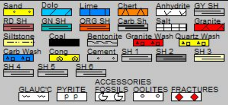
File: YOUNKIN21TATEGLA.mlw

From 1320 To 4740 KB=3048.0

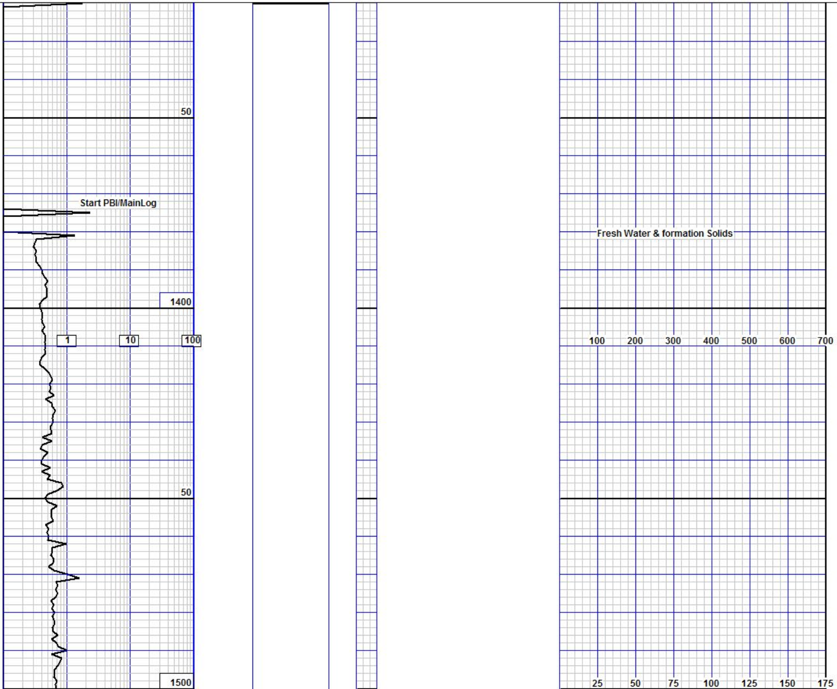
GEOCERTIFIED, LLC

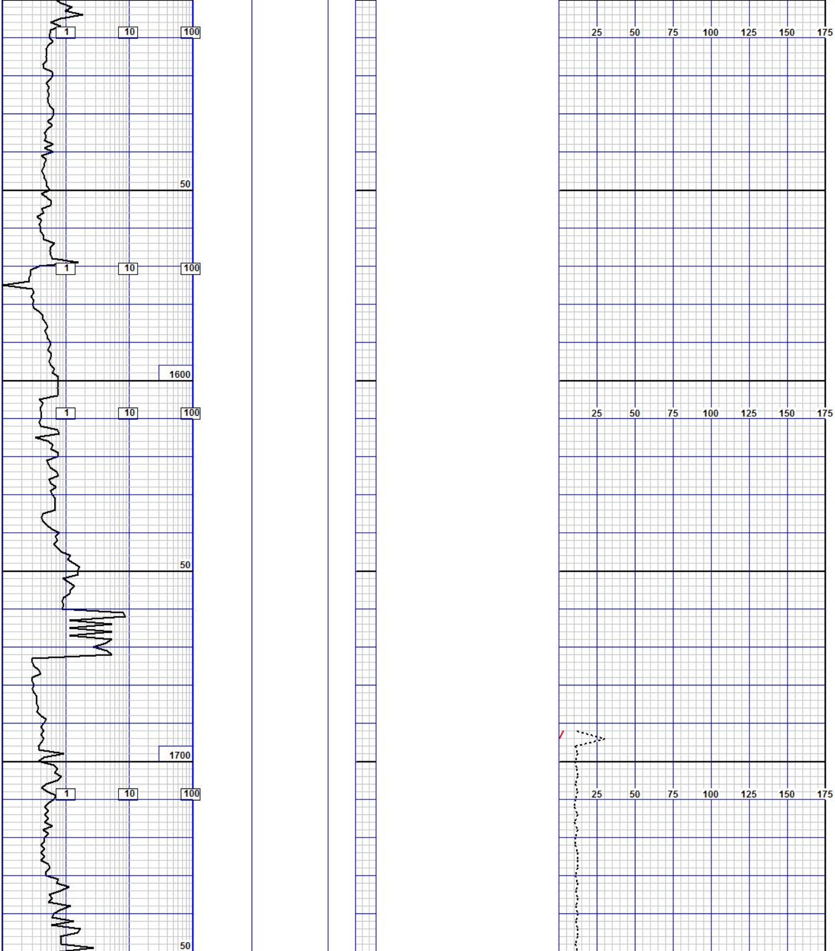


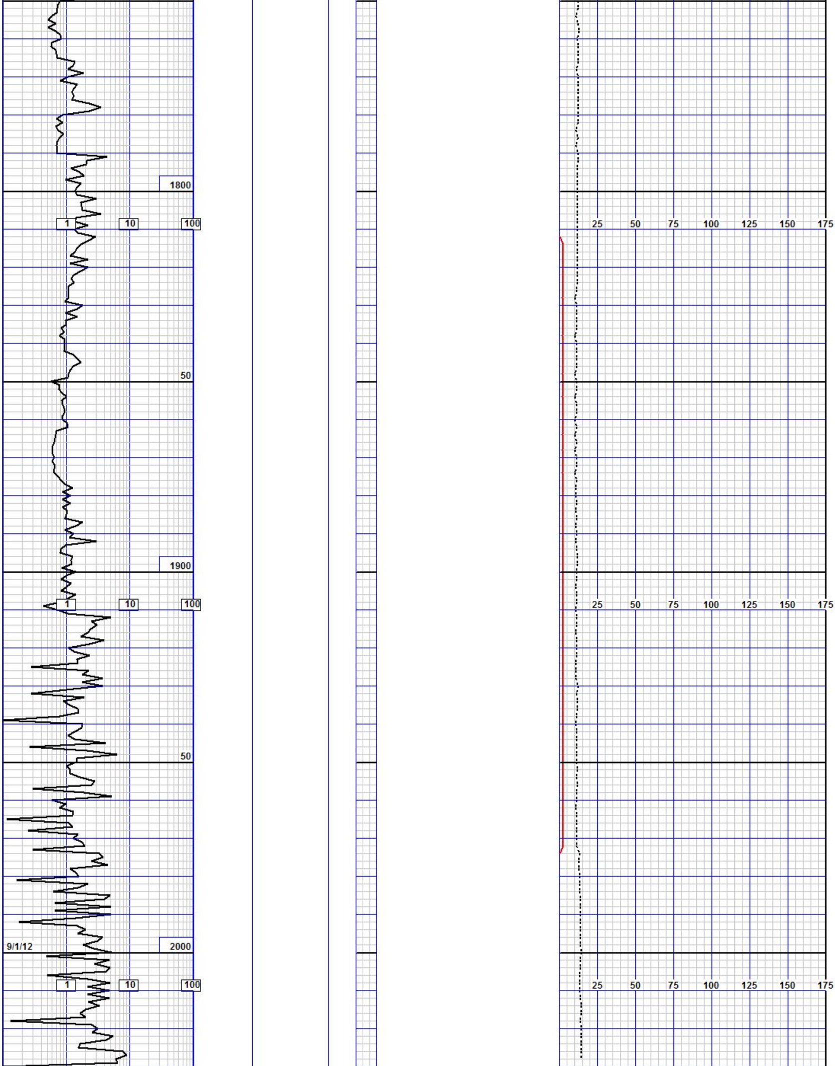
HW

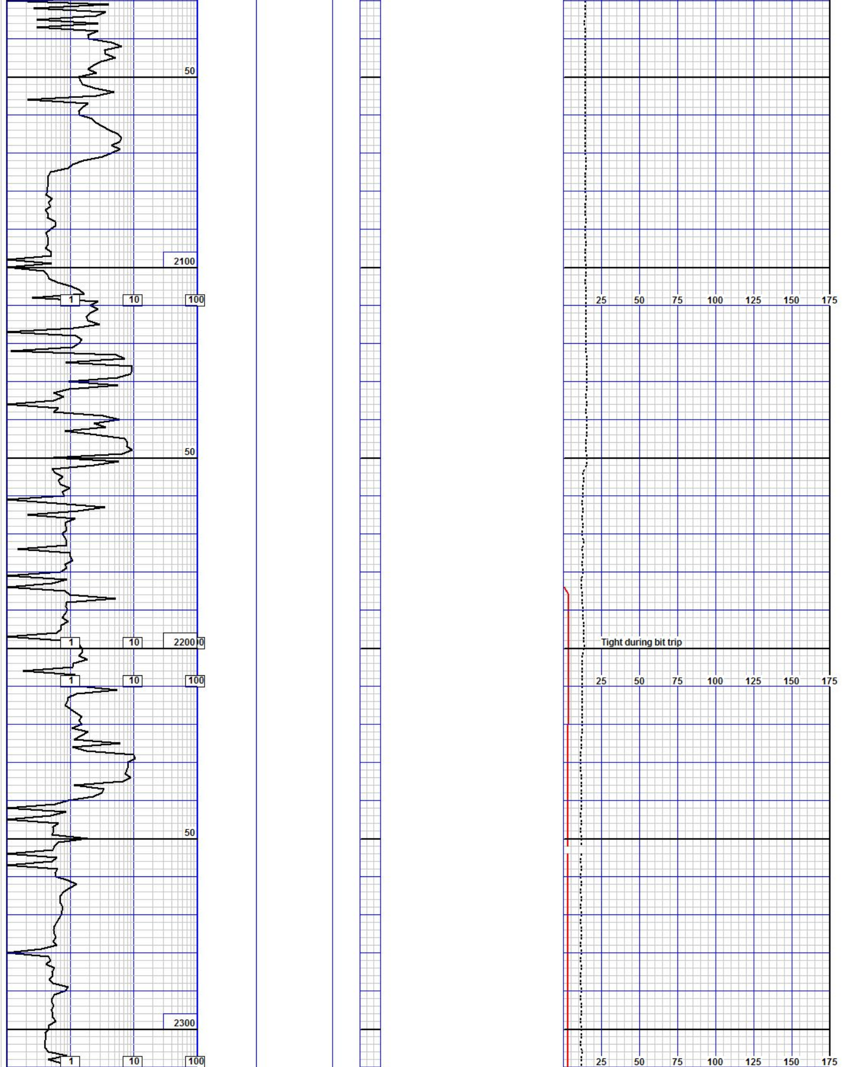
COMPANY :	GL Allison Oil Operations, Inc Greg Allison	**DATES LOGGED :**	8/31/2012 to 09/09/12	**GEOLOGIST:**	K.J BAILEY
WELL :	Younkin 21TATE	**DEPTHS LOGGED :**	1320 to 4740'		
LOCATION :	S21-T12-R32 2310 FNL, 330 FWL or _SW-SW-NW S21 T12W R32W	**GL :**	3041		
		KB :	3048		
	LOGAN Co., KANSAS	**UNIT No :**	Rig 10		
API NO. :	15-109-21122-00	**LOGGERS :**	LogTech Pioneer K.Bange		

