



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1219974
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 Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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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: _____

1219974

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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				

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Adam Eldani Geo-Log/Report

WellSight Systems

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

Measured Depth Log

Well Name: #1 Bodecker 28B
Location: SEC 28-TOWNSHIP 17S- RANGE 35W Wichita County
License Number: API 15-203-20261 Region: KANSAS
Spud Date: 05/01/201 Drilling Completed: 05/12/201
Surface Coordinates: 1475' FNL & 2200' FWL
155'S & 110'W of E/2 E/2 NW
Bottom Hole Deviation Surveys are detailed through out the Geo-Report.
Coordinates:
Ground Elevation (ft): 3209' K.B. Elevation (ft): 3214'
Logged Interval (ft): 3800 To: 5060' Total Depth (ft): 5050'
Formation: Mississippian
Type of Drilling Fluid: Mud-Co Chemical

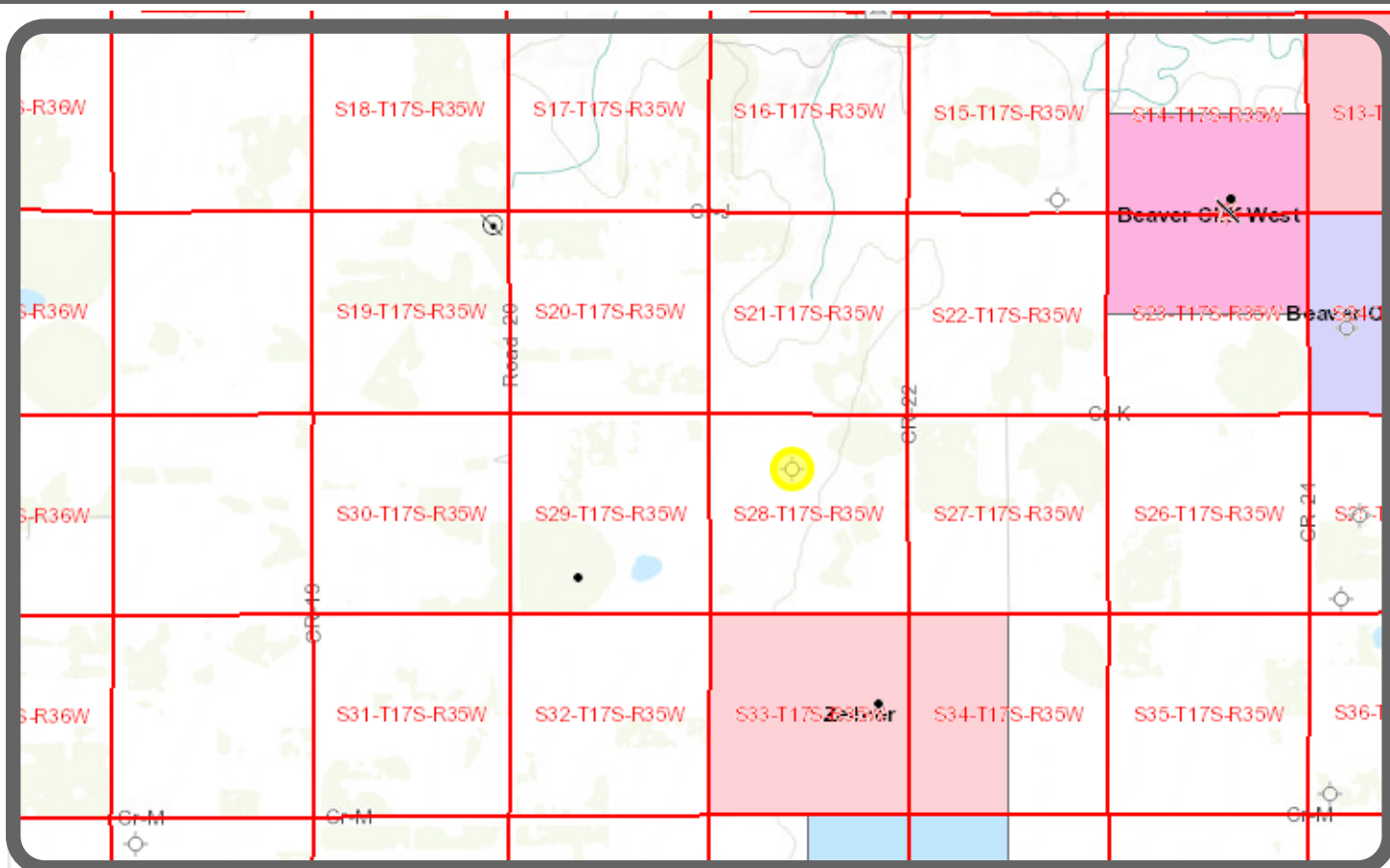
Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Ritchie Exploration Inc. (drilled by WW Rig #2)
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: 2444'+770	Anhydrite: 2447'+767
B/Anhydrite: 2464'+750	B/Anhydrite: 2466'+748
Stotler: 3616'-402	Stotler: 3613'-399
Heebner: 4006'-792	Heebner: 4014'-800
Toronto: 4024'-810	Toronto: 4032'-818
Lansing: 4054'-840	Lansing: 4060'-846
Muncie Sh: 4244'-1030	Muncie Sh: 4244'-1030
Stark Sh: 4341'-1127	Stark Sh: 4343'-1129
Hush: 4387'-1173	Hush: 4395'-1181
BKC: 4436'-1222	BKC: 4439'-1225
Pleasanton: 4442'-1228	Pleasanton: 4442'-1228
Marmaton: 4470'-1256	Marmaton: 4470'-1256
Altamont: 4504'-1290	Altamont: 4504'-1290
Pawnee: 4587'-1373	Pawnee: 4584'-1370
Myrick: 4627'-1413	Myrick: 4624'-1410
Fort Scott: 4642'-1428	Fort Scott: 4646'-1432
Cherokee: 4664'-1450	Cherokee: 4661'-1447
Johnson: 4755'-1541	Johnson: 4746'-1532
Morrow: 4832'-1618	Morrow: 4830'-1616
Mississippian: 4896'-1682	Mississippian: 4904'-1690
RTD 5050'-1836	LTD 5060'-1846

DAILY DRILLING REPORT:

DATE DEPTH:

5/01	Spud
5/02	655'
5/03	2410'
5/04	3330'
5/05	3910'
5/06	4162'
5/07	4350'
5/08	4422'
5/09	4490'
5/10	4609'
5/11	4775'
5/12	5050'

Misc.

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

RIG: WW Rig #2

TOOL PUSHER: Lonnie Lang

MUD: MUD CO. (Tony Maestas)

GAS DETECTOR: N/A

DRILL STEM TEST'S: Diamonid Testing, Inc.

LOGS: NABORS (Iann Mabb)

OFFICE: PETER FIORINI

Comments

Moved in and rigged up. Spud at 2:30 p.m. Ran 6 jts new 23# 8-5/8" surface casing. Tally at 252', set at 260'. Cemented with 170 sacks common, 3% cc, 2% gel. Cement did not circulated. Plug down at 7:30 p.m. Cement with 90 sack common, 3% cc, 2% gel down annulus at 60' through 1" pipe. Cement did circulate to surface. Drilled out plug at 3:30 a.m. on 5/2/14.

