

Adam Eldani Geo-Log/Report

WellSight Systems

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

Measured Depth Log

Well Name: #1 WEBER 15 UNIT
Location: SEC 15- twp 13S- rge 31W GOVE COUNTY
License Number: API 15-063-22091
Spud Date: 03/07/2013
Surface Coordinates: 2520' FSL 2400' FWL
Region: Kansas (C.K.U.)
Drilling Completed: 03/16/2013

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

Coordinates:

Ground Elevation (ft): 2908 K.B. Elevation (ft): 2913

Logged Interval (ft): 3600 To: 4722 Total Depth (ft): 4720

Formation: Mississippian

Type of Drilling Fluid: Mud-Co Chemical

Printed by WellSight Log Viewer 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

Sample & Log Tops/ Daily Drilling Report

TOPS:

E-LOG:**SAMPLE TOPS:**

Anhydrite 2399'+514	Anhydrite 2399'+514
B/Anhydrite 2425'+488	B/Anhydrite 2424'+489
Heebner 3933'-1020	Heebner 3930'-1017
Toronto 3958'-1045	Toronto 3952'-1039
Lansing 3975'-1062	Lansing 3970'-1057
Muncie Shale 4126'-1213	Muncie Shale 4127'-1214
Stark Shale 4213'-1300	Stark Shale 4214'-1301
Hush. Shale 4247'-1334	Hush. Shale 4248'-1335
BKC 4278'-1365	BKC 4282'-1369
Marmaton 4309'-1396	Marmaton 4312'-1399
Altamont 4343'-1430	Altamont 4348'-1435
Pawnee 4408'-1495	Pawnee 4409'-1496
Myrick 4440'-1527	Myrick 4439'-1526
Fort Scott 4459'-1546	Fort Scott 4460'-1547
Cherokee Sh 4485'-1572	Cherokee Sh 4487'-1574
Johnson 4526'-1613	Johnson 4531'-1618
Mississippian 4573'-1660	Mississippian 4582'-1669
RTD 4720'-1807	LTD 4722'-1809

DAILY DRILLING REPORT:

3/07 spud
 3/08 1200'
 3/09 2955'
 3/10 3960'
 3/11 4028'
 3/12 4095'
 3/13 4242'
 3/14 4372'
 3/15 4525'
 3/16 4620'
 3/17 4720'

Misc. Field Info.

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

RIG: WW DRILLING CO. RIG#2
 DRILLPIPE: 4-1/2" XH

TOOLPUSHER: Lonnie Lang
 MUD: MUDCO (REID ATKINS)
 GAS DETECTOR: NONE
 DRILL STEM TESTS: TRILOBITE TESTING
 LOGS: NABORS

OFFICE: PETER FIORINI

Comments

SURFACE Casing: 8 5/8" @ 225'

Moved in and rigged up. Spud at 12:30 p.m. Ran 5 jts new 23# 8-5/8" surface casing. Tally at 217.77', set at 225'. Cemented with 165 sacks common, 3% cc, 2% gel. Cement circulated. Plug down at 4:00 p.m. Drilled out plug at 12:00 a.m. on 3/8/13.

STRUCTURALLY: This Well ran Lower to Offset.

After the evaluation of electrical logs, and drill stem test results; Ritchie Exploration, Inc. determined to run 5 1/2" production casing on #1 Weber Unit for further commercial testing oil and gas.

Ran 5-1/2" 15.5# new production casing, set at 4717'. Port collar at 2396'. Insert at 4695'. Pumped 500 gallons mud flush. Cemented casing with 225 sacks OWC, 10% salt, 2% gel, 1/4% CDI-26 and 5 1/4% Kol-Seal. Plug down at 7:48 a.m. Insert did not hold. Plugged rat hole with 30 sacks and mouse hole with 20 sack of cement.

Samples will be deposited with KANSAS GEOLOGICAL SURVEY.








































































RESPECTFULLY SUBMITTED;

Adam M. A. Eldani
Petroleum Geologist.


