Drill Rate Min/Ft | Por | Lithology | Flu | Cut | Gas Units

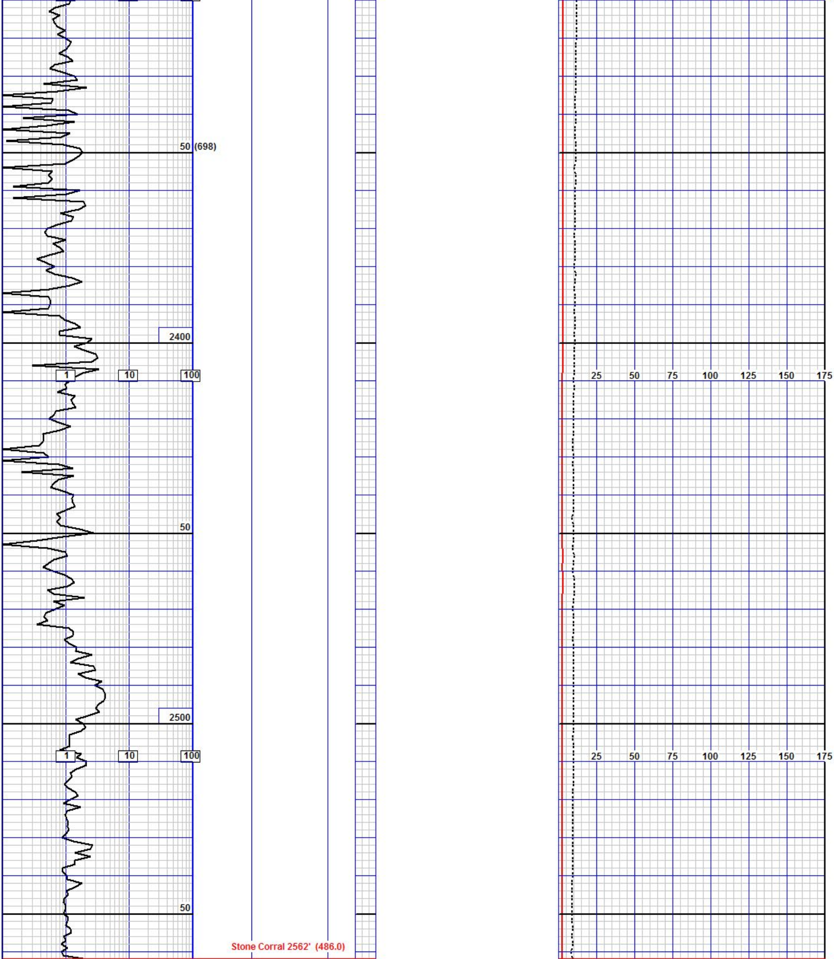


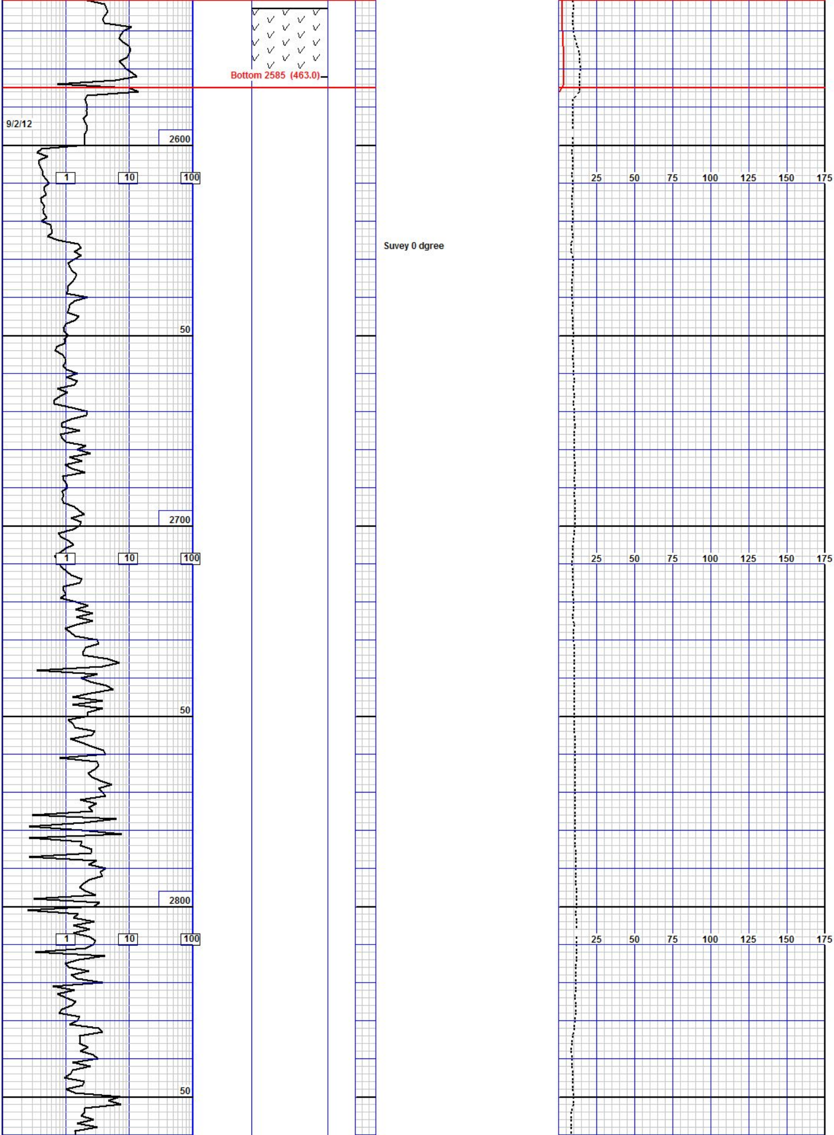




