



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1231315  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

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       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- 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 ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

|                                   |                 |   |
|-----------------------------------|-----------------|---|
| Spud Date or<br>Recompletion Date | Date Reached TD | Completion Date or<br>Recompletion Date |
|-----------------------------------|-----------------|---|

API No. 15 - \_\_\_\_\_

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
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1231315

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<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>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<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone |                  |                |              |                            |
|  |                  |                |              |                            |

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 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)*

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |

|                |       |         |            |   |
|----------------|-------|---------|------------|---|
| TUBING RECORD: | Size: | Set At: | Packer At: | Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No |
|----------------|-------|---------|------------|---|

|   |  |         |             |                       |
|---|--|---------|-------------|-----------------------|
| Date of First, Resumed Production, SWD or ENHR. | Producing Method:<br><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 |

|  |  |   |
|--|--|---|
| <b>DISPOSITION OF GAS:</b><br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | <b>METHOD OF COMPLETION:</b><br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ | <b>PRODUCTION INTERVAL:</b><br>_____<br>_____ |
|--|--|---|



# Adam Eldani Geo-Log/Report

## WellSight Systems

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

Measured Depth Log

Well Name: #1 HOWARD 26A  
Location: SEC 26 -TOWNSHIP 2S- RANGE 33W RAWLINS COUNTY  
License Number: API 15-153-21044 Region: CAMBRIDGE ARCH  
Spud Date: 08/05/2014 Drilling Completed: 08/16/201  
Surface Coordinates: 717' FNL & 945' FEL  
57' S & 45' E of W/2 NE NE  
Bottom Hole Deviation Surveys are detailed through out the Geo-Report.  
Coordinates:  
Ground Elevation (ft): 2839' K.B. Elevation (ft): 2844'  
Logged Interval (ft): 3300' To: 4500' Total Depth (ft): 4503'  
Formation: Mississippian  
Type of Drilling Fluid: Mud-Co Chemical

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

### OPERATOR

Company: Ritchie Exploration Inc. (drilled by WW RIG: #4)  
Address: 8100 E. 22nd ST. N. #700  
Wichita, KS, 67278-3188

### GEOLOGIST

Name: Adam M.A. Eldani  
Company: Ritchie Exploration Inc.  
Address: 8100 E. 22nd ST. N. #700  
Wichita, KS, 67278-3188



## Tops & Drill Report

### TOPS: DRILLING REPORT

#### Sample Tops:

|                         |                         |
|-------------------------|-------------------------|
| Anhydrite: 2615'+229    | Anhydrite: 2619'+225    |
| B/Anhydrite: 2650'+194  | B/Anhydrite: 2653'+191  |
| Stotler: 3408'-564      | Stotler: 3414'-570      |
| Oread: 3736'-892        | Oread: 3746'-902        |
| Heebner: 3749'-905      | Heebner: 3760'-916      |
| Lansing: 3794'-950      | Lansing: 3800'-956      |
| Muncie Sh: 3911'-1067   | Muncie Sh: 3919'-1075   |
| Stark Sh: 3996'-1152    | Stark Sh: 3998'-1154    |
| Hush: 4024'-1180        | Hush: 4028'-1184        |
| BKC: 4043'-1199         | BKC: 4050'-1206         |
| Pawnee: 4163'-1319      | Pawnee: 4166'-1322      |
| Cherokee Sh: 4220'-1376 | Cherokee Sh: 4224'-1380 |
| Miss: 4408'-1564        | Miss: 4410'-1566        |
| RTD: 4500'-1656         | LTD: 4503'-1659         |

#### DAILY DRILLING REPORT:

##### DATE DEPTH:

|      |       |
|------|-------|
| 8/05 | SPUD  |
| 8/06 | 259'  |
| 8/07 | 755'  |
| 8/08 | 2196' |
| 8/09 | 3305' |
| 8/10 | 3730' |
| 8/11 | 3857' |
| 8/12 | 3895' |
| 8/13 | 3987' |
| 8/14 | 4042' |
| 8/15 | 4262' |
| 8/16 | 4500' |

#### Misc.

All DST's info. are NEAR the correct log depth.

RIG: WW RIG: #4  
TOOL PUSHER: Mark Biggie  
MUD: MUD CO. (Reid Atkins)  
GAS DETECTOR: N/A

DRILL STEM TEST'S: DIAMOND Testing, LLC.

LOGS: NABORS (IAN MABB)

OFFICE: PETER FIORINI

## Comments

Moved in and rigged up. Spud at 1:00 p.m. Ran 6 jts new 23# 8-5/8" surface casing. Tally at 252.47', set at 259'. Cemented with 175 sacks common, 2% gel, 3% cc. Cement did circulate. Plug down at 6:30 p.m. Drilled out plug at 3:15 a.m. on 8/7/14.

**AFTER THE RESULTS OF SAMPLE LOGGING, ELECTRIC LOGGING, AND ALL DST TESTS ANALYSIS & CALCULATIONS; IT WAS ELECTED TO PLUG & ABANDON THE #1 HOWARD 26A-**

Plug and Abandon. 1st plug set at 2650' with 50 sacks 60/40 Poz, 4% gel, ¼# flocele; 2nd plug set at 1900' with 100 sacks; 3rd plug set at 300' with 50 sacks; 4th plug set at 40' with 10 sacks and 30 sacks in the rat hole 210 total sacks. Job complete at 11:30 a.m. Plugging orders by Case Morris with the KCC.


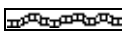
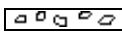


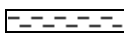







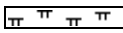
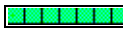
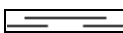
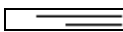
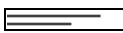




Well Log Surveys BY: NABORS. Compensated Denisty/ Neutron Log, Dual Induction.