AFTER THE RESULTS OF SAMPLE LOGGING, ELECTRIC LOGGING, AND ALL DST TESTS ANALYSIS & CALCULATIONS; IT WAS ELECTED TO PLUG AND ABANDON THE #1 Bodecker 28B.

RTD 5050'. Ran Electric Log. LTD 5060'. Plug and Abandon. 1st plug set at 2500' with 50 sacks of 60/40 Poz, 4% gel, 1/4# Flocele per sack; 2nd plug set at 1480' with 80 sacks; 3rd plug set at 740' with 50 sacks; 4th plug set at 300' with 50 sacks; 5th plug set at 60' with 20 sacks. 250 total sacks. Plugged rat hole with 30 sacks and mouse hole with 20 sacks. Job complete at 9:30 p.m. Plugging orders by Ken Jehlik with the KCC.

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

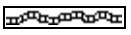
SAMPLES WILL BE DEPOSITED WITH KANSAS GEOLOGICAL SURVEY.

RESPECTFULLY SUBMITTED
Adam M. A. Eldani

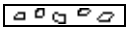
ROCK TYPES



Anhy



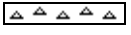
Bent



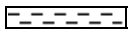
Brec



Carb sh



Cht



Cyst



Coal



Congl



Dol



Gyp



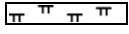
Igne



Lmst



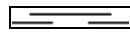
Meta



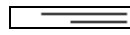
Mrlst



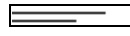
Salt



Shale



Shcol



Shgy



Slst



Ss



Till

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecrefrag
- 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