ROCK TYPES

 Carb sh	 Clyst	 Igne	 Shale	 Till
 Anhy	 Coal	 Lmst	 Shcol	
 Bent	 Congl	 Meta	 Shgy	
 Brec	 Dol	 Mrlst	 Sltst	
 Cht	 Gyp	 Salt	 Ss	

ACCESSORIES

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

OTHER SYMBOLS

POROSITY	 Vuggy	ROUNDING	 Spotted	 Dst_alt
 Earthy	SORTING	 Rounded	 Ques	EVENT
 Fenest	 Well	 Subrnd	 Dead	 Rft
 Fracture	 Moderate	 Subang	INTERVAL	 Sidewall
 Inter	 Poor	 Angular	 Core	
 Moldic		OIL SHOW	 Dst	
 Organic		 Even	 Dst	
 Pinpoint				

Curve Track 1

ROP (min/ft)



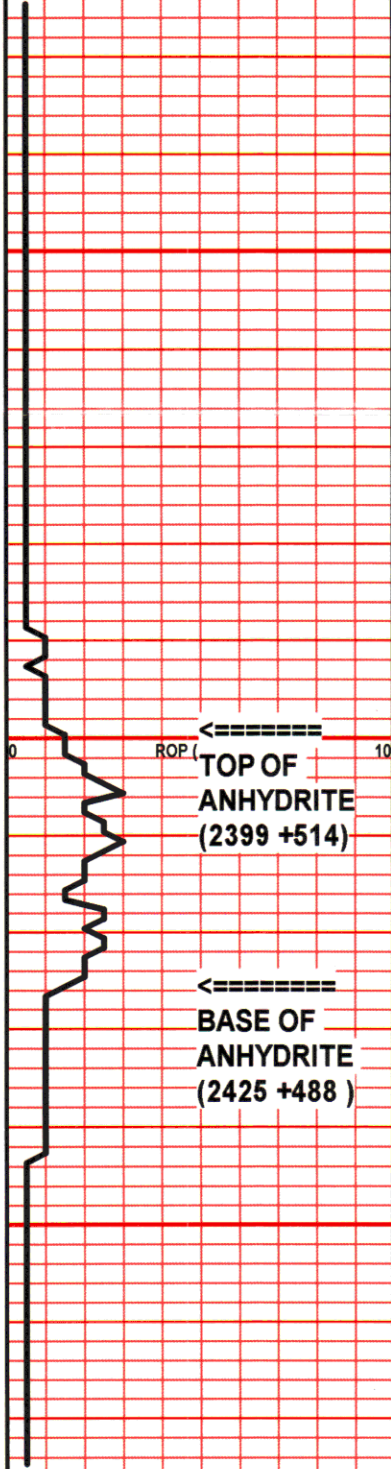
New Track

Depth
Lithology

Geological Descriptions

ROP (min/ft) 0 10

33



2350

3350

NO SAMPLES AVA.

2400

3400

NO SAMPLES AVA.

TOP OF ANHYDRITE (2399 +514)

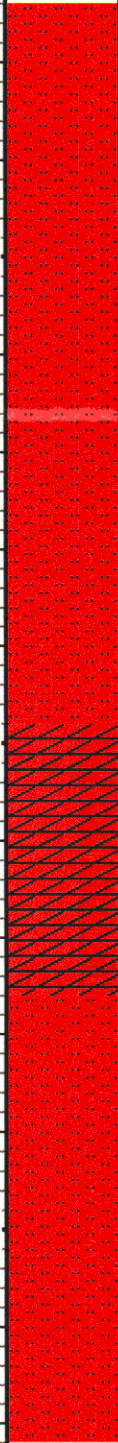
BASE OF ANHYDRITE (2425 +488)

