



**Scale 1:240 (5"=100') Imperial
Measured Depth Log**

Well Name: McELMO DOME GOODMAN POINT #20 WITH LATERAL SECTION
Location: SHL: 853' FSL & 1542' FEL, Section 34, T37N, R18W, NMPM
License Number: API **Region:** MONTEZUMA
Spud Date: 02/08/2012 **Drilling Completed:** 04/02/2012
Surface Coordinates: SHL: 853' FSL & 1542' FEL, Section 34, T37N, R18W, NMPM
Bottom Hole Coordinates: Horizontal Well, 281' FSL & 1401' FWL, 101 degrees azimuth from SHL (2000' lateral extension)
Ground Elevation (ft): 6640' **K.B. Elevation (ft):** 6660'
Logged Interval (ft): 5000' **To:** 9491' **Total Depth (ft):** 9491'
Formation: Leadville
Type of Drilling Fluid: Fresh Water / Brine / Nitrogen Infused Underbalance

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

OPERATOR

Company: KINDER MORGAN CO2 CO LP
Address:

GEOLOGIST

Name: KENNEDY RUSWAYI
Company: ABOVE ENTERPRISE
Address: 510 Old Lubbock Hwy
Snyder Tx 79549

Cores

DSTs








































































Comments

Nabors Rig 148
























ROCK TYPES

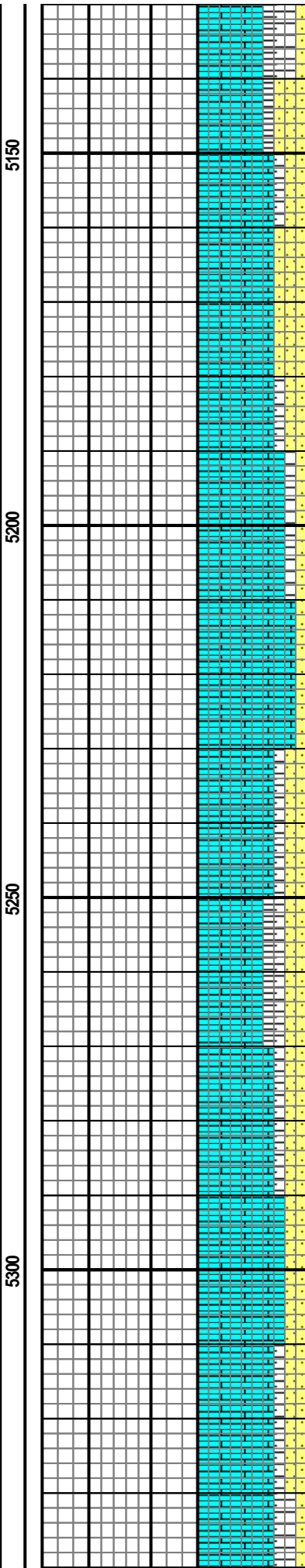
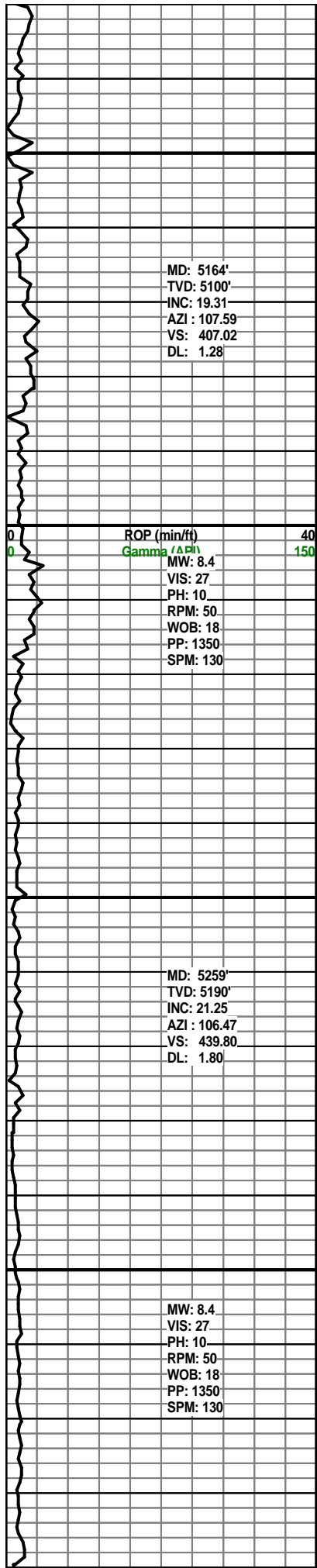
 Anhy	 Coal	 Lmst	 Shcol
 Bent	 Congl	 Meta	 Shgy
 Brec	 Dol	 Mrlst	 Slstst
 Cht	 Gyp	 Salt	 Ss
 Clyst	 Igne	 Shale	 Till

ACCESSORIES

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

OTHER SYMBOLS

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



SL FISS IP, SLTY, ARG MTX,
 EA, DULL, MOD CALC

SS: LTGY, TN, FRSTD, CLR IP,
 FRIA-CONS-MOD HD IP,
 VFN-FN GRN, SBRND-SBANG,
 MOD-W. SRTD, MOD CALC
 CMT, NO MIN FLOR, NO SHOW