- 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
- Dead

- Dst_alt
- Dst

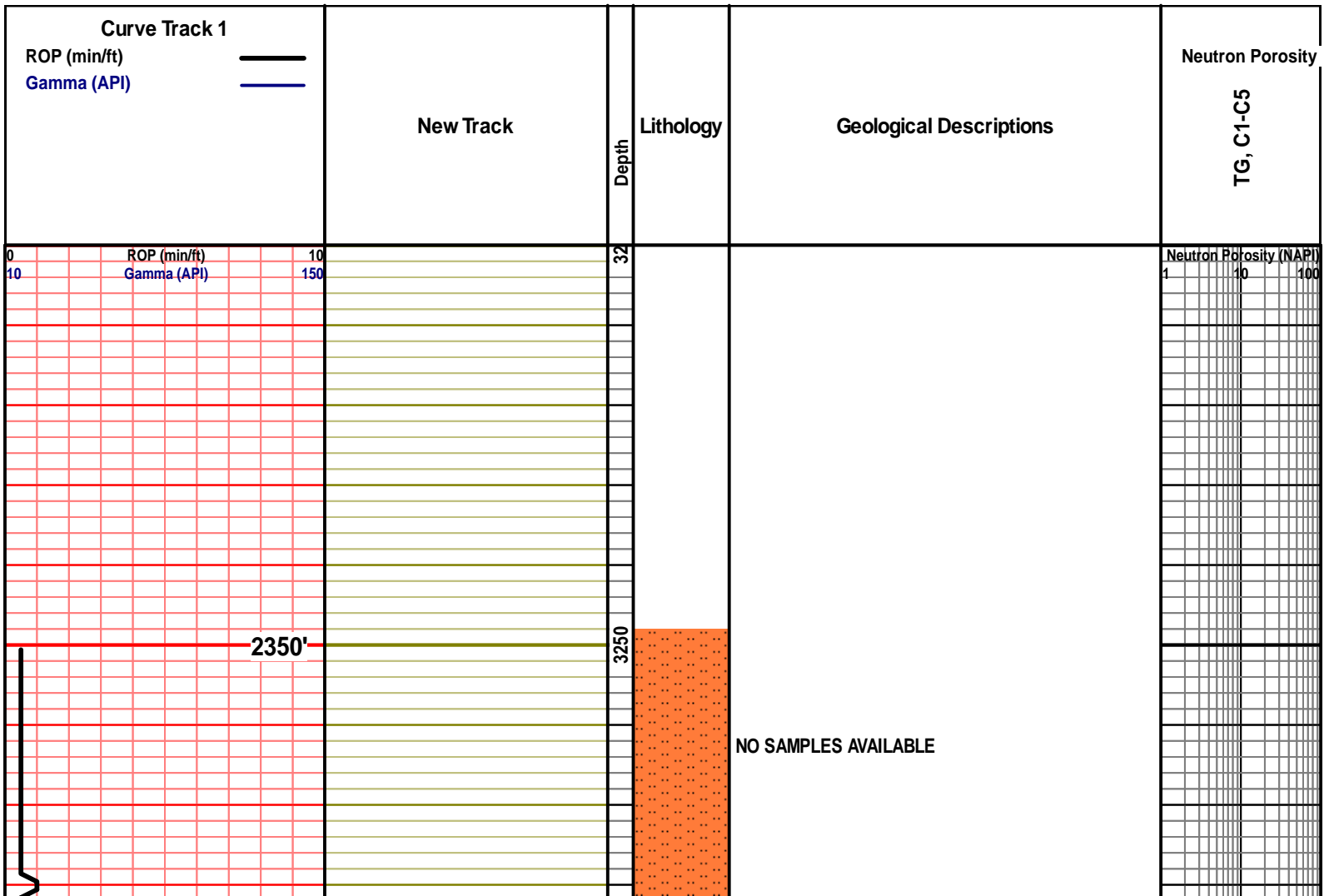
EVENT

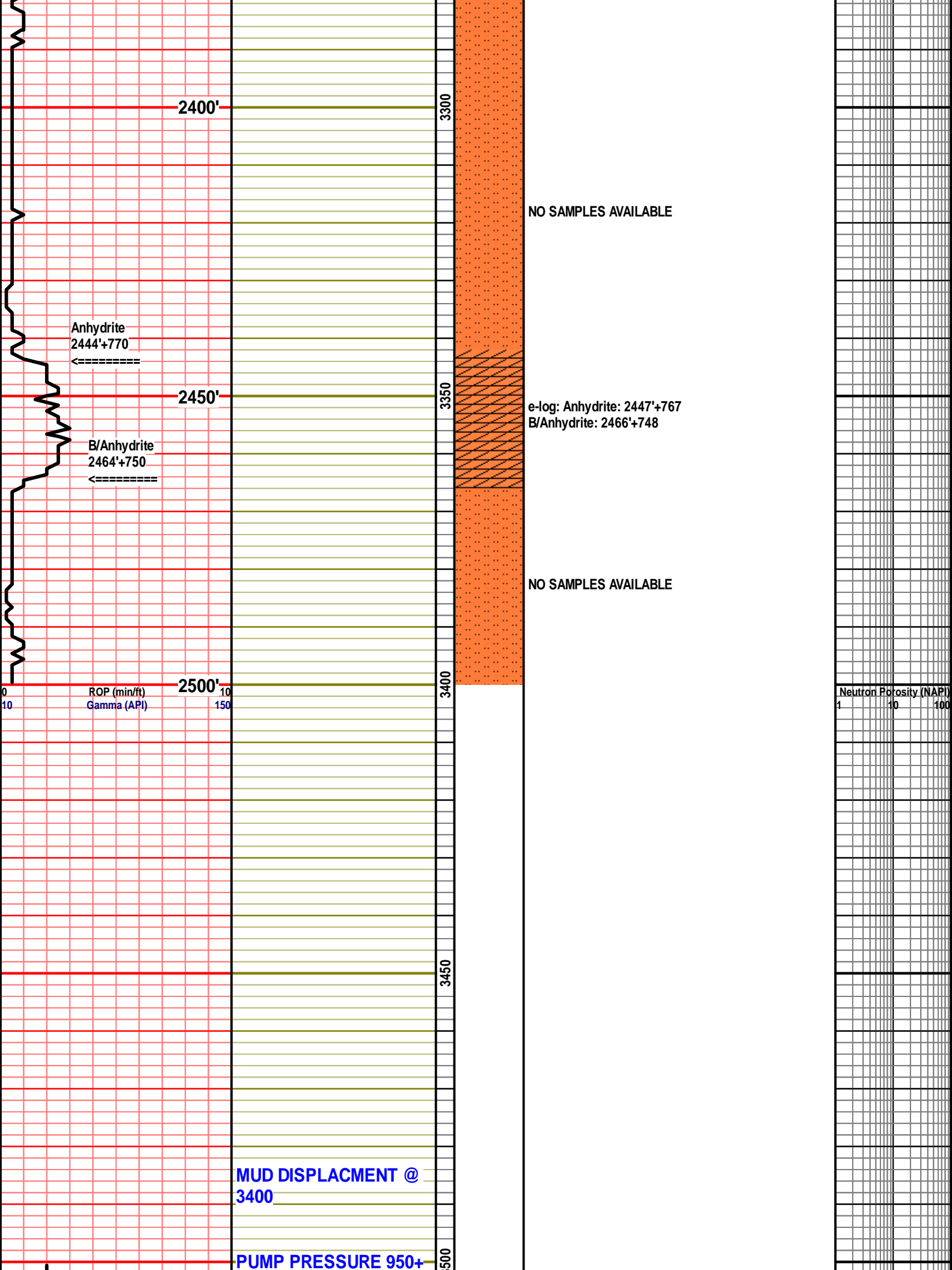
- Rft
- Sidewall

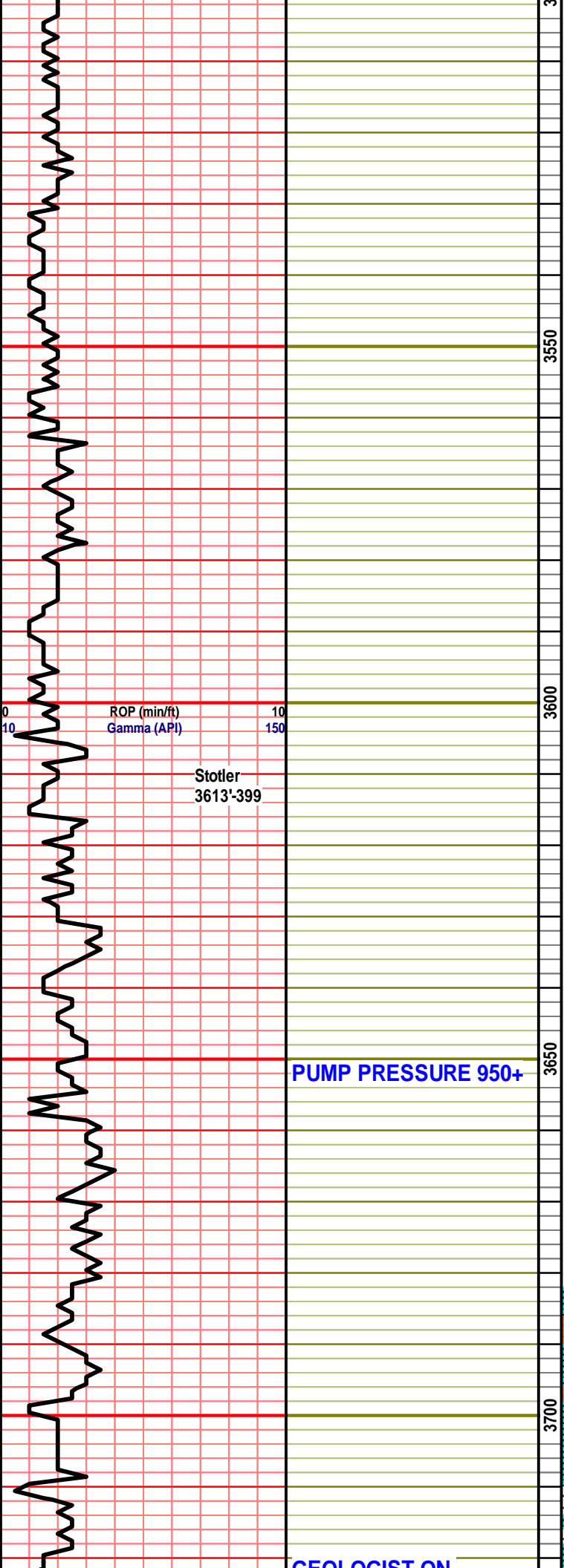
INTERVAL

- Core
- Dst

- OIL SHOW
- aiming_1







NO SAMPLES AVAILABLE

NO SAMPLES AVAILABLE

Neutron Porosity (NAPI)
1 10 100

NO SAMPLES AVAILABLE

PUMP PRESSURE 950+

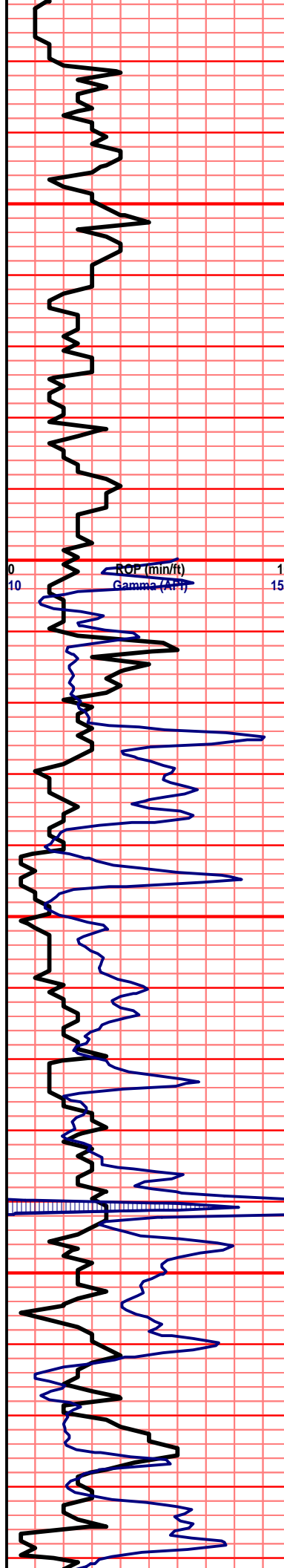
3710: mstly red and gry sh, lots of gry slit stn, tan foss lm, dense, no vi spor, no odr, ns.