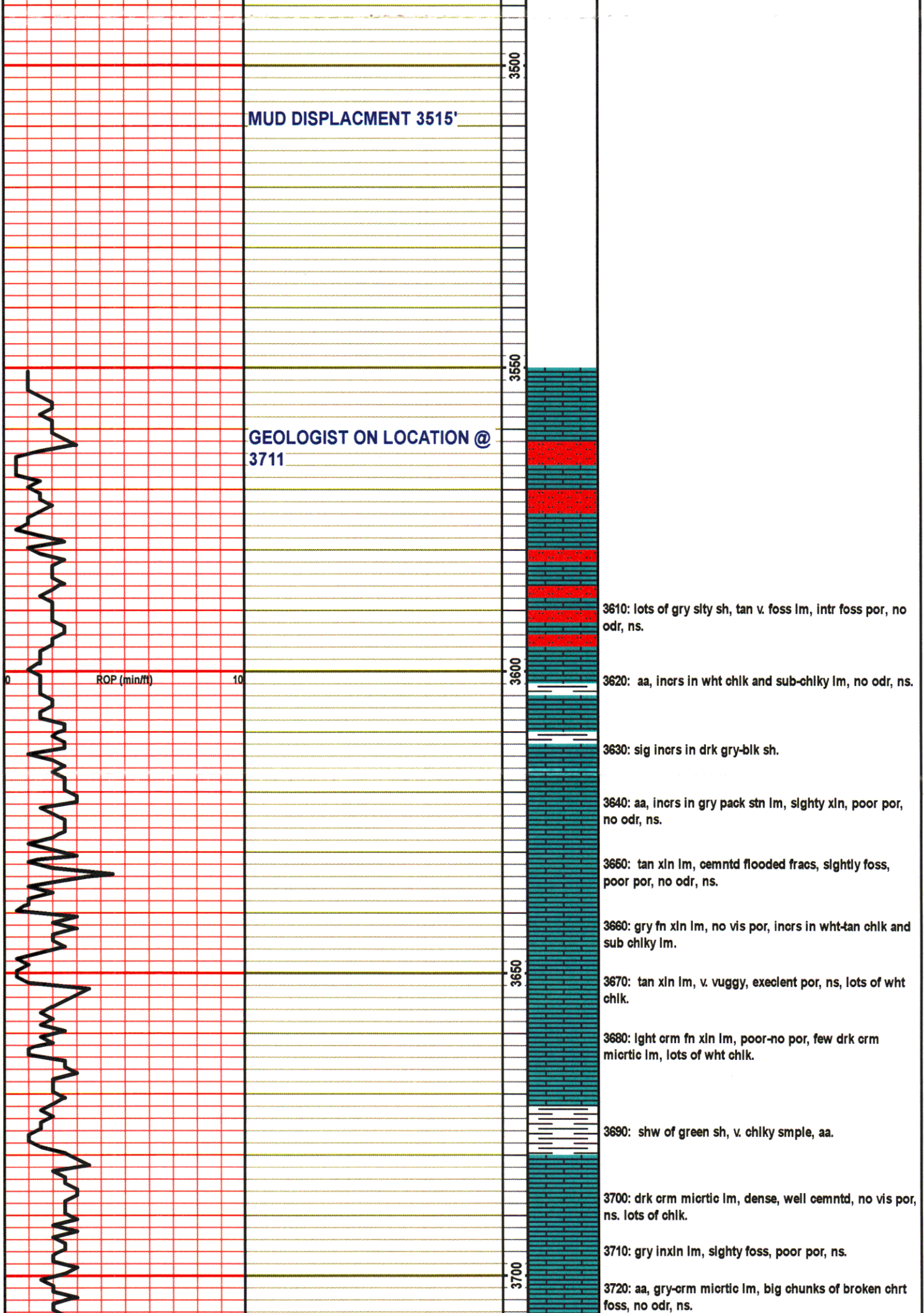
e-log anhy-b/anhy tops:
2399' +514
2424' +489

