



KANSAS CORPORATION COMMISSION 1197848
OIL & GAS CONSERVATION DIVISION

Form must be Typed
Form must be Signed
All blanks must be Filled

Confidentiality Requested:

Yes No

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:

Grid of checkboxes for completion types: 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:

Grid of checkboxes for completion operations: Deepening, Re-perf., Conv. to ENHR, Conv. to SWD, Plug Back, Conv. to GSW, Conv. to Producer, Commingled, Dual Completion, SWD, ENHR, GSW, with Permit # fields.

Spud Date or Recompletion Date Date Reached TD Completion Date or 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

Grid of checkboxes for office use: Confidentiality Requested, Confidential Release Date, Wireline Log Received, Geologist Report Received, UIC Distribution, ALT I II III Approved by: Date:



1197848

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 <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Summary of Changes

Lease Name and Number: Blew 1
 API/Permit #: 15-057-20902-00-00
 Doc ID: 1197848
 Correction Number: 1
 Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	10/31/2013	04/07/2014
Date of First or Resumed Production or SWD or Enhr		03/26/2014
Disposition Of Gas - Sold	No	Yes
Fracturing Question 1		No
LocationInfoLink	https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=11&t	https://kolar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=11&t
Method Of Completion - Perf	No	Yes
Perf_Record_3	****Waiting for gas market****	
Producing Method Flowing	No	Yes
Production - MCF Gas		627
Save Link	../kcc/detail/operatorEditDetail.cfm?docID=1166198	../kcc/detail/operatorEditDetail.cfm?docID=1197848



CONFIDENTIAL

WELL COMPLETION FORM

Form Must Be Typed
Form must be Signed
All blanks must be Filled

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

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

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <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

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>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Ritchie Exploration, Inc.
Well Name	Blew 1
Doc ID	1166198

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	5064' - 5071' (09/11/2013)		
	****Waiting for gas market****		

Adam Eldani Geo-Log/Report

WellSight Systems

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

Measured Depth Log

Well Name: #1BLEW

Location: SEC 11-TOWNSHIP 28S- RANGE 23W FORD COUNTY

License Number: API 15-057-20902

Region: KANSAS

Spud Date: 7/05/2013

Drilling Completed: 7/16/2013

Surface Coordinates: 1700' FNL & 985' FWL

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

Coordinates:

Ground Elevation (ft): 2430'

K.B. Elevation (ft): 2430'

Logged Interval (ft): 3400 To: 5210

Total Depth (ft): 5210

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 VAL ENERGY RIG# 1)

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: 1440'+1000	Anhydrite: 1438'+1002
B/Anhydrite: 1470'+970	B/Anhydrite: 1468'+972
Stotler: 3546'-1106	Stotler: 3546'-1106
Heebner: 4215'-1775	Heebner: 4215'-1775
Lansing: 43859'-1919	Lansing: 4359'-1919
Muncie Sh: 4548'-2108	Muncie Sh: 4548'-2108
Stark Sh: 4698'-2258	Stark Sh: 4695'-2255
Hush Sh: 4743'-2303	Hush Shale: 4740'-2300
BKC: 4773'-2333	BKC: 4768'-2328
Marmaton: 4830'-2390	Marmaton: 4831'-2391
Altamont: 4860'-2420	Altamont: 4860'-2420
Pawnee: 4903'-2463	Pawnee: 4901'-2461
Cherokee Sh: 4951'-2511	Cherokee Sh: 4947'-2507
Huck: 5032'-2592	Huck: 5032'-2592
Atoka: 5045'-2605	Atoka: 5043'-2603
Morrow: 5061'-2621	Morrow: 5046'-2606
Miss: 5087'-2647	Miss: 5083'-2643
RTD: 5210'-2770	LTD: 5210'-2770

DAILY DRILLING REPORT:

DATE DEPTH:

7/05 364'
7/06 750'
7/07 2470'
7/08 3210'
7/09 3845'
7/10 4510'
7/11 4900'
7/12 4918'
7/13 4980'
7/14 5053'
7/15 5082'
7/16 5210'

Misc.

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

RIG: VAL ENERGY, INC. #1
TOOL PUSHER: RICK SMITH
MUD: MUD CO. (JUSTIN WHITING)
GAS DETECTOR: MBC

DRILL STEM TEST'S: SUPERIOR TESTERS INC.

LOGS: NABORS (JASON CAPPELLUCCI)

OFFICE: PETER FIORINI

Comments

Moved in and rigged up. Spud at 7:00 a.m. Ran 8 jts new 23# 8-5/8" surface casing. Tally at 351.08', set at 364'. Cemented with 250 sacks common, 2% gel, 3% cc. Cement circulated. Plug down at 3:15 p.m. Drilled out plug at 11:15 p.m.

AFTER THE RESULTS OF SAMPLE LOGGING, ELECTRIC LOGGING, AND ALL DST TESTS ANALYSIS & CALCULATIONS; IT WAS DECIDED TO RUN 5 1/2 INCH PRODUCTION CASING TO FURTHER TEST THE #1 BLEW FOR GAS & OIL COMMERCIAL QUANTITIES.

Ran 5 1/2" 15.5# new production casing, set at 5207'. Port collar at 1388'. Insert at 5186'. Pumped 500 gallons mud flush. Cemented casing with 250 sacks OWC + 10% Salt + 2% Gel + 0.25% CDI-26 + 5# per sack KolSeal. Plug down at 12:30 p.m. Plugged rat hole with 30 sacks, and mouse hole with 20 sacks.


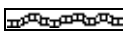
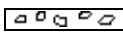


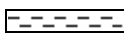







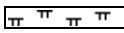
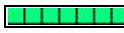
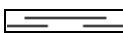
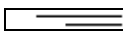
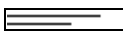



Well Log Surveys BY: NABORS. Compensated Denisty/ Neutron Log, Dual Induction.

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
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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  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackst
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OTHER SYMBOLS

