



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1119570  
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: \_\_\_\_\_



1119570

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

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

## WellSight Systems

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

Measured Depth Log

Well Name: #2 Potosi  
Location: SEC 13- twp 27S- rge 24W      FORD COUNTY  
License Number: API 15-057-20856      Region: KANSAS  
Spud Date: 11/07/2012      Drilling Completed: 11/18/2012  
Surface Coordinates: 1662' FNL & 335' FWL

Bottom Hole Deviation Surveys are detailed through out the Geo-Report.

Coordinates:  
Ground Elevation (ft): 2440      K.B. Elevation (ft): 2451  
Logged Interval (ft): 3400      To: 5105      Total Depth (ft): 5100  
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 DUKE #10)  
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

#### TOPS:

#### E-LOG:

#### SAMPLE TOPS:

Anhydrite1477'+974	Anhydrite1476'+973
B/Anhydrite 1520'+931	B/Anhydrite1517'+934
Stotler 3484'-1033	Stotler 3485'-1034
Heebner 4142'-1691	Heebner 4142'-169
Lansing4258'-1807	Lansing 4265'-1814
Muncie Shale 4444'-1993	Muncie Shale4444'-1993
Stark Shale4570'-2119	Stark Shale4574'-2123
Hush 4615'-2164'	Hush 4618'-2167
BKC 4649'-2198	BKC 4654'-2203
Marmaton4706'-2255	Marmaton 4710'-2259
Altamont4727'-2276	Altamont 4733'-2282
Pawnee4784'-2333	Pawnee 4785'-2334
Cherokee Shale4831'-2380	Cherokee Shale 4834'-2383
Huck 4918'-2467	Huck 4918'-2467
Atoka 4935'-2484	Atoka 4935'-2484
Mississippian 4981'-2530	Mississippian 4972'-2521

Misc. Info.

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

DAILY DRILLING REPORT:

DATE 7AM DEPTH

11/7 Spud  
 11/9 360  
 11/10 1951  
 11/11 2790  
 11/12 3439  
 11/13 3990  
 11/14 4486  
 11/15 4804  
 11/16 4926  
 11/17 4976  
 11/18 5090

Comments

Casing: 8 5/8" @ 360'

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

TESTING COMPANY: SUPERIOR WELL TESTERS.

MUD COMPANY: MUD CO.

After evaluation of DST's and Electric Logs, 4 1/2" Production casing was set on the #2 POTOSI for further testing for commerical quantities of oil and gas.

SAMPLES WILL BE DEPOSITED WITH KANSAS GEOLOGICAL SURVEY.

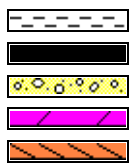
RESPECTFULLY SUBMITTED

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

### ACCESSORIES

#### MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- 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
- Dst\_alt

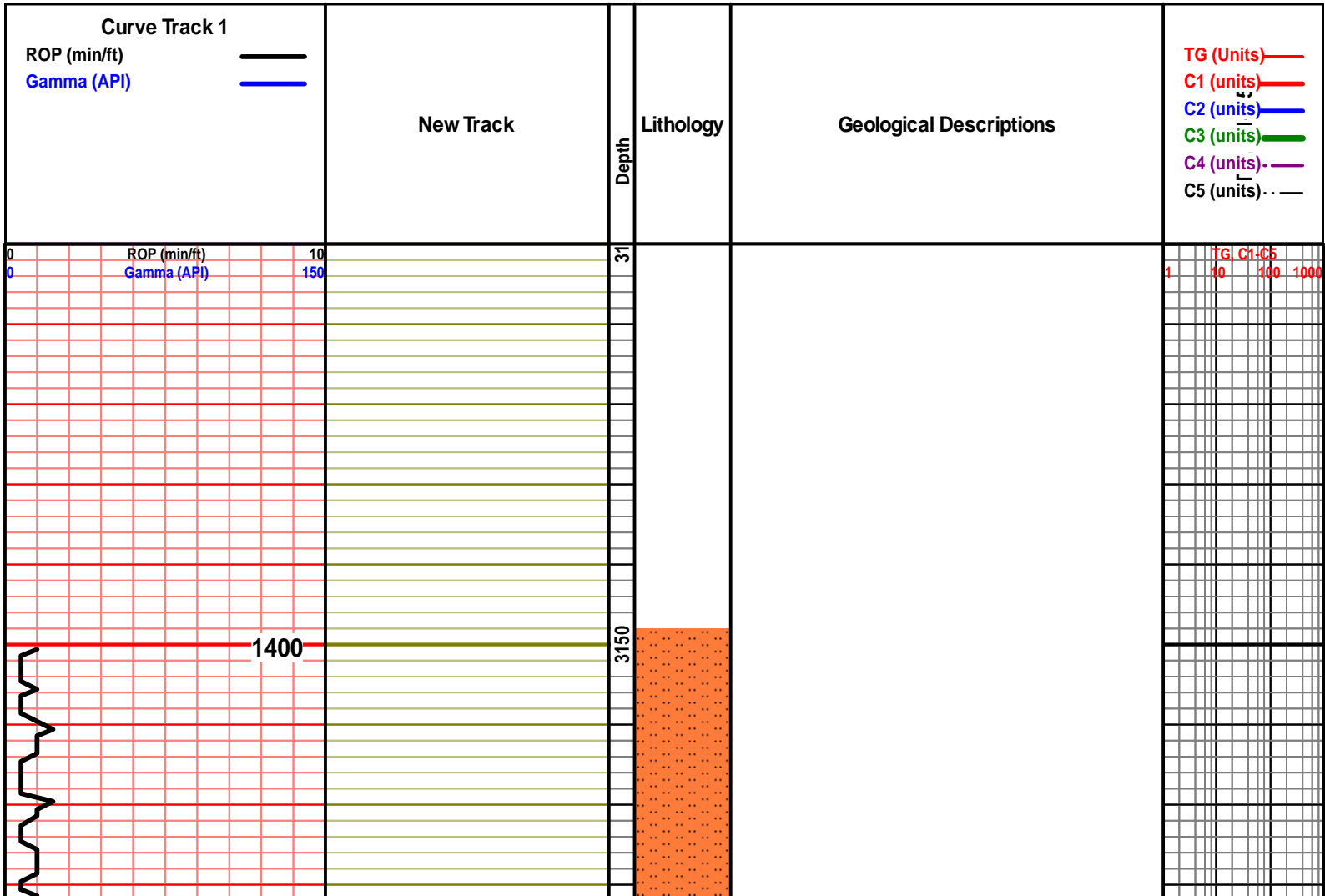
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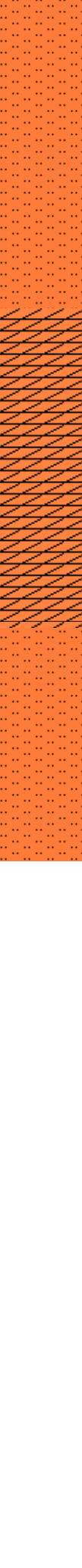
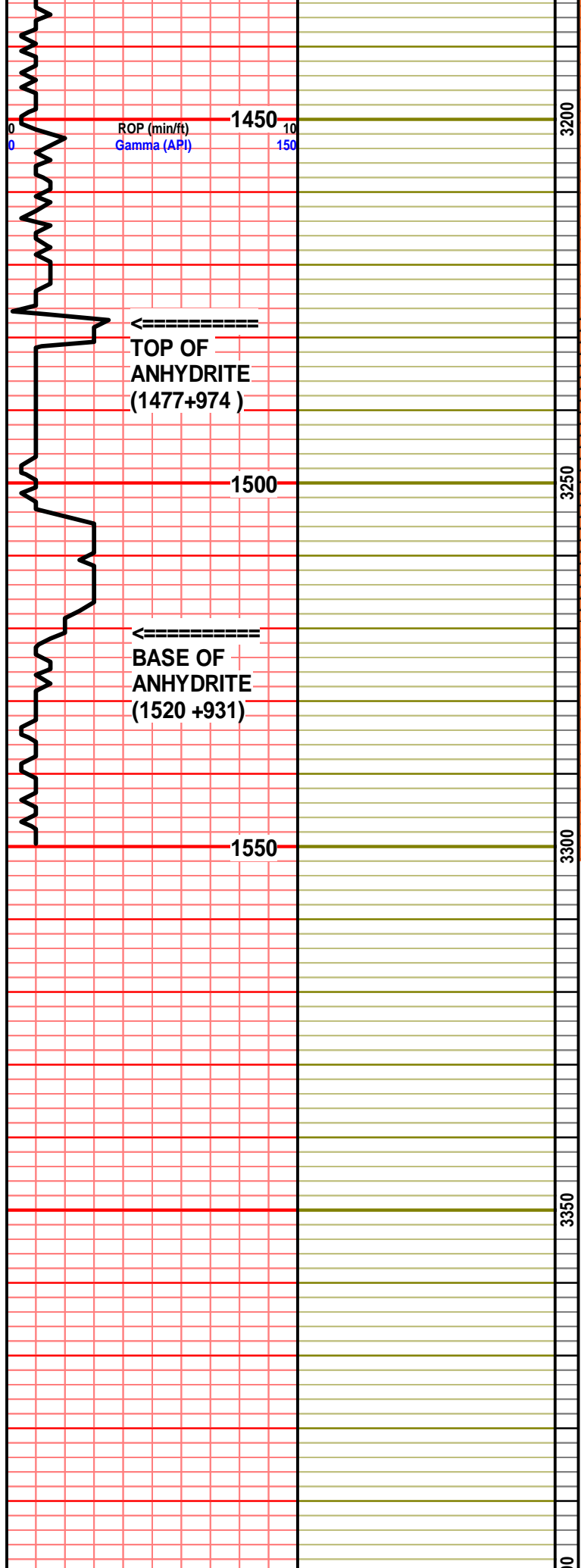
- Rft
- Sidewall