3720: mstly crm-tan lm, fn-cors xln, ense, poor-no por, no odr, ns.

3730: incrs in wht chlk, incrs in drk gry sh, mstly crm xln lm, sli foss, dense, no odr ns.

GEOLOGIST ON

GEOLOGIST ON LOCATION @ 3700'



05/05/2014
mud info.
wt: 8.9
Funnel Vis. 55
Filtrate API: 6.4
Chloride 5,000
LCM # 2

PUMP PRESSURE 950+

PUMP PRESSURE 950+



3740: aa, no sig change, no odr, ns.

3750: sig incrs in gry slty sh, tan xln lm, dense, cemnt flooded, no odr, ns.

3760: incrs in gry slt stn, crm xln lm, no vis por, no odr, ns.

3770: incrs in slt sh, incrs in crm chlky lm, tan-gry xln-foss lm, no odr, ns.

3780: aa, incrs in gry fn xln lm, dense, no odr, ns.

3790: incrs in wht-crm chlky lm, incrs in brwn micrtic lm, v. fn grn, poor por, no odr, ns.

3800: aa, incrs in chlky lm, incrs in crm fn xln lm, v. dense, no odr, ns.

3810: incrs in crm chlky lm shw of crm xln lm, poor por, no odr, ns.

3820: aa, gry foss lm, well cemntd, v. dense, no odr, ns.

3830: aa, incrs in drty crm micrtic lm, well cemntd, crm fn xln lm, no odr, ns.

3840: aa, incrs in crm chlky-chlky lm, no odr, ns.

3850: aa, incrs in gry xln lm, foss, well cemntd, poor-no xln por, no odr, ns.

3860: aa, incrs in gry sh, shw of blk carb sh, no odr, ns.

3870: mstly crm chlky lm, some tan micrtic lm v. fn-grn, well cemntd, dense, no odr, ns.

3880: aa, no sig change, no odr, ns.

3890: incrs in tanish/crm xln-foss lm, dense, poor por, no odr, ns.

3900: lots of wht chlky-chlky lm, tan foss lm, sli xln poor por, no odr, ns.

3910: aa, incrs in chlky lm, slight incrs in gry sh, no odr, ns.

3920: lots of gry sh, shw of blk carb sh, mstly tan micrtic lm, v. fn grn, fair cemnt, no odr, ns.

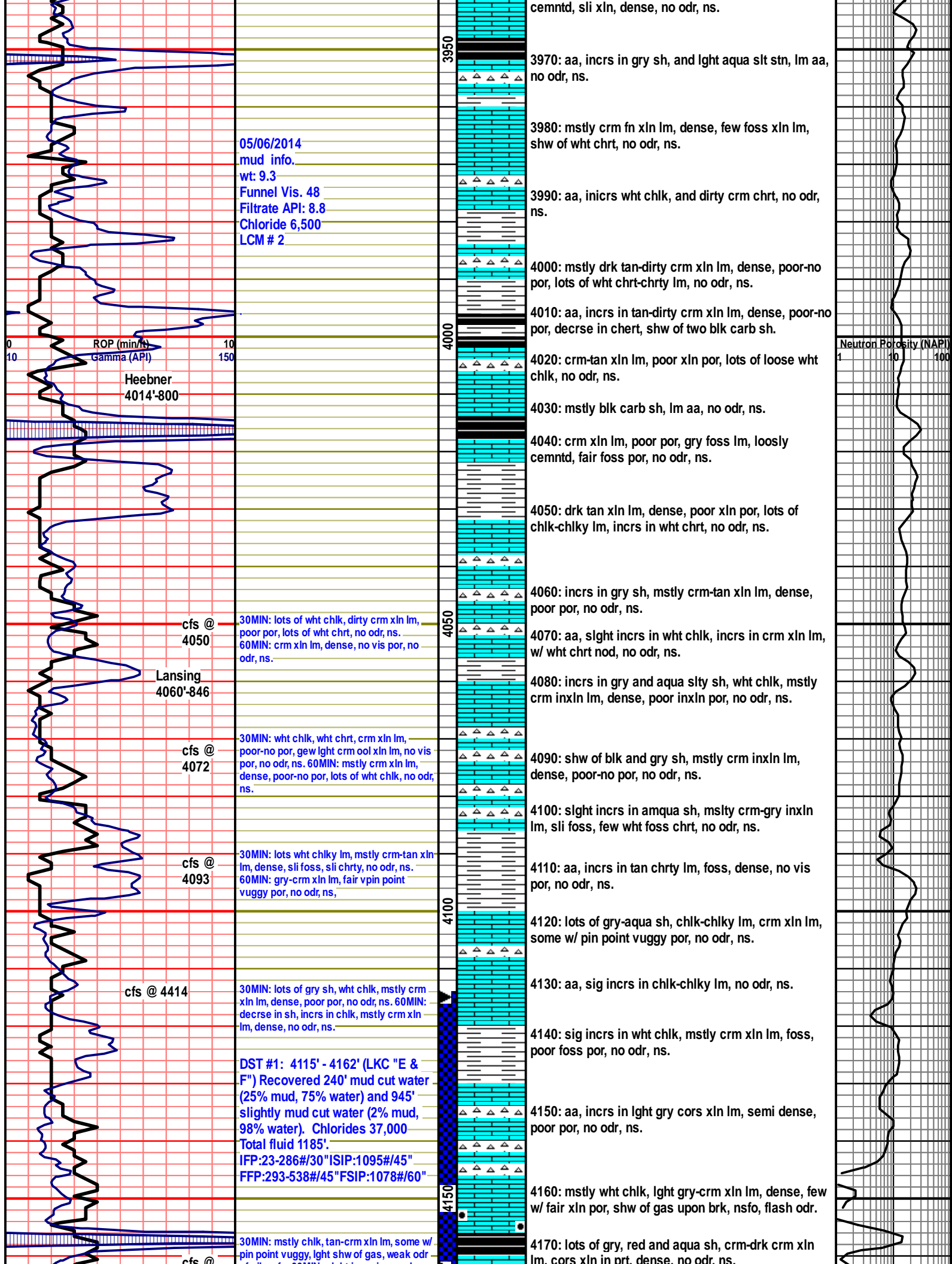
3930: shw of red sh, incrs in glht crm fn cln lm, dense, no odr, ns.