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

Vuggy

- SORTING**
- Well
 - Moderate
 - Poor

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

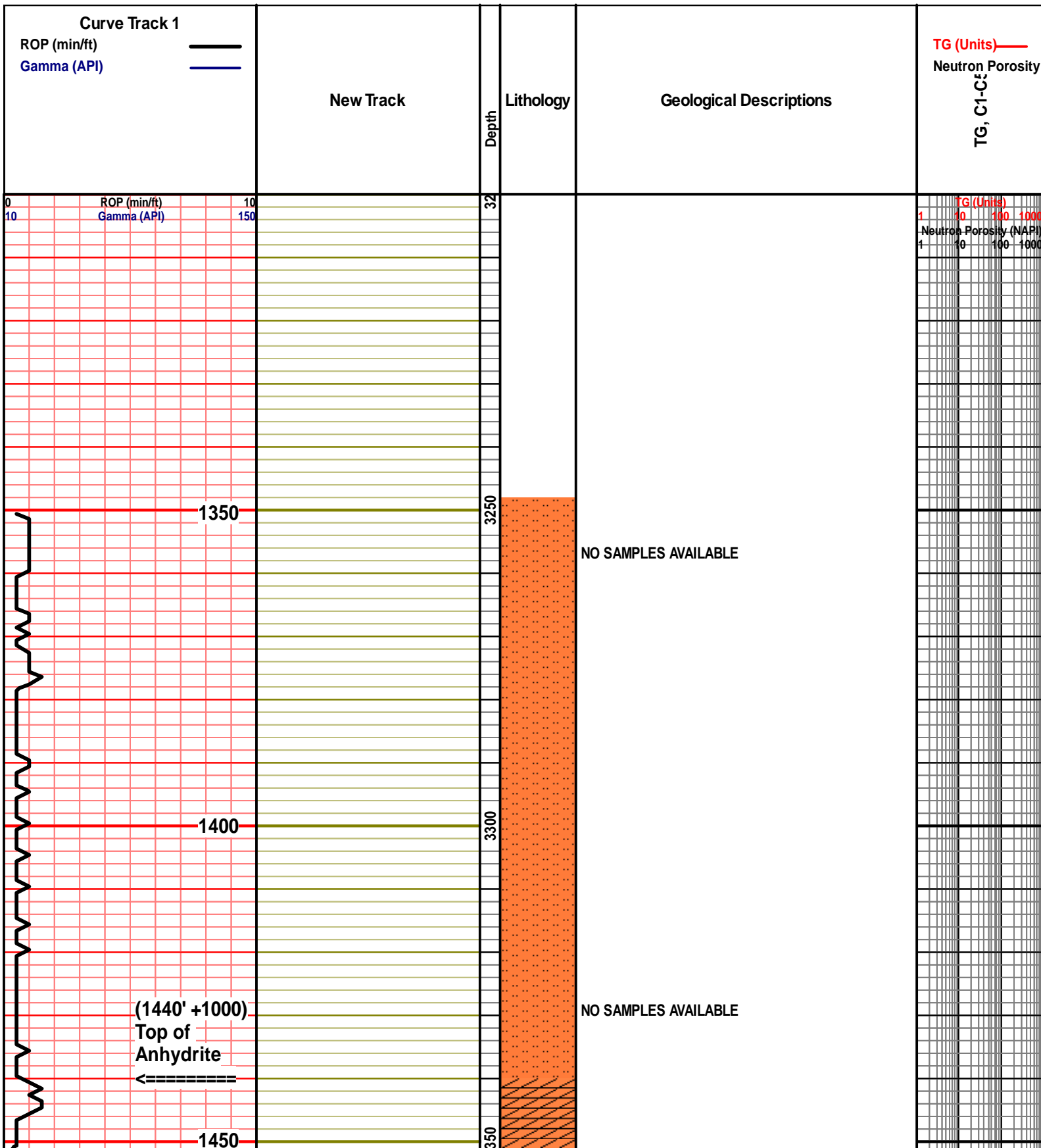
OIL SHOW
 aiming_1

- Even
- Spotted
- Ques
- Dead

- INTERVAL**
- Core
 - Dst

- Dst_alt
- Dst

- EVENT**
- Rft
 - Sidewall



e-log Anhy Tops:
Anhy: 1438'+1002 // B/Anhy 1468'+972

(1470'+970)
B/ Anhydrite



ROP (min/ft) 1500
Gamma (API) 150

1550

Stotler
(3546'-1106)

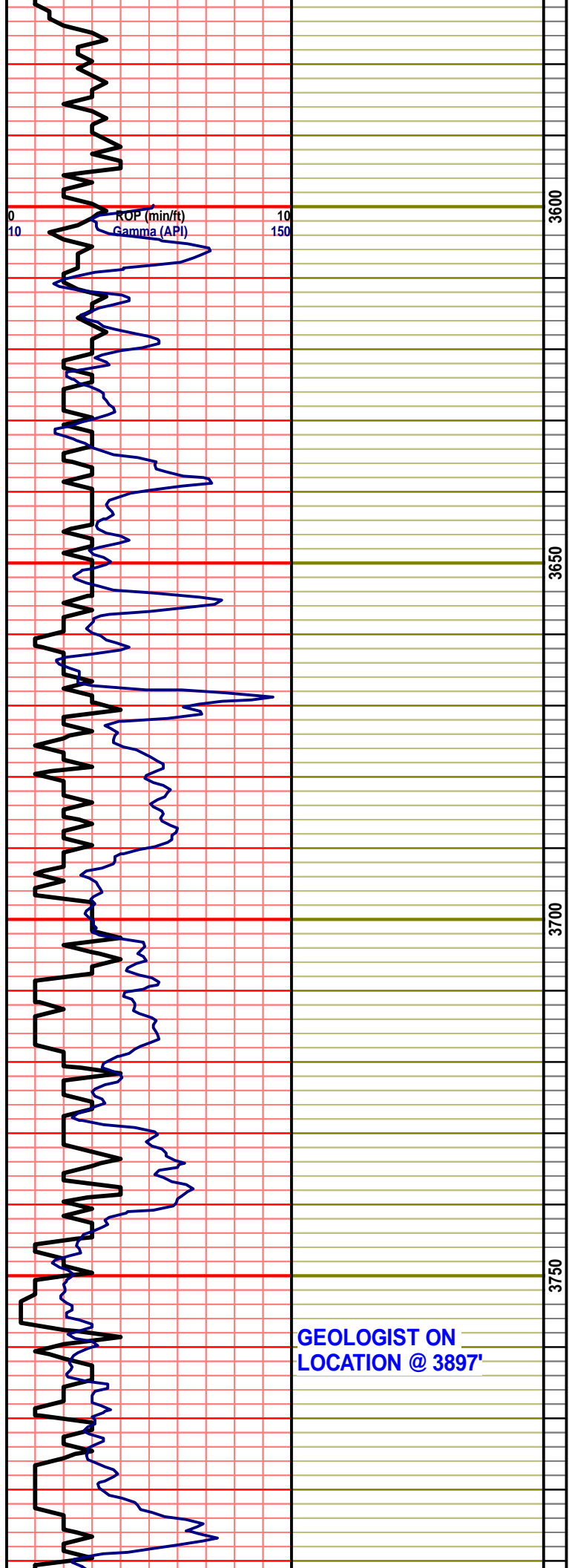


3
3400
3450
3500
3550

NO SAMPLES AVAILABLE

NO SAMPLES AVAILABLE

1 10 100 1000
Neutron Porosity (NAPI)
1 10 100 1000



ROP (min/ft)
Gamma (API)

3600
3650
3700
3750

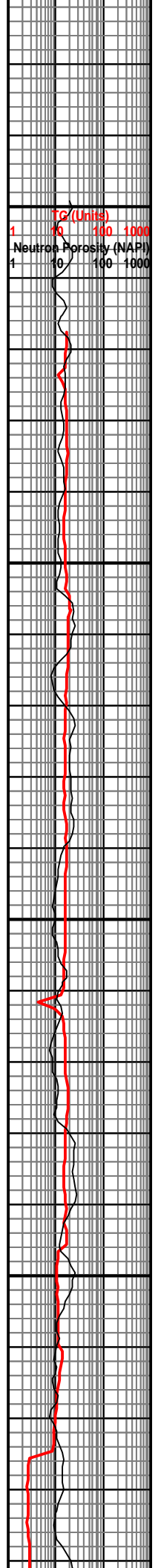
GEOLOGIST ON
LOCATION @ 3897'

NO SAMPLES AVAILABLE

NO SAMPLES AVAILABLE

NO SAMPLES AVAILABLE

NO SAMPLES AVAILABLE



Gamma (Units)
Neutron Porosity (NAPI)

1
1

10 100 1000
10 100 1000

3600
3650
3700
3750

GEOLOGIST ON
LOCATION @ 3897'

NO SAMPLES AVAILABLE

NO SAMPLES AVAILABLE

NO SAMPLES AVAILABLE

NO SAMPLES AVAILABLE

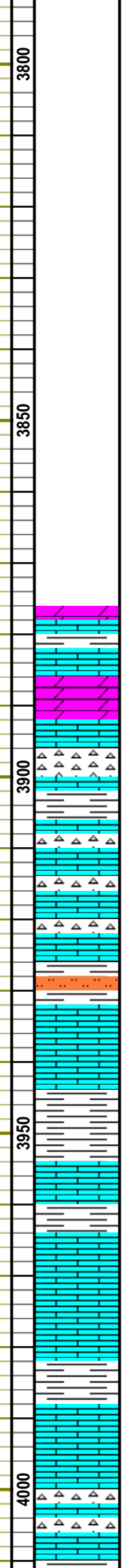


MUD DISPLACEMENT @
3822

PUMP PRESSURE 950+

7/09/2013
mud info.
wt: 9.0
Funnel Vis. 46
Filtrate API: 10.4
Chloride 6,400
LCM # 0

PUMP PRESSURE 950+



NO SAMPLES AVAILABLE

3900: mstly gry and maroon sh, few buff dolo, crm fn xln lm, poor por, no odr, ns.