#### INTERVAL

- Core
- Dst

- OIL SHOW
- aimimg\_1





NO SAMPLES

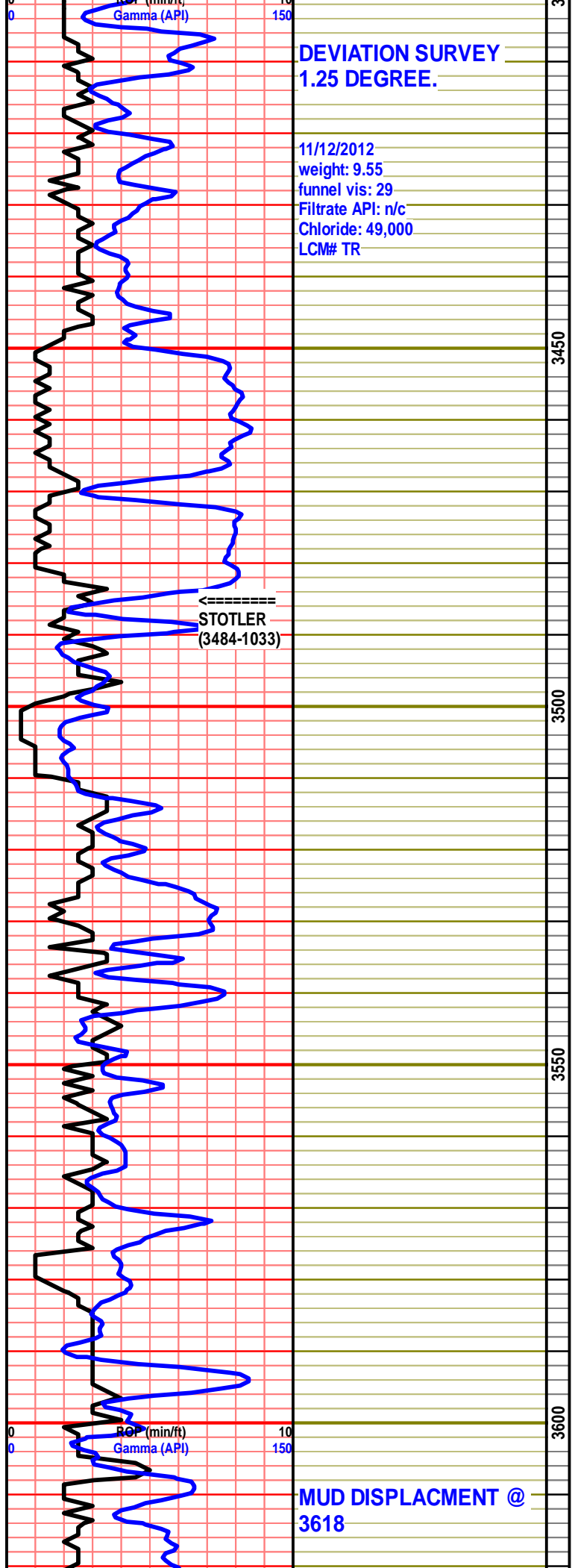
NO SAMPLES

NO SAMPLES

NO SAMPLES AVA.