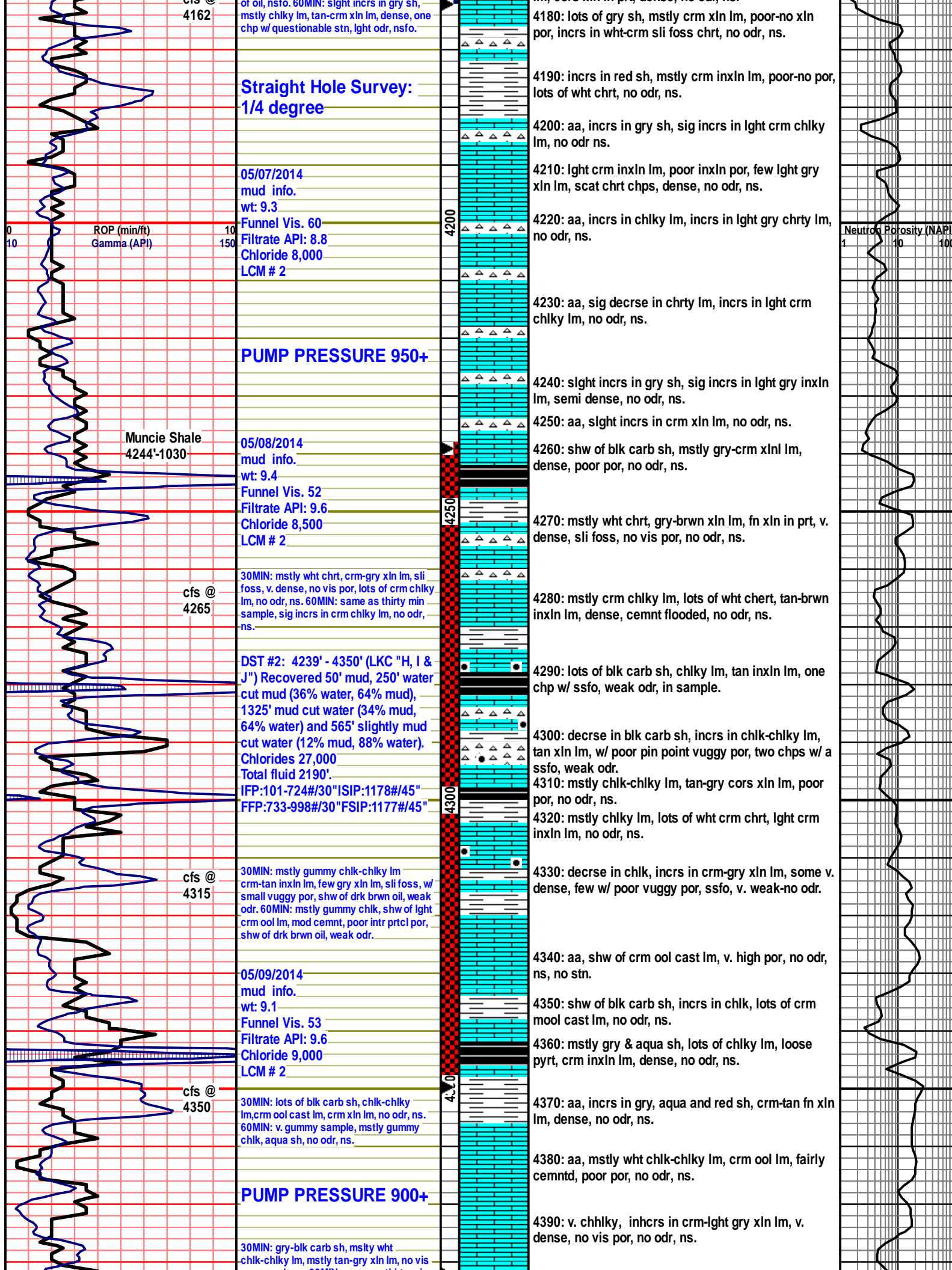
3940: mstly crm-tan xln lm, dense, shw of wht chrt, no odr, ns.

3950: lght crm foss lm, wel cemntd, few crm-wht foss chrt, dense, no odr, ns.

3960: aa, shw of lght crm micrtic lm, v. fn grn, well

Neutron Porosity (NAPI)
1 10 100





4162

or oil, nsfo. 60MIN: sght incrs in gry sh, mstly chlky lm, tan-crm xln lm, dense, one chp w/questionable stn, lght odr, nsfo.

4180: lots of gry sh, mstly crm xln lm, poor-no xln por, incrs in wht-crm sli foss chrt, no odr, ns.

**Straight Hole Survey:
1/4 degree**

4190: incrs in red sh, mstly crm inxln lm, poor-no por, lots of wht chrt, no odr, ns.

4200: aa, incrs in gry sh, sig incrs in lght crm chlky lm, no odr ns.

05/07/2014

mud info.
wt: 9.3

Funnel Vis. 60
Filtrate API: 8.8
Chloride 8,000
LCM # 2

4210: lght crm inxln lm, poor inxln por, few lght gry xln lm, scat chrt chps, dense, no odr, ns.

4220: aa, incrs in chlky lm, incrs in lght gry chrtly lm, no odr, ns.

Neutron Porosity (NAPI)

PUMP PRESSURE 950+

Muncie Shale
4244'-1030'

05/08/2014

mud info.
wt: 9.4

Funnel Vis. 52
Filtrate API: 9.6
Chloride 8,500
LCM # 2

4230: aa, sig decse in chrtly lm, incrs in lght crm chlky lm, no odr, ns.

4240: slght incrs in gry sh, sig incrs in lght gry inxln lm, semi dense, no odr, ns.

4250: aa, slght incrs in crm xln lm, no odr, ns.

4260: shw of blk carb sh, mstly gry-crm inxln lm, dense, poor por, no odr, ns.

cfs @
4265

30MIN: mstly wht chrt, crm-gry xln lm, sli foss, v. dense, no vis por, lots of crm chlky lm, no odr, ns. 60MIN: same as thirty min sample, sig incrs in crm chlky lm, no odr, ns.

4270: mstly wht chrt, gry-brwn xln lm, fn xln in prt, v. dense, sli foss, no vis por, no odr, ns.

4280: mstly crm chlky lm, lots of wht chert, tan-brwn inxln lm, dense, cemnt flooded, no odr, ns.

DST #2: 4239' - 4350' (LKC "H, I & J") Recovered 50' mud, 250' water cut mud (36% water, 64% mud), 1325' mud cut water (34% mud, 64% water) and 565' slightly mud cut water (12% mud, 88% water). Chlorides 27,000 Total fluid 2190'. IFP:101-724#/30"ISIP:1178#/45" FFP:733-998#/30"FSIP:1177#/45"

4290: lots of blk carb sh, chlky lm, tan inxln lm, one chp w/ ssfo, weak odr, in sample.

4300: decse in blk carb sh, incrs in chlky-chlky lm, tan xln lm, w/ poor pin point vuggy por, two chps w/ a ssfo, weak odr.
4310: mstly chlky-chlky lm, tan-gry cors xln lm, poor por, no odr, ns.
4320: mstly chlky lm, lots of wht crm chrt, lght crm inxln lm, no odr, ns.

cfs @
4315

30MIN: mstly gummy chlky-chlky lm, crm-tan inxln lm, few gry xln lm, sli foss, w/ small vuggy por, shw of drk brwn oil, weak odr. 60MIN: mstly gummy chlky, shw of lght crm ool lm, mod cemnt, poor intr prtcl por, shw of drk brwn oil, weak odr.