3910: aa, no sig change.

3920: mstly gry & maroon sh, incrs on tan foos lm, fair por, incrs in crm chrty lm, no odr, ns.

3930: aa, incrs in crm chrty lm, incrs in crm fn xln lm, no vis por, no odr, ns.

3940: incrs in chrt nod, mstly fn xln crm lm, incrs in lght crm chlky lm, no odr, ns.

3950: aa, incrs in green sh & gry slit stn.

3960: aa, no sig change.

3970: mstly crm inxln lm, poor inxln por, lots of gry slit stn, no odr, ns.

3980: incrs in drk gry sh, mstly crm inxln lm, poor inxln por, no odr, ns.

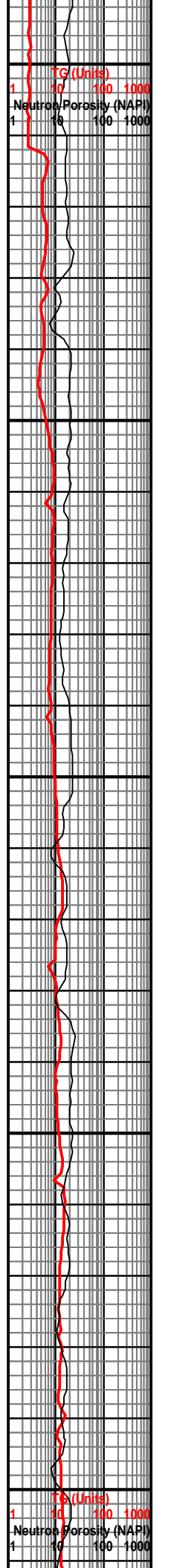
3990: incrs in maroon sh & red paleo-sols, mstly crm inxl lm, poor inxln por, no odr, ns.

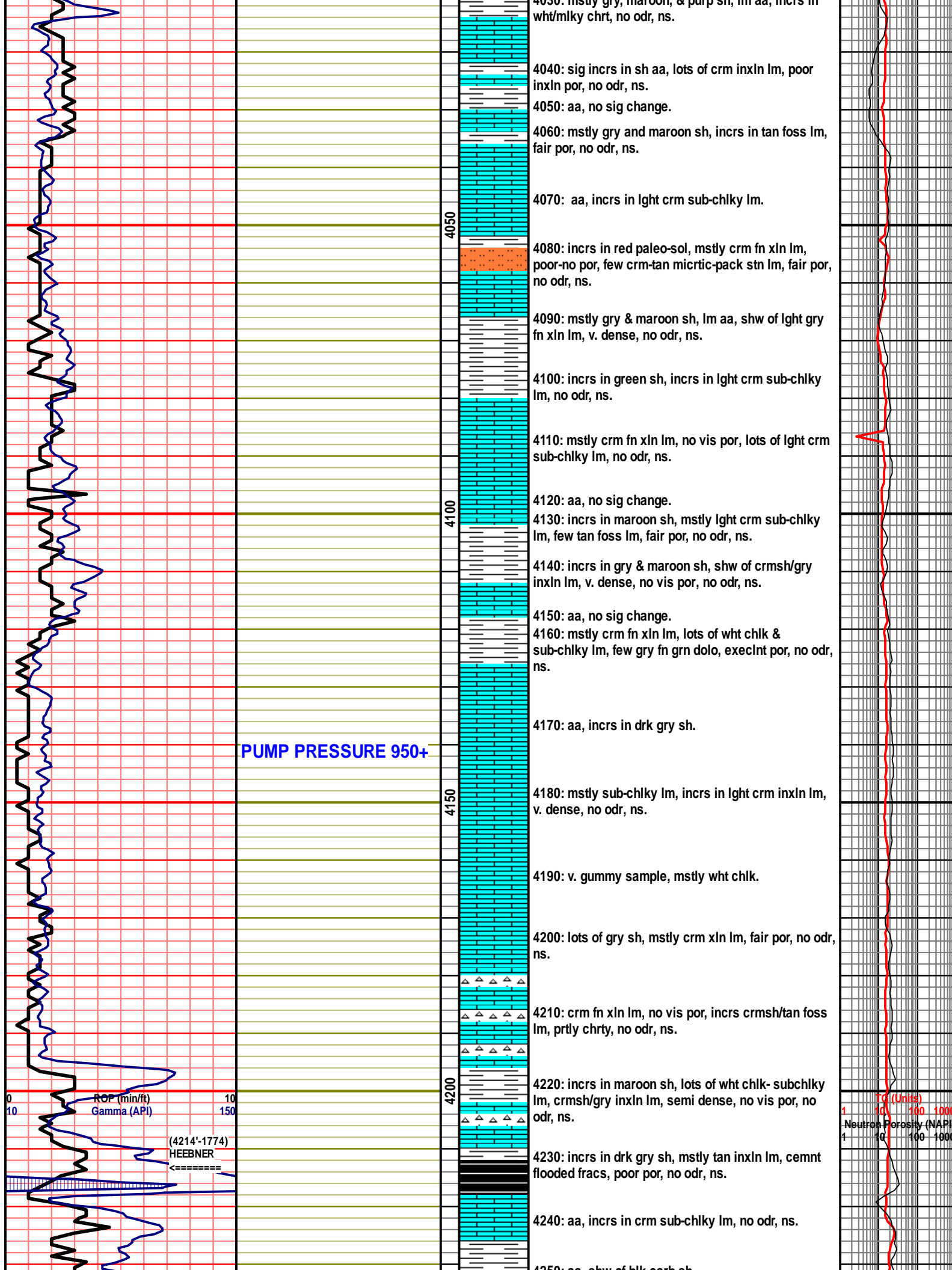
4000: aa, incrs in lght crm sub-chlky lm, no odr, ns.

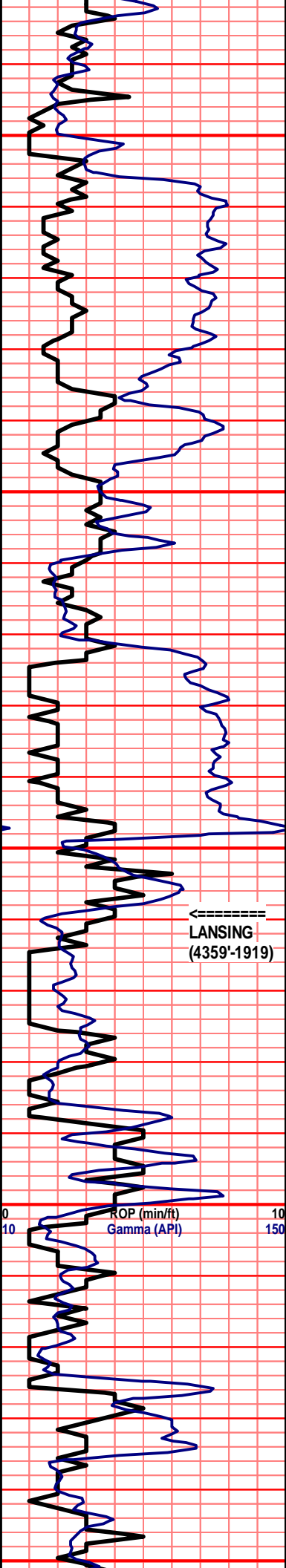
4010: mstly gry, maroon & purp sh, crm inxln lm, poor inxln por, incrs in foss chrty lm, no odr, ns.

