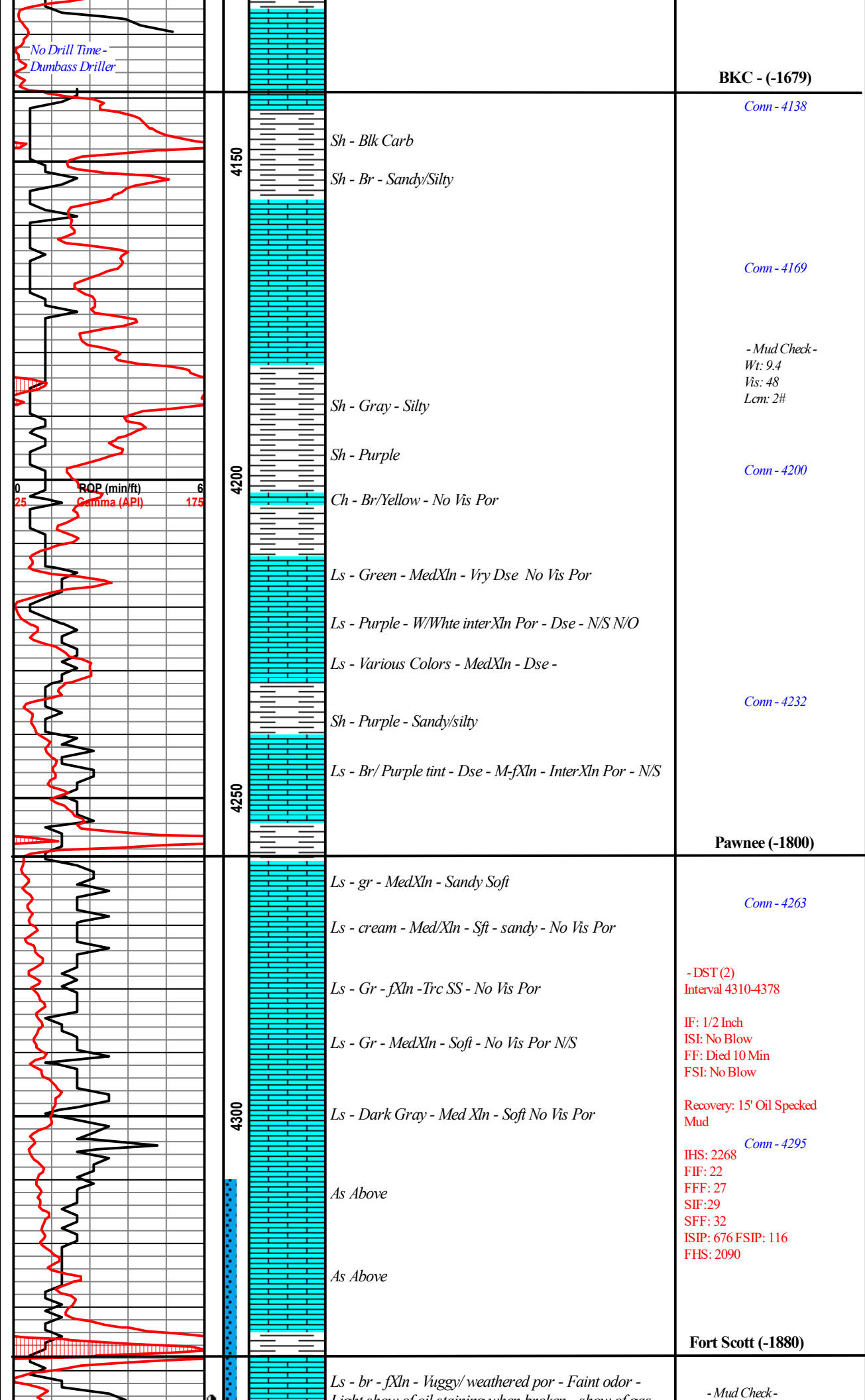
### OIL SHOW

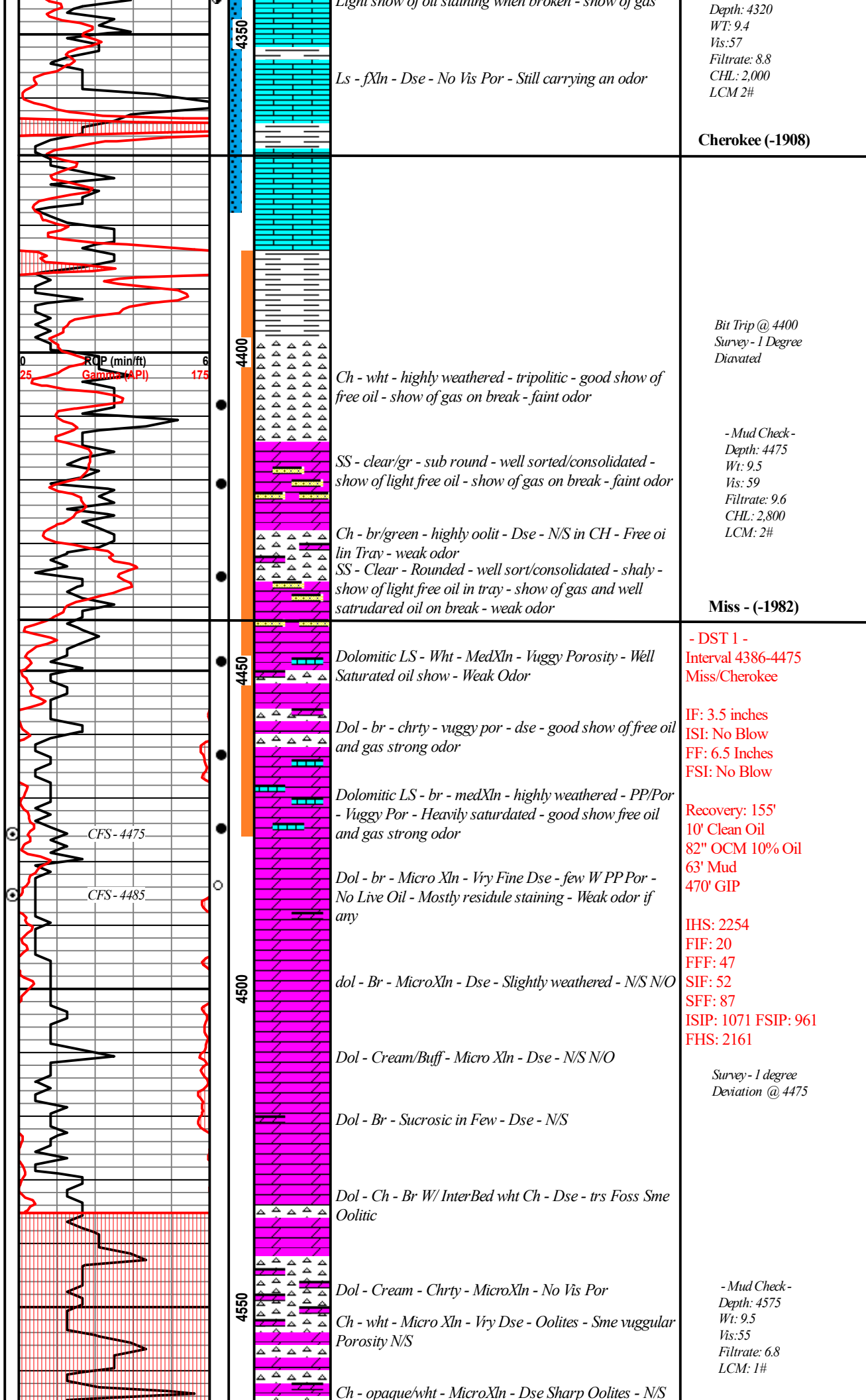
Cfs