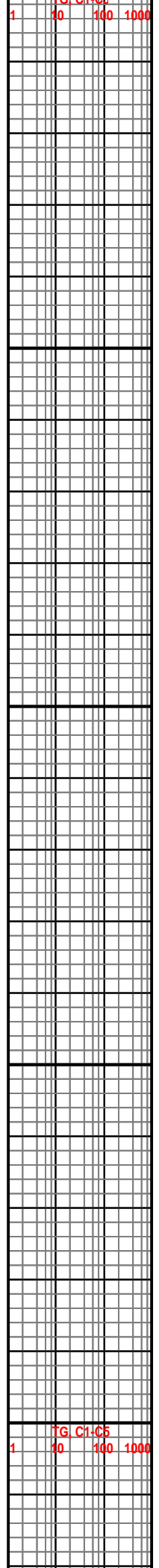
TG C1/C5  
1 10 100 1000

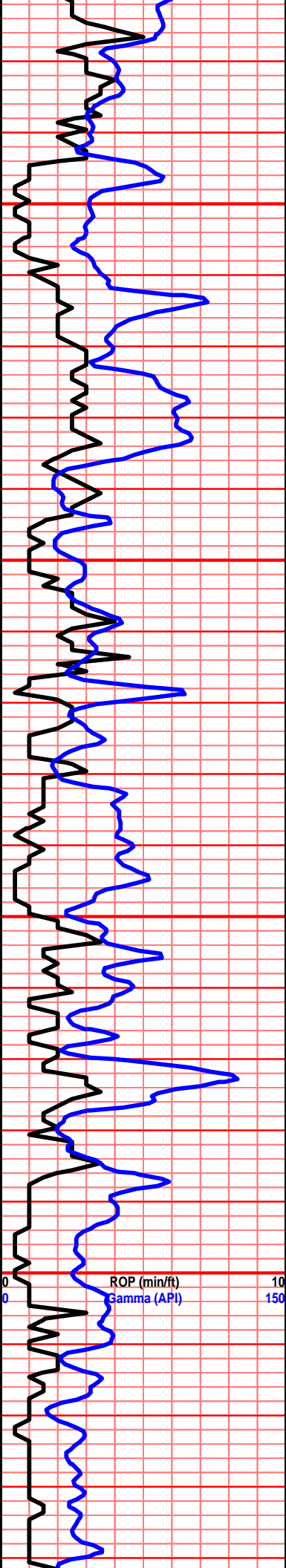
TG C1/C5



NO SAMPLES AVA.

NO SAMPLES AVA.





GEOLOGIST ON LOCATION @ 3700'

PUMP PRESSURE: 850+

NO SAMPLES AVA.

NO SAMPLES AVA.

3650

3700

3750

3800

3810: mstly drk tan sub-chlky lm, few tan foss lm, (fuss), no odr, ns.

3820: aa, incrs in criniod foss, no odr, ns.

3830: incrs, in gry sh, tan grn stn lm, fair intr prtcl por, no odr, ns.

3840: aa, crm-tan inxln lm, poor inxln por, no odr, ns.

3850: incrs in maroon slty sh, gry-tan inxln lm, poor-no por, no odr, ns.

3860: crm chrt, lght crm chrtly lm, prtly foss, no odr, ns.

TG C1-C5  
1 10 100 1000





**PUMP PRESSURE: 850+**

11/13/2012  
 weight: 8.75  
 funnel vis: 49  
 Filtrate API: 8.8  
 Chloride: 5,300  
 LCM# 1.5