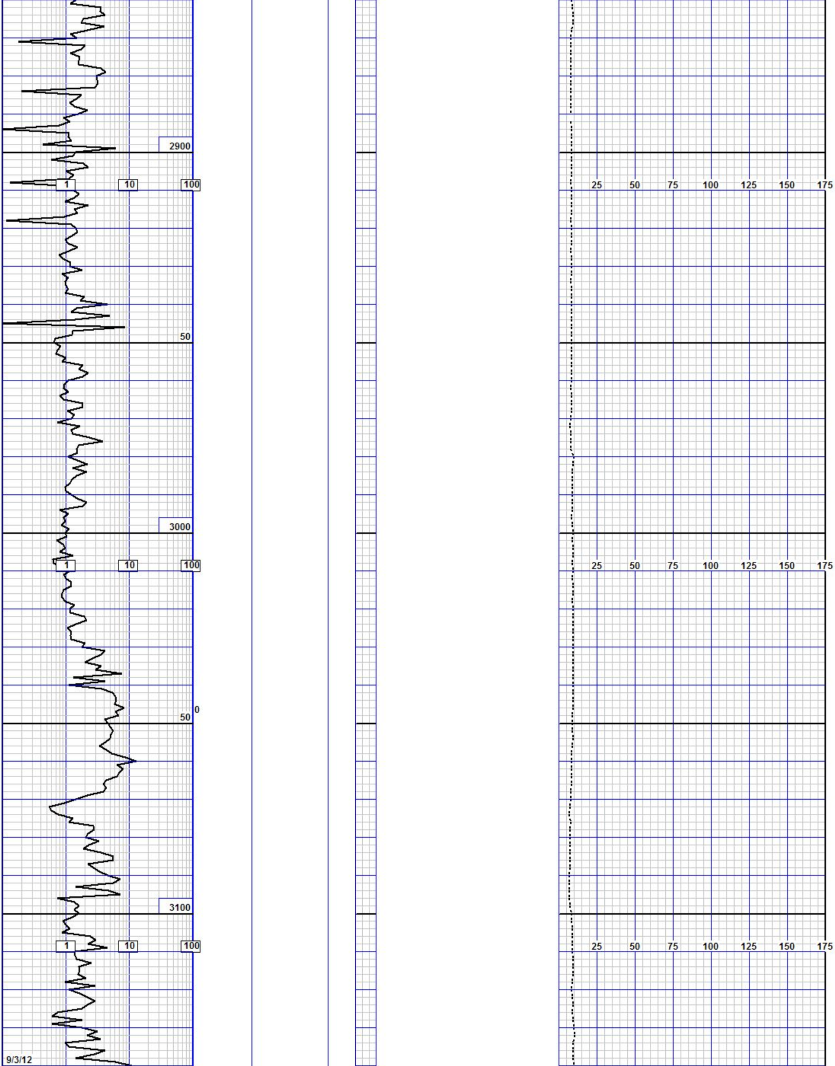


Tight during bit trip

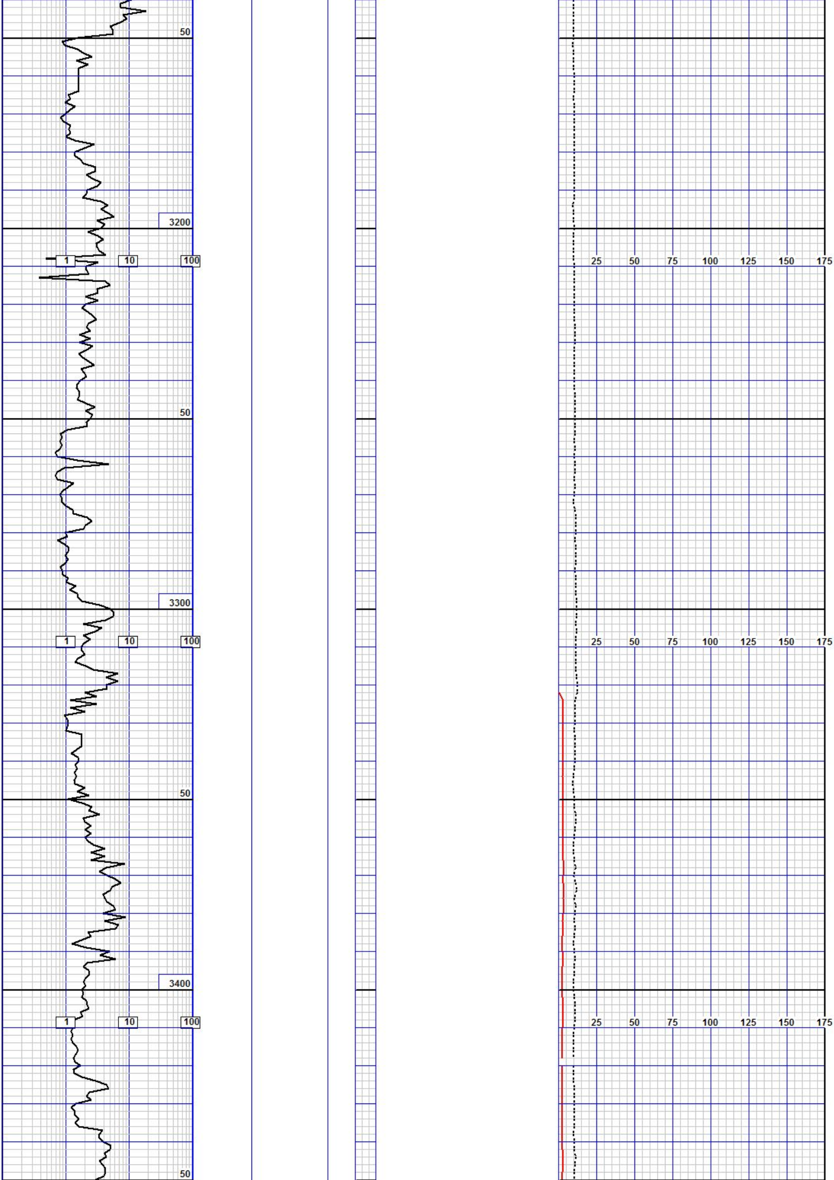


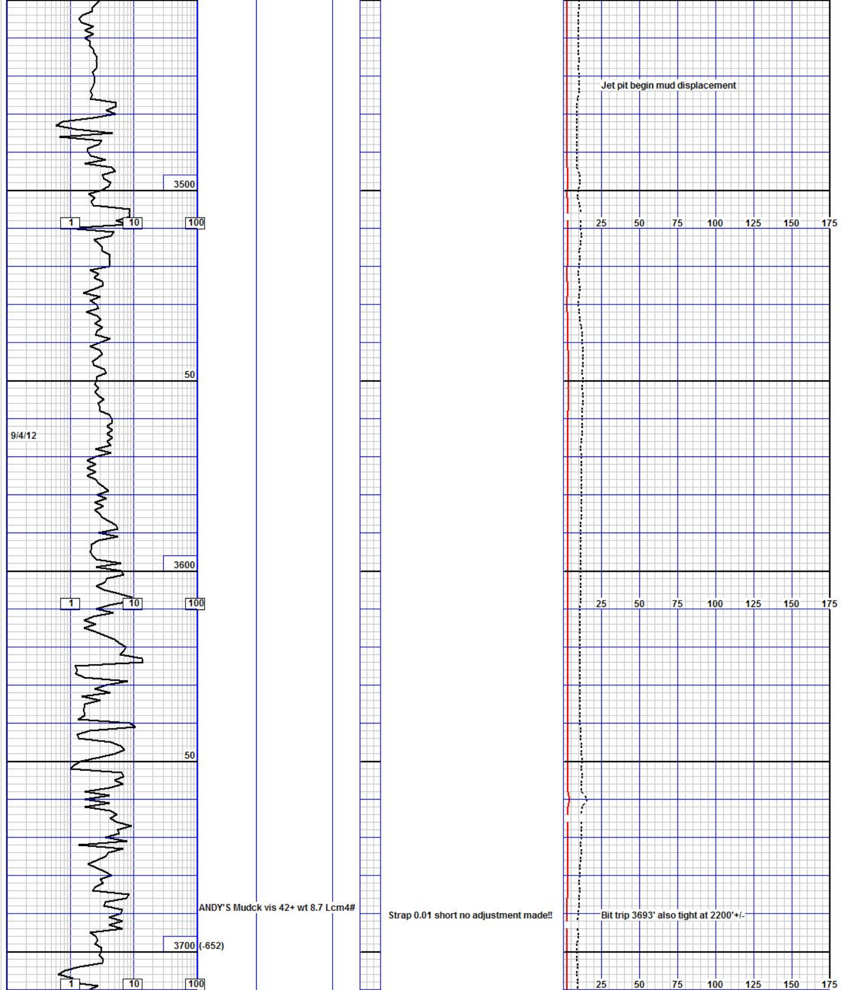

9/2/12

Suvey 0 dgree



