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 Coordinates:	**Deviation Surveys are detailed through out the Geo-Report.**		
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

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


T2S-R33W
S17-T2S-R33W
S16-T2S-R33W
S15-T2S-R33W
S14-T2S-R33W
S13-T2S-R33W
S18-T2S-R32W
T2S-R33W
S20-T2S-R33W
S21-T2S-R33W
S22-T2S-R33W
S23-T2S-R33W
S24-T2S-R33W
S19-T2S-R32W
Ludell
T2S-R33W
S29-T2S-R33W
S28-T2S-R33W
S27-T2S-R33W
S26-T2S-R33W
S25-T2S-R33W
S30-T2S-R32W
25
T2S-R33W
S32-T2S-R33W
S33-T2S-R33W
S34-T2S-R33W
S35-T2S-R33W
S36-T2S-R33W
S31-T2S-R32W
CR 19
ATWOOD NORTH

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-

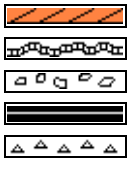
Plug and Abandon. 1st plug set at 2650' with 50 sacks 60/40 Poz, 4% gel, ¼# flocele; 2nd plug set at 1900' with 100 sacks; 3rd plug set at 300' with 50 sacks; 4th plug set at 40' with 10 sacks and 30 sacks in the rat hole 210 total sacks. Job complete at 11:30 a.m. Plugging orders by Case Morris with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

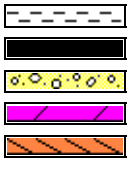
Well Log Surveys BY: NABORS. Compensated Denisty/ Neutron Log, Dual Induction.

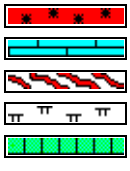
SAMPLES WILL BE DEPOSITED WITH KANSAS GEOLOGICAL SURVEY.

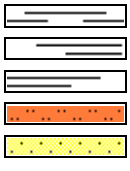
RESPECTFULLY SUBMITTED
Adam M. A. Eldani

ROCK TYPES


Anhy
Bent
Brec
Carb sh
Cht


Clyst
Coal
Congl
Dol
Gyp


Igne
Lmst
Meta
Mrlst
Salt


Shale
Shcol
Shgy
Sltst
Ss


Till
Red shale

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
Fuss
Gastro
Oolite
Oomold
Ostra
Pelec