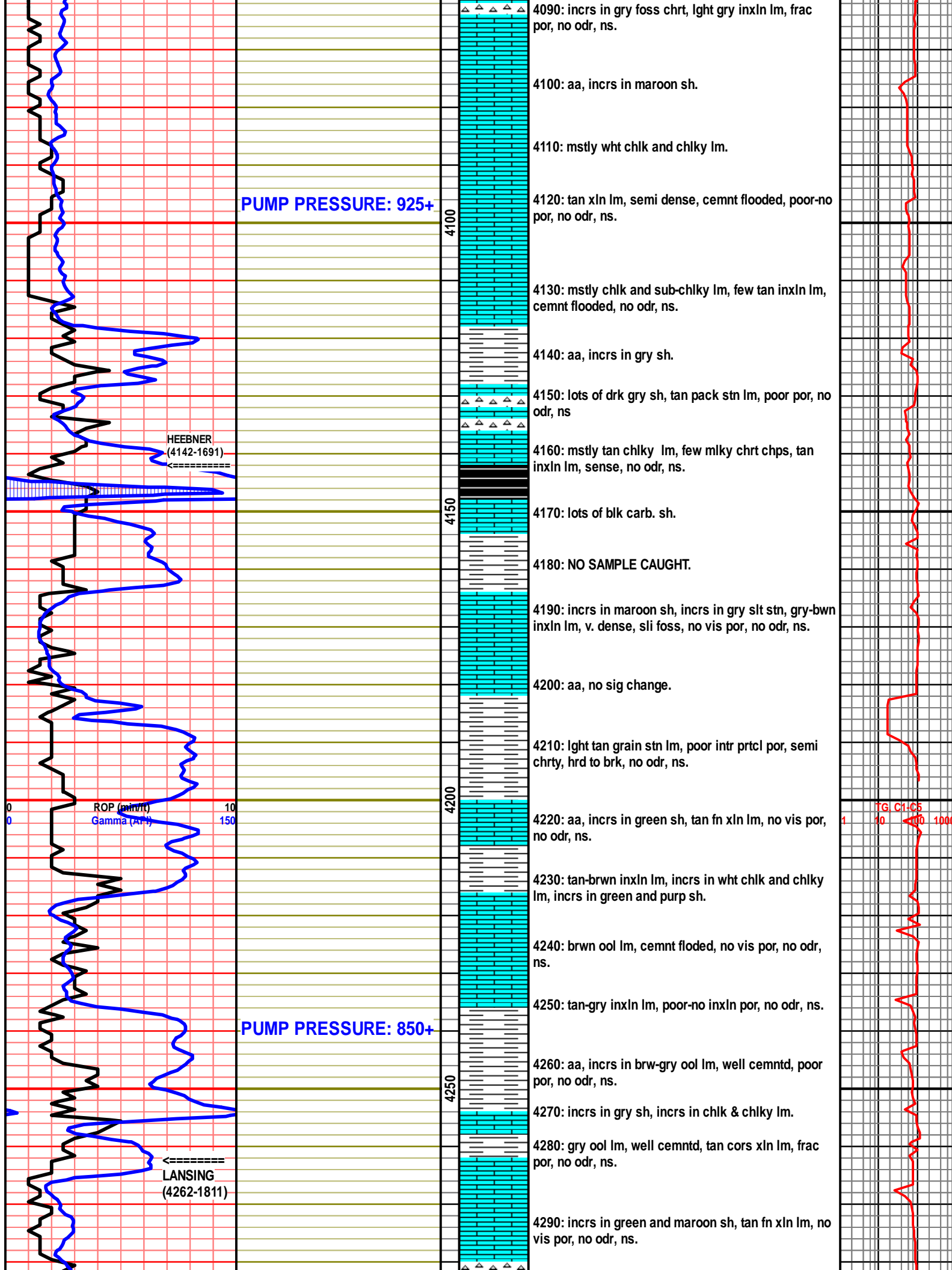
**DEVIATION SURVEY  
 0.25 DEGREE.**



3870: mstly gry and maroon sh.  
 3880: aa, crm pack stn lm, poor por, no odr, ns.  
 3890: crm-tan xln lm, pyrtzd, semi foss, no vis por, no odr, ns.  
 3900: mstly gry and maroon sh.  
 3910: tan pack stn w/ exclnt vuggy por, lots of shly lm, no odr, ns.  
 3920: mstly gry and maroon sh.  
 3930: incrs in green and purp sh, lght crm chrty nlm, no odr, ns.  
 3940: aa, no sig change.  
 3950: incrs in drty-gry chrt, lots of gry, maroon and green sh, lots of lght crm chrty lm, no odr, ns.  
 3960: aa, no sig change.  
 3970: incrs in clr and brwn chrt, lght tan grain stn lm, fair intr prtcl por, no odr, ns.  
 3980: mstly drk tan chlky lm, few lght crm chrty lm, no odr, ns.  
 3990: NO SAMPLE CAUGHT.  
 4000: crmsh/gry semi xln lm, poor por, no odr, ns.  
 4010: mostly crm sub-chlky lm, lm aa, no odr, ns.  
 4020: tan micrtic lm, poor-fair por, no odr, ns.  
 4030: aa, no sig change.  
 4040: lght gry inxln lm, frac por, no odr, ns.  
 4050: tan inxln lm, cemnt floded, poor-no por, no odr, ns.  
 4060: mstly crm-tan micrtic lm, lots of tan sub-chlky lm, no odr, ns.  
 4070: aa, incrs in maroon and gry sh.  
 4080: incrs in wht chl & crm sub-chlky lm.

TG C1-C5  
 1 10 100 1000





PUMP PRESSURE: 925+

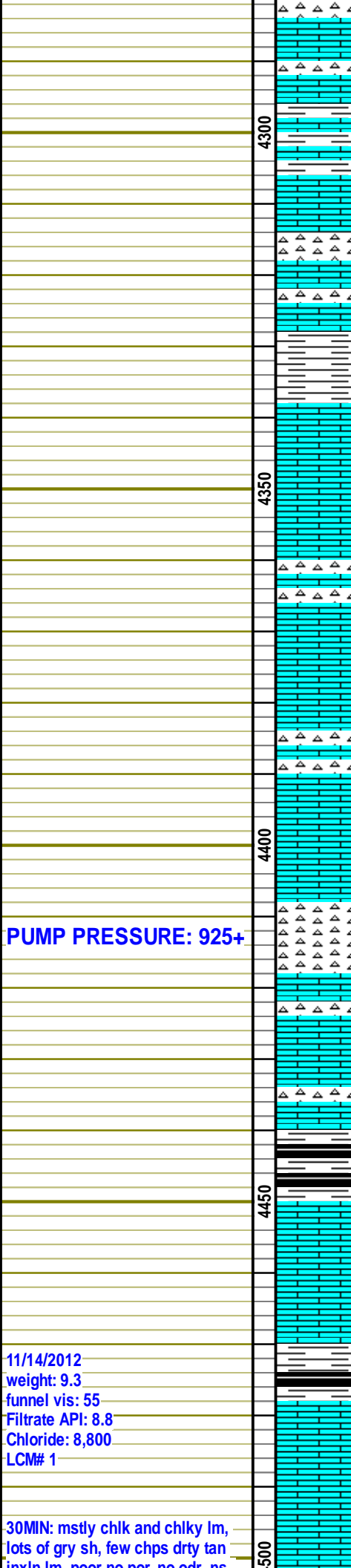
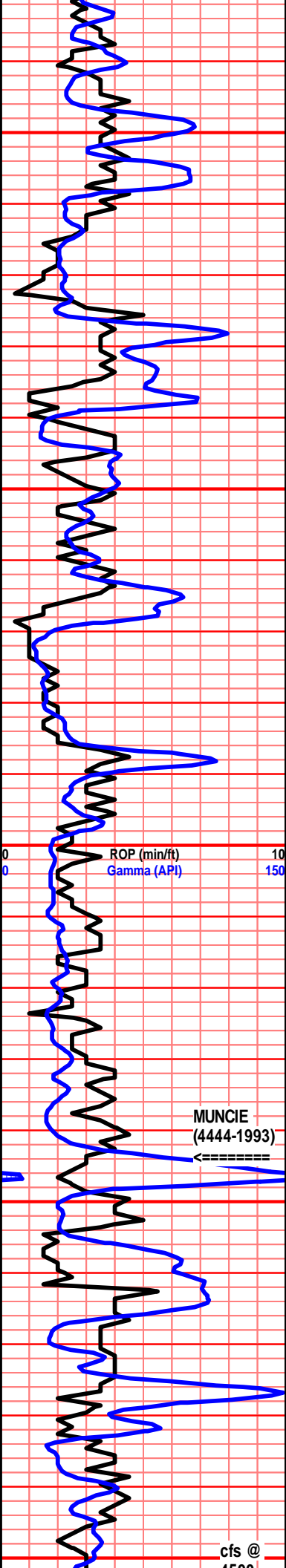
HEEBNER  
(4142-1691)

ROP (min/hr)  
Gamma (API)

PUMP PRESSURE: 850+

LANSING  
(4262-1811)

TG, C1-C5



4300: incrs in tan foss chrt, lotys of wht chlk.