9/3/12





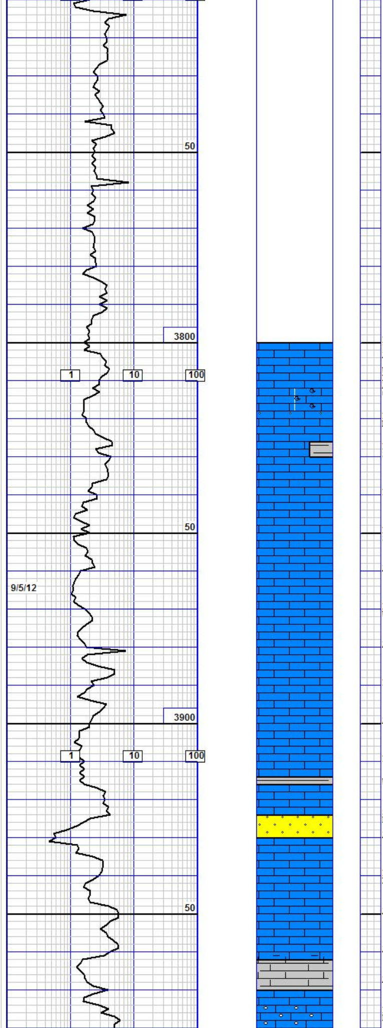
Jet pit begin mud displacement

9/4/12

ANDY'S Mudck vis 42+ wt 8.7 Lcm4#

Strap 0.01 short no adjustment made!!