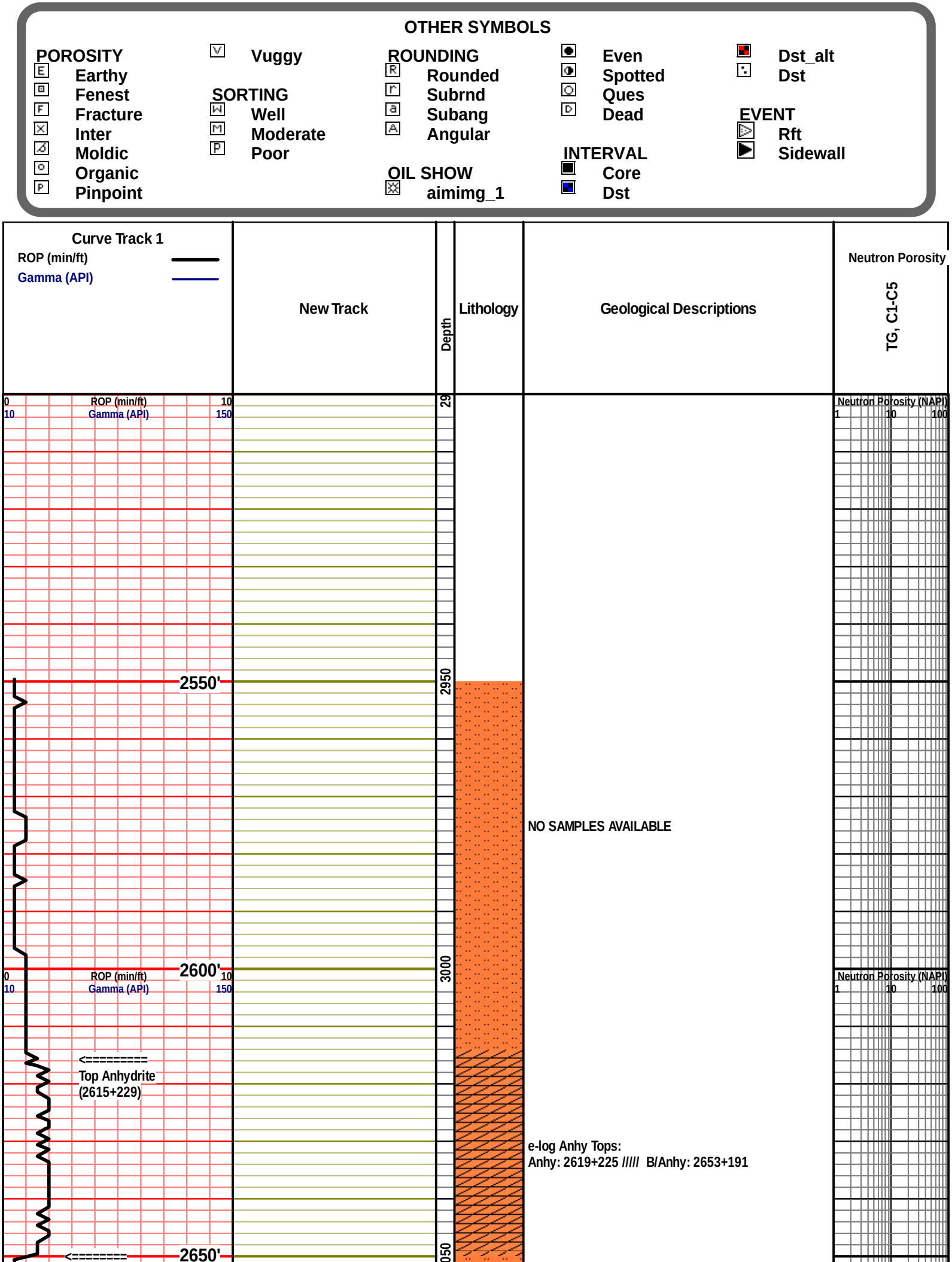
Pellet
Pisolite
Plant
Strom

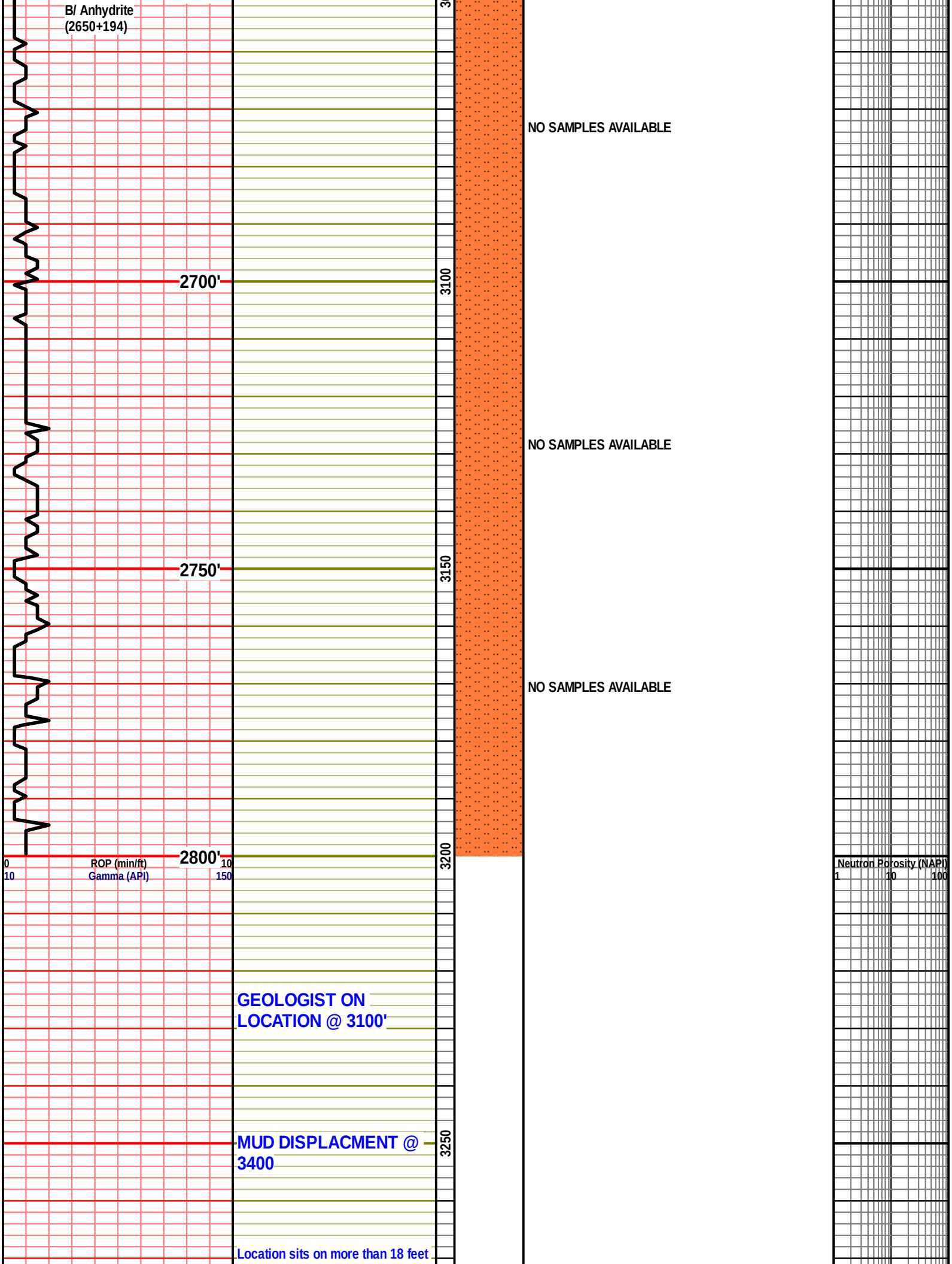
STRINGER

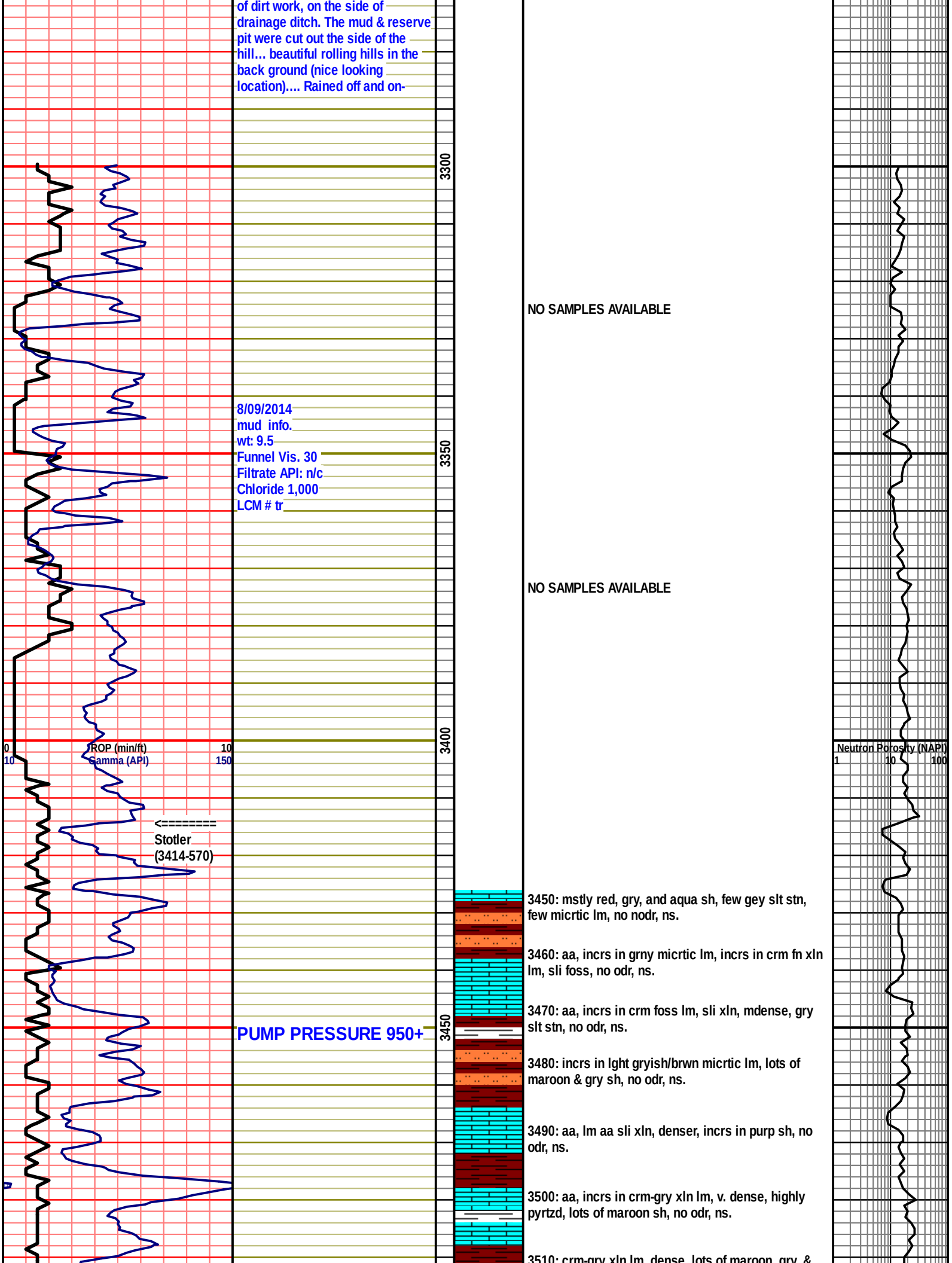
Anhy
Arg
Bent
Coal
Dol
Gyp
Ls
Mrst
Sltstrg
Ssstrg