4310: incrs in brwn chrt, tan-ght gry fn xln lm, semi dense, no vis por, no odr, ns.

4320: brwn-gry inxln lm, poor-no inxln por, incrs in chlk, no odr, ns.

4330: aa, greater incrs in chlk & chlky lm, incrs in brwnsh ool lm, cemnt flooded, no vis por, no odr, ns.

4340: lots of mlky & brwn foss chrt & chrty lm, no odr, ns.

4350: aa, crm inxln lm, poor por, no odr, ns.

4360: crm-brwn micrtic lm, poor-fair por, no odr, ns.

4370: aa, mstly lght crm sub-chlky lm, no odr, ns.

4380: crm-tan fn xln lm, v. dense, no vis por, incrs in gry & brwn chrt, no odr, ns.

4390: mstly chlk & chlky lm.

4400: aa, incrs in gry sh, incrs in gry inxln lm, poor por, no odr, ns.

4410: lots of wht/mlky chrt, tan fn xln lm, no vis por, no odr, ns.

4420: v. chlky sample, mstly chlk & chlky-lm.

4430: aa, lots of wht translucnt chrt, no odr, ns.

4440: mstly ch & chlky lm, lots of tan chrt, tan-gry inxln lm, dense, no vis por, no odr, ns.

4450: aa, decrease in chrt.

4460: incrs in green & gry sh, v. chlky sample.

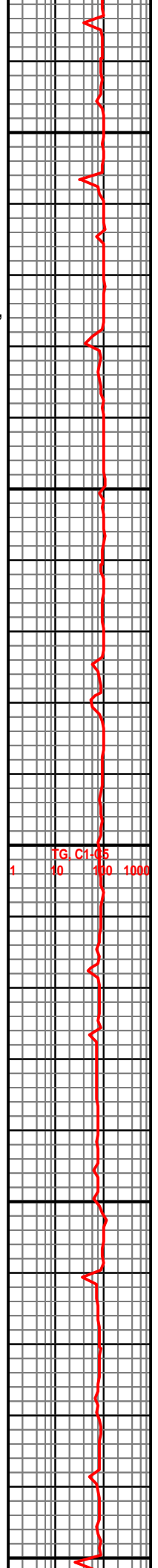
4470: shw of blk carb sh, lght crm inxln lm, foss, frac por, no odr, ns.

4480: incrs in mlky chrt, tan-gry highly pyrtzd lm, dense, hrd to brk, no odr, ns.

4490: lots of gry, green, purp & blk sh in sample, mstly tan inxln lm, semi foss, no odr, ns.

4500: aa, no sig change.

4510: lots chlky lm, tan-lght tan pack stn lm, poor-fair intr prtcl por, no odr, ns.

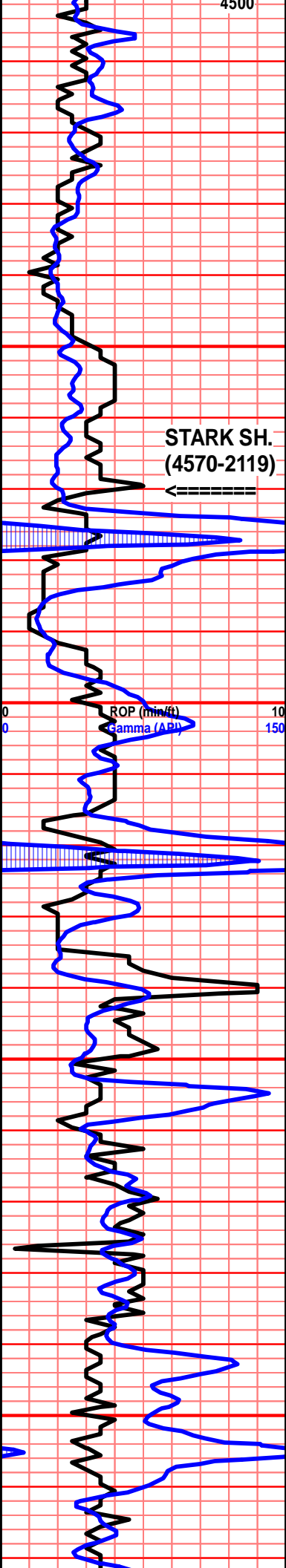


**PUMP PRESSURE: 925+**

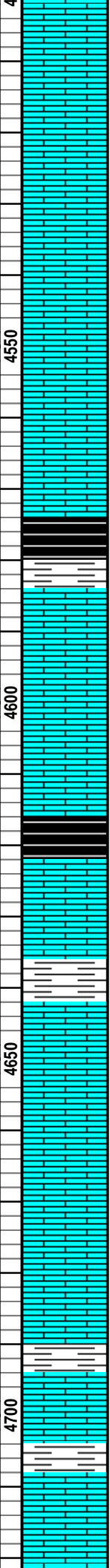
MUNCIE  
(4444-1993)

11/14/2012  
weight: 9.3  
funnel vis: 55  
Filtrate API: 8.8  
Chloride: 8,800  
LCM# 1

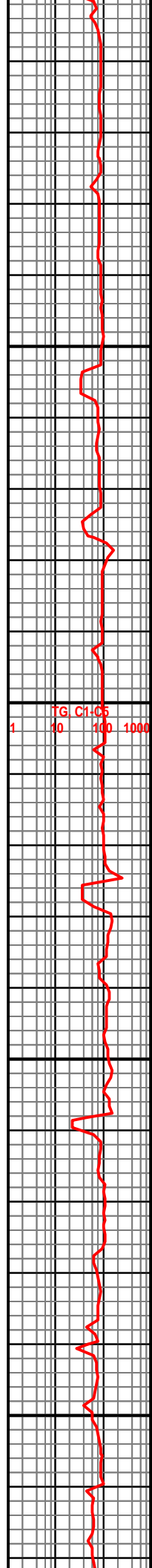
30MIN: mstly chlk and chlky lm,  
lots of gry sh, few chps drty tan  
inxln lm, poor no por, no odr, ns