4020: aa, incrs in crm fn xln lm, poor-no por, no odr, ns.

4030: mstly gry, maroon & purp sh, lm aa, incrs in



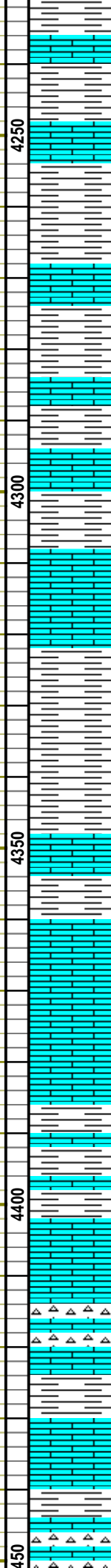




←-----
LANSING
(4359-1919)

PUMP PRESSURE 950+

7/10/2013
mud info.
wt: 9.2
Funnel Vis. 52



4230: aa, shw of blk carb sh.

4260: incrs in blk carb sh, mstly crm sub-chlky lm, tan pack stn lm, prtly xln, poor-fair por, no odr, ns.

4270: incrs in green and gry sh, mstly sub-chlky lm, shw of lght gry inxln lm, dense, sli foss, no odr, ns.

4280: v. gummy smple, tan inxln lm, cemnt flooded fracs, no odr, ns.

4290: mstly wht chlk, incrs in gry sh, tan-brwn xln lm, foss, no vis por, no odr, ns.

4300: aa, no sig change.

4310: mstly tan pack stn lm, sli foss, xln in prt, no odr, ns.

4320: incrs in gry sh, mstly tan xln lm, poor por, no odr, ns.

4330: mstly maroon sh, crm-tan xln lm, cemnt flooded, no odr, ns.

4340: NO SAMPLE CAUGHT.

4350: mstly maroon & gry sh, crm-lght tan inxln lm, sli chrty, no vis por, no odr, ns.

4360: aa, incrs in gry inxln lm, no vis por, no odr, ns.

4370: mstly tan-lght brwn inxln lm, v. dense, no vis por, incrs in drk crm sub-chlky lm, no odr, ns.

4380: incrs in gry sh, mstly chlky gummy clusters, lm aa.

4390: aa, incrs in tan-brwn inxln lm, cemnt flooded, fracs, no vis por, no odr, ns.

4400: aa, incrs in gry & maroon sh, lots of chlky lm, no odr, ns.

4410: crm-gry inxln lm, dense, no vis por, no odr, ns.

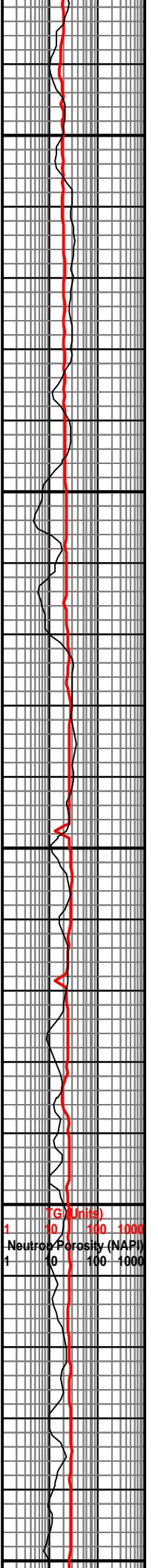
4420: aa, incrs in gry sh, incrs in wht chlk & sub-chlky lm, no odr, ns.

4430: lght crm- crm inxln lm, poor por, cemnt flooded, no odr, ns.

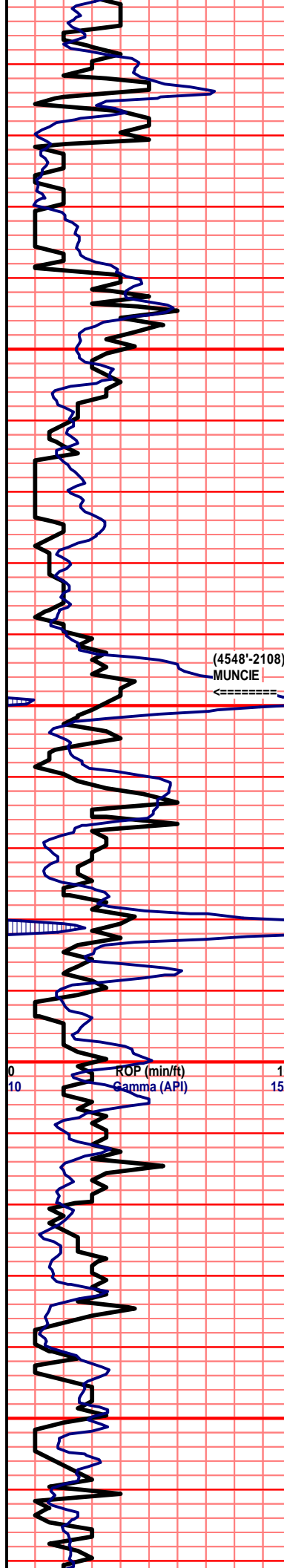
4440: incrs in wht chlk, lm aa, few foss chrty/lm chps, no vis por, few clusters drk tan dolo/lm, well cemntd, fair por.

4450: mstly crm xln lm, v. dense, hrd to brk, no odr, ns.

4460: incrs in gry sh, lm aa, few gry chrt chps, no odr, ns.



Filtrate API: 13.2
Chloride 8,000
LCM # 0



PUMP PRESSURE 950+

PUMP PRESSURE 950+



4470: incrs in wht-gry chrt, mstly brwn-gry inxln lm, dense, no vis por, no odr, ns.

4480: crm-gry xln lm, cemnt flooded, poor-no por, incrs in chlk, no odr, ns.

4490: aa, crm-tan chrt lm, no vis por, incrs in drk gry sh, no odr, ns.

4500: tan-crm inxln lm, v. dense, no vis por, incrs in gry chrt, few blk carb sh.

4510: incrs in gry inxln lm, v. dense, no vis por, incrs in wht chrt, sli foss, no odr, ns.

4520: mstly wht chrt, crm micrtic lm, v. well cemntd, hrd to brk, no vis por, no odr, ns.

4530: aa, slight incrs in drk green sh & wht chlk, no odr, ns.

4540: shw of blk carb sh, lots of wht chrt, sli foss, crm-brwn inxln lm, dense, no vis por, no odr, ns.

4550: incrs in drk gry slty sh, mstlytan-brwn inxln lm, cemnt flooded, no odr, ns.

4560: aa, decrse in sh, incrs in wht chlk/ sub-chlky lm, no odr, ns.

4570: tan fn xln lm, dense, no vis por, incrs in gry chert, no odr, ns.

4580: mstly tansh gry inxln lm, poor-no inxln por, incrs in drty wht chrt, no odr, ns.

4590: aa, incrs in crmsh/tan sub-chlky lm, no odr, ns.

4600: crm-tansh/gry inxln lm, dense, no vis por, few chlky lm, dense, no odr, ns.

4610: aa, incrs in lght crm fn xln lm, dense, no vis por, incrs in gry sh.

4620: sig incrs in gry & maroon sh, mstly lght crm-gry inxln lm, dense, poor-no por, no odr, ns.

4630: aa, incrs in gry-brwn pack-grain stn lm, well cemntd, poor por, no odr, ns.