SAMPLES WILL BE DEPOSITED WITH KANSAS GEOLOGICAL SURVEY.































































RESPECTFULLY SUBMITTED

Adam M. A. Eldani

### ROCK TYPES

|  |   |  |   |  |
|--|---|--|---|--|
|  Anhy<br> Bent<br> Brec<br> Carb sh<br> Cht |  Clyst<br> Coal<br> Congl<br> Dol<br> Gyp |  Igne<br> Lmst<br> Meta<br> Mrlst<br> Salt |  Shale<br> Shcol<br> Shgy<br> Sltst<br> Ss |  Till<br> Red shale |
|--|---|--|---|--|

### ACCESSORIES

|   |   |  |   |  |
|---|---|--|---|--|
| <b>MINERAL</b><br> Anhy<br> Arggrn<br> Arg<br> Bent<br> Bit<br> Brecfrag<br> Calc<br> Carb<br> Chtdk<br> Chtlt<br> Dol<br> Feldspar<br> Ferrpel<br> Ferr<br> Glau<br> Gyp |  Hvymin<br> Kaol<br> Marl<br> Minxl<br> Nodule<br> Phos<br> Pyr<br> Salt<br> Sandy<br> Silt<br> Sil<br> Sulphur<br> Tuff<br><br><b>FOSSIL</b><br> Algae<br> Amph |  Belm<br> Bioclst<br> Brach<br> Bryozoa<br> Cephal<br> Coral<br> Crin<br> Echin<br> Fish<br> Foram<br> Fossil<br> Fuss<br> Gastro<br> Oolite<br> Oomold<br> Ostra<br> Pelec |  Pellet<br> Pisolite<br> Plant<br> Strom<br><br><b>STRINGER</b><br> Anhy<br> Arg<br> Bent<br> Coal<br> Dol<br> Gyp<br> Ls<br> Mrst<br> Sltstrg<br> Ssstrg | <b>TEXTURE</b><br> Boundst<br> Chalky<br> Cryxln<br> Earthy<br> Finexln<br> Grainst<br> Lithogr<br> Microxln<br> Mudst<br> Packst<br> Wackest |
|---|---|--|---|--|

OTHER SYMBOLS

- POROSITY**
- Earthy
  - Fenest
  - Fracture
  - Inter
  - Moldic
  - Organic
  - Pinpoint