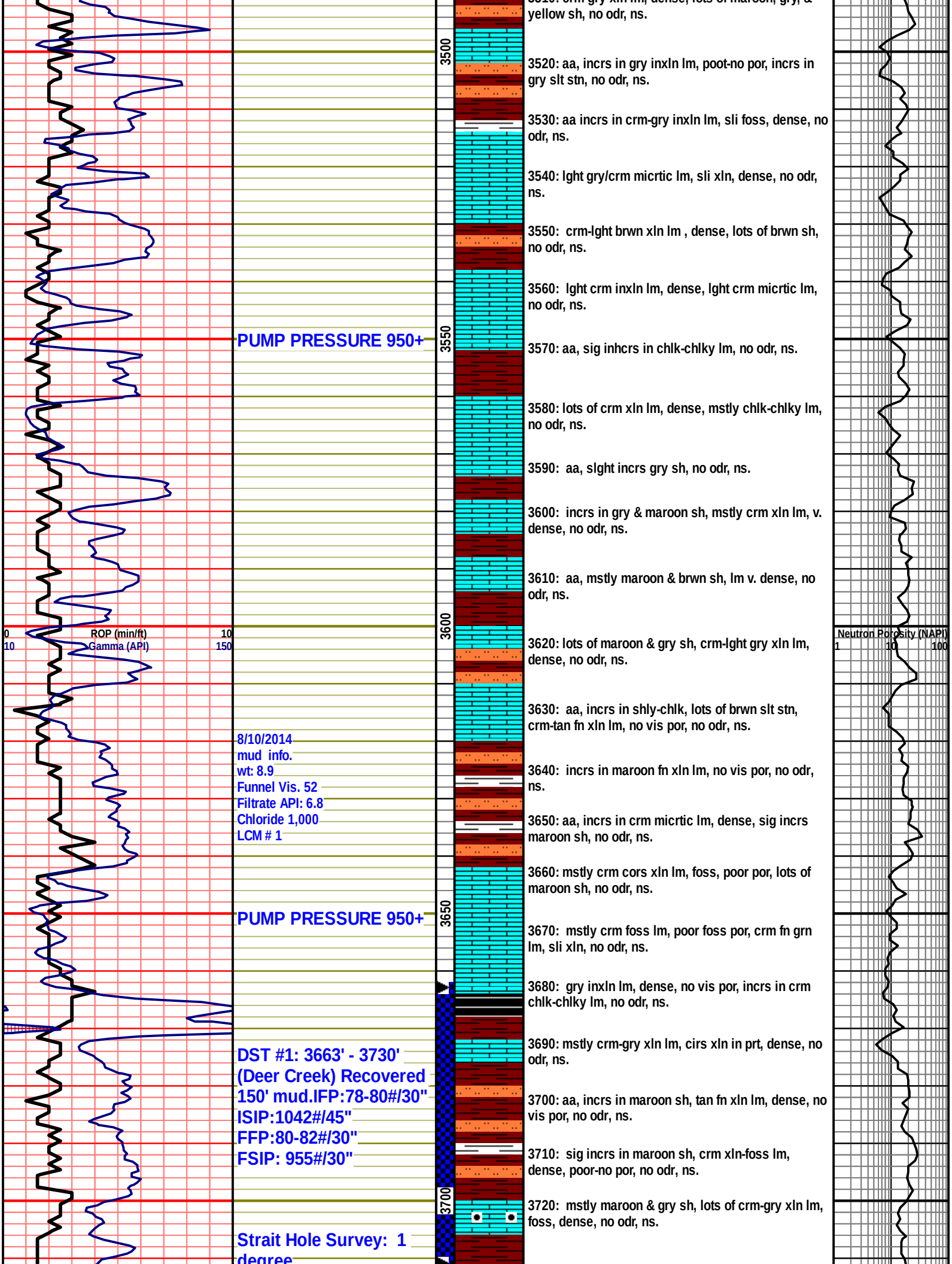
TEXTURE

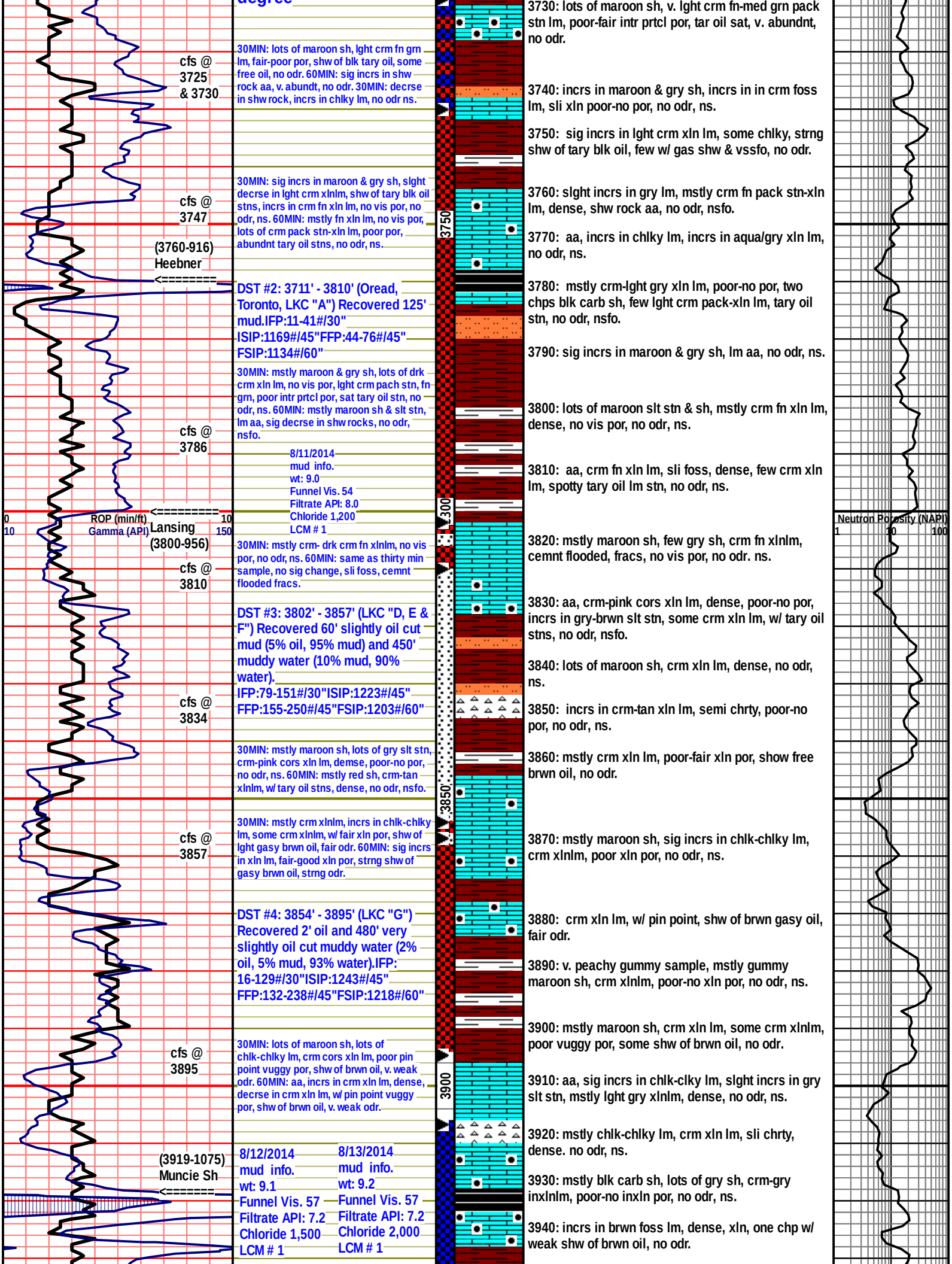
BS Boundst
C Chalky
CX Cryxln
E Earthy
FX Finexln
GS Grainst
L Lithogr
MX Microxln
MS Mudst
PS Packst
WS Wackest

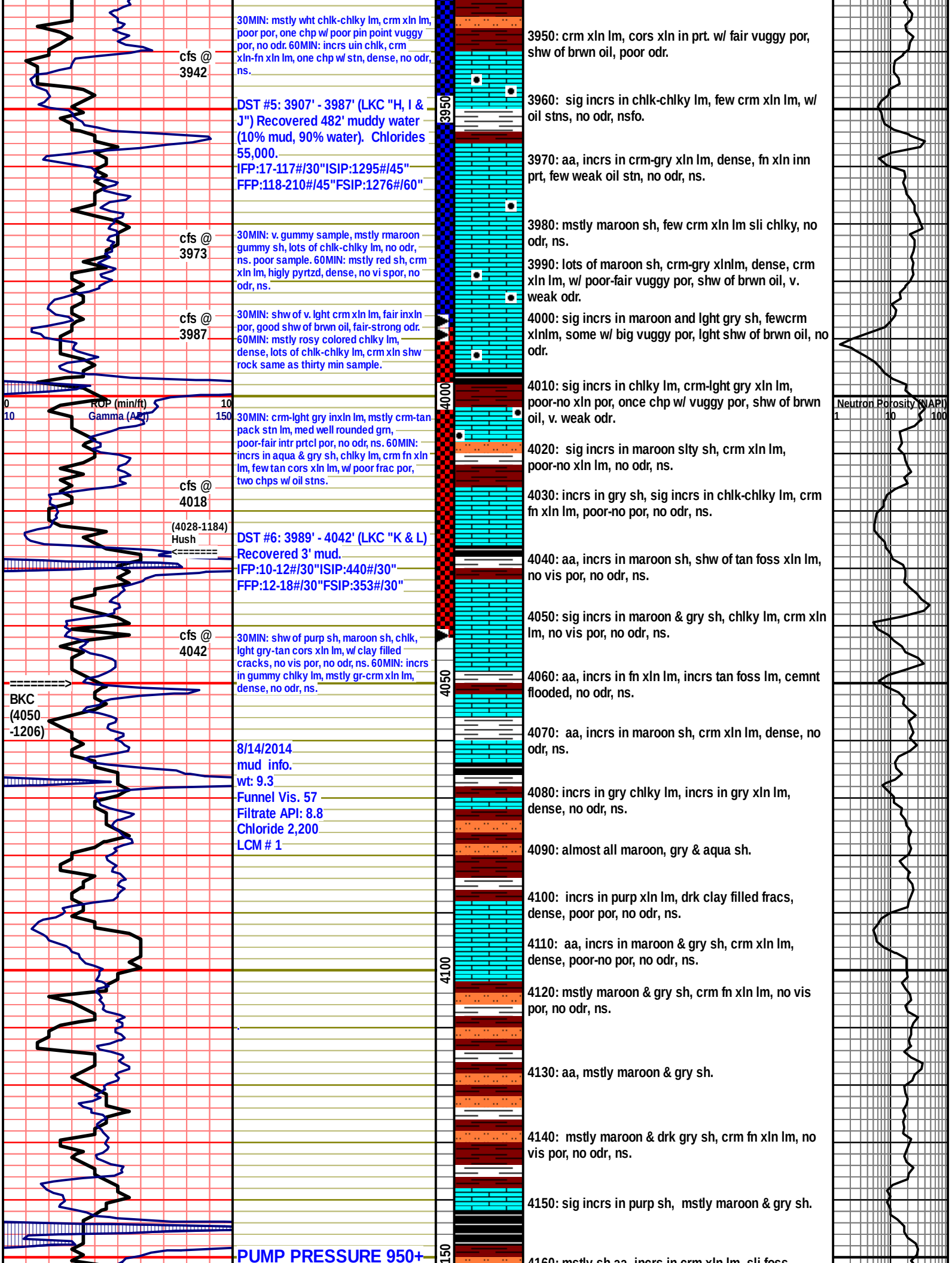

OTHER SYMBOLS
POROSITY
Earthy
Fenest
Fracture
Inter
Moldic
Organic
Pinpoint
Vuggy
SORTING
Well
Moderate
Poor
ROUNDING
Rounded
Subrnd
Subang
Angular
OIL SHOW
aimimg_1
Even
Spotted
Ques
Dead
INTERVAL
Core
Dst
Dst_alt
Dst
EVENT
Rft
Sidewall
Curve Track 1
ROP (min/ft)
Gamma (API)
New Track
Depth
Lithology
Geological Descriptions
Neutron Porosity
TG, C1-C5
0
10
ROP (min/ft)
Gamma (API)
10
150
Neutron Porosity (NAPI)
1
10
100
2550'
2600'
2650'
2950
3000
050
<=========
Top Anhydrite
(2615+229)
<========
NO SAMPLES AVAILABLE
e-log Anhy Tops:
Anhy: 2619+225 ///// B/Anhy: 2653+191