4640: incrs in green sh, incrs in tan chrt lm, no vis por, no odr, ns.

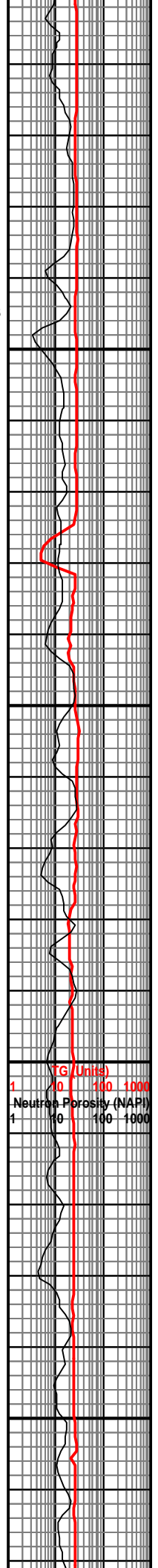
4650: mstly gry inxln lm, incrs in wht chrt, no odr, ns.

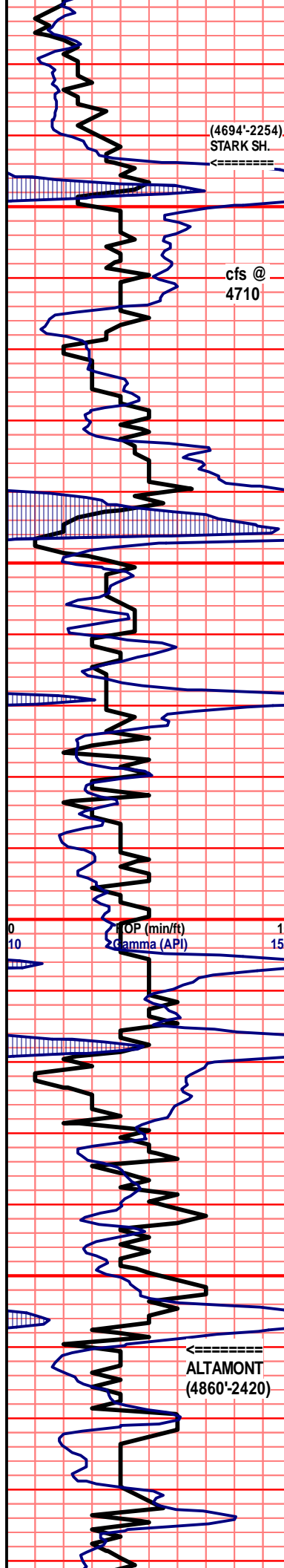
4660: lots of drk gry sh, mstly tan inxln lm, sense, few tan foss lm, well cemntd, no odr, ns.

4670: sig incrs in brwnsh/gry inxln lm, s. foss, poor inxn por, no odr, ns.

4680: aa, incrs in brwn chrt lm, no odr, ns.

4690: mstly greenish/gry sh, incrs in tan pack stn lm





(4694'-2254)
STARK SH.

cfs @
4710

30MIN: shw of blk carb sh, mstly chlky lm, few tan-crm inxln lm, dense, no vis por, few chps of tan ool cast lm, execlnt por, no odr, ns. 60MIN: tan xln lm, v. dense, few ool cast chps, lots of gry sh, few blk carb sh, no odr, ns.

7/11/2013
mud info.
wt: 9.15
Funnel Vis. 47
Filtrate API: 12.8
Chloride 7,900
LCM # 2

PUMP PRESSURE 950+

7/012/2013
mud info.
wt: 9.05
Funnel Vis. 50
Filtrate API: 12.0
Chloride 10,800
LCM # 2

7/13/2013
mud info.
wt: 9.0
Funnel Vis. 83
Filtrate API: 11.6
Chloride 11,400
LCM # 2

Sure Shot: Straight
Hole Survey: 3/4 degree.

ALTAMONT
(4860'-2420)

DST #1: 4891' - 4918'
(Pawnee) Recovered
1260' slightly mud and
gas cut water with trace
of oil (2% gas, 3% mud,
95% water). Chlorides



4690: mstly greenish/gry sh, incrs in tan pack sur lm, fn-med grn, poor por, no odr, ns.

4700: aa, incrs in maroon sh, sig incrs in chlk & chlky lm, no odr, ns.

4710: aa, tan ool lm, poor-fair por intr prtcl por, no odr, ns.

4720: incrs in blk sh, mstly brwn-gry inxln lm, dense, sli foss, no odr, ns.

4730: incrs in gry sh, tan ool lm, cemnt flooded, no vis por, incrs in wht chlky lm, no odr, ns.

4740: aa, no sig change.

4750: mstly tan inxln lm, poor inxln por, lots loose pyrt, no odr, ns.

4760: incrs in carb blk sh, incrs in mlky chrt, tan pack stn lm, cemnt flooded, poor por, no odr, ns.

4770: lots blk carb sh, mstly gry inxln lm, foss, poor-no inxln por, no odr, ns.

4780: mstly gry & blk carb sh, incrs in wht chlk & chlky lm, tan xln lm, no vis por, no odr, ns.

4790: mstly drk gry sh, tan-drk crm inxln lm, dense, no vis por, no odr, ns.

4800: lm aa, incrs in blk carb sh, lots of drk gry foss, vhr, no odr, ns.

4810: gry-tan xln lm, sli chrt, lots of gry chrt, foss, no vis por, no odr, ns.

4820: aa, incrs in gry & blk carb sh, incrs in drk tan xln lm, fn xln in prt, no odr, ns.

4830: gry foss lm, xln in prt, poor por, no odr, ns.

4840: incrs in gry sh, mstly crm inxln lm, dense, no odr, ns.

4850: aa, sli incrs in cm chlky lm, gry micrtic lm, well cemntd, poor por, no odr, ns.

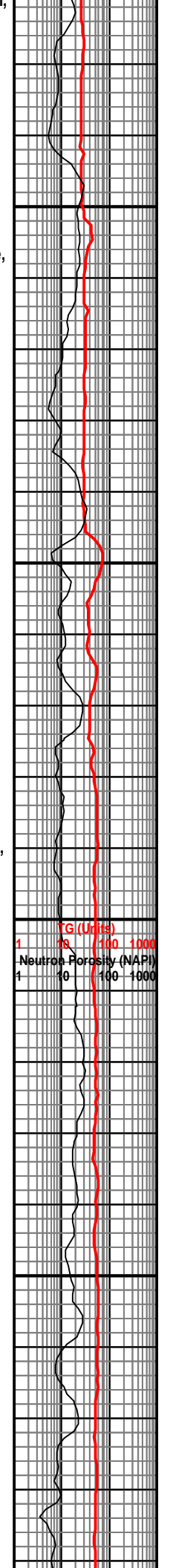
4860: aa incrs in gry sh, few red paleo sols.

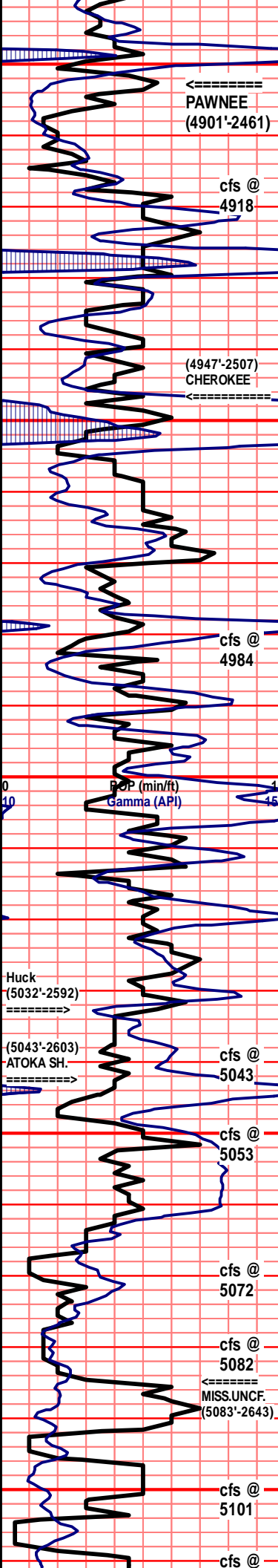
4870: incrs in crm chlk, lots of gry sh, shw of lght crm fn xln lm, dense, no odr, ns.