- Vuggy
- SORTING**
- Well
  - Moderate
  - Poor

- ROUNDING**
- Rounded
  - Subrnd
  - Subang
  - Angular

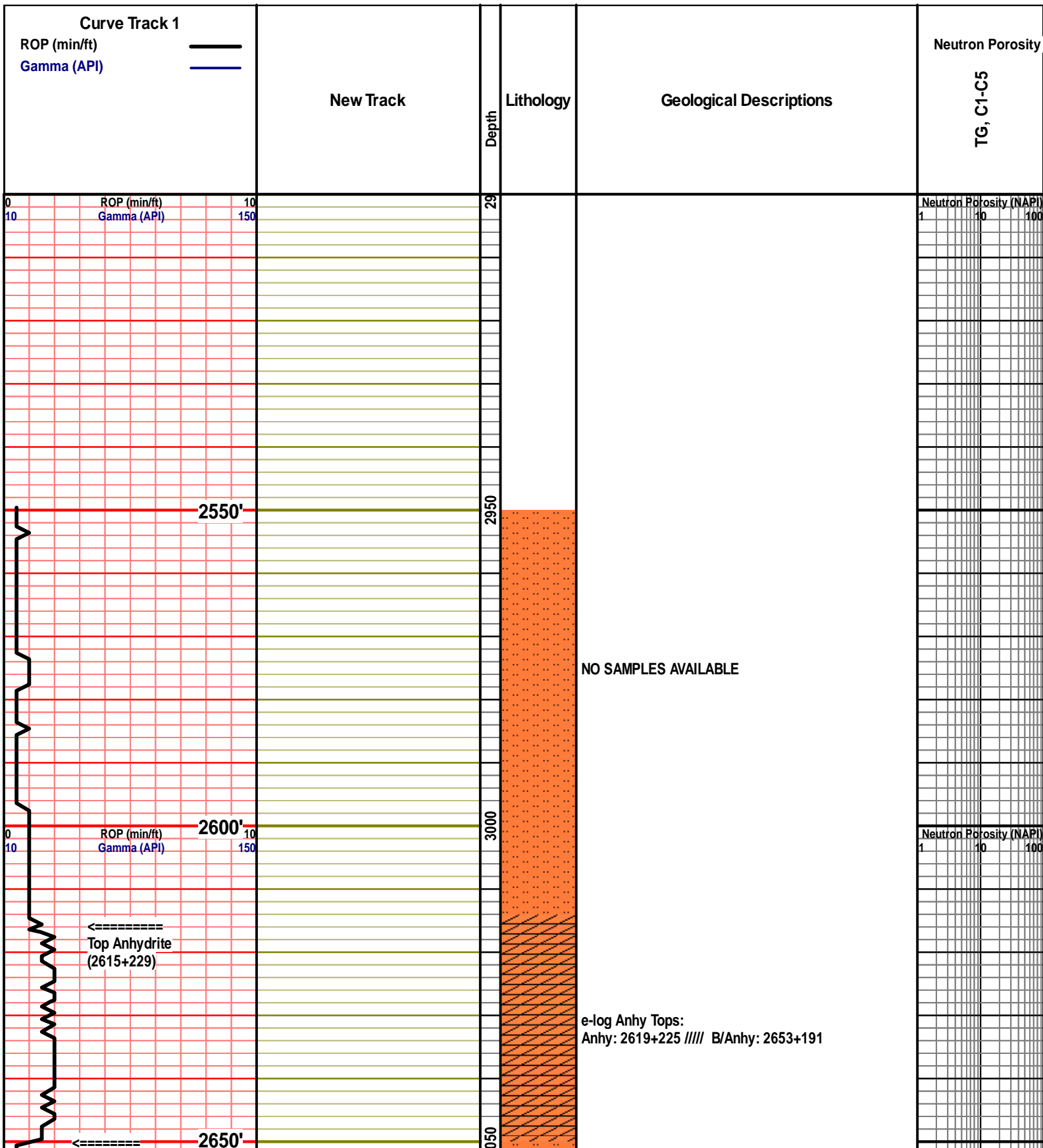
- Even
- Spotted
- Ques
- Dead

- Dst\_alt
- Dst

- EVENT**
- Rft
  - Sidewall

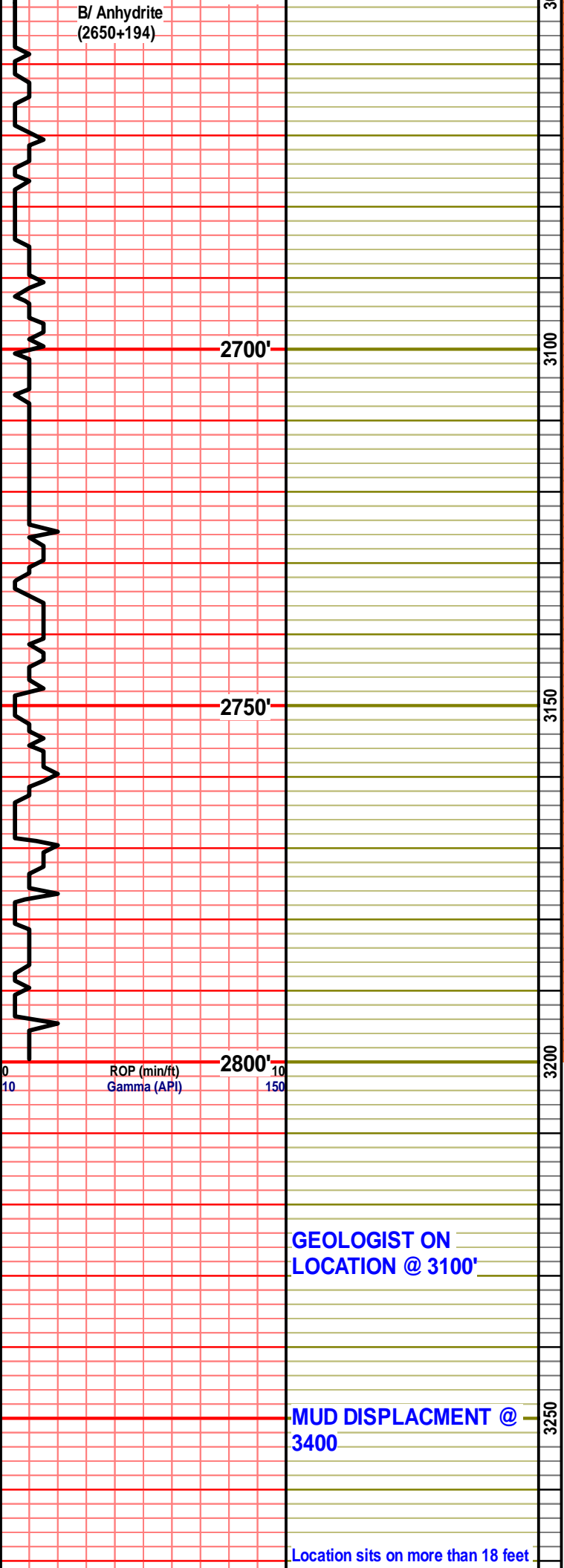
- OIL SHOW**
- aiming\_1

- INTERVAL**
- Core
  - Dst





B/ Anhydrite  
(2650+194)



NO SAMPLES AVAILABLE

NO SAMPLES AVAILABLE

NO SAMPLES AVAILABLE

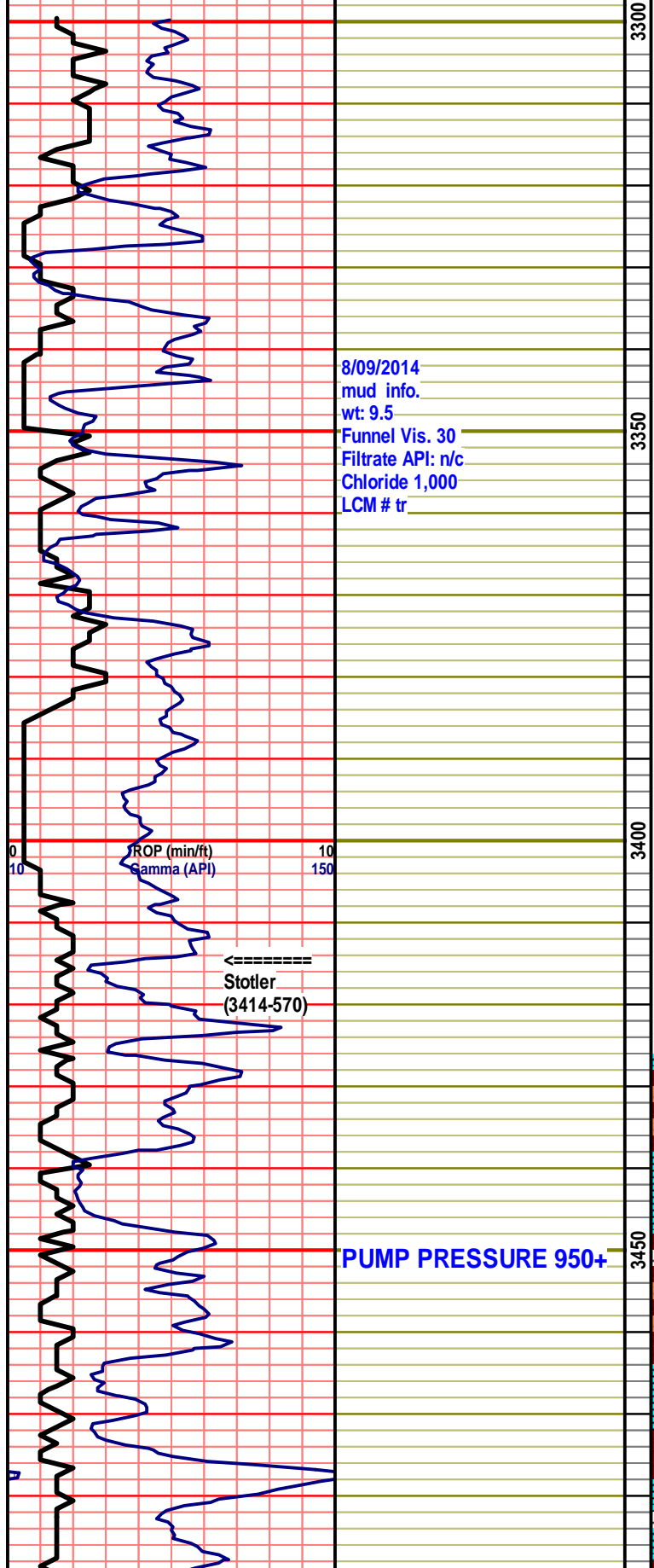
GEOLOGIST ON  
LOCATION @ 3100'

MUD DISPLACMENT @  
3400

Location sits on more than 18 feet

Neutron Porosity (NAPI)  
1 10 100

of dirt work, on the side of drainage ditch. The mud & reserve pit were cut out the side of the hill... beautiful rolling hills in the back ground (nice looking location).... Rained off and on-