B/ Anhydrite
(2650+194)
2700'
2750'
2800'
3100
3150
3200
3250
NO SAMPLES AVAILABLE
NO SAMPLES AVAILABLE
NO SAMPLES AVAILABLE
0
10
ROP (min/ft)
Gamma (API)
10
150
Neutron Porosity (NAPI)
1
10
100
GEOLOGIST ON
LOCATION @ 3100'
MUD DISPLACMENT @
3400
Location sits on more than 18 feet


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-
3300
NO SAMPLES AVAILABLE
8/09/2014
mud info.
wt: 9.5
Funnel Vis. 30
Filtrate API: n/c
Chloride 1,000
LCM # tr
3350
NO SAMPLES AVAILABLE
0
10
ROP (min/ft)
Gamma (API)
10
150
3400
Neutron Porosity (NAPI)
1
10
100
<========
Stotler
(3414-570)
3450: mstly red, gry, and aqua sh, few gey slt stn, few micrtic lm, no nodr, 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.
PUMP PRESSURE 950+
3450
3480: incrs in lght gryish/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, &


0
ROP (min/ft)
10
10
Gamma (API)
150
3500
3550
3600
3650
3700
Neutron Porosity (NAPI)
1
10
100
yellow sh, no odr, ns.
3520: aa, incrs in gry inxln lm, poot-no por, incrs in gry slt stn, no odr, ns.
3530: aa incrs in crm-gry inxln lm, sli foss, dense, no odr, ns.
3540: lght gry/crm micrtic lm, sli xln, dense, no odr, ns.
3550: crm-lght brwn xln lm , dense, lots of brwn sh, no odr, ns.
3560: lght crm inxln lm, dense, lght crm micrtic lm, no odr, ns.
PUMP PRESSURE 950+
3570: aa, sig inhcrs in chlk-chlky lm, no odr, ns.
3580: lots of crm xln lm, dense, mstly chlk-chlky lm, no odr, ns.
3590: aa, slght incrs gry sh, no odr, ns.
3600: incrs in gry & maroon sh, mstly crm xln lm, v. dense, no odr, ns.
3610: aa, mstly maroon & brwn sh, lm v. dense, no odr, ns.
3620: lots of maroon & gry sh, crm-lght gry xln lm, dense, no odr, ns.
3630: aa, incrs in shly-chlk, lots of brwn slt stn, crm-tan fn xln lm, no vis por, no odr, ns.
8/10/2014
mud info.
wt: 8.9
Funnel Vis. 52
Filtrate API: 6.8
Chloride 1,000
LCM # 1
3640: incrs in maroon fn xln lm, no vis por, no odr, ns.
3650: aa, incrs in crm micrtic lm, dense, sig incrs maroon sh, no odr, ns.
3660: mstly crm cors xln lm, foss, poor por, lots of maroon sh, no odr, ns.
PUMP PRESSURE 950+
3670: mstly crm foss lm, poor foss por, crm fn grn lm, sli xln, no odr, ns.
3680: gry inxln lm, dense, no vis por, incrs in crm chlk-chlky lm, no odr, ns.
DST #1: 3663' - 3730'
(Deer Creek) Recovered
150' mud.IFP:78-80#/30"
ISIP:1042#/45"
FFP:80-82#/30"
FSIP: 955#/30"
3690: mstly crm-gry xln lm, cirs xln in prt, dense, no odr, ns.
3700: aa, incrs in maroon sh, tan fn xln lm, dense, no vis por, no odr, ns.
3710: sig incrs in maroon sh, crm xln-foss lm, dense, poor-no por, no odr, ns.
3720: mstly maroon & gry sh, lots of crm-gry xln lm, foss, dense, no odr, ns.
Strait Hole Survey: 1
degree