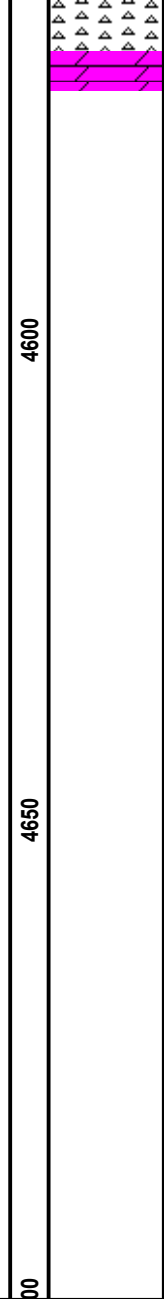
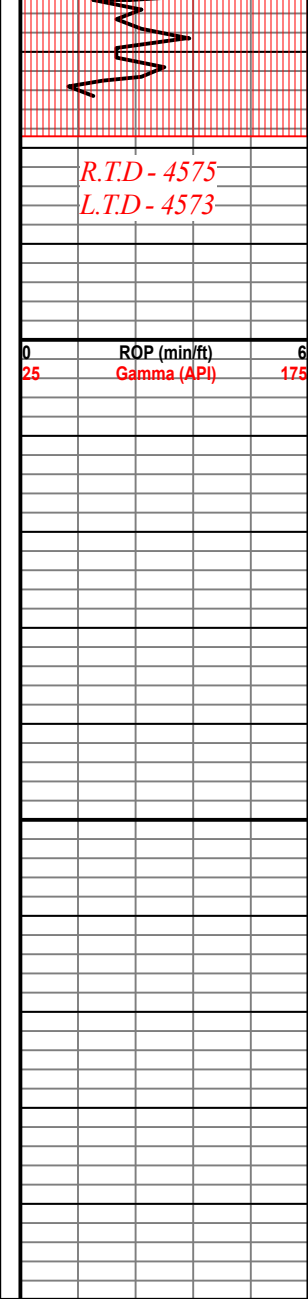












Survey - 1 degree  
Deviation @ 4575