Bit trip 3693' also tight at 2200'+/-



Start 10' wet/dry @3800'

LS DULL WHT-BUFF WHT NV PROSTY

AA

W/ DULL WHT FSSL-LS WHT XYLN LS

AA W/ LTTAN LS W/ MEDSS GRNS NO VSBL PRSTY

LS DULL WHT CHLKY WHT-MLKY

LS-SHLY W/ LT-TAN LS W/ SOME STAIN NVO NO O

LS LT TAN BRWN NVPRSTY

LS DULL WHT SOFT SOME GRY LMY SH

AA

LS WHT DULL WHT CHALKY W/ XYLN LS NVPRSTY

AA

LS LT GRY-GRY NVPRSTY

AA

LS LT-TAN

W/ DRKGRY SH

SS LS GRY FNGRN FRPRSTY NO VO

AA

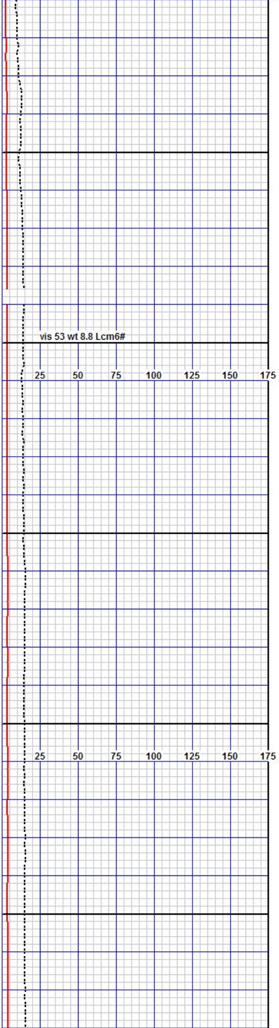
LS LT TAN-CRM WHT MICO-XYLEN NVO NVPRSTY

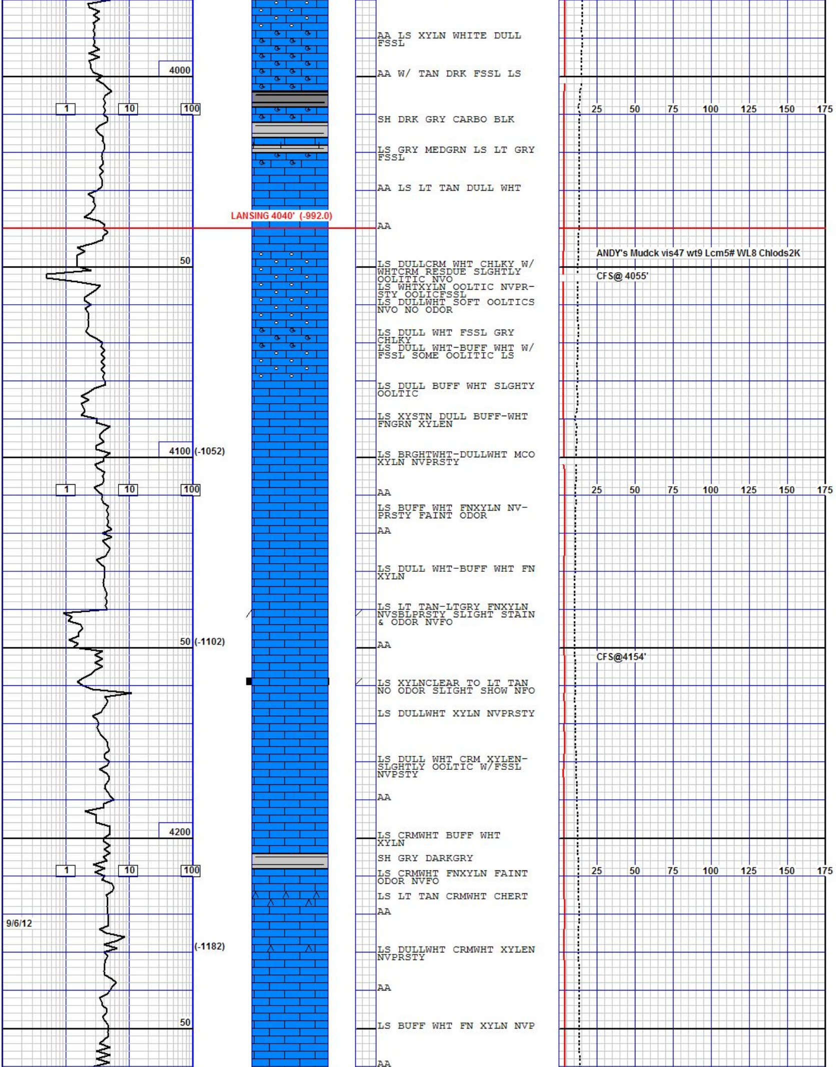
AA

AA BECOMING SHLY GRY LS

AA MILKY TAN RESDUE

LS GRY-DRGRY OOLITIC LS NO VSBLPRSTY





AA LS XYLN WHITE DULL FSSL

AA W/ TAN DRK FSSL LS

SH DRK GRY CARBO BLK

LS GRY MEDGRN LS LT GRY FSSL

AA LS LT TAN DULL WHT

LANSING 4040' (-992.0)