degree
30MIN: lots of maroon sh, lght crm fn grn lm, fair-poor por, shw of blk tary oil, some free oil, no odr. 60MIN: sig incrs in shw rock aa, v. abundt, no odr. 30MIN: decrse in shw rock, incrs in chlky lm, no odr ns.
cfs @ 3725 & 3730
30MIN: sig incrs in maroon & gry sh, slght decrse in lght crm xlnlm, shw of tary blk oil stns, incrs in crm fn xln lm, no vis por, no odr, ns. 60MIN: mstly fn xln lm, no vis por, lots of crm pack stn-xln lm, poor por, abundnt tary oil stns, no odr, ns.
cfs @ 3747
(3760-916) Heebner
<========
DST #2: 3711' - 3810' (Oread, Toronto, LKC "A") Recovered 125' mud.IFP:11-41#/30" ISIP:1169#/45"FFP:44-76#/45" FSIP:1134#/60"
30MIN: mstly maroon & gry sh, lots of drk crm xln lm, no vis por, lght crm pach stn, fn grn, poor intr prtcl por, sat tary oil stn, no odr, ns. 60MIN: mstly maroon sh & slt stn, lm aa, sig decrse in shw rocks, no odr, nsfo.
cfs @ 3786
8/11/2014
mud info.
wt: 9.0
Funnel Vis. 54
Filtrate API: 8.0
Chloride 1,200
LCM # 1
0
10
ROP (min/ft)
Gamma (API)
10
150
<=========
Lansing
(3800-956)
30MIN: mstly crm- drk crm fn xlnlm, no vis por, no odr, ns. 60MIN: same as thirty min sample, no sig change, sli foss, cemnt flooded fracs.
cfs @ 3810
DST #3: 3802' - 3857' (LKC "D, E & F") Recovered 60' slightly oil cut mud (5% oil, 95% mud) and 450' muddy water (10% mud, 90% water). IFP:79-151#/30"ISIP:1223#/45" FFP:155-250#/45"FSIP:1203#/60"
cfs @ 3834
30MIN: mstly maroon sh, lots of gry slt stn, crm-pink cors xln lm, demse, poor-no por, no odr, ns. 60MIN: mstly red sh, crm-tan xlnlm, w/ tary oil stns, dense, no odr, nsfo.
30MIN: mstly crm xlnlm, incrs in chlk-chlky lm, some crm xlnlm, w/ fair xln por, shw of lght gasy brwn oil, fair odr. 60MIN: sig incrs in xln lm, fair-good xln por, strng shw of gasy brwn oil, strng odr.
cfs @ 3857
DST #4: 3854' - 3895' (LKC "G") Recovered 2' oil and 480' very slightly oil cut muddy water (2% oil, 5% mud, 93% water).IFP: 16-129#/30"ISIP:1243#/45" FFP:132-238#/45"FSIP:1218#/60"
30MIN: lots of maroon sh, lots of chlk-chlky lm, crm cors xln lm, poor pin point vuggy por, shw of brwn oil, v. weak odr. 60MIN: aa, incrs in crm xln lm, dense, decrse in crm xln lm, w/ pin point vuggy por, shw of brwn oil, v. weak odr.
cfs @ 3895
8/12/2014
mud info.
wt: 9.1
Funnel Vis. 57
Filtrate API: 7.2
Chloride 1,500
LCM # 1
8/13/2014
mud info.
wt: 9.2
Funnel Vis. 57
Filtrate API: 7.2
Chloride 2,000
LCM # 1
(3919-1075) Muncie Sh
<=======
3730: lots of maroon sh, v. lght crm fn-med grn pack stn lm, poor-fair intr prtcl por, tar oil sat, v. abundnt, no odr.
3740: incrs in maroon & gry sh, incrs in in crm foss lm, sli xln poor-no por, no odr, ns.
3750: sig incrs in lght crm xln lm, some chlky, strng shw of tary blk oil, few w/ gas shw & vssfo, no odr.
3760: slght incrs in gry lm, mstly crm fn pack stn-xln lm, dense, shw rock aa, no odr, nsfo.
3770: aa, incrs in chlky lm, incrs in aqua/gry xln lm, no odr, ns.
3780: mstly crm-lght gry xln lm, poor-no por, two chps blk carb sh, few lght crm pack-xln lm, tary oil stn, no odr, nsfo.
3790: sig incrs in maroon & gry sh, lm aa, no odr, ns.
3800: lots of maroon slt stn & sh, mstly crm fn xln lm, dense, no vis por, no odr, ns.
3810: aa, crm fn xln lm, sli foss, dense, few crm xln lm, spotty tary oil lm stn, no odr, ns.
3820: mstly maroon sh, few gry sh, crm fn xlnlm, cemnt flooded, fracs, no vis por, no odr. ns.
3830: aa, crm-pink cors xln lm, dense, poor-no por, incrs in gry-brwn slt stn, some crm xln lm, w/ tary oil stns, no odr, nsfo.
3840: lots of maroon sh, crm xln lm, dense, no odr, ns.
3850: incrs in crm-tan xln lm, semi chrty, poor-no por, no odr, ns.
3860: mstly crm xln lm, poor-fair xln por, show free brwn oil, no odr.
3870: mstly maroon sh, sig incrs in chlk-chlky lm, crm xlnlm, poor xln por, no odr, ns.
3880: crm xln lm, w/ pin point, shw of brwn gasy oil, fair odr.
3890: v. peachy gummy sample, mstly gummy maroon sh, crm xlnlm, poor-no xln por, no odr, ns.
3900: mstly maroon sh, crm xln lm, some crm xlnlm, poor vuggy por, some shw of brwn oil, no odr.
3910: aa, sig incrs in chlk-clky lm, slght incrs in gry slt stn, mstly lght gry xlnlm, dense, no odr, ns.
3920: mstly chlk-chlky lm, crm xln lm, sli chrty, dense. no odr, ns.
3930: mstly blk carb sh, lots of gry sh, crm-gry inxlnlm, poor-no inxln por, no odr, ns.
3940: incrs in brwn foss lm, dense, xln, one chp w/ weak shw of brwn oil, no odr.
3750
3800
3850
3900
Neutron Porosity (NAPI)
1
10
100



30MIN: mstly wht chlk-chlky lm, crm xln lm, poor por, one chp w/ poor pin point vuggy por, no odr. 60MIN: incrs uin chlk, crm xln-fn xln lm, one chp w/ stn, dense, no odr, ns.

DST #5: 3907' - 3987' (LKC "H, I & J") Recovered 482' muddy water (10% mud, 90% water). Chlorides 55,000.
IFP:17-117#/30"ISIP:1295#/45"
FFP:118-210#/45"FSIP:1276#/60"

30MIN: v. gummy sample, mstly rmaroon gummy sh, lots of chlk-chlky lm, no odr, ns. poor sample. 60MIN: mstly red sh, crm xln lm, higly pyrtzd, dense, no vi spor, no odr, ns.

30MIN: shw of v. lght crm xln lm, fair inxln por, good shw of brwn oil, fair-strong odr. 60MIN: mstly rosy colored chlky lm, dense, lots of chlk-chlky lm, crm xln shw rock same as thirty min sample.

30MIN: crm-lght gry inxln lm, mstly crm-tan pack stn lm, med well rounded grn, poor-fair intr prtcl por, no odr, ns. 60MIN: incrs in aqua & gry sh, chlky lm, crm fn xln lm, few tan cors xln lm, w/ poor frac por, two chps w/ oil stns.

DST #6: 3989' - 4042' (LKC "K & L)
Recovered 3' mud.
IFP:10-12#/30"ISIP:440#/30"
FFP:12-18#/30"FSIP:353#/30"

30MIN: shw of purp sh, maroon sh, chlk, lght gry-tan cors xln lm, w/ clay filled cracks, no vis por, no odr, ns. 60MIN: incrs in gummy chlky lm, mstly gr-crm xln lm, dense, no odr, ns.

8/14/2014
mud info.
wt: 9.3
Funnel Vis. 57
Filtrate API: 8.8
Chloride 2,200
LCM # 1

PUMP PRESSURE 950+

3950: crm xln lm, cors xln in prt. w/ fair vuggy por, shw of brwn oil, poor odr.

3960: sig incrs in chlk-chlky lm, few crm xln lm, w/ oil stns, no odr, nsfo.

3970: aa, incrs in crm-gry xln lm, dense, fn xln inn prt, few weak oil stn, no odr, ns.

3980: mstly maroon sh, few crm xln lm sli chlky, no odr, ns.

3990: lots of maroon sh, crm-gry xlnlm, dense, crm xln lm, w/ poor-fair vuggy por, shw of brwn oil, v. weak odr.