4880: incrs in green and blk carb sh, crm xln lm aa, gry micrtic lm, well cemntd, sli xln, no odr, ns.

4890: mstly gry, green and blk sh, few gry-blk foss chrt, gry inxln lm, poor inxln por, no odr, ns.

4900: mstly lght crm inxln lm, poor por, no odr, ns.





200,000

IFP:109-362#/30"

ISIP:1550#/45"

FFP:369-665#/45"

FSIP:1533#/60"

30MIN: lots of blk & green sh, gry-crm inxln lm, dense, no vis por, lots crm chlky lm, dense, no odr, ns. 60MIN: lots of blk carb sh, mstly crm chlky lm, gry inxln lm, dense, few tan coral frag, no odr, ns.

DST #2: 4967' - 5053' (Huck) Recovered 15' mud.

IFP: 72-74#/30" ISIP: 87#/30"

FFP: 75-83#/30" FSIP: 93#/30"

DST #3: 5036' - 5082' (Morrow) GTS 1 minute into initial open. 1" choke. Initial flow period 30". Gauged N/A Final flow period 60". Gauged 3,708 mcf/5"

6,166 mcf/10"

6,166 mcf/20"

6,951 mcf/30"

6,166mcf/40"

7,600 mcf/50"

7,121 mcf/60"

7,121 mcf/70"

7,121mcf/80"

7,121 mcf/90"

721BTU

Recovered no fluid all gas, only condensate in tool.

IFP:1521-1525#/30" ISIP:1583#/45"

FFP:1567-1559#/90"

FSIP:1573#/120"

30MIN: mstly crm-brwn inxln lm, dense, no vis por, few sli micrtic fn grn lm w/ ?able stn, one chp w/ slight gas show, no odr, ns. 60MIN: sig incrs in crm chlky lm, few fn xln lm chps w/ vuggy por, fresh brwn oil stn, v. weak odr, ns.

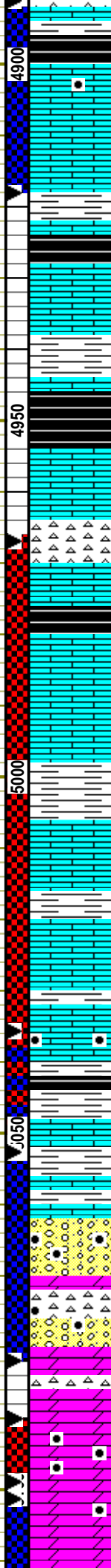
30MIN: mstly tan-crm inxln lm, dense, poor inxln por, incrs in green and gry sh, abundance of crm chlky lm, no odr, ns. 60MIN: slight incrs in igreen sh, mstly crm chlky lm, few chps fn xln lm, w/ fair channel por w/ slight brwn oil stn, v. weak odr.

30MIN: sh: yellow, gry, purp, maron & mstly Aqua green. few qtz ss clusters, sub-rounded, cors-med grn, well sortd, poorly graded, fairly cemntd, one clustr w/ gas shw upon brkng, no odr, ns. 60MIN: sh same as thirty smaple. incrs in brwn chrty lm, foss, no vis por, one chp w/ frac oil stn, few clr qtz ss, sub-rounded, well sortd, well graded, few clustr w. a shw of free tary oil, faint odr.

30MIN: sh aa, ss aa, incrs in loose sand sed, incrs in brwn foss lm, poor por, incrs in odr, lots of scat stn. 60MIN: incrs in gry sh, incrs in loose cors grn qtz sand, incrs in chrty dolo/lm, no odr, ns, no odr.

30MIN: buff-wht chrty dolo, v hrd to to brk few chps w/ lght shw, fair odr. 60MIN: incrs in buff fn grn dolo, well cemntd, shw of brwn free oil, strong odr.

30MIN: mstly gry maroon & green sh, buff



4910: aa, incrs in lght crm chlky lm, incrs in translucent sli foss chrt, no odr, ns.

4920: crm inxln lm, no vis por, two chps w/ drk tary oil stn, fair flour, slight odr.

4930: mstly gry and green sh, lots of wht chl, loose pyrt, crm-tan inxln lm, dense, poor-no por, no odr, ns.

4940: aa, sig incrs in drk crm chlky lm.

4950: mstly gry & blk carb sh, tan-crm inxln lm, v. dense, loose wht foss chrt, no odr, ns.

4960: slight incrs in blk carb sh, crm, brwn-gry inxln lm, dense, no vis por, no odr, ns.

4970: aa, incrs in crm chlky lm.

4980: lots of blk carb sh, incrs in wht-gry chrt, sli foss, mstly crm inxln lm, v. dense, no odr, ns.

4990: mstly brwn xln lm, cemnt flooded, no vis por, incrs in foss wht chirt, no odr, ns.

5000: aa, incrs in blk carb sh.

5010: lots of blk carb- maroon sh, mstly crm fn xln lm, poor-no por, no odr, ns.

5020: brwn-gry inxln lm, v. dense, foss, incrs in crm chlky lm, no odr, ns.

5030: brwn-crm inxln lm, poor inxln lm por, lots drk/dry crm chlky lm, no odr, ns.

5040: aa, incrs in blk carb & gry sh, shw of gry micortic lm, well cemntd, no odr, ns.

5050: mstly crm inxln lm, poor inxln por, no odr, ns.

5060: sh: yellow, maroon, aqua, gry, purp, & blk carb sh.

5070: aa, few clusters of green ss-sandy sh, cors-med grn, sub-rounded, well sortd, poorly graded, mod cemntd, no odr, ns.

5080: sh aa, few ss aa w/ tary oil stn, brwn chrty lm, dense, no vis por, few sub-chlky lm, w/ tary oil stn, fair odr.

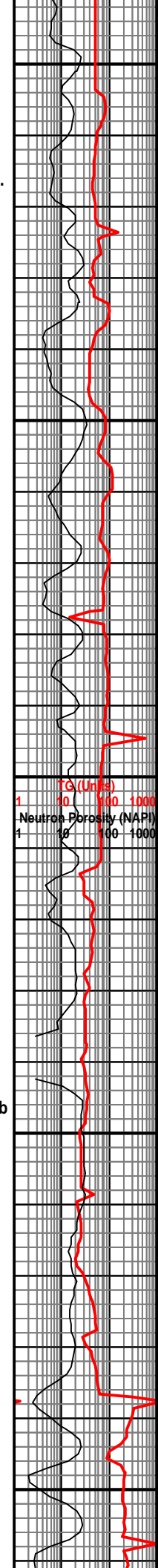
5090: sh: gry, yellow, orange, purp, & green, incrs in tan fn xln lm, sli chrty, no vis por, one chpp w/ a tary stn, no odr, ns.