8/09/2014  
mud info.  
wt: 9.5  
Funnel Vis. 30  
Filtrate API: n/c  
Chloride 1,000  
LCM # tr

NO SAMPLES AVAILABLE

NO SAMPLES AVAILABLE

ROP (min/ft)  
Gamma (API)

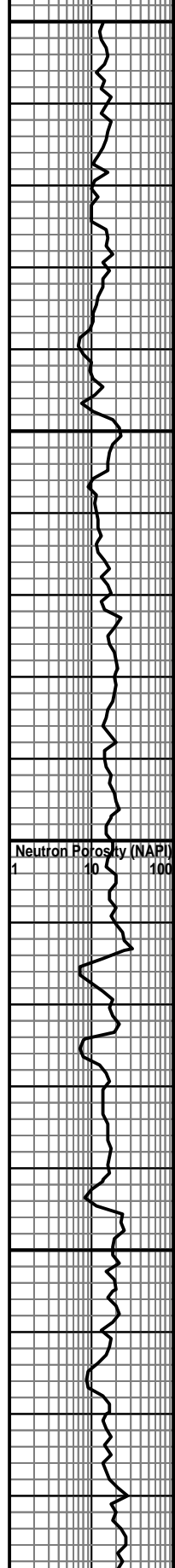
Stotler  
(3414-570)