4000: sig incrs in maroon and lght gry sh, fewcrm xlnlm, some w/ big vuggy por, lght shw of brwn oil, no odr.

4010: sig incrs in chlky lm, crm-lght gry xln lm, poor-no xln por, once chp w/ vuggy por, shw of brwn oil, v. weak odr.

4020: sig incrs in maroon slty sh, crm xln lm, poor-no xln lm, no odr, ns.

4030: incrs in gry sh, sig incrs in chlk-chlky lm, crm fn xln lm, poor-no por, no odr, ns.

4040: aa, incrs in maroon sh, shw of tan foss xln lm, no vis por, no odr, ns.

4050: sig incrs in maroon & gry sh, chlky lm, crm xln lm, no vis por, no odr, ns.

4060: aa, incrs in fn xln lm, incrs tan foss lm, cemnt flooded, no odr, ns.

4070: aa, incrs in maroon sh, crm xln lm, dense, no odr, ns.

4080: incrs in gry chlky lm, incrs in gry xln lm, dense, no odr, ns.

4090: almost all maroon, gry & aqua sh.

4100: incrs in purp xln lm, drk clay filled fracs, dense, poor por, no odr, ns.

4110: aa, incrs in maroon & gry sh, crm xln lm, dense, poor-no por, no odr, ns.

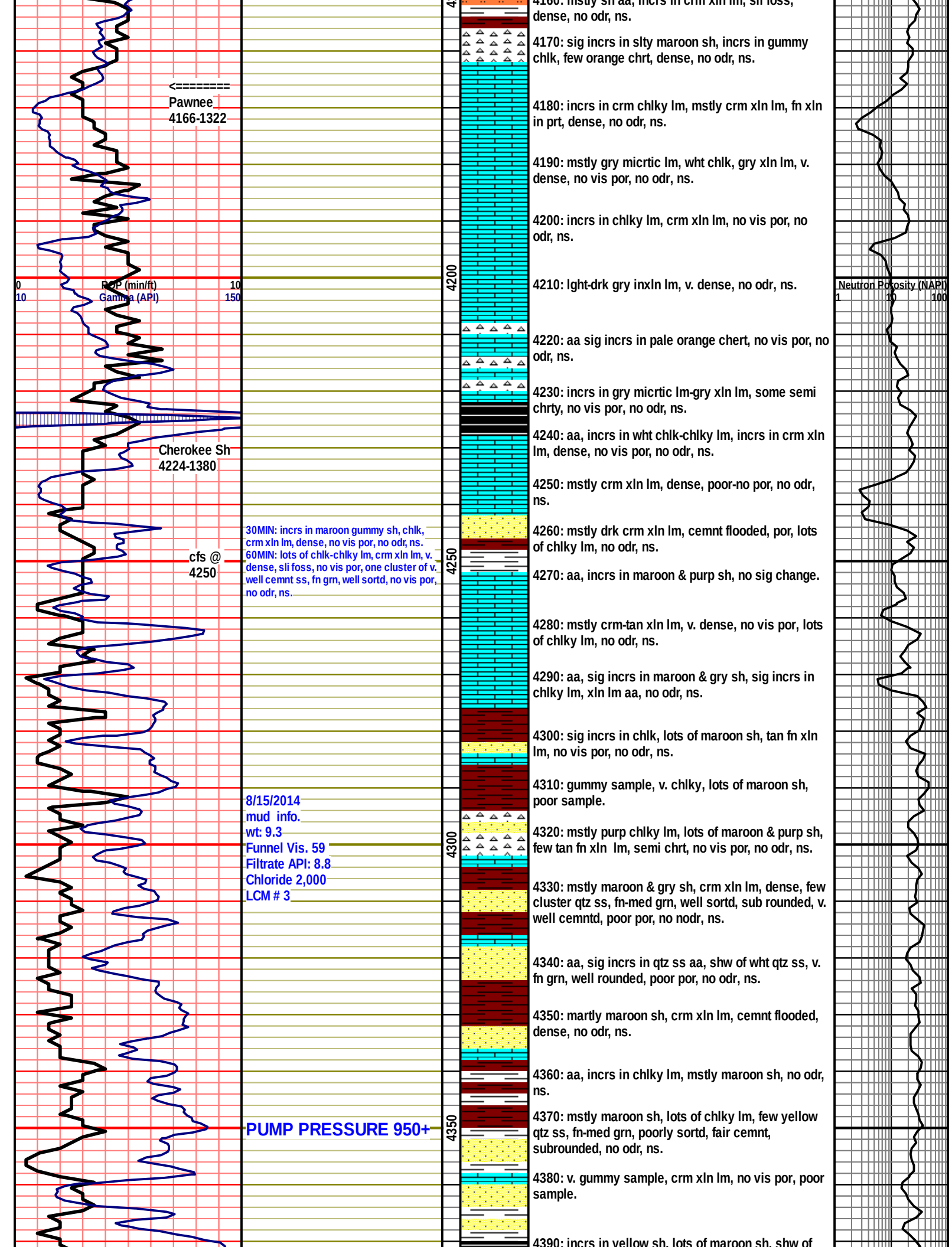
4120: mstly maroon & gry sh, crm fn xln lm, no vis por, no odr, ns.