AA

ANDY's Mudck vis47 wt9 Lcm5# WL8 Chlods2K

LS DULLCRM WHT CHLKY W/ WHTCRM RESDUE SLGHTLY OOLITIC NVO

CFS@ 4055'

LS WHTXYLN OOLTIC NVPRSTY OOLICFSSL

LS DULLWHT SOFT OOLTICS NVO NO ODOR

LS DULL WHT FSSL GRY CHLKY

LS DULL WHT-BUFF WHT W/ FSSL SOME OOLITIC LS

LS DULL BUFF WHT SLGHTY OOLTIC

LS XYSTN DULL BUFF-WHT FNGRN XYLEN

LS BRGHTWHT-DULLWHT MCO XYLN NVPRSTY

AA

LS BUFF WHT FNXYLN NV-PRSTY FAINT ODOR

AA

LS DULL WHT-BUFF WHT FN XYLN

LS LT TAN-LTGRY FNXYLN NVSBLPRSTY SLIGHT STAIN & ODOR NVFO

AA

CFS@4154'

LS XYLNCLEAR TO LT TAN NO ODOR SLIGHT SHOW NFO

LS DULLWHT XYLN NVPRSTY

LS DULL WHT CRM XYLEN-SLGHTLY OOLTIC W/FSSL NVPSTY

AA

LS CRMWHT BUFF WHT XYLN

SH GRY DARKGRY

LS CRMWHT FNXYLN FAINT ODOR NVFO

LS LT TAN CRMWHT CHERT

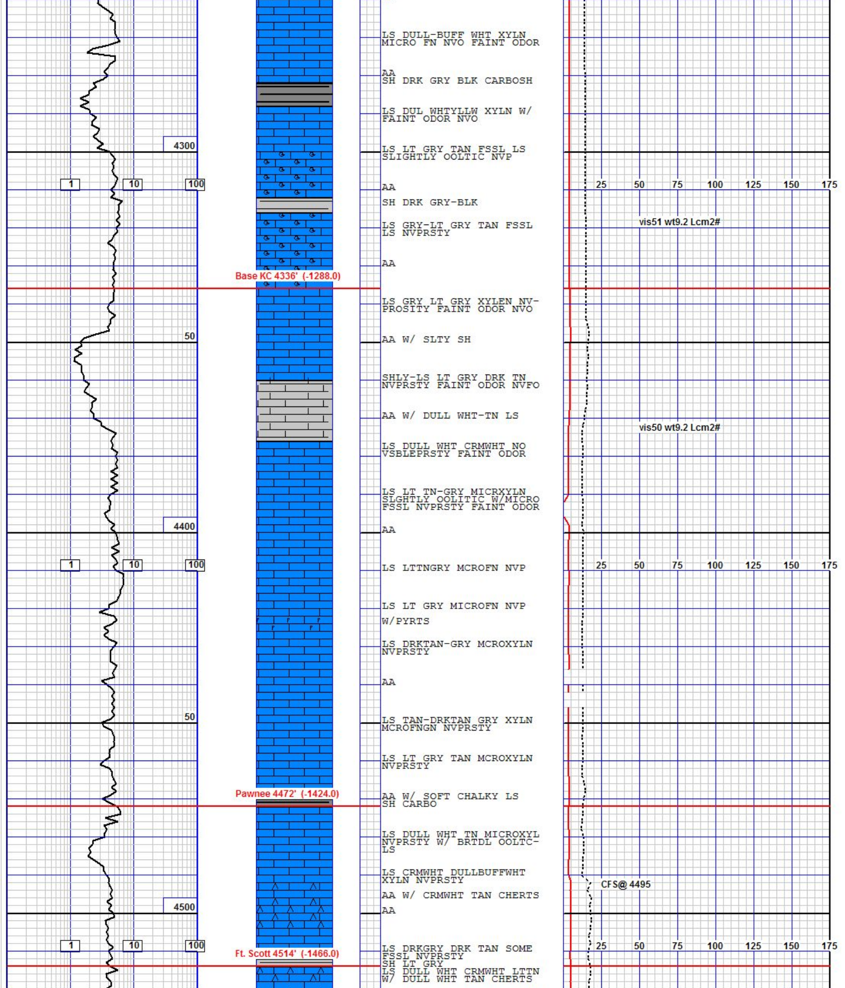
AA

LS DULLWHT CRMWHT XYLEN NVPRSTY

AA

LS BUFF WHT FN XYLN NVP

AA



LS DULL-BUFF WHT XYLN MICRO FN NVO FAINT ODOR

AA

SH DRK GRY BLK CARBOSH

LS DUL WHTYLLW XYLN W/ FAINT ODOR NVO

LS LT GRY TAN FSSL LS SLIGHTLY OOLTIC NVP

AA

SH DRK GRY-BLK

LS GRY-LT GRY TAN FSSL LS NVPRSTY

AA

Base KC 4336' (-1288.0)