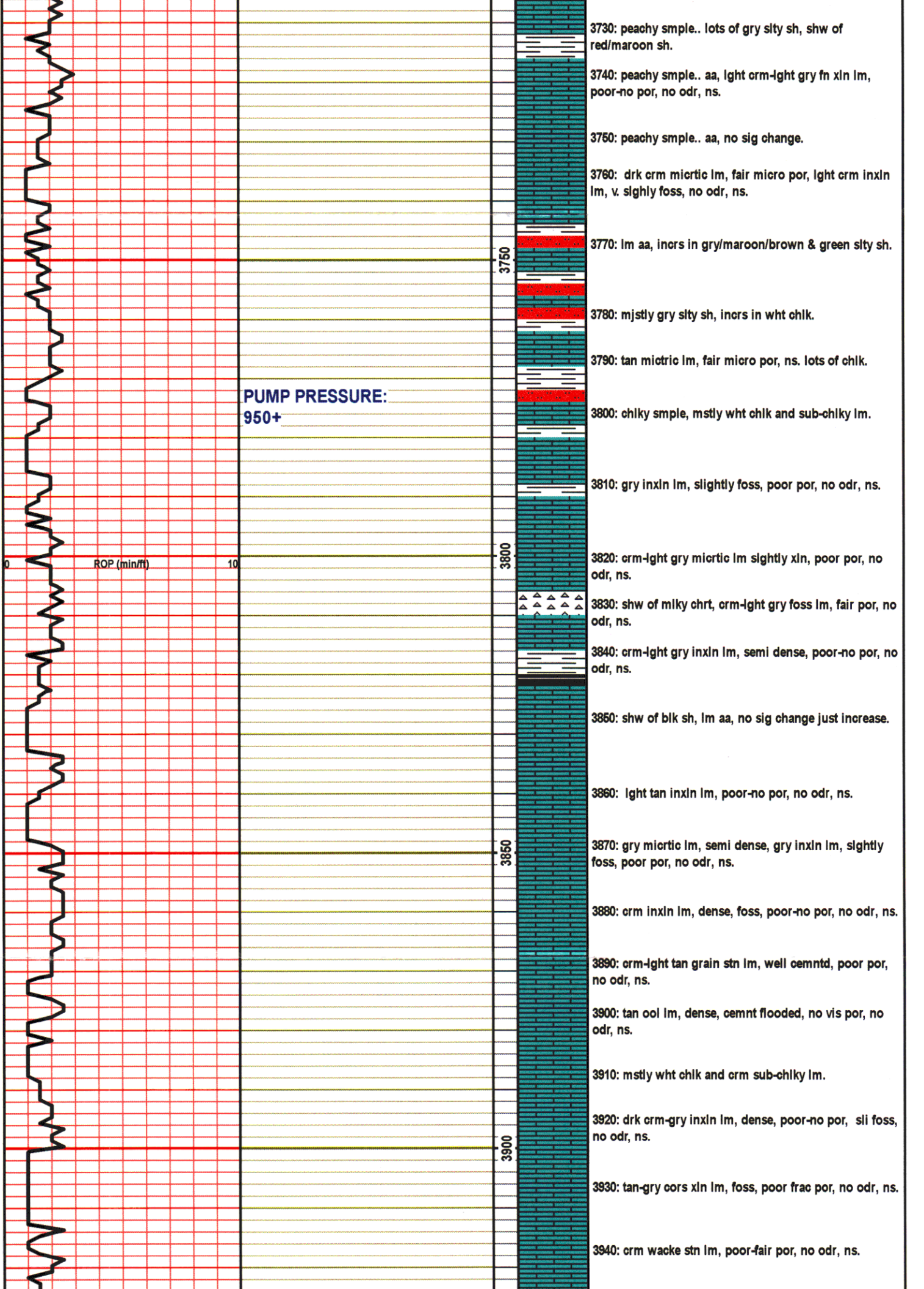
2450

3450

NO SAMPLES AVA.







3730: peachy smple.. lots of gry sity sh, shw of red/maroon sh.

3740: peachy smple.. aa, lght crm-lght gry fn xln lm, poor-no por, no odr, ns.

3750: peachy smple.. aa, no sig change.

3760: drk crm micrtic lm, fair micro por, lght crm inxln lm, v. slghly foss, no odr, ns.

3750

3770: lm aa, incrs in gry/maroon/brown & green sity sh.

3780: mjtly gry sity sh, incrs in wht chlk.

3790: tan micrtic lm, fair micro por, ns. lots of chlk.

PUMP PRESSURE:
950+

3800: chiky smple, mstly wht chlk and sub-chiky lm.

3810: gry inxln lm, slghtly foss, poor por, no odr, ns.

3800

3820: crm-lght gry micrtic lm slghtly xln, poor por, no odr, ns.

▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲

3830: shw of mlky chrt, crm-lght gry foss lm, fair por, no odr, ns.

3840: crm-lght gry inxln lm, semi dense, poor-no por, no odr, ns.

3850: shw of blk sh, lm aa, no sig change just increase.

3860: lght tan inxln lm, poor-no por, no odr, ns.

3850

3870: gry micrtic lm, semi dense, gry inxln lm, slghtly foss, poor por, no odr, ns.

3880: crm inxln lm, dense, foss, poor-no por, no odr, ns.

3890: crm-lght tan grain stn lm, well cemntd, poor por, no odr, ns.

3900: tan ool lm, dense, cemnt flooded, no vis por, no odr, ns.

3910: mstly wht chlk and crm sub-chiky lm.

3900

3920: drk crm-gry inxln lm, dense, poor-no por, sli foss, no odr, ns.

3930: tan-gry cors xln lm, foss, poor frac por, no odr, ns.

3940: crm wacke stn lm, poor-fair por, no odr, ns.