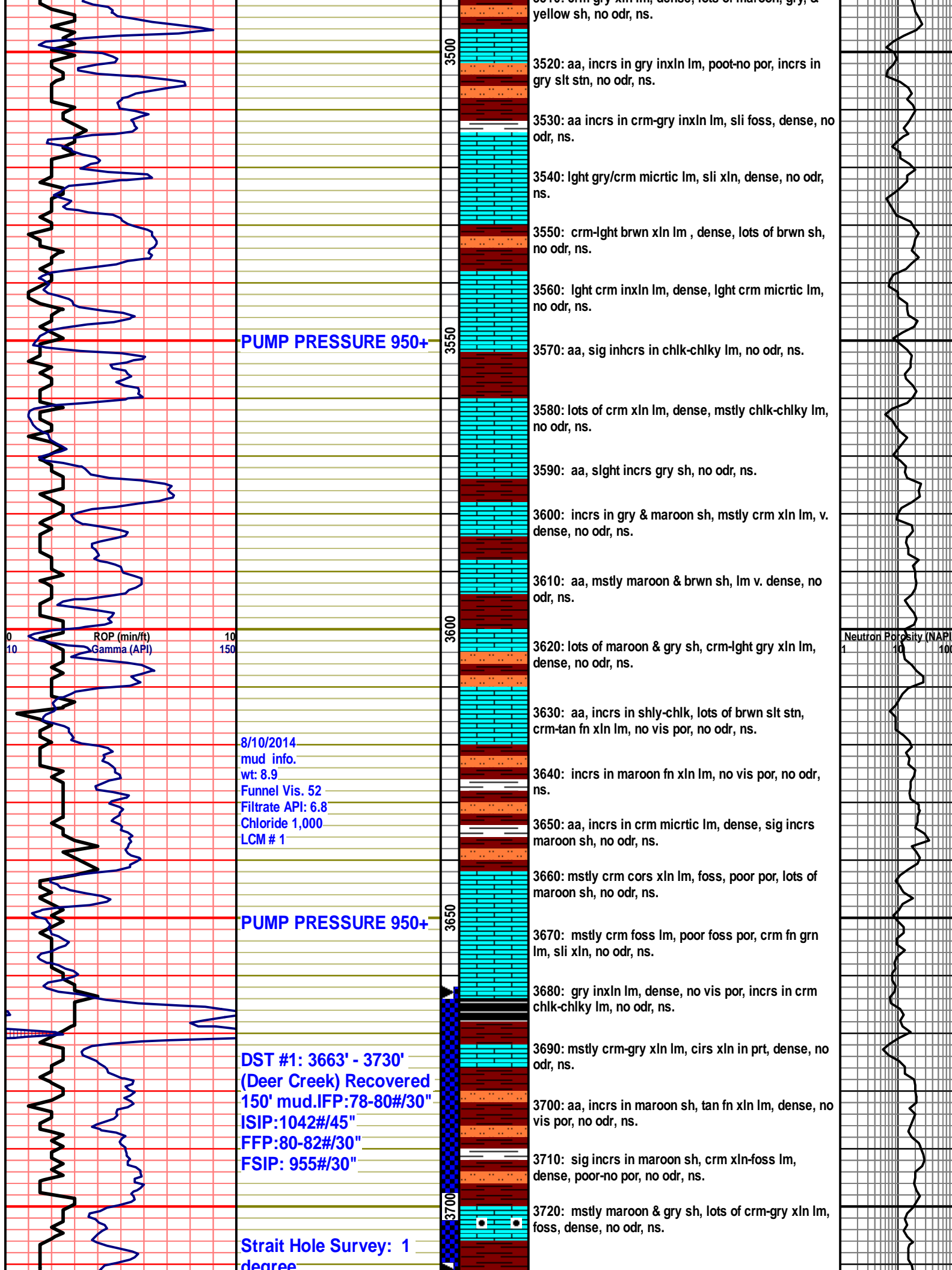
PUMP PRESSURE 950+

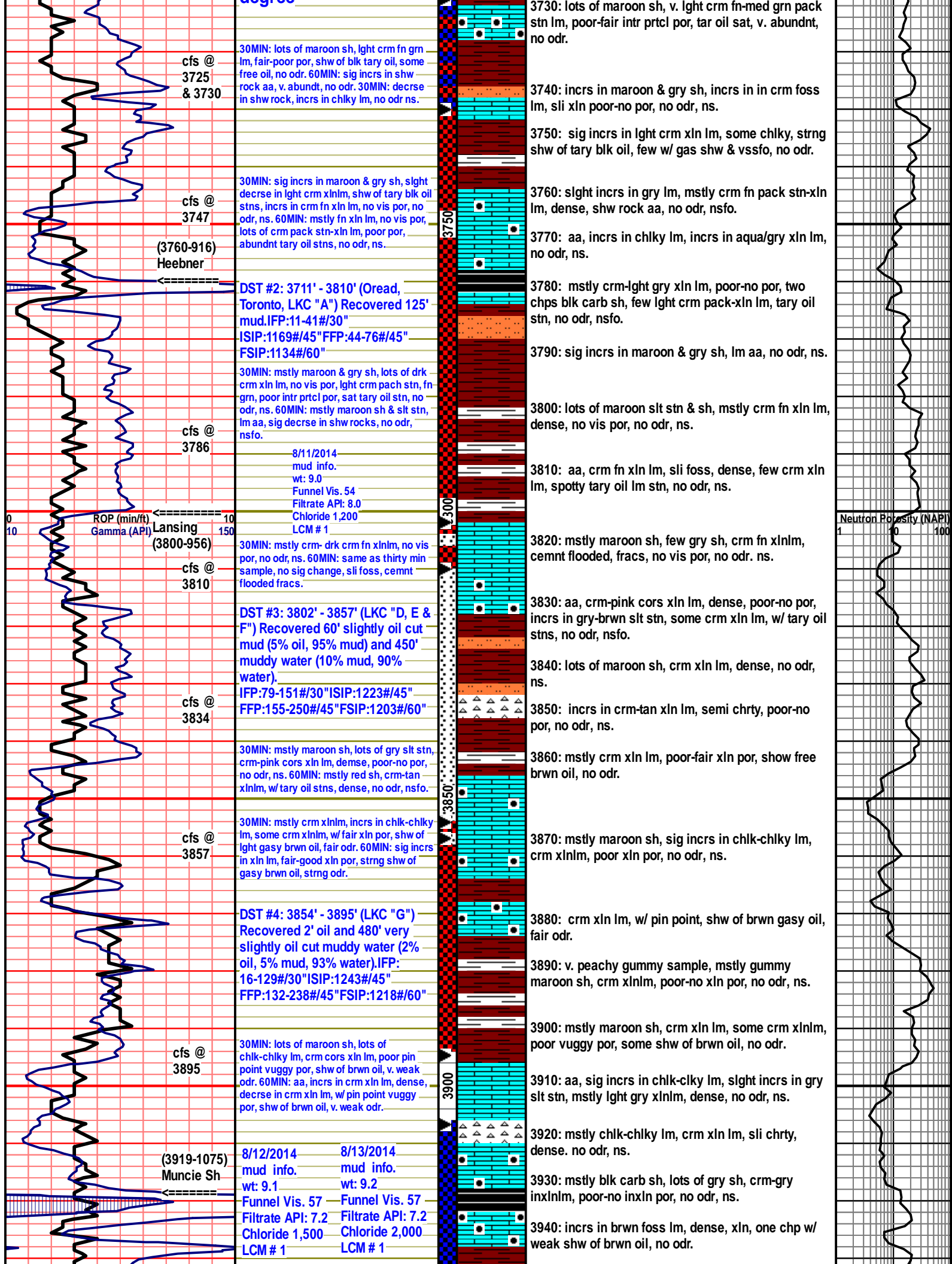
3300  
3350  
3400  
3450

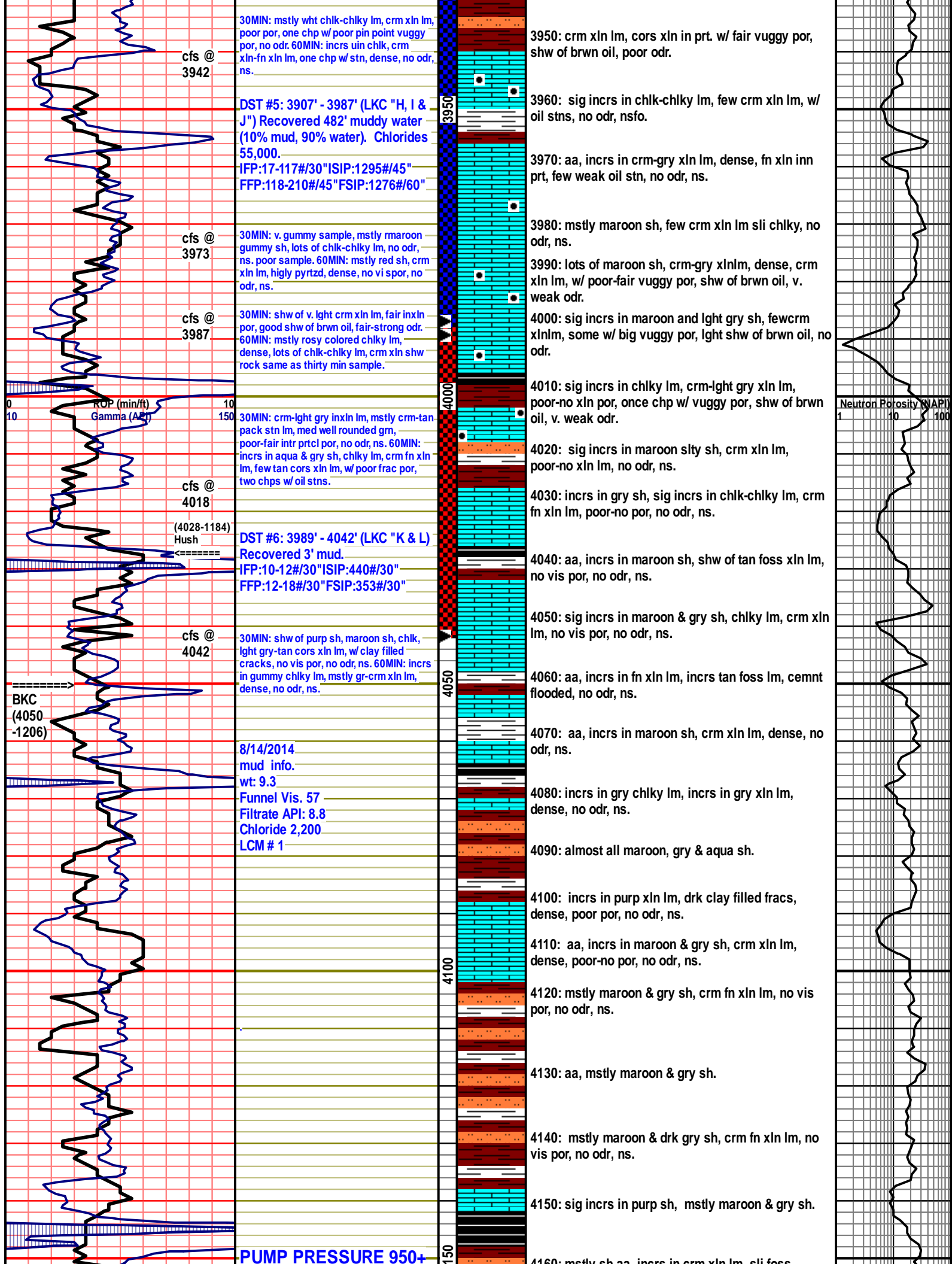
- 3450: mstly red, gry, and aqua sh, few gey slt stn, few micrtic lm, no odr, ns.
- 3460: aa, incrs in grny micrtic lm, incrs in crm fn xln lm, sli foss, no odr, ns.
- 3470: aa, incrs in crm foss lm, sli xln, mdense, gry slt stn, no odr, ns.
- 3480: incrs in lght grysh/brwn micrtic lm, lots of maroon & gry sh, no odr, ns.
- 3490: aa, lm aa sli xln, denser, incrs in purp sh, no odr, ns.
- 3500: aa, incrs in crm-gry xln lm, v. dense, highly pyrtzd, lots of maroon sh, no odr, ns.
- 3510: crm-gry xln lm dense lots of maroon gry &