MIDNIGHT DEPTH @ 5167'

LS: WH-OFFWH-DTYWH -LTGY-
 GY, SFT-FRM,
 MICRXLN-FXLN/SMTH/
 CRYPTXLN IP, SUCROIC DOL
 TXT/SDY, NO SHOW

SH: BRN-RDBRN, TN IP,
 SFT-MOD HD, BLKY-S/BLKY,
 SL FISS IP, SLTY, ARG MTX,
 EA, DULL, MOD CALC

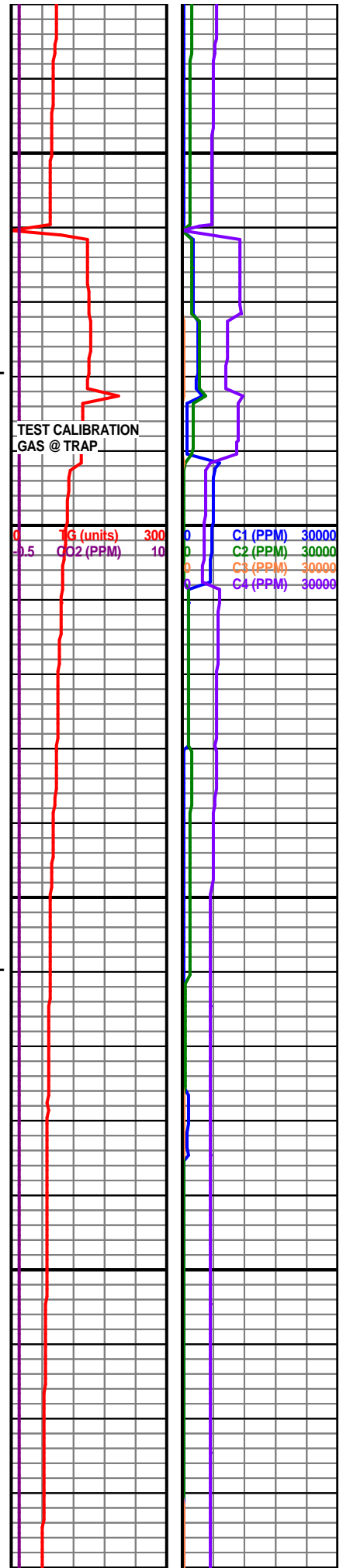
SS: LTGY, TN, OFF WHT IP,
 FRIA-CONS-MOD HD IP,
 VFN-FN GRN, SBRND-SBANG,
 MOD-W. SRTD, MOD CALC
 CMT, NO MIN FLOR, NO SHOW

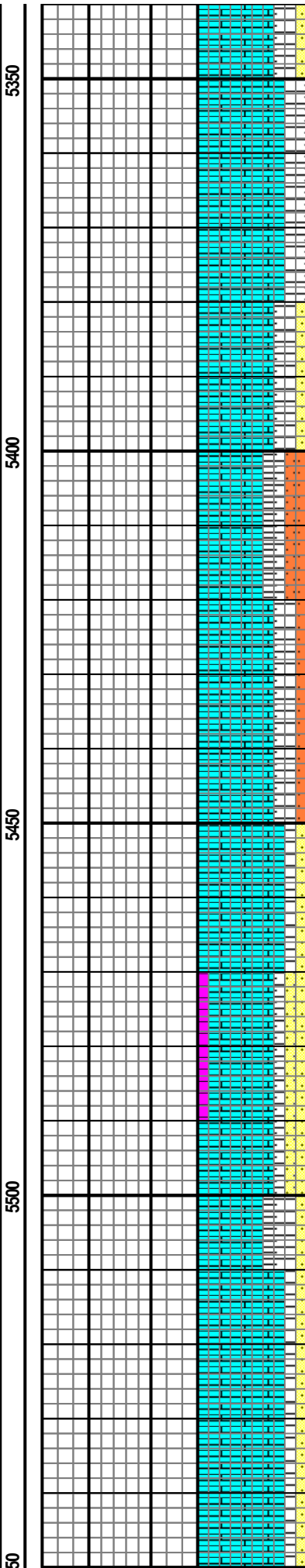
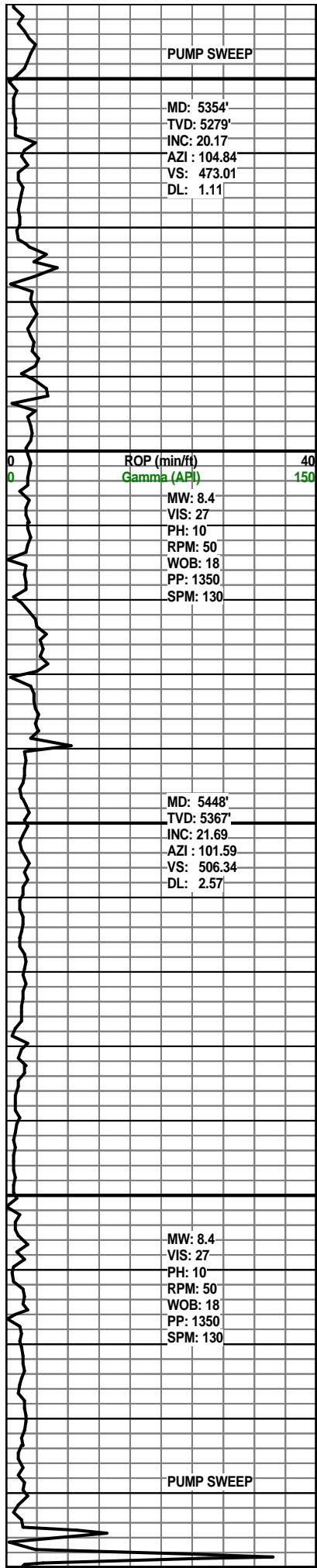
LS: WH-OFFWH-DTYWH -LTGY-
 GY, SFT-FRM,
 MICRXLN-FXLN/SMTH/
 CRYPTXLN IP, SUCROIC DOL
 TXT/SDY, NO SHOW