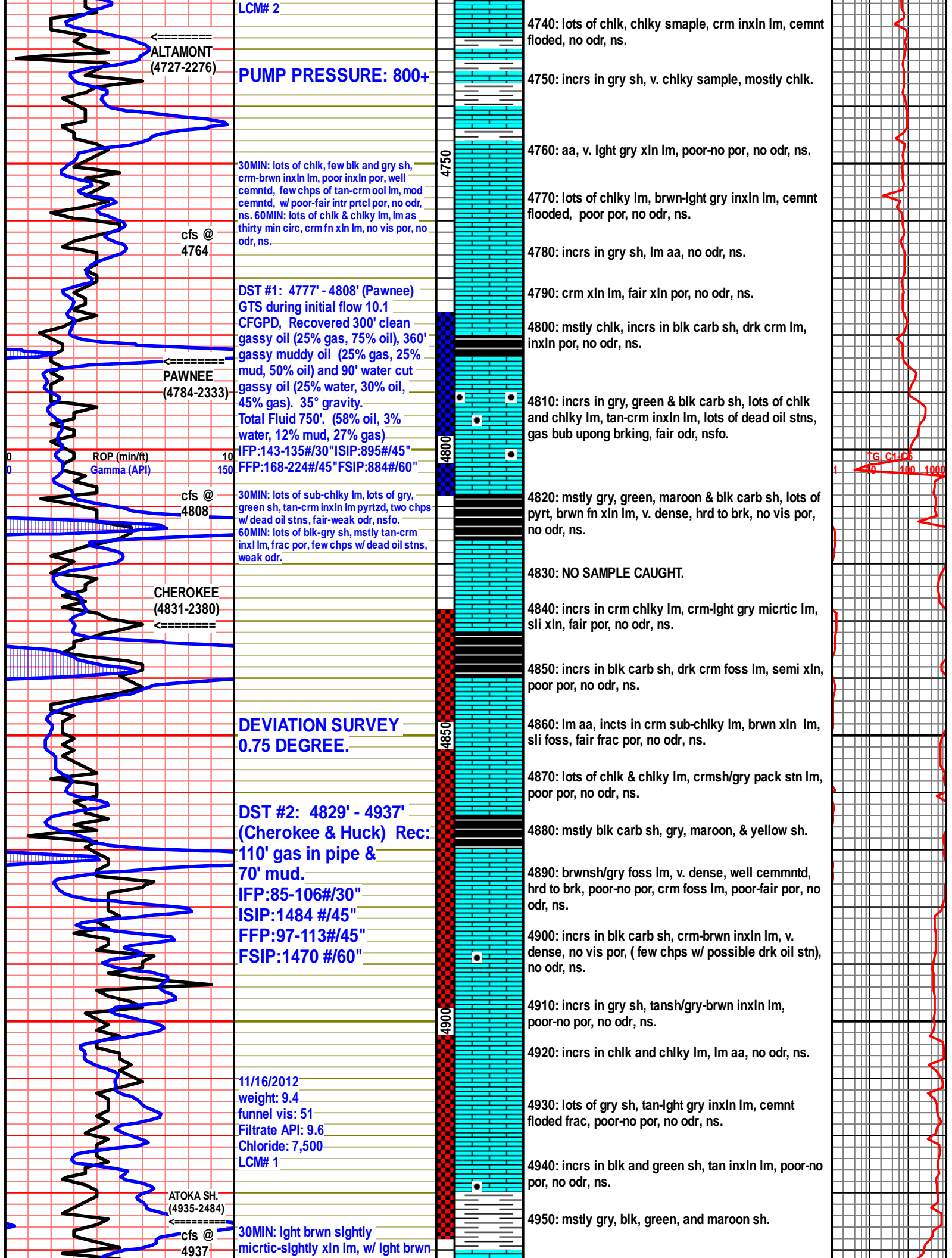
4500  
 inxln lm, poor-no por, no odr, ns.  
 60MIN: mstly chlk & chlky lm, lots gry sh, crm inxln lm, pyrtzd, no vis por, no odr, ns.