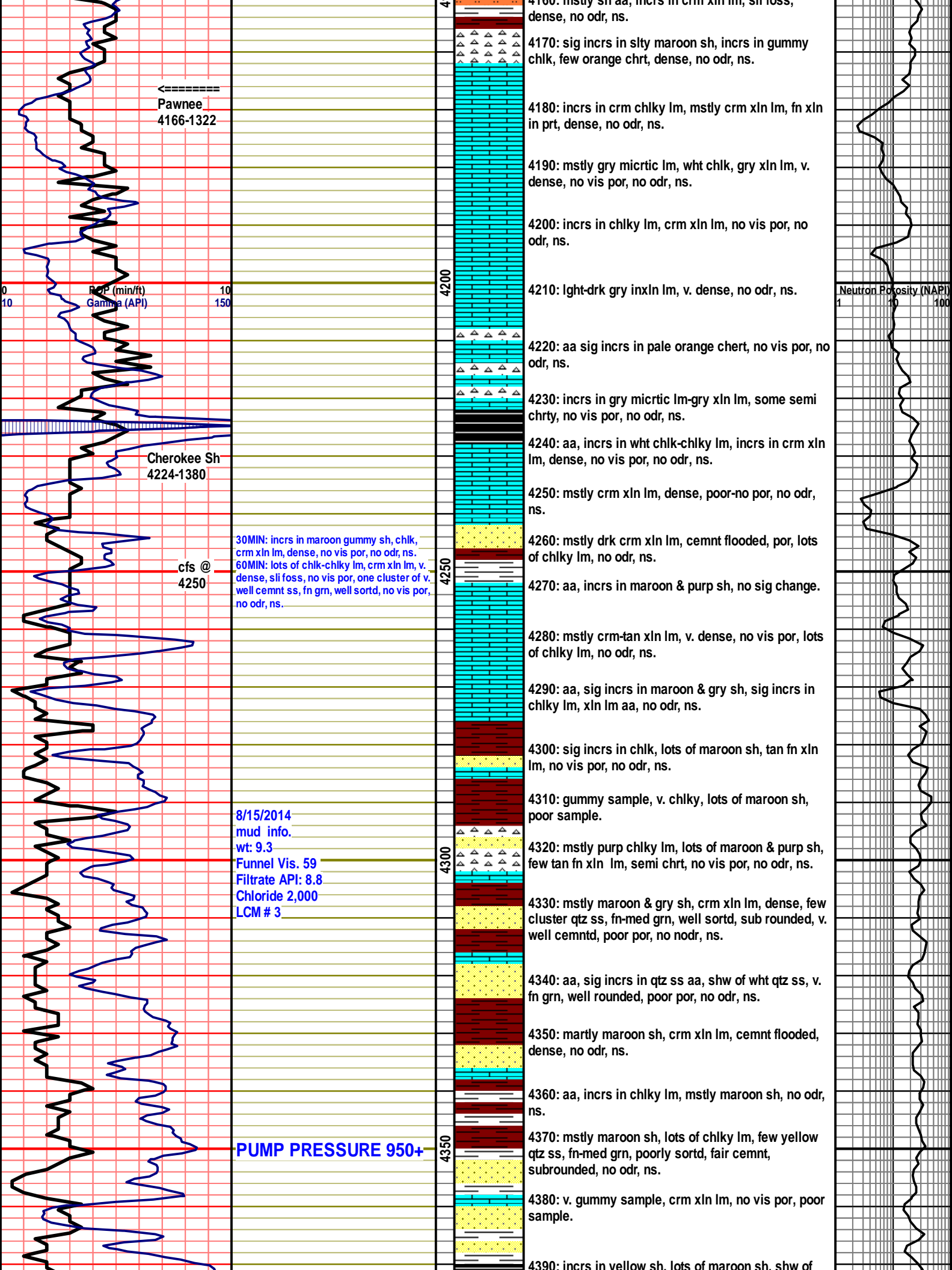
Neutron Porosity (NAPI)