02/26/2012 (SUN) 5:00 AM
 @ 5290' MD

SH: BRN-RDBRN, TN IP,
 SFT-MOD HD, BLKY-S/BLKY,
 SL FISS IP, SLTY, ARG MTX,
 EA, DULL, MOD CALC

SS: LTGY, TN, OFF WHT IP,
 FRIA-CONS-MOD HD IP,
 VFN-FN GRN, SBRND-SBANG,
 MOD-W. SRTD, MOD CALC





CMT, NO MIN FLOR, NO SHOW

LS: WH-OFFWH-DTYWH -LTGY-GY, SFT-FRM, MICRXLN-FXLN/SMTH/CRYPTXLN IP, SUCROIC DOL TXT/SDY, NO SHOW

SH: BRN-RDBRN, TN IP, SFT-MOD HD, BLKY-S/BLKY, SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

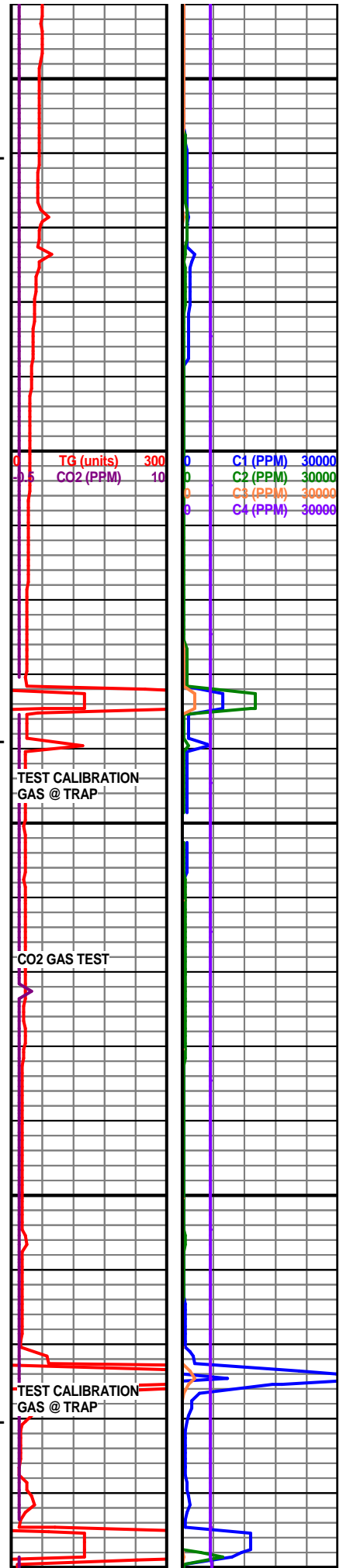
SLST: LTGY-GY, TN, FRIA-CONS-MOD HD IP, VFN GRN, SBRND-SBANG, MOD-W. SRTD, MOD CALC CMT

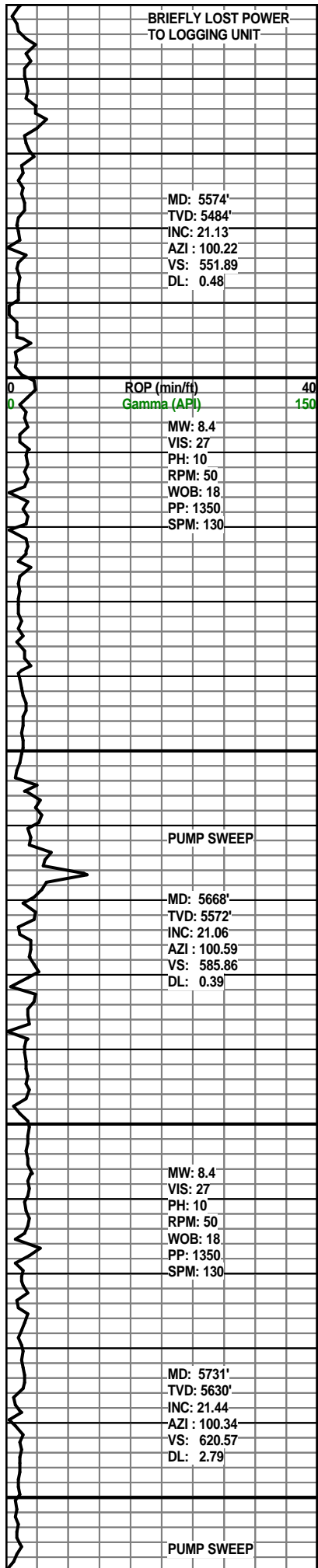
LS: WH-OFFWH-DTYWH -LTGY-GY, SFT-FRM, MICRXLN-FXLN/SMTH/CRYPTXLN IP, SUCROIC DOL TXT/SDY, NO SHOW