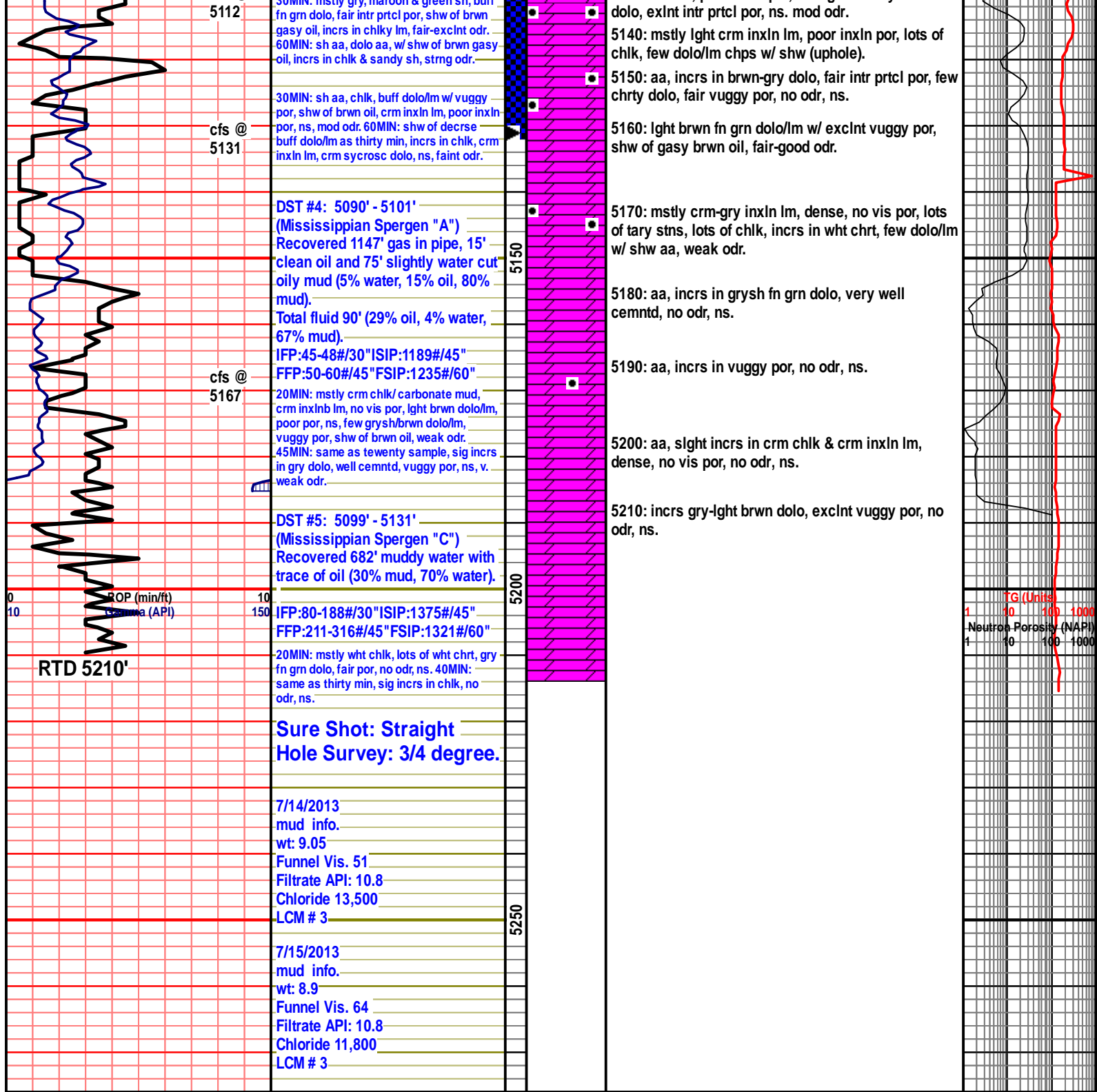
5100: aa, incrs in wht chrt, no odr, ns.

5110: mstly gry & green sh, lots of buff-gry fn grn dolo, fair intr prtcl por, shw of free brwn oil, fair odr.

5120: sh aa, lght brwn dolo lm, intr prtcl- vuggy por, well cemntd, shw of lght brown oil, strng odr.

5130: buff dolo/lm w/ shw aa, incrs in chl, shw of crm inxln lm, poor inxln por, few lght crm sycrosc





5112

30MIN: misty gry, maroon & green sh, buff
fn grn dolo, fair intr prtcl por, shw of brwn
gasy oil, incrs in chlk lm, fair-exclnt odr.
60MIN: sh aa, dolo aa, w/ shw of brwn gasy
oil, incrs in chlk & sandy sh, strng odr.

dolo, exlnt prtcl por, ns. mod odr.

5140: mstly lght crm inxln lm, poor inxln por, lots of
chlk, few dolo/lm chps w/ shw (uphole).

cfs @
5131

30MIN: sh aa, chlk, buff dolo/lm w/ vuggy
por, shw of brwn oil, crm inxln lm, poor inxln
por, ns, mod odr. 60MIN: shw of decese
buff dolo/lm as thirty min, incrs in chlk, crm
inxln lm, crm syncroc dolo, ns, faint odr.

5150: aa, incrs in brwn-gry dolo, fair intr prtcl por, few
chrtly dolo, fair vuggy por, no odr, ns.

5160: lght brwn fn grn dolo/lm w/ exclnt vuggy por,
shw of gasy brwn oil, fair-good odr.

DST #4: 5090' - 5101'
(Mississippian Spergen "A")
Recovered 1147' gas in pipe, 15'
clean oil and 75' slightly water cut
oily mud (5% water, 15% oil, 80%
mud).
Total fluid 90' (29% oil, 4% water,
67% mud).
IFP:45-48#/30"ISIP:1189#/45"
FFP:50-60#/45"FSIP:1235#/60"

5170: mstly crm-gry inxln lm, dense, no vis por, lots
of tary stns, lots of chlk, incrs in wht chrt, few dolo/lm
w/ shw aa, weak odr.

5180: aa, incrs in grysh fn grn dolo, very well
cemntd, no odr, ns.

cfs @
5167

20MIN: mstly crm chlk/ carbonate mud,
crm inxln lm, no vis por, lght brwn dolo/lm,
poor por, ns, few grysh/brwn dolo/lm,
vuggy por, shw of brwn oil, weak odr.
45MIN: same as tewenty sample, sig incrs
in gry dolo, well cemntd, vuggy por, ns, v.
weak odr.

5190: aa, incrs in vuggy por, no odr, ns.

5200: aa, slght incrs in crm chlk & crm inxln lm,
dense, no vis por, no odr, ns.

DST #5: 5099' - 5131'
(Mississippian Spergen "C")
Recovered 682' muddy water with
trace of oil (30% mud, 70% water).

5210: incrs gry-lght brwn dolo, exclnt vuggy por, no
odr, ns.

ROP (min/ft)
10
150
10
150

IFP:80-188#/30"ISIP:1375#/45"
FFP:211-316#/45"FSIP:1321#/60"

20MIN: mstly wht chlk, lots of wht chrt, gry
fn grn dolo, fair por, no odr, ns. 40MIN:
same as thirty min, sig incrs in chlk, no
odr, ns.