HEEBNER
3930-1017

LANSING
3970-1057

ROP (min/ft)

cfs @
3972

cfs @
4004

cfs @
4012

cfs @
4028

cfs @
4057

cfs @
4070

MUNCIE
4126-1213

30MIN: tan-grysh green xln lm, dense, no vis por, no odr, ns. 60MIN: incrs in wht chlk, tan ool lm, mod cemnt, poor-fair por, no odr, ns.

DST #1: 3993' - 4028' (LKC "C & D")
REC: 300' GIP, 210' GO (10%G, 90%O), 123' MCO (40%M, 60%O).
IFP:20-76#/30"ISIP:1211#/45"
FFP:85-119#/45"FSIP:1199#/60"

30MIN: incrs in gry and aqua sh, lots of mlky chrt, tan ool lm, mod cemntd, fair-poor por, ssfo, fair odr. 60MIN: lots of gry, maroon and aqua sh, brwn ool lm mod cemnt, fair por, sfo, crm xln lm, w/ pin point vuggy por, sfo.

30MIN: crm xln lm, lots of pin point vuggy por, slightly ool, ssfo, fair-weak odr. 60MIN: lots of gry and maroon sh, crm inxln lm, w/ fair pin point por, decrease of sfo, weak odr.

30MIN: mstly crm/tan sub-chlky lm, few wht chrty/lm w/ strng pyrztion. 60MIN: crm inxln lm, poor-no inxln por, chlk aa, few drk tan fn xln lm, no por, no odr, ns.

30MIN: incrs in wht chlk, tan pack stn lm, semi xln fair-poor intr prtcl por, shw of drk brwn oil, fair-mod odr. 60MIN: incrs in wht/mlky chrt, tan pack stn lm, prtly xln, fair intr prtcl por, lots of shw of brwn oil, mod-strng odr.

30MIN: incrs in chlk and sub-chlky lm, incrs in gry sh, lots ool lm, cemnt flooded, no vis por, no odr, ns. 60MIN: lots of chlk, crm inxln lm, poor inxln por, lots of peach chrty lm, no vis por, no odr, ns.

DST #2: 4043' - 4070' (LKC "E & F") Recovered 30' mud cut oil (40% mud, 60% oil).
IFP:15-24#/30"ISIP:1075#/45"
FFP:24-36#/45"FSIP:1129#/60"

3950: shw of blk carb sh.

3960: mstly slty gry and maroon sh.

3970: mstly chlk, lght crm inxln lm, dense, no vis por, few tan chrt, lots of tan micrtic lm, semi dense, no odr, ns.

3980: tan grain stn lm, fair por, lots of tan-gry inxln lm, dense, no vis por, no odr, ns.

3990: incrs in gry and maroon sh, crm-gry fn xln lm, no vis por, dense, hrd to brk, no odr, ns.

4000: v. lght crm ixln lm, poor inxln por, lots of crm sub-chlky lm, no odr, ns.

4010: crm xln lm slightly ool, lots fair pin point por, shw of free drk brwn oil, fair-strng odr.

4020: tan fn xln lm, no vis por, hrd to brk, shw of oil aa, weak odr.

4030: lm aa, incrs in maroon and drk green sh.

4040: lots of gry, aqua & maroon sh, lots of pyrnt, crm-buff fn xln lm, no vis por, no odr, ns.

4050: mstly lght crm inxln lm, poor inxln por, no odr, ns.

4060: aa, drker crm color, no sig change.

4070: tan ool lm, cemnt flooded, no vis por, few chps w/ shw aa, weak-no odr.

4080: mstly gry and maroon sh, lots gry to aqua slt stn.

4090: mstly crm-tan inxln lm, poor inxln por, no odr, ns.

4100: lots of crm inxln lm, poor-no inxln por, lots of lght crm sub-chlky lm.

4110: aa, lght gry inxln lm, no vis por, no odr, ns.

4120: aa, mstly chlk and sub-chlky lm, no odr, ns.

4130: crm-lght gry inxln lm, por inxln por, no odr, ns.

4140: shw of carb sh, crm-gry xln lm semi chrty, dense, no vis por, no odr, ns.