SH: BRN-RDBRN, LT GY-GY, SFT-MOD HD, BLKY-S/BLKY, SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

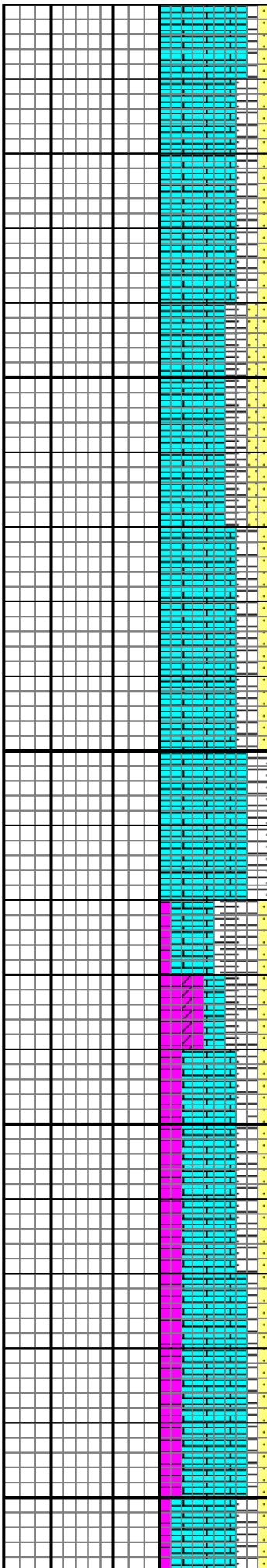
SS: LTGY, TN, OFF WHT IP, FRIA-CONS-MOD HD IP, VFN-FN GRN, SBRND-SBANG, MOD-W. SRTD, MOD CALC CMT, NO MIN FLOR, NO SHOW

LS: WH-OFFWH-DTYWH -LTGY-GY, SFT-FRM, MICRXLN-FXLN/SMTH/CRYPTXLN IP, SUCROIC DOL TXT/SDY, NO SHOW





5550
5600
5650
5700
5750



SH: BRN-RDBRN, LT GY-GY,
SFT-MOD HD, BLKY-S/BLKY,
SL FISS IP, SLTY, ARG MTX,
EA, DULL, MOD CALC

SS: LTGY, TN, OFF WHT IP,
FRIA-CONS-MOD HD IP,
VFN-FN GRN, SBRND-SBANG,
MOD-W. SRTD, MOD CALC
CMT, NO MIN FLOR, NO SHOW

MIDNIGHT DEPTH @ 5660'

LS: WH-OFFWH-DTYWH -LTGY-
GY, SFT-FRM, S/BLKY-S/FLKY,
MICRXLN-
FXLN/SMTH/ CRYPTXLN IP,
SUCROIC DOL TXT/SDY, NO
SHOW

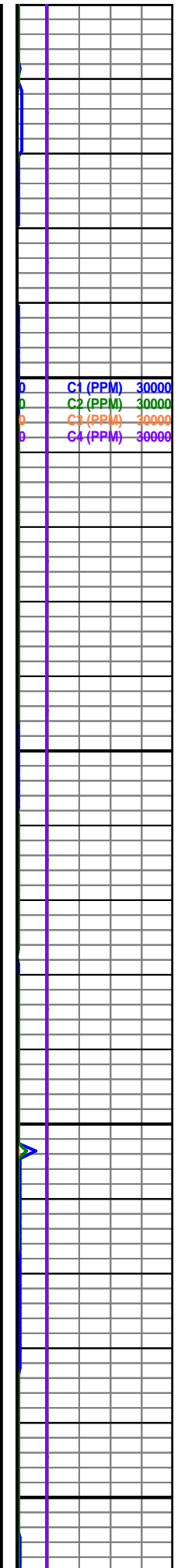
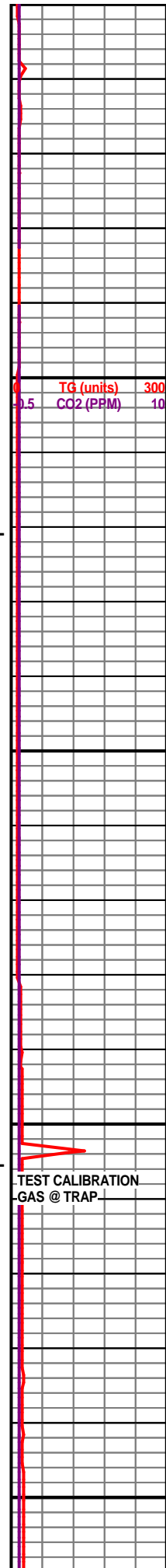
SH: BRN-RDBRN, LT GY-GY,
SFT-MOD HD, BLKY-S/BLKY,
SL FISS IP, SLTY, ARG MTX,
EA, DULL, MOD CALC