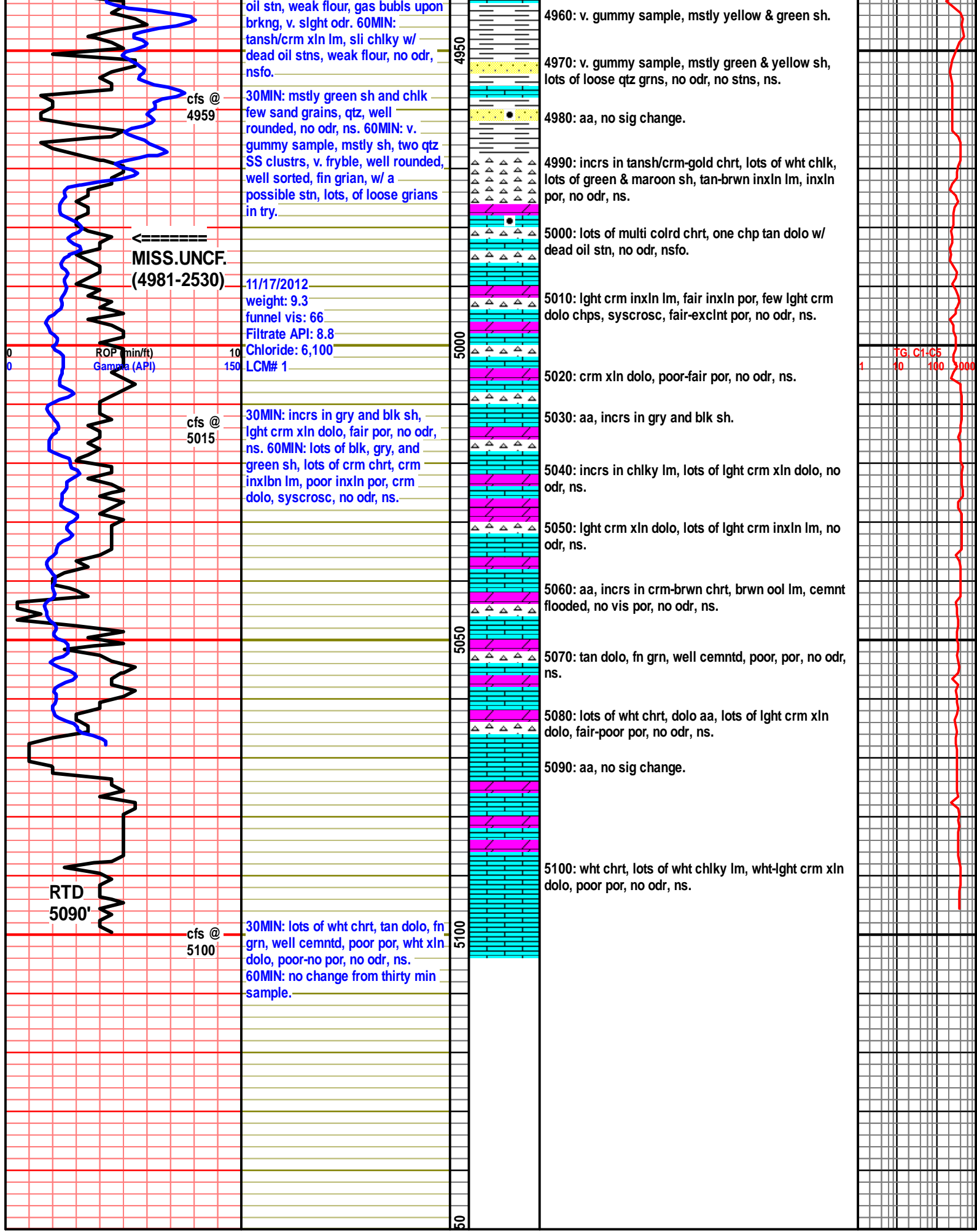


4520: crm-tan inxln lm w/ poor inxln por, no odr, ns.  
 4530: lght gry-grny cors xln lm, poor frac por, cemnt filled, no odr, ns.  
 4540: aa, incrs tan inxln lm, poor por, no odr, ns.  
 4550: incrs in gry, incrs in wht chlk, lm aa, no odr, ns.  
 4560: mstly wht chlk no sig change.  
 4570: tan cors xln lm, w/ lots of drk heavy minrl stns, no flour, no odr, ns.  
 4580: aa, incrs in chlk and chlky lm, slght incrs in gry sh.  
 4590: lots of blk carb sh.  
 4600: mstly gry, brwn and blk carb sh, tan-gry inxln lm, poor por, no odr, ns.  
 4610: lots of gry sh, tan-gry xln lm, poor xln por, no odr, ns.  
 4620: aa, incrs in mlky chrt.  
 4630: incrs in blk carb sh.  
 4640: brwn-gry inxln lm, sli foss, no vis por, no odr, ns.  
 4650: sig incse in mlky chrt, sli foss, lm aa, few lght crm pack stn, fair intr prtcl por, no odr, ns.  
 4660: mstly blk carb sh, lots of gry and maroon sh.  
 4670: aa, shw of drk blk chrt, crm-tan xln lm, sli foss, poor por, no odr, ns.  
 4680: incrs in wht chlk & crm chlky-lm, brwn inxln lm, semi dense, poor-no por, no odr, ns.  
 4690: mstly gry sh, few gry shly lm, dense, no vis por, no odr, ns.  
 4700: aa, crm-tan inxln lm, foss, poor-no por, no odr, ns.  
 4710: incrs in gry sh, lm aa, few gry inxln lm, poor inxln por, no odr, ns.  
 4720: aa, no sig change.  
 4730: mstly chlk and chlky lm, v. chlky smple, brwn inxln lm, poor frac por, no odr, ns.



11/15/2012  
 weight: 9.2  
 funnel vis: 51  
 Filtrate API: 8.0  
 Chloride: 5,700





oil stn, weak flour, gas bubls upon brkng, v. slight odr. 60MIN: tansh/crm xln lm, sli chiky w/ dead oil stns, weak flour, no odr, nsfo.

30MIN: mstly green sh and chlk few sand grains, qtz, well rounded, no odr, ns. 60MIN: v. gummy sample, mstly sh, two qtz SS clustrs, v. fryble, well rounded, well sorted, fin grian, w/ a possible stn, lots, of loose grians in try.

MISS.UNCF. (4981-2530)

11/17/2012 weight: 9.3 funnel vis: 66 Filtrate API: 8.8 Chloride: 6,100 LCM# 1

ROP (min/ft)  
Gamma (API)

cfs @ 5015

30MIN: incrs in gry and blk sh, lght crm xln dolo, fair por, no odr, ns. 60MIN: lots of blk, gry, and green sh, lots of crm chrt, crm inxln lm, poor inxln por, crm dolo, syscros, no odr, ns.

RTD 5090'

cfs @ 5100

30MIN: lots of wht chrt, tan dolo, fn grn, well cemntd, poor por, wht xln dolo, poor-no por, no odr, ns. 60MIN: no change from thirty min sample.

4960: v. gummy sample, mstly yellow & green sh.

4970: v. gummy sample, mstly green & yellow sh, lots of loose qtz grns, no odr, no stns, ns.

4980: aa, no sig change.

4990: incrs in tansh/crm-gold chrt, lots of wht chlk, lots of green & maroon sh, tan-brwn inxln lm, inxln por, no odr, ns.

5000: lots of multi colrd chrt, one chp tan dolo w/ dead oil stn, no odr, nsfo.

5010: lght crm inxln lm, fair inxln por, few lght crm dolo chps, syscros, fair-exclnt por, no odr, ns.

5020: crm xln dolo, poor-fair por, no odr, ns.

5030: aa, incrs in gry and blk sh.

5040: incrs in chiky lm, lots of lght crm xln dolo, no odr, ns.

5050: lght crm xln dolo, lots of lght crm inxln lm, no odr, ns.

5060: aa, incrs in crm-brwn chrt, brwn ool lm, cemnt flooded, no vis por, no odr, ns.

5070: tan dolo, fn grn, well cemntd, poor, por, no odr, ns.

5080: lots of wht chrt, dolo aa, lots of lght crm xln dolo, fair-poor por, no odr, ns.

5090: aa, no sig change.

5100: wht chrt, lots of wht chiky lm, wht-lght crm xln dolo, poor por, no odr, ns.