4330: decse in chlky, incrs in crm-gry xln lm, some v. dense, few w/ poor vuggy por, ssfo, v. weak-no odr.

4340: aa, shw of crm ool cast lm, v. high por, no odr, ns, no stn.

05/09/2014

mud info.
wt: 9.1

Funnel Vis. 53
Filtrate API: 9.6
Chloride 9,000
LCM # 2

4350: shw of blk carb sh, incrs in chlky, lots of crm mool cast lm, no odr, ns.

4360: mstly gry & aqua sh, lots of chlky lm, loose pyrt, crm inxln lm, dense, no odr, ns.

cfs @
4350

30MIN: lots of blk carb sh, chlky-chlky lm, crm ool cast lm, crm xln lm, no odr, ns. 60MIN: v. gummy sample, mstly gummy chlky, aqua sh, no odr, ns.

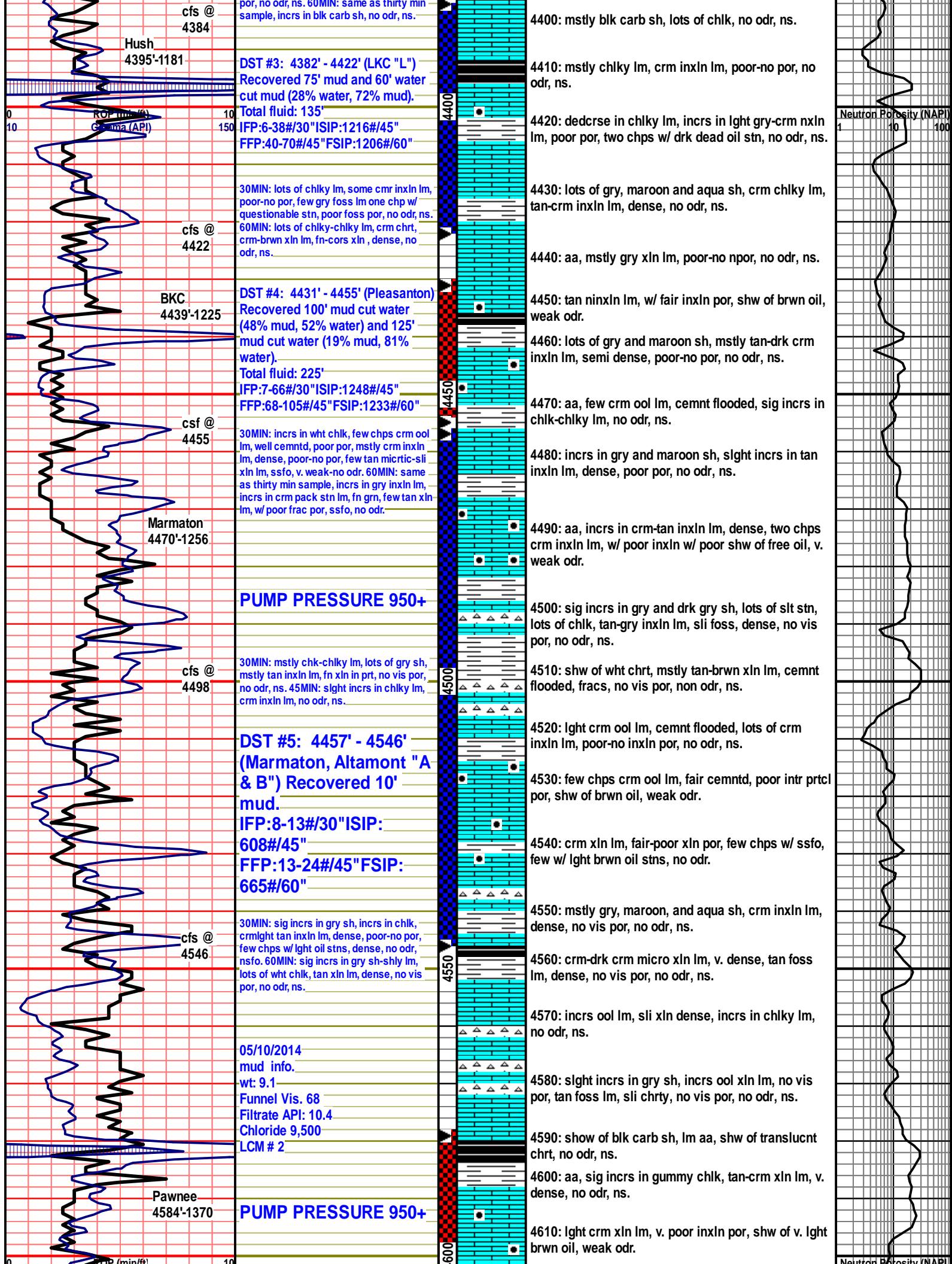
4370: aa, incrs in gry, aqua and red sh, crm-tan fn xln lm, dense, no odr, ns.

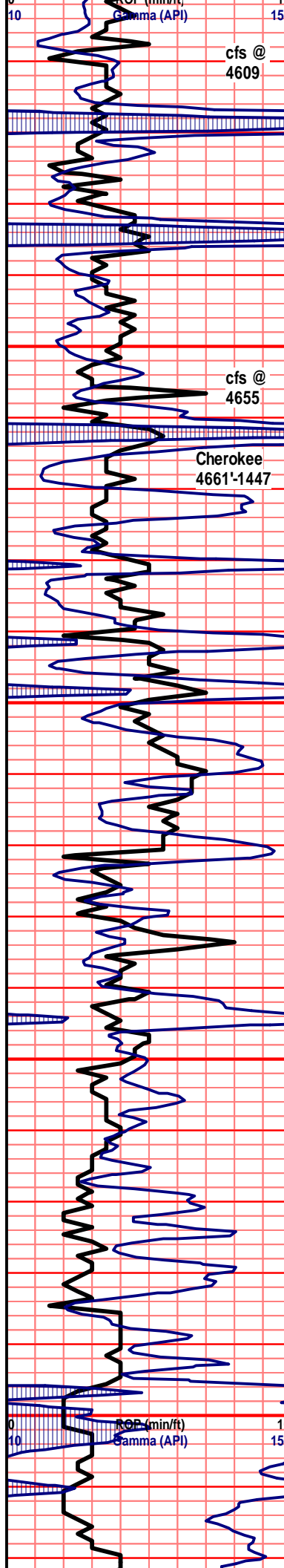
4380: aa, mstly wht chlky-chlky lm, crm ool lm, fairly cemntd, poor por, no odr, ns.

PUMP PRESSURE 900+

30MIN: gry-blk carb sh, mstly wht chlky-chlky lm, mstly tan-gry xln lm, no vis

4390: v. chhlky, inhcrs in crm-lght gry xln lm, v. dense, no vis por, no odr, ns.