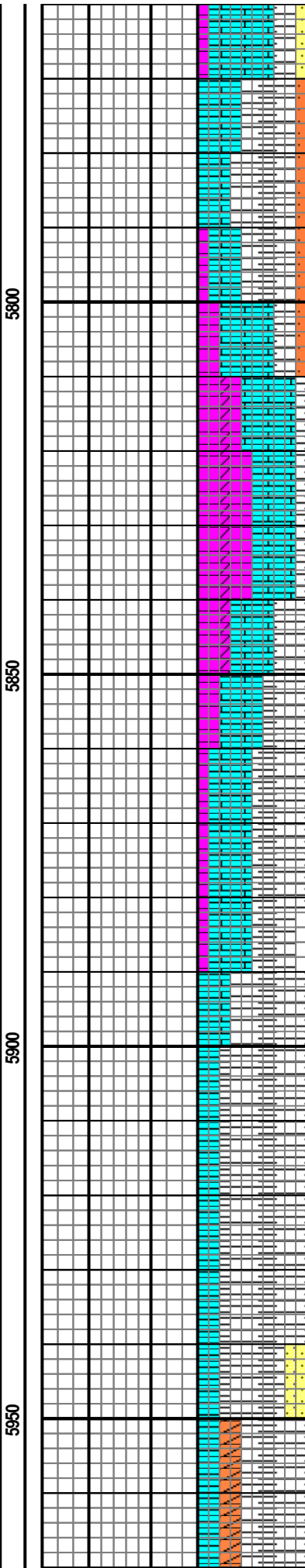
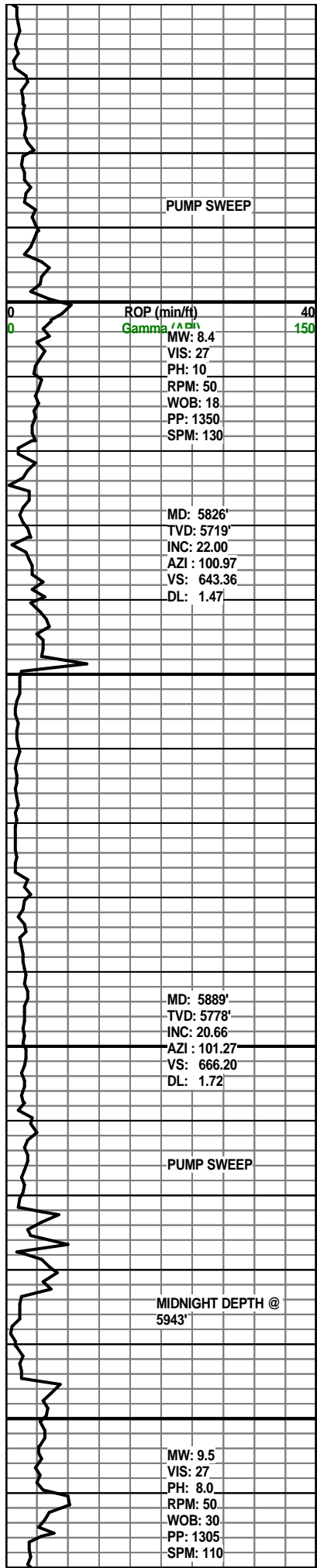
DOL: OFF WHT-WHT, TN IP,
MOD HD-HD, CRYPTXLN-
VFXLN, MICRXLN IP,
SUCROSIC TXT IP, TR INFER
FRAC-INTRXLN POR, LT BRT
CRM MIN FLOR, NO CUT

LS: WH-OFFWH-DTYWH -LTGY-
GY, SFT-FRM, S/BLKY-S/FLKY,
MICRXLN-
FXLN/SMTH/ CRYPTXLN IP,
SUCROIC DOL TXT/SDY, NO
SHOW

02/27/2012 (MON) 5:00 AM
@ 5729' MD

DOL: OFF WHT-WHT, TN IP,
MOD HD-HD, CRYPTXLN-
VFXLN, MICRXLN IP,
SUCROSIC TXT IP, TR INFER
FRAC-INTRXLN POR, LT BRT





FRAC-INTRXLN POR, LT BRT CRM MIN FLOR, NO CUT

SLST: LTGY-GY-DKGY, FRIA-CONS-MOD HD IP, VFN GRN, SBRND-SBANG, MOD-W. SRTD, MOD CALC CMT

SH: GY-DKGY-BLK, SFT-MOD HD, BLKY-S/BLKY, SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD-V. CALC>> MARL

DOL: OFF WHT-WHT, TN IP, MOD HD-HD, CRYPTXLN-VFXLN, MICRXLN IP, SUCROSIC TXT IP, TR INFER FRAC-INTRXLN POR, LT BRT CRM MIN FLOR, NO CUT