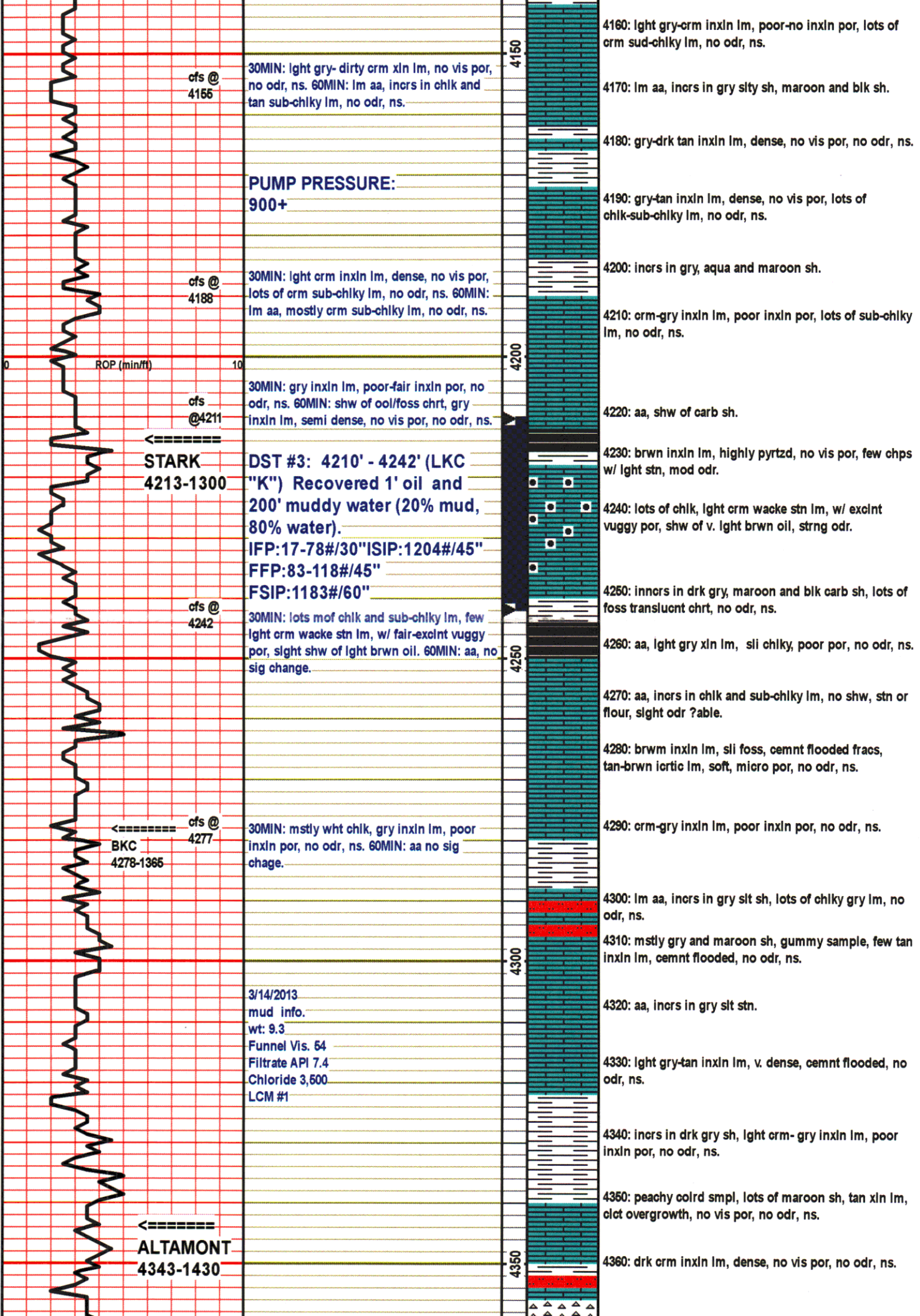
4150: lots of gry gummy chlk, lm aa, lots of gry/greensh & maroon sh.

3950

4000

4050

4100



cfs @
4155

30MIN: lght gry- dirty crm xln lm, no vis por, no odr, ns. 60MIN: lm aa, incrs in chlk and tan sub-chlky lm, no odr, ns.

PUMP PRESSURE:
900+

cfs @
4188

30MIN: lght crm inxln lm, dense, no vis por, lots of crm sub-chlky lm, no odr, ns. 60MIN: lm aa, mostly crm sub-chlky lm, no odr, ns.

ROP (min/ft)

cfs @
4211

30MIN: gry inxln lm, poor-fair inxln por, no odr, ns. 60MIN: shw of ool/foss chrt, gry inxln lm, semi dense, no vis por, no odr, ns.