LS GRY LT GRY XYLEN NVPROSITY FAINT ODOR NVO

AA W/ SLTY SH

SHLY-LS LT GRY DRK TN NVPRSTY FAINT ODOR NVFO

AA W/ DULL WHT-TN LS

LS DULL WHT CRMWHT NO VSBLEPRSTY FAINT ODOR

LS LT TN-GRY MICRXYLN SLGHTLY OOLITIC W/MICRO FSSL NVPRSTY FAINT ODOR

AA

LS LTTNGRY MCROFN NVP

LS LT GRY MICROFN NVP

W/PYRTS

LS DRKTAN-GRY MCROXYLN NVPRSTY

AA

LS TAN-DRKTAN GRY XYLN MCROFNGN NVPRSTY

LS LT GRY TAN MCROXYLN NVPRSTY

Pawnee 4472' (-1424.0)

AA W/ SOFT CHALKY LS SH CARBO

LS DULL WHT TN MICROXYL NVPRSTY W/ BRTDL OOLTC-LS

LS CRMWHT DULLBUFFWHT XYLN NVPRSTY

AA W/ CRMWHT TAN CHERTS

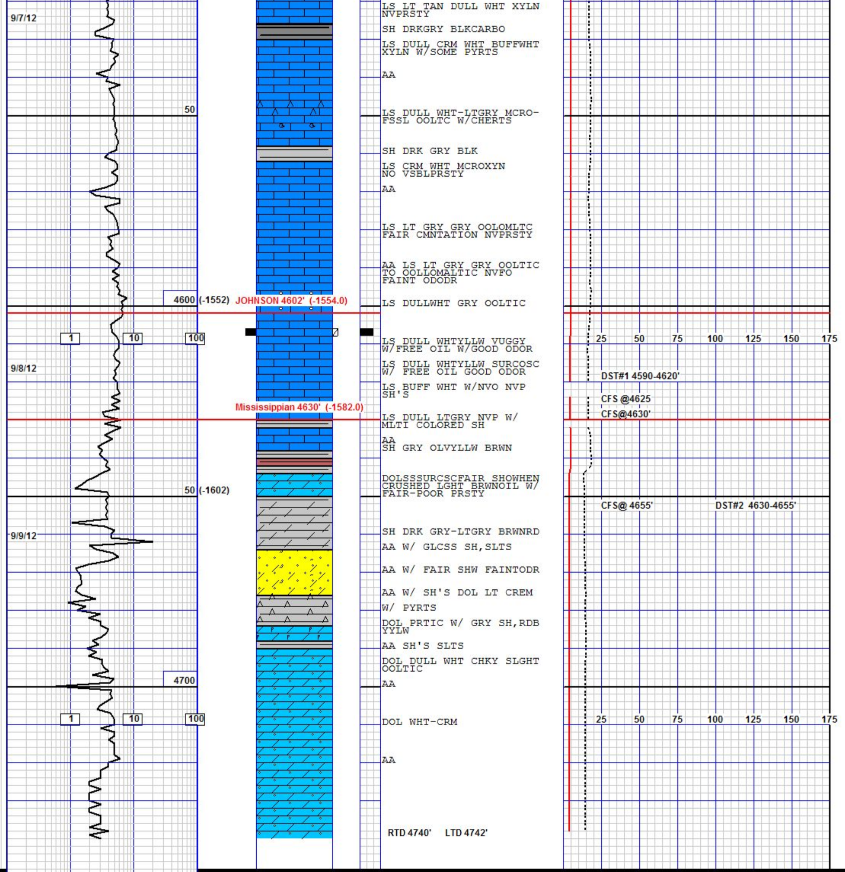
AA

Ft. Scott 4514' (-1466.0)

LS DRKGRY DRK TAN SOME FSSL NVPRSTY

SH LT GRY

LS DULL WHT CRMWHT LTTN W/ DULL WHT TAN CHERTS



LS LT TAN DULL WHT XYLN NVPRSTY

SH DRKGRY BLKCARBO

LS DULL CRM WHT BUFFWHT XYLN W/SOME PYRTS

AA

LS DULL WHT-LTGRY MCRO-FSSL OOLTC W/CHERTS

SH DRK GRY BLK

LS CRM WHT MCROXYN NO VSBLPRSTY

AA

LS LT GRY GRY OOLOMLTC FAIR CMNTATION NVPRSTY

AA LS LT GRY GRY OOLTIC TO OOLLOMALTIC NVFO FAINT ODODR

LS DULLWHT GRY OOLTIC

JOHNSON 4602' (-1554.0)

LS DULL WHTYLLW VUGGY W/FREE OIL W/GOOD ODOR

LS DULL WHTYLLW SURCOSC W/ FREE OIL GOOD ODOR

DST#1 4590-4620'

LS BUFF WHT W/NVO NVP SH'S

CFS @4625

Mississippian 4630' (-1582.0)

CFS@4630'

LS DULL LTGRY NVP W/ MLTI COLORED SH

AA

SH GRY OLVYLLW BRWN

DOLSSSURCSCFAIR SHOWHEN CRUSHED LGHT BRWNOIL W/ FAIR-POOR PRSTY

CFS@ 4655'

DST#2 4630-4655'

SH DRK GRY-LTGRY BRWNRD

AA W/ GLCSS SH,SLTS

AA W/ FAIR SHW FAINTODR

AA W/ SH'S DOL LT CREM

W/ PYRTS

DOL PRTIC W/ GRY SH,RDB YYLW

AA SH'S SLTS

DOL DULL WHT CHKY SLGHT OOLTIC

AA

DOL WHT-CRM

AA

RTD 4740' LTD 4742'