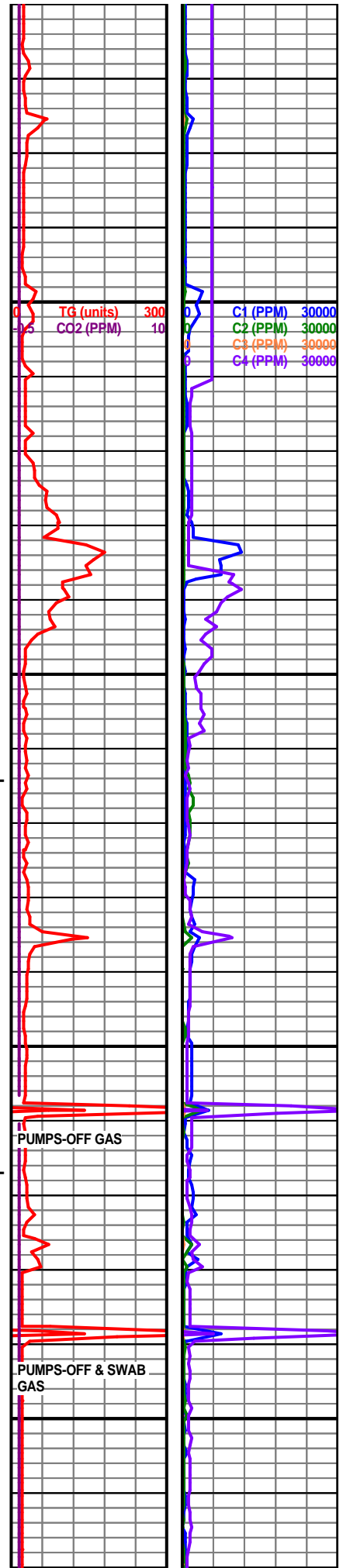
LS: WH-OFFWH-DTYWH-LTGY-GY, SFT-FRM, S/BLKY-S/FLKY, MICRXLN-FXLN/SMTH/ CRYPTXLN IP, MARL IP, NO SHOW

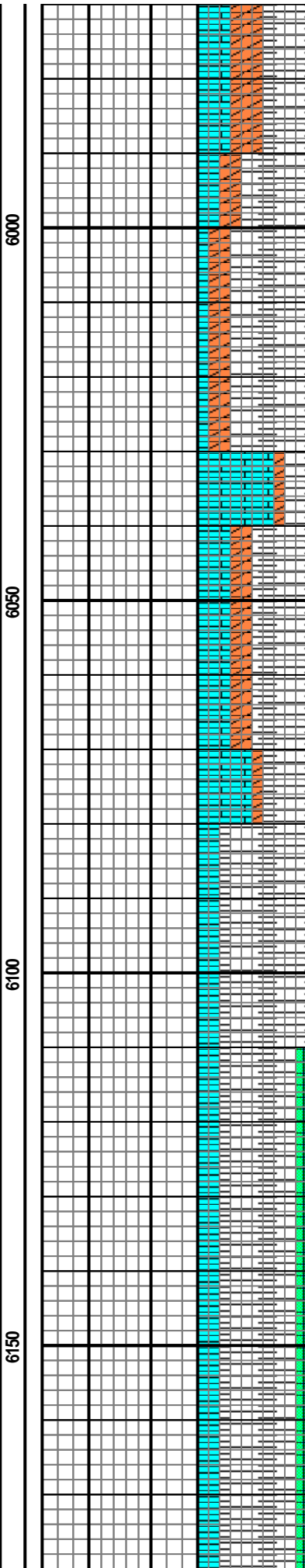
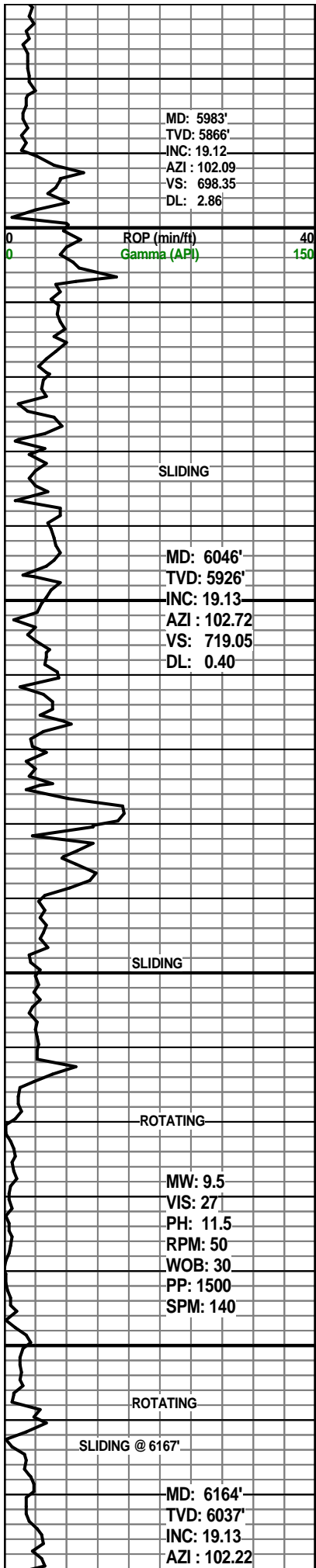
SH: GY-DKGY-BLK, SFT-MOD HD, BLKY-S/BLKY, SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD-V. CALC>> MARL