RG (Units)
1 10 100 1000
Neutron Porosity (NAPI)
1 10 100 1000

RTD 5210'

**Sure Shot: Straight
Hole Survey: 3/4 degree.**

7/14/2013
mud info.
wt: 9.05
Funnel Vis. 51
Filtrate API: 10.8
Chloride 13,500
LCM # 3

7/15/2013
mud info.
wt: 8.9
Funnel Vis. 64
Filtrate API: 10.8
Chloride 11,800
LCM # 3

5150

5200

5250



#1 Blew
1700' FNL & 985' FWL
50' S & 5' W of NE SW NW Section 11-28S-23W
Ford County, Kansas
API# 15-057-20902-0000
Elevation: 2430' GL, 2440' KB

Sample Tops			Ref. Well
Anhydrite	1440'	+1000	-15
B/Anhydrite	1470'	+970	-7
Stotler	3563'	-1123	-12
Heebner	4224'	-1784	-1
Lansing	4389'	-1949	-22
Muncie Shale	4555'	-2115	Flat
Stark Shale	4698'	-2258	+1
Hush Shale	4743'	-2303	+2
BKC	4773'	-2333	Flat
Marmaton	4830'	-2390	+1
Altamont	4850'	-2410	-5
Pawnee	4903'	-2463	+2
Cherokee Shale	4951'	-2511	-1
Huck	5032'	-2592	+1
Atoka	5045'	-2605	+4
Morrow	5061'	-2621	NA
Mississippian	5087'	-2647	-22
RTD	5210'	-2770	

ALLIED CEMENTING CO., LLC. 040105

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Medicine Lodge, KS

DATE <i>07-05-13</i>	SEC. <i>7-1</i>	TWP. <i>28s</i>	RANGE <i>23w</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <i>Blew</i>	WELL# <i>1</i>	LOCATION <i>Ford, KS, n. to Saddle Rd w to</i>	COUNTY <i>Ford</i>	STATE <i>KS</i>			<i>3:15 PM</i>
OLD OR NEW (Circle one)	<i>122RD, 1s, split</i>						

CONTRACTOR *Val #1* OWNER *Ritchie*

TYPE OF JOB *Surface*

HOLE SIZE *12 3/4* T.D. *365* CEMENT AMOUNT ORDERED *250sx class A + 3%*

CASING SIZE *8 5/8* DEPTH *366* *cc + 2% gel*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX *300** MINIMUM *-*

MEAS. LINE SHOE JOINT *N/A*

CEMENT LEFT IN CSG. *20'*

PERFS.

DISPLACEMENT *22 Bbls Fresh H₂O*

EQUIPMENT

PUMP TRUCK CEMENTER *P. Felio*

558-555 HELPER *S. Paddy*

BULK TRUCK

561-553 DRIVER *R. Gilley*

BULK TRUCK

DRIVER

REMARKS:

See Job Log

Cement Did Cure.

THX ☺

CHARGE TO: *Ritchie*

STREET

CITY STATE ZIP

TOTAL *6800.93*

SERVICE

DEPTH OF JOB *366*

PUMP TRUCK CHARGE *1512.75*

EXTRA FOOTAGE @

MILEAGE *30* @ *7.70* *231.00*

MANIFOLD *headrental* @ *275.00*

LU 30 @ *4.40* *132.00*

TOTAL *2150.75*

PLUG & FLOAT EQUIPMENT

8 5/8 1- Surface Plug (used) @ *110.00*

1- Baffle Plate @ *102.50*

TOTAL *212.50*

SALES TAX (If Any)

TOTAL CHARGES *9164.18*

DISCOUNT IF PAID IN 30 DAYS

(NET) 7331.34

PRINTED NAME *Rick Smith*

SIGNATURE *Rick Smith*

To Allied Cementing Co., 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.



CONSOLIDATED
Oil Well Services, LLC

260589

TICKET NUMBER 38000
LOCATION Oakley, KS
FOREMAN Kelly Gabel

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
7-16-13	7173	Blew #1	11	28	23	Ford
CUSTOMER Ritchie Exploration			283450			
MAILING ADDRESS			JCT	TRUCK #	DRIVER	TRUCK #
			SOUTH	399	Damon	
			Saddle Rd	589	DJ	
			East to	Jack (ride along)		
			Rd 122			
			1/2 S			
CITY	STATE	ZIP CODE				

JOB TYPE Prod HOLE SIZE 7 7/8 HOLE DEPTH 5210 CASING SIZE & WEIGHT 5 1/2 15.5 #
 CASING DEPTH 5207 DRILL PIPE _____ TUBING Patop # 91 OTHER PC @ 1388
 SLURRY WEIGHT 142 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 123.4 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting, ran float equip on ST #5 turbalizers, 1, 2, 3, 5
90, 92, 11 baskets 91, 111 cen pipe to bottom, 124 ATs total (rigged up
on val #1, hooked up & circulated for 1 hr, pumped 5 bbl water, mud flush
5 bbl water, mixed 30 sks RH, 20 sks MH, mixed 250 sks owc 5 # Kol-seal
.25% CDI 26, 1490 CoF38 down center, released plug & displaced
with 12 3/4 bbl water with a lift of 1250 # & plug landed @ 1750 #,
released & pressure, float held, washed out pump & lines, rigged down.
Had good returns throughout displacement

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401P	1	PUMP CHARGE	3100.00	3100.00
54106	60	MILEAGE	5.25	315.00
1126	300 sks	OwC	23.70	7110.00
110A	1500 #	Kol-seal	.56	940.00
1137	70 1/2	CDI-26	10.20	719.10
11416	42	CoF38 (Defoamer)	10.20	428.40
5407A	14.1	Ton mileage delivery	1.75	1490.00
11446	500 gal	mud flush	1.00	500.00
41203	1	5 1/2 Guide shoe (w)	202.25	202.25
41288	1	5 1/2 AF4 Insert (w)	216.50	216.50
4136	2	5 1/2 turbalizer (w)	25.75	530.25
4104	2	5 1/2 basket (w)	290.00	580.00
4285	1	5 1/2 Port collar (I)	2178.25	2178.25
21406	1	5 1/2 rubber Plug	92.50	92.50
				18,294.05
				1,829.41
				16,464.64
			SALES TAX	940.56
			ESTIMATED TOTAL	17405.20

completed

Lead 10070

Ravin 3737

AUTHORIZATION Gy Row

TITLE _____

DATE 7-16-13

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.



CONSOLIDATED
Oil Well Services, LLC

260706

TICKET NUMBER 37962
LOCATION Delroy MS
FOREMAN Miles Shaw
Walt Dinkell

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
7-18-13	7173	Blew #1	11	28S	23west	Field
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Bitchie Exploration			399	Jerry Y		
MAILING ADDRESS			59709	Daniel D / Jeremy R		
CITY	STATE	ZIP CODE				

JOB TYPE Port-Celler HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING 2 7/8" OTHER PC @ 1385'
 SLURRY WEIGHT 12.5 SLURRY VOL 1.6 WATER gal/sk _____ CEMENT LEFT In CASING _____
 DISPLACEMENT 7 1/2 bbls DISPLACEMENT PSI 500 MIX PSI _____ RATE _____

REMARKS: Safety meeting and rig up on U&M well service test tool to 1200 psi.
Open to test establish circulation mix 29% solids 60/40 per logged 4" Flusral
with 500 # hulls displaced 7 1/2 bbls water shut tool test to 1200 psi. Run 10' sand
in reversed clean

Thanks Miles & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5101B	1	PUMP CHARGE	1785.00	1785.00
5402	60	MILEAGE	5.25	315.00
5407A	12.47 tons	Ton Mileage delivery	1.75	1302.80
1131	290 SLS	60/40 per	15.86	4599.40
1105	500 #	Cotton Seed hulls	.58	290.00
1107	72 #	Flusral	2.97	213.84
1112B	1496 #	Bentonite gel	.27	403.92
			Subtotal	8916.96
			less 10% discount	8025.26
			Subtotal	8025.26
			SALES TAX	380.60
			ESTIMATED TOTAL	8411.86

completed

Ravin 3737

AUTHORIZATION Thomas Ash TITLE _____

DATE 7-18-13

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]

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

October 30, 2013

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

Re: ACO1
API 15-057-20902-00-00
Blew 1
NW/4 Sec.11-28S-23W
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