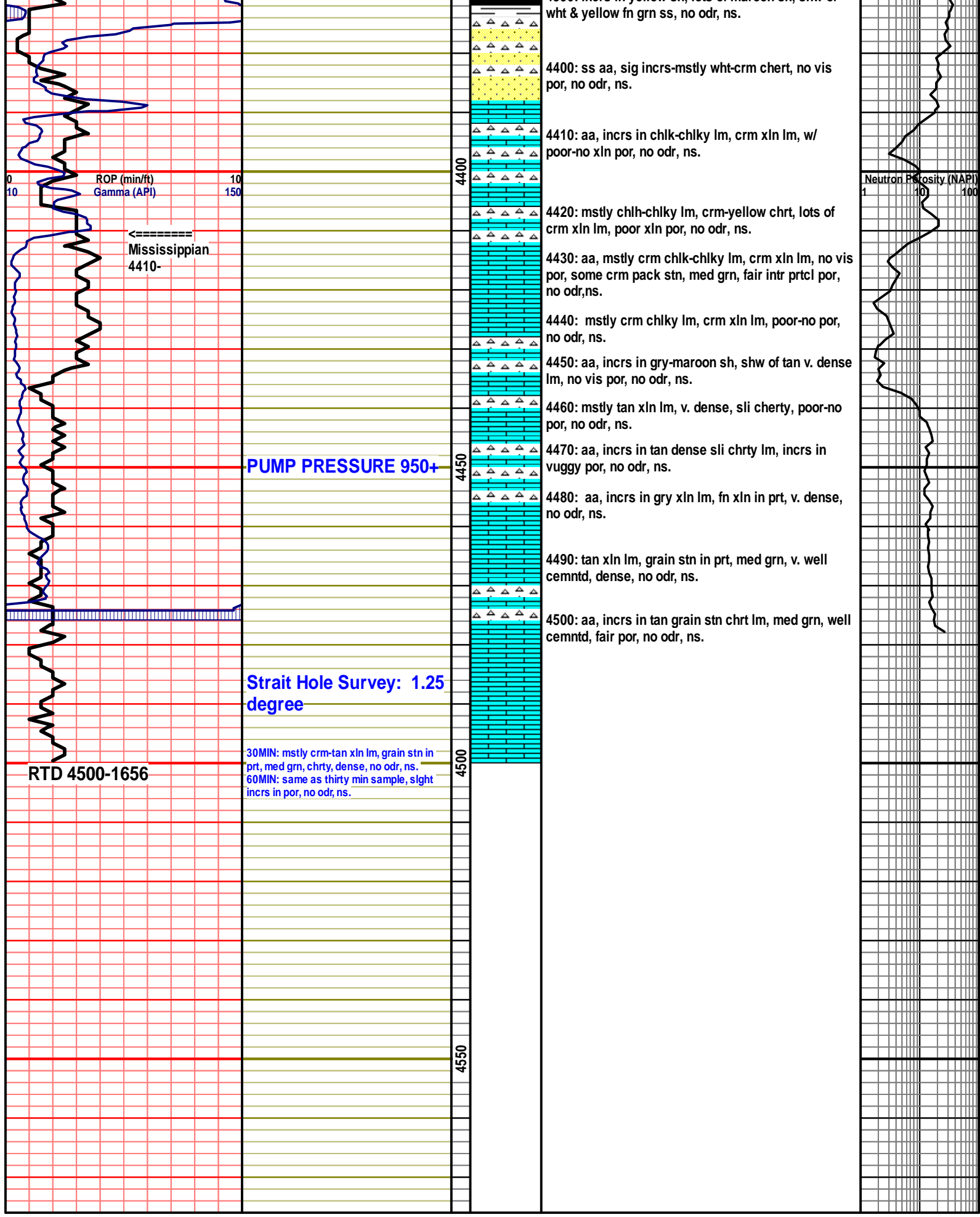












4395: mstly tan xln lm, med grn, cherty, dense, no odr, ns.

4400: ss aa, sig incrs-mstly wht-crm chert, no vis por, no odr, ns.

4410: aa, incrs in chlk-chlky lm, crm xln lm, w/ poor-no xln por, no odr, ns.

4420: mstly chl-h-chlky lm, crm-yellow chrt, lots of crm xln lm, poor xln por, no odr, ns.

4430: aa, mstly crm chlk-chlky lm, crm xln lm, no vis por, some crm pack stn, med grn, fair intr prtcl por, no odr, ns.

4440: mstly crm chlky lm, crm xln lm, poor-no por, no odr, ns.

4450: aa, incrs in gry-maroon sh, shw of tan v. dense lm, no vis por, no odr, ns.

4460: mstly tan xln lm, v. dense, sli cherty, poor-no por, no odr, ns.

4470: aa, incrs in tan dense sli cherty lm, incrs in vuggy por, no odr, ns.

4480: aa, incrs in gry xln lm, fn xln in prt, v. dense, no odr, ns.

4490: tan xln lm, grain stn in prt, med grn, v. well cemntd, dense, no odr, ns.

4500: aa, incrs in tan grain stn chrt lm, med grn, well cemntd, fair por, no odr, ns.

ROP (min/ft)  
Gamma (API)

Mississippian  
4410-

PUMP PRESSURE 950+

Strait Hole Survey: 1.25 degree

RTD 4500-1656

30MIN: mstly crm-tan xln lm, grain stn in prt, med grn, cherty, dense, no odr, ns.  
60MIN: same as thirty min sample, slght incrs in por, no odr, ns.

Neutron Porosity (NAP)



**#1 Howard 26A**

717' FNL & 945' FEL

57' S & 45' E of W/2 NE NE Section 26-2S-33W

Rawlins County, Kansas

API# 15-153-21044-0000

Elevation: 2839' GL, 2844' KB

| Sample Tops    |       |       | Ref.<br>Well |
|----------------|-------|-------|--------------|
| Anhydrite      | 2615' | +229  | +12          |
| B/Anhydrite    | 2650' | +194  | +12          |
| Stotler        | 3408' | -564  | +3           |
| Oread          | 3736' | -892  | +5           |
| Heebner        | 3749' | -905  | +6           |
| Lansing        | 3794' | -950  | +5           |
| Muncie Shale   | 3911' | -1067 | +5           |
| Stark Shale    | 3996' | -1152 | -2           |
| Hush           | 4024' | -1180 | -1           |
| BKC            | 4043' | -1199 | -3           |
| Pawnee         | 4163' | -1319 | N/A          |
| Cherokee Shale | 4220' | -1376 | -5           |
| Mississippian  | 4408' | -1564 | N/A          |
| RTD            | 4500' | -1656 |              |



# ALLIED OIL & GAS SERVICES, LLC 064049

Federal Tax I.D. # 20-8651476

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
*Russell, KS*

|                                    |                |                                      |                 |                        |                           |                         |                          |
|------------------------------------|----------------|--------------------------------------|-----------------|------------------------|---------------------------|-------------------------|--------------------------|
| DATE <i>8-6-14</i>                 | SEC <i>26</i>  | TWP. <i>2</i>                        | RANGE <i>33</i> | CALLED OUT             | ON LOCATION <i>4:30pm</i> | JOB START <i>6:30pm</i> | JOB FINISH <i>6:30pm</i> |
| LEASE <i>Howard 26A</i>            | WELL# <i>1</i> | LOCATION <i>Ludell N to Deadwood</i> |                 |                        | COUNTY <i>Kanlin</i>      | STATE <i>KS</i>         |                          |
| OLD OR NEW (Circle one) <i>NEW</i> |                |                                      |                 | <i>1 1/2 W, 5 into</i> |                           |                         |                          |

CONTRACTOR *WJW 4*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/8" T.D. 259'*

CASING SIZE *8 1/8" DEPTH 259'*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15'*

PERFS.