LS: WH-OFFWH-DTYWH-LTGY-GY, SFT-FRM, S/BLKY-S/FLKY, MICRXLN-FXLN/SMTH/ CRYPTXLN IP, MARL IP, NO SHOW

DISPLACE FRESH WATER WITH BRINE @ 5943'

ANHY: LYGY, OFF WHT, TN, FRM-MOD HD, SHINY SUGARY ENCRUSTED FXLN, NO SHOW





FN GRN TXT, FXLN, NO SHOW

02/28/2012 (TUE) 6:00 AM @ 5984' MD

SH: GY-DKGY-BLK, SFT-MOD HD, BLKY-S/BLKY, SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD-V. CALC>> MARL

LS: WH-OFFWH-DTYWH -LTGY-GY, SFT-FRM, S/BLKY-S/FLKY, MICRXLN-FXLN/SMTH/ CRYPTXLN IP, MARL IP, NO SHOW

ANHY: LYG, OFF WHT, TN, FRM-MOD HD, BLK VEINS, SHINY SUGARY FN GRN TXT, FXLN, NO SHOW

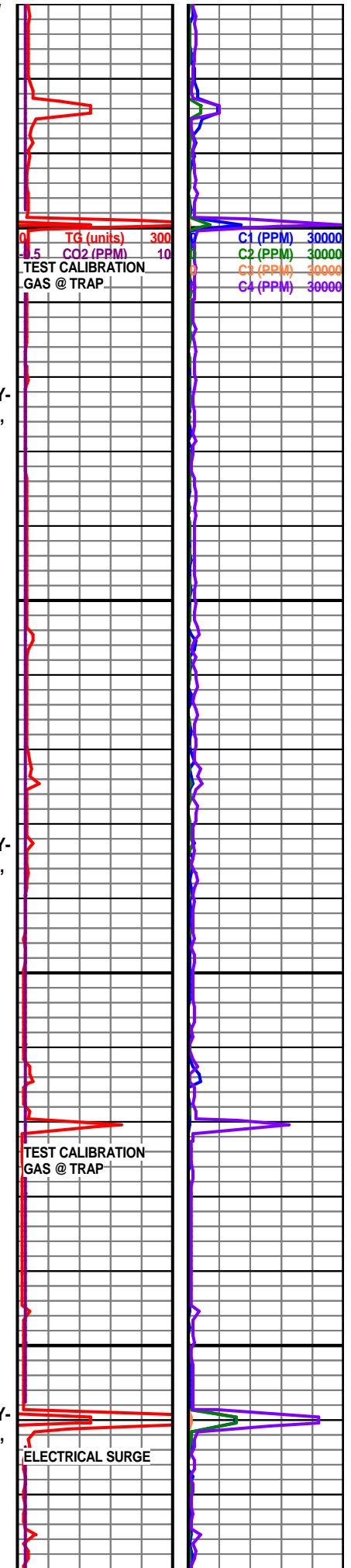
SH: GY-DKGY-BLK, SFT-MOD HD, BLKY-S/BLKY, SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD-V. CALC>> MARL