30MIN: slght incrs in gummy chlk, gry xln lm, crm xln lm, few lght crm xln lm, w/ lght oil stn, no odr, nsfo. 60MIN: shw of blk carb sh, incrs in wht foss chrt, v. dense, gry-tan xln lm, v. dense, no vis por, no odr, ns.

DST #6: 4579' - 4655' (Pawnee, Myrick & Fort Scott) Recovered 5' mud.
IFP: 7-8#/30" ISIP: 22#/30"
FFP: 7-12#/30" FSIP: 31#/30"

30MIN: incrs in gry clay sh, sig incrs in wht chrt, lots of gry inxln lm, v. dense, no vis por, no odr, ns. 60MIN: incrs in blk carb sh, incrs in gry sh, gry inxln lm, v. dense, no vis por, no odr, ns.

PUMP PRESSURE 950+

05/11/2014 mud info.
 wt: 9.1
 Funnel Vis: 55
 Filtrate API: 8.8
 Chloride 9,000
 LCM # 2



4620: shw of blk carb sh, mstly crm-gry xln lm, v. dense, no vis por, no odr, ns.

4630: incrs in chlky lm, mstly brwn-gry inxln lm, v. dense, sli foss, no odr, ns.

4640: incrs in brwn and blk carb sh, brwn inxln lm, v. dense, sli foss, no vis por, no odr, ns.

4650: lots of gry-chlky lm, crm-xln xln lm, sli chlky, poor pin point vuggy por, shw of lght brwn oil, v. weak odr.

4660: lots of gry and maroon sh, translucnt chrt, tan xln lm, dense, no odr, ns.

4670: sig incrs in wht chlk, lots of drk gry-blk sh, foss pyrtzd chrt, no odr, ns.

4680: aa, incrs in blk carb sh, crm-tan inxln lm, foss, dense, no vis por, no odr, ns.

4690: lots of chlky lm, crm-tan micro xln lm, poor por, no odr ns.

4700: aa, incrs in tan/crm micro xln lm, few drty crm ool lm, cemnt flooded, no odr, ns.

4710: sig incrs in gry gummy chlk, incrs in blk sh, tan fn xln lm, dense, no vis por, no odr, ns.

4720: mstly blk-drk gry sh, tan-gry inxln lm, dense, no odr, ns.

4730: lots of tan crm chlky lm, tan inxln lm, cemnt flooded por, no vis por, no odr, ns.

4740: incrs in chlky lm, shw of wht foss chrt, incrs in tan inxlnlm, cemnt overgrowth, no odr, ns.

4750: crm-lght brwn chrt lm, no vis por, no odr, ns.

4760: aa, incrs in wht chlk-chlky lm, incrs in blk-gry sh, no odr, ns.

4770: mstly tan-lght brwn fn xln lm, sli chrt, dense, no odr, ns.

4780: shw of brwn foss chrt, drty crm-tan inxln lm, v. dense, no vis por, no odr, ns.

4790: incrs in gry chrt lm, sli foss, incrs in gry sh, lm aa, no odr, ns.

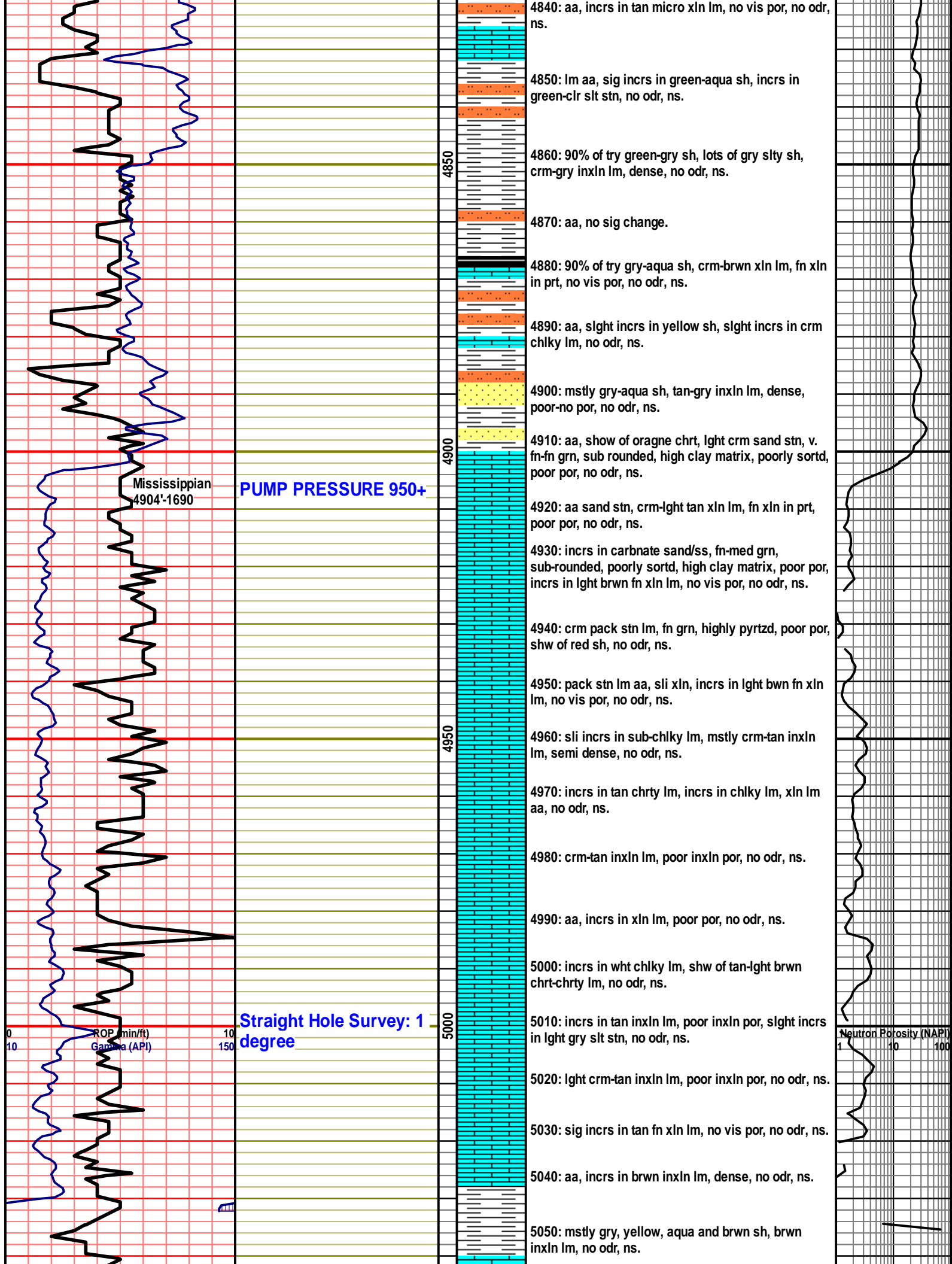
4800: mstly gry sh, crm-tan xln lm, one chp chlky xln lm, w/ slght shw of free oil, poor-no odr.