DISPLACEMENT *15.62*

OWNER *same*

CEMENT AMOUNT ORDBRED *175 sts can 3 3/4 cts*

*2 bags*

|          |                            |                |
|----------|----------------------------|----------------|
| COMMON   | <i>175 ST @ 17.90</i>      | <i>3132.50</i> |
| POZMIX   | @                          |                |
| GEL      | <i>327# @ .50</i>          | <i>163.50</i>  |
| CHLORIDE | <i>497# @ 1.00</i>         | <i>497.00</i>  |
| ASC      | @                          |                |
|          | @                          |                |
|          | @                          |                |
|          | <i>Material @</i>          | <i>3791.00</i> |
|          | @                          |                |
|          | <i>Mix @</i>               | <i>758.20</i>  |
|          | @                          |                |
|          | @                          |                |
| HANDLING | <i>189.23 ST @ 2.48</i>    | <i>469.29</i>  |
| MILEAGE  | <i>8.64 hr x 60 x 2.25</i> | <i>1152.60</i> |
|          | <i>518.40</i>              | TOTAL          |

EQUIPMENT

PUMP TRUCK CEMENTER *Lakene B Wentz*

# *417* HELPER *Danny Sinner*

BULK TRUCK

# *481/292* DRIVER *John Price*

BULK TRUCK

# DRIVER

REMARKS:  
*Mix 175 sts cement*  
*Displace with water*  
*Cement did circulate*

CHARGE TO: *Ritchie*

STREET

CITY STATE ZIP

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME *Mark Bygg*

SIGNATURE *Mark Bygg*

SERVICE

DEPTH OF JOB *259'*

PUMP TRUCK CHARGE *1512.25*

EXTRA FOOTAGE @

MILEAGE *MFW 60 @ 7.70* *462.00*

MANIFOLD @ *275.00*

*MFCU 60 @ 4.90* *294.00*

*Mix 881.62* TOTAL *4408.14*

PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES *8199.14*

DISCOUNT *1639.82 20%* IF PAID IN 30 DAYS

*Net 6559.32*

# ALLIED OIL & GAS SERVICES, LLC 055473

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Russell, Ks

|   |                    |                                |                       |                 |             |                       |                        |
|---|--------------------|--------------------------------|-----------------------|-----------------|-------------|-----------------------|------------------------|
| DATE <u>8.16.14</u>   | SEC. <u>26</u>     | TWP. <u>2</u>                  | RANGE <u>33</u>       | CALLED OUT      | ON LOCATION | JOB START <u>1230</u> | JOB FINISH <u>1130</u> |
| LEASE <u>Holzap</u>   | WELL # <u>26-N</u> | LOCATION <u>Ludell, Ks</u>     | COUNTY <u>Rawlens</u> | STATE <u>Ks</u> |             |                       |                        |
| OLD OR <input checked="" type="checkbox"/> NEW (Circle one) |                    | <u>0 to 7 mi W 1 1/2 S 126</u> |                       |                 |             |                       |                        |

CONTRACTOR WWS 4 OWNER \_\_\_\_\_

|  |                                       |
|--|---------------------------------------|
| TYPE OF JOB <u>PTA</u>                     | CEMENT AMOUNT ORDERED <u>240 sk</u>   |
| HOLE SIZE <u>7 7/8</u> T.D.                | <u>60/40 + 47 gel + 1/4 cell</u>      |
| CASING SIZE _____ DEPTH _____              | <u>60/40</u>                          |
| TUBING SIZE _____ DEPTH _____              | <u>240 sk @ 15.3 = 3,672.00</u>       |
| DRILL PIPE <u>4 1/2</u> DEPTH <u>2650'</u> | POZMIX @ _____                        |
| TOOL _____ DEPTH _____                     | GEL @ _____                           |
| PRES. MAX _____ MINIMUM _____              | CHLORIDE @ _____                      |
| MEAS. LINE _____ SHOE JOINT _____          | ASC @ _____                           |
| CEMENT LEFT IN CSG. _____                  | <u>Cell Flak 2524 @ 2.97 = 154.44</u> |
| PERFS. _____                               | <u>material @ 3826.44</u>             |
| DISPLACEMENT _____                         | <u>line @ 105.28</u>                  |

EQUIPMENT

|   |
|---|
| PUMP TRUCK CEMENTER <u>Gary Plamondon</u> |
| # <u>417</u> HELPER <u>Danny</u>          |
| BULK TRUCK                                |
| # <u>481</u> DRIVER <u>Tracy J</u>        |
| BULK TRUCK                                |
| # _____ DRIVER _____                      |

|   |
|---|
| HANDLING <u>240</u> <u>43</u> @ <u>2.43</u> \$ <u>595.20</u>  |
| MILEAGE <u>421</u> <u>71m</u> @ <u>2.65</u> \$ <u>1614.60</u> |
| TOTAL <u>2,006.24</u>   |

REMARKS:

P1 = 2650' @ 50 sk P2 = 1900' @ 100 sk  
P3 = 300' @ 50 sk P4 = 40' @ 10 sk  
P5 = RAT-30 sk 1x 8 7/8 wooden plug

See Cementing Job log

CHARGE TO: Richie Exploration  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Mark Bisse  
 SIGNATURE Mark Bisse

SERVICE

|  |
|--|
| DEPTH OF JOB <u>2650'</u>                          |
| PUMP TRUCK CHARGE <u>\$2,558.75</u>                |
| EXTRA FOOTAGE @ _____                              |
| MILEAGE <u>421</u> @ <u>7.7</u> \$ <u>924.00</u>   |
| MANIFOLD <u>6.94</u> @ <u>4.4</u> \$ <u>926.00</u> |
| TOTAL <u>5956.55</u>                               |
| <u>Disc 1491.31</u> TOTAL <u>4465.24</u>           |

PLUG & FLOAT EQUIPMENT

|  |
|--|
| <u>1x 8 7/8 wooden plug</u> @ _____ \$ <u>110.00</u> |
| TOTAL <u>110.00</u>                                  |

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \$ 892.99

DISCOUNT \$ 1978.59 (20%) IF PAID IN 30 DAYS

Net 7914.40