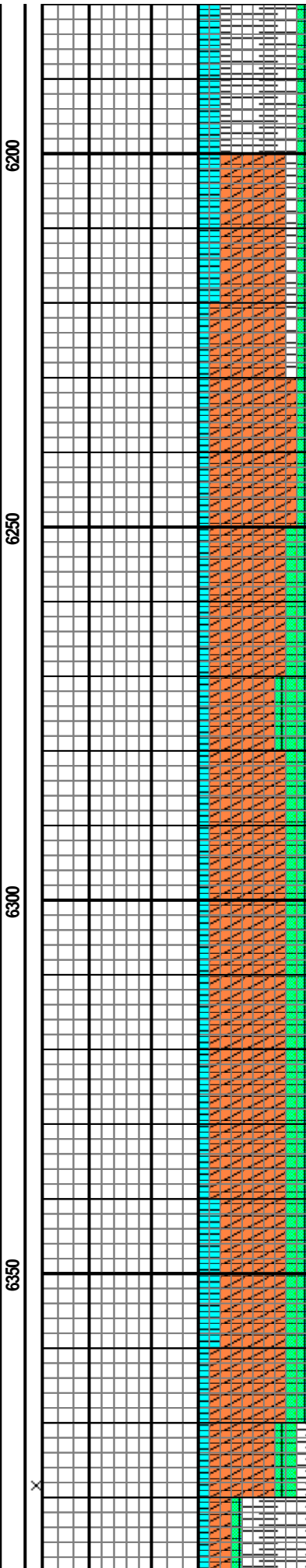
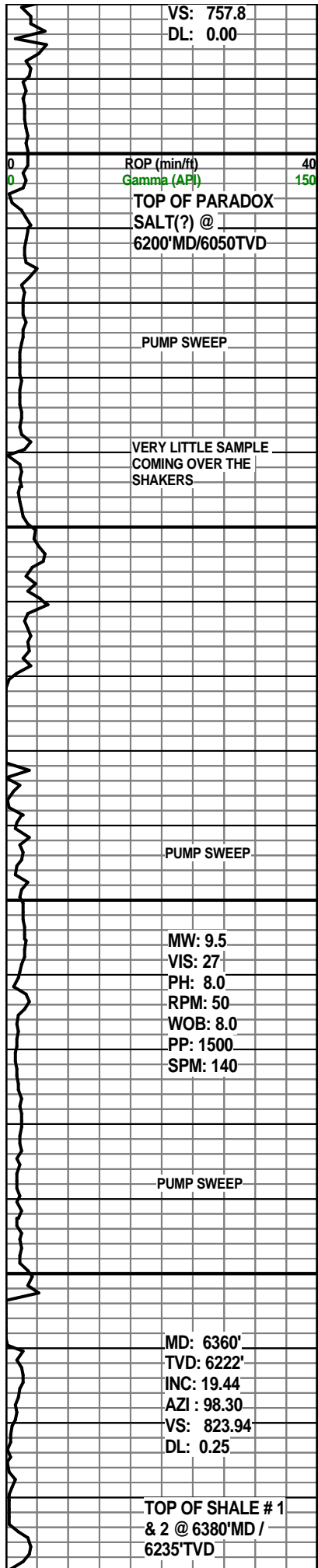
LS: WH-OFFWH-DTYWH -LTGY-GY, SFT-FRM, S/BLKY-S/FLKY, MICRXLN-FXLN/SMTH/ CRYPTXLN IP, MARL IP, NO SHOW

SA: OFFWH-WH-TRNSLCNT CLR, FRM-BRITTLE, BLKY -SPLNTRY, CRYPTXLN, SMOOTH

SH: GY-DKGY-BLK, SFT-MOD HD, BLKY-S/BLKY, SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD-V. CALC>> MARL

LS: WH-OFFWH-DTYWH -LTGY-GY, SFT-FRM, S/BLKY-S/FLKY, MICRXLN-FXLN/SMTH/ CRYPTXLN IP, MARL IP, NO SHOW





SA: OFFFWH-WH-TRNSLCNT CLR, FRM-BRITTLE, BLKY -SPLNTRY, CRYPTXLN, SMOOTH
02/29/2012 (WED) 6:00 AM @ 6195' MD

ANHY: TRNSL, TRNSP, TN, OFF WHT, FRM-MOD HD, SHINY SUGARY VFN GRN TXT, CRYPTOXLN-VFXLN, NO SHOW

LS: WH-OFFFWH-DTYWH -LTGY-GY, SFT-FRM, S/BLKY-S/FLKY, MICRXLN-FXLN/SMTH/ CRYPTXLN IP, MARL IP, NO SHOW

SA: OFFFWH-WH-TRNSLCNT CLR, FRM-BRITTLE, BLKY -SPLNTRY, CRYPTXLN, SMOOTH

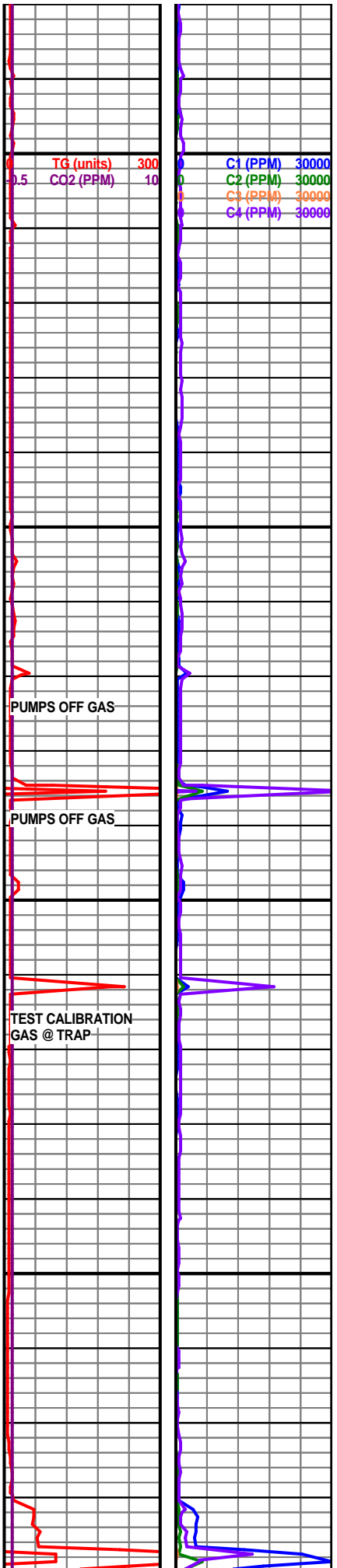
ANHY: TRNSL, TRNSP, TN, OFF WHT, FRM-MOD HD, SHINY SUGARY VFN GRN TXT, CRYPTOXLN-VFXLN, NO SHOW