STARK
4213-1300

**DST #3: 4210' - 4242' (LKC "K") Recovered 1' oil and 200' muddy water (20% mud, 80% water).
IFP:17-78#/30"ISIP:1204#/45"
FFP:83-118#/45"
FSIP:1183#/60"**

cfs @
4242

30MIN: lots of chlk and sub-chlky lm, few lght crm wacke stn lm, w/ fair-exclnt vuggy por, sight shw of lght brwn oil. 60MIN: aa, no sig change.

cfs @
4277
BKC
4278-1365

30MIN: mstly wht chlk, gry inxln lm, poor inxln por, no odr, ns. 60MIN: aa no sig chage.

3/14/2013
mud info.
wt: 9.3
Funnel Vis. 54
Filtrate API 7.4
Chloride 3,500
LCM #1

ALTAMONT
4343-1430

4160: lght gry-orm inxln lm, poor-no inxln por, lots of crm sud-chlky lm, no odr, ns.

4170: lm aa, incrs in gry slty sh, maroon and blk sh.

4180: gry-drk tan inxln lm, dense, no vis por, no odr, ns.

4190: gry-tan inxln lm, dense, no vis por, lots of chlk-sub-chlky lm, no odr, ns.

4200: incrs in gry, aqua and maroon sh.

4210: crm-gry inxln lm, poor inxln por, lots of sub-chlky lm, no odr, ns.

4220: aa, shw of carb sh.

4230: brwn inxln lm, highly pyrtzd, no vis por, few chps w/ lght stn, mod odr.

4240: lots of chlk, lght crm wacke stn lm, w/ exclnt vuggy por, shw of v. lght brwn oil, strng odr.

4250: inners in drk gry, maroon and blk carb sh, lots of foss translucent chrt, no odr, ns.

4260: aa, lght gry xln lm, sli chlky, poor por, no odr, ns.

4270: aa, incrs in chlk and sub-chlky lm, no shw, stn or flour, sight odr ?able.

4280: brwm inxln lm, sli foss, cemnt flooded fracs, tan-brwn iortic lm, soft, micro por, no odr, ns.

4290: crm-gry inxln lm, poor inxln por, no odr, ns.

4300: lm aa, incrs in gry slit sh, lots of chlky gry lm, no odr, ns.

4310: mstly gry and maroon sh, gummy sample, few tan inxln lm, cemnt flooded, no odr, ns.