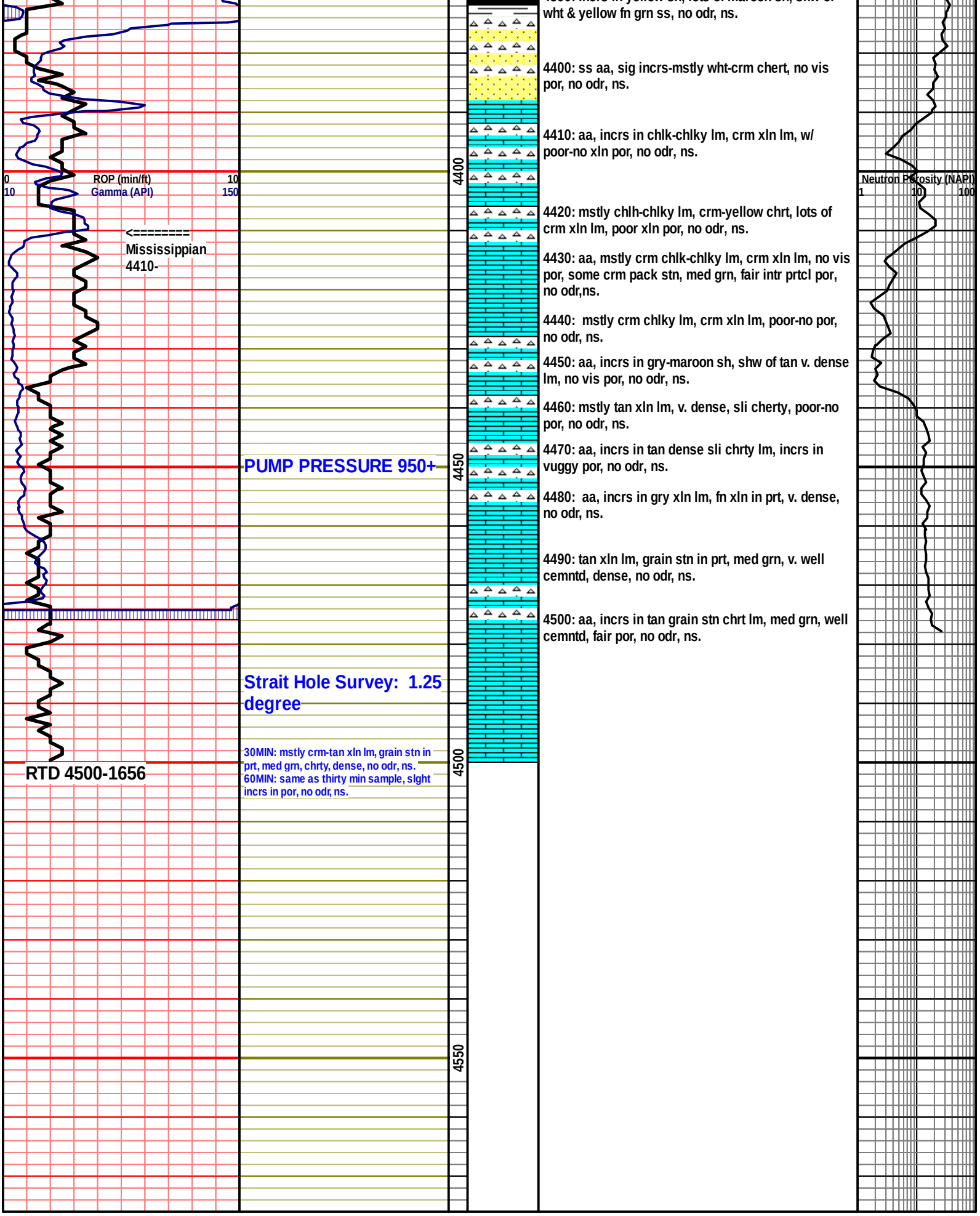
4130: aa, mstly maroon & gry sh.

4140: mstly maroon & drk gry sh, crm fn xln lm, no vis por, no odr, ns.

4150: sig incrs in purp sh, mstly maroon & gry sh.

4160: mstly sh aa, incrs in crm xln lm, sli foss


<========
Pawnee
4166-1322
0
10
ROP (min/ft)
10
Gamma (API)
150
Cherokee Sh
4224-1380
cfs @
4250
30MIN: incrs in maroon gummy sh, chlk, crm xln lm, dense, no vis por, no odr, ns.
60MIN: lots of chlk-chlky lm, crm xln lm, v. dense, sli foss, no vis por, one cluster of v. well cemnt ss, fn grn, well sortd, no vis por, no odr, ns.
8/15/2014
mud info.
wt: 9.3
Funnel Vis. 59
Filtrate API: 8.8
Chloride 2,000
LCM # 3
PUMP PRESSURE 950+
4200
4250
4300
4350
4160: mstly sh aa, incrs in crm xln lm, sli foss, dense, no odr, ns.
4170: sig incrs in slty maroon sh, incrs in gummy chlk, few orange chrt, dense, no odr, ns.
4180: incrs in crm chlky lm, mstly crm xln lm, fn xln in prt, dense, no odr, ns.
4190: mstly gry micrtic lm, wht chlk, gry xln lm, v. dense, no vis por, no odr, ns.
4200: incrs in chlky lm, crm xln lm, no vis por, no odr, ns.
4210: lght-drk gry inxln lm, v. dense, no odr, ns.
4220: aa sig incrs in pale orange chert, no vis por, no odr, ns.
4230: incrs in gry micrtic lm-gry xln lm, some semi chrty, no vis por, no odr, ns.
4240: aa, incrs in wht chlk-chlky lm, incrs in crm xln lm, dense, no vis por, no odr, ns.
4250: mstly crm xln lm, dense, poor-no por, no odr, ns.
4260: mstly drk crm xln lm, cemnt flooded, por, lots of chlky lm, no odr, ns.
4270: aa, incrs in maroon & purp sh, no sig change.
4280: mstly crm-tan xln lm, v. dense, no vis por, lots of chlky lm, no odr, ns.
4290: aa, sig incrs in maroon & gry sh, sig incrs in chlky lm, xln lm aa, no odr, ns.
4300: sig incrs in chlk, lots of maroon sh, tan fn xln lm, no vis por, no odr, ns.
4310: gummy sample, v. chlky, lots of maroon sh, poor sample.
4320: mstly purp chlky lm, lots of maroon & purp sh, few tan fn xln lm, semi chrt, no vis por, no odr, ns.
4330: mstly maroon & gry sh, crm xln lm, dense, few cluster qtz ss, fn-med grn, well sortd, sub rounded, v. well cemntd, poor por, no nodr, ns.
4340: aa, sig incrs in qtz ss aa, shw of wht qtz ss, v. fn grn, well rounded, poor por, no odr, ns.
4350: martly maroon sh, crm xln lm, cemnt flooded, dense, no odr, ns.
4360: aa, incrs in chlky lm, mstly maroon sh, no odr, ns.
4370: mstly maroon sh, lots of chlky lm, few yellow qtz ss, fn-med grn, poorly sortd, fair cemnt, subrounded, no odr, ns.
4380: v. gummy sample, crm xln lm, no vis por, poor sample.
4390: incrs in yellow sh, lots of maroon sh, shw of
Neutron Porosity (NAPI)
1
10
100


0
ROP (min/ft)
10
10
Gamma (API)
150
<========
Mississippian
4410-
PUMP PRESSURE 950+
Strait Hole Survey: 1.25 degree
30MIN: mstly crm-tan xln lm, grain stn in prt, med grn, chrty, dense, no odr, ns.
60MIN: same as thirty min sample, slght incrs in por, no odr, ns.
RTD 4500-1656
4400
4450
4500
4550
wht & yellow fn grn ss, 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 chlh-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 chrty 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.
Neutron Porosity (NAPI)
1
10
100