TG, C1-C5



**#2 Potosi**  
 1662' FNL & 335' FWL  
 12' S & 5' E of NW SW NW  
 Section 13-27S-24W  
 Ford County, Kansas  
 API# 15-057-20856-0000  
 Elevation: 2440' GL; 2451' KB

Sample Tops			Ref. Well
Anhydrite	1477'	+974	-16
B/Anhydrite	1520'	+931	-19
Stotler	3484'	-1033	-11
Heebner	4142'	-1691	-7
Lansing	4258'	-1807	-1
Muncie Shale	4444'	-1993	-5
Stark Shale	4570'	-2119	-2
Hush	4615'	-2164	-2
BKC	4649'	-2198	-2
Marmaton	4706'	-2255	-4
Altamont	4727'	-2276	-4
Pawnee	4784'	-2333	-1
Cherokee Shale	4831'	-2380	Flat
Huck	4918'	-2467	+1
Atoka	4935'	-2484	-4
Mississippian	4981'	-2530	-4
RTD	5100'	-2649	





**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 39175

LOCATION Oakley, KS

FOREMAN Kelly Baker  
Walt Dinkel

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

**FIELD TICKET & TREATMENT REPORT**

**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
11-27-12	9173	Pozosi #2	13	275	244	Ford	
CUSTOMER		MAILING ADDRESS		TRUCK #	DRIVER	TRUCK #	DRIVER
Ritchie Exp		Jct 283 & 50		399	Tim W		
CITY		STATE	ZIP CODE	530	MIKE M		

JOB TYPE Post collar HOLE SIZE \_\_\_\_\_ HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT 5 1/2 15.5 #  
 CASING DEPTH 5086 DRILL PIPE \_\_\_\_\_ TUBING 2 7/8 OTHER PCO 1433  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 7661 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: safety meeting, rigged up on well, tested tool to 1000 #; held, open tool mixed 275 sks 69# opm, 6% lal, 44# Flo Seal w/ 500# Hulls, Displace 7 1/2 BBL H<sub>2</sub>O, shut tool + test to 1000# held ran 5 Jts, circ clean

Cement Did Circ.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5407B	1	PUMP CHARGE	1695 <sup>00</sup>	1695 <sup>00</sup>
5406	60 mi	MILEAGE	5 <sup>00</sup>	300 <sup>00</sup>
1131	275 SK	60/40 Poz	15 <sup>10</sup>	4,152 <sup>50</sup>
1118B	1422 #	Bentonite	.25	355 <sup>50</sup>
1107	69 #	Flo-seal	2.82	194.58
5407A	11.83	Ten mileage	16 <sup>1</sup>	1,185 <sup>60</sup>
1103	500 #	cotton seed hulls	55	275 <sup>00</sup>
1111	100 #	salt		
				8158 <sup>13</sup>
		Less 10% Disc		815 <sup>82</sup>
				7342 <sup>36</sup>
		SALES TAX		356.14
		ESTIMATED TOTAL		7698.50

Revin 3737

AUTHORIZATION Guy W Rowe

TITLE \_\_\_\_\_

DATE 11-27-12

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.

254898





**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 39123  
LOCATION Oakley, KS  
FOREMAN Kelly Gabe  
Walt Dinkel

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

**FIELD TICKET & TREATMENT REPORT**

**CEMENT**

DATE	CUSTOMER#	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-18-12	7173	Potosi #2	13	275	24 <sup>W</sup>	Ford
CUSTOMER			Jermole 8 to 283+50 JCT 10 S E into			
MAILING ADDRESS			TRUCK#	DRIVER	TRUCK#	DRIVER
CITY			399	Jelly P		
STATE			460	Tim W		
ZIP CODE						

JOB TYPE Prod HOLE SIZE 7 1/8 HOLE DEPTH 5139 CASING SIZE & WEIGHT 5 1/2 15.5 #  
 CASING DEPTH 5086 DRILL PIPE \_\_\_\_\_ TUBING PC TOP #87 OTHER PC @ 1433  
 SLURRY WEIGHT 13<sup>8</sup> SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT In CASING 21.08 (shoe)  
 DISPLACEMENT 120 1/2 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 6 bbl/min

REMARKS: Safety meeting, ran float equipment and # centralizers 1, 3, 5, 9, 86, 88, 98, baskets b, 87, 98 PC top #87, ran pipe to bottom & circulated for 1 hr, pumped 5 bbl water, mud flush, 5 bbl water mixed 30 sks RH 20 sks MH, mixed 175 sks w/5# Kal-seal 1/4 of 1% CDI-26, w/deformer, washed out pumps & lines, released plug & displaced with 119 1/2 bbl water with lift pressure @ 738 # plug landed @ 1200 #, released pressure float hold, washed pumps & lines, rigged down.

*Thank you Kelly & crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3020 <sup>00</sup>	3020 <sup>00</sup>
5406	60 mi	MILEAGE	5 <sup>00</sup>	300 <sup>00</sup>
1126	22.5 sks	OWC	22 <sup>55</sup>	5073 <sup>75</sup>
110A	1125 #	Kal-seal	156	630 <sup>00</sup>
1137	53 #	CDI-26	962	513 <sup>57</sup>
1146	32 #	CAF-38	923	311 <sup>04</sup>
5407A	10.6 ton	Ton Mileage delivery	107	1062 <sup>60</sup>
11446	500 gal	Mud flush	1 <sup>00</sup>	500 <sup>00</sup>
4203	1	5 1/2 Guide shoe (w)	193 <sup>00</sup>	193 <sup>00</sup>
4228B	1	5 1/2 AFU insert (w)	206 <sup>00</sup>	206 <sup>00</sup>
4136	7	5 1/2 turbolizer (w)	72 <sup>00</sup>	504 <sup>00</sup>
4104	3	5 1/2 basket (w)	276 <sup>00</sup>	828 <sup>00</sup>
4285	1	5 1/2 part collar (T)	2075 <sup>00</sup>	2075 <sup>00</sup>
				15,216 <sup>96</sup>
		Loss 1000 disc		1,521 <sup>70</sup>
				13,695 <sup>26</sup>
		SALES TAX		775.21
		ESTIMATED TOTAL		14470.47

Ravin 3737

0130 PM

AUTHORIZATION

*[Signature]*

TITLE PRODUCTION SUPERVISOR

DATE 11-18-12

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.

*[Signature]* 254885



Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

February 22, 2013

John Niernberger  
Ritchie Exploration, Inc.  
8100 E 22ND ST N # 700  
BOX 783188  
WICHITA, KS 67278-3188

Re: ACO1  
API 15-057-20856-00-00  
Potosi 2  
NW/4 Sec.13-27S-24W  
Ford County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
John Niernberger