4810: lots of chlky lm, gry-tan inxln lm, v. dense, no vis por, no odr, ns.

4820: mstly tan-gry inxln lm, v. dense, poor-no por, few scat brwn chrt, no odr, ns.

4830: incrs in gry sh, incrs in gry foss xln lm, lots of crm chlky lm, no odr, ns.

Neutron Porosity (NAPI)



Mississippian
4904-1690

PUMP PRESSURE 950+

Straight Hole Survey: 1 degree

ROP (min/ft)
Gamma (API)

Neutron Porosity (NAPI)

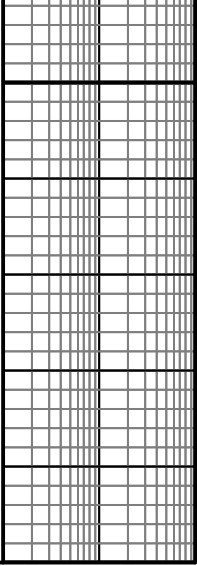


RTD 5050'

30MIN: poor sample, sig incrs in chlk, lots of gry, aqua and brwn sh, brwn inxln lm, poor-no por, no odr, ns. 60MIN: same as thirty min, mostly brwn xln lm, dense, poor por, no odr, ns.

5050

00





#1 Bodecker 28B

1475' FNL & 2200' FWL

155'S & 110'W of E/2 E/2 NW Section 28-17S-35W

Wichita County, Kansas

API# 15-203-20261-0000

Elevation: 3209' GL, 3214' KB

Sample Tops			Ref. Well
Anhydrite	2444'	+770	Flat
B/Anhydrite	2464'	+750	-4
Stotler	3616'	-402	+14
Heebner	4006'	-792	+16
Toronto	4024'	-810	+16
Lansing	4054'	-840	+14
Muncie Shale	4244'	-1030	+6
Stark Shale	4341'	-1127	+13
Hush	4387'	-1173	+14
BKC	4436'	-1222	+14
Pleasanton	4442'	-1228	+14
Marmaton	4470'	-1256	+13
Altamont	4504'	-1290	+11
Pawnee	4587'	-1373	+6
Myrick	4627'	-1413	+7
Fort Scott	4642'	-1428	+4
Cherokee	4664'	-1450	+8
Johnson	4755'	-1541	+5
Morrow	4832'	-1618	+10
Mississippian	4896'	-1682	+16
RTD	5050'	-1836	

ALLIED OIL & GAS SERVICES, LLC 062100

Federal Tax I.D. #20-8651475

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

SERVICE POINT:
Oakley, KS

DATE <u>8-1-14</u>	SEC. <u>28</u>	TWP. <u>17</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION <u>6:00 pm</u>	JOB START <u>10:00 am</u>	JOB FINISH <u>11:00 pm</u>
LEASE <u>Boedeker 28 B</u>	WELL# <u>1</u>	LOCATION <u>Marionthal SW, 174E</u>			COUNTY <u>Wichita</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>12 5/8, CW mix</u>			

CONTRACTOR <u>WW 2</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 5/8</u>	T.D. <u>2601</u>
CASING SIZE <u>8 7/8</u>	DEPTH <u>260'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LBFT IN CSG. <u>151</u>	
PERFS.	
DISPLACEMENT <u>1568 661</u>	
EQUIPMENT	
PUMP TRUCK # <u>422</u>	CEMENTER <u>Kahme E. Clark</u>
	HELPER <u>Terry Hemrick</u>
BULK TRUCK # <u>386/1310</u>	DRIVER <u>Juan Mendez (T.E.)</u>
BULK TRUCK #	DRIVER

CEMENT AMOUNT ORDERED <u>170 5/8 cement 380 CC</u>	
<u>220 gal</u>	
COMMON <u>170 5/8</u>	@ <u>17.90</u> <u>3043.00</u>
POZMIX	@
GEL <u>350</u>	@ <u>2.340</u> <u>702.00</u>
CHLORIDE <u>650</u>	@ <u>6.00</u> <u>384.00</u>
ASC	@
Material Total @ <u>3447.00</u>	
(<u>699.91/200</u>)	
HANDLING <u>183.83 5/8</u>	@ <u>2.48</u> <u>753.90</u>
MILEAGE <u>8.37 hrs X 20 X 260</u>	<u>1526.98</u>

REMARKS:
Mix 170 5/8 cement
Displace with water
Cement did not circulate
after 1st part.
Bulk truck air can did not empty
fully, 1" to 1 1/2" mix rest of
cement. Cement did circulate
Thank you

SERVICE	
DEPTH OF JOB <u>26</u>	
PUMP TRUCK CHARGE	<u>1512.25</u>
EXTRA FOOTAGE	@
MILEAGE <u>MTAV 70</u>	@ <u>7.70</u> <u>539.00</u>
MANIFOLD <u>MTAV</u>	@ <u>4.40</u> <u>308.00</u>
(<u>923.42/200</u>)	
TOTAL <u>4617.13</u>	

CHARGE TO: Ritchie
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT	
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
TOTAL _____	

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.

SALES TAX (if Any)	_____
TOTAL CHARGES <u>8,114.33</u>	
DISCOUNT <u>1,622.86 (200)</u>	IF PAID IN 30 DAYS
<u>6,491.46 Net</u>	

PRINTED NAME Walter Brown
SIGNATURE Walter Brown



CONSOLIDATED
Oil Well Services, LLC

268073

TICKET NUMBER 46884

LOCATION Oakley MS

FOREMAN Miles Shaw

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-12-14	7173	Bodecker 28R #1	28	17S	35W	Wichita
CUSTOMER <u>Richie Exploration</u>			Merrittall US 4014MK 1/2" E 5.15 to			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			STATE	ZIP CODE		
			528711	Jeremy H		
			327	Lance R		

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.8" SLURRY VOL 1.40 WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting and rig on well drilling ris #2 plus as ordered
1st 50 SWS @ 2500'
2nd 20 SWS @ 1400'
3rd 50 SWS @ 740'
4th 50 SWS @ 300'
Top 20 SWS @ 60' 300 SWS 60/40 per 48 gal 1/4" #1 fluid
RH 30 SWS
MH 20 SWS

Thanks Miles & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405W	1	PUMP CHARGE	1395.00	1395.00
5406	50	MILEAGE	5.25	262.50
5407A	12.9 Tons	Ton Mileage delivery	1.75	225.75
5407	75 #	Fluspal	2.97	222.75
1118 B	1032 #	Bentonite gel	.27	278.64
1131	300 SWS	60/40 per Cement	15.86	4758.00
			Subtotal	8045.89
			10% discount	804.59
			Subtotal	7241.30
			SALES TAX	385.78
			ESTIMATED TOTAL	7627.08

Ravin 9737

Completed

AUTHORIZATION Walter Brown TITLE Pusher DATE 5-12-14

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.