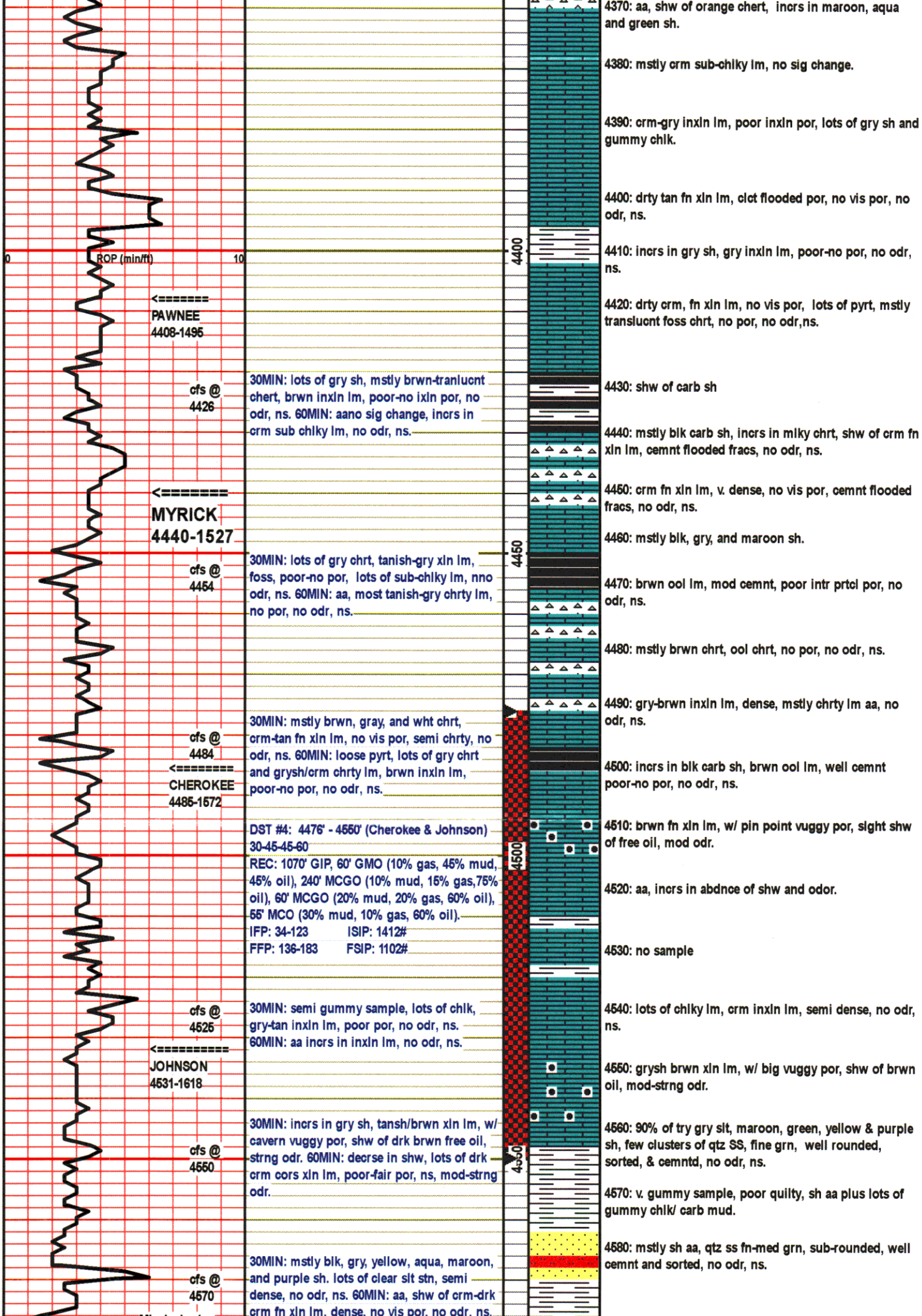
4320: aa, incrs in gry slit stn.

4330: lght gry-tan inxln lm, v. dense, cemnt flooded, no odr, ns.

4340: incrs in drk gry sh, lght crm- gry inxln lm, poor inxln por, no odr, ns.

4350: peachy colrd smpl, lots of maroon sh, tan xln lm, clct overgrowth, no vis por, no odr, ns.

4360: drk crm inxln lm, dense, no vis por, no odr, ns.



Mississippian
4582-1669

cfs @
4584

ROP (min/ft)

0

10

4600

4650

4700

4750

30MIN: lots of green sh, mstly crm lm, grain st, fn grns, well cemntd, poor por, no odr, ns. 60MIN: aa, no sig change in lithology.

3/16/2013
mud info.
wt: 9.2
Funnel Vis. 60
Filtrate API 8.4
Chloride 12,500
LCM #1

DEVIATION SURVEY: 1.0 DEGREE. STRAIT HOLE.

30MIN: v. chiky/gummy smple, mstly grysh-crm shly lm, poor-micro por, no odr, ns. 60MIN: no sig change in the sample.

4590: crm grain stn, fn grn carb sed, poor-fair por, lots of mineral stn, no odr, ns.

4600: aa, incrs in gry & green sh, incrs in wht chlk.

4610: lots of chlk, incrs in gry-wht slit stn, drk crm ool lm, xln, no vis por, no odr, ns.

4620: incrs in ool xln lm, mstly drk tan inxln lm, dense, no vis por, no odr, ns.

4630: gummy sample, inxln lm aa finer xln, mstly gummy chlk.

4640: incrs in gry and green sh, lots of chlk, tan fn xln lm, no vis por, no odr, ns.

4650: crm xln lm, poor por, one chp buff dolo w/ a sfo, no odr.

4660: crm ixln lm, w/ poor-fair por, v. slight shw of free tary oil, v. weak odr.

4670: shw of wht-crm chrt, lots of gry ool lm, well cemntd, no odr, ns.

4680: aa, no sig change, incrs in chrt.

4690: gry ool lm, well cemntd, poor-no por, no odr, ns.

4700: incrs in gry sity sh, mstly gry ool lm, v. well cemntd, hrd to brk, no odr, ns.

4710: v. chiky smple, lots of gry-tan ool lm, semi dense, no odr, ns.

4720: aa, brwn xln lm, poor por, no odr, ns.

RTD 4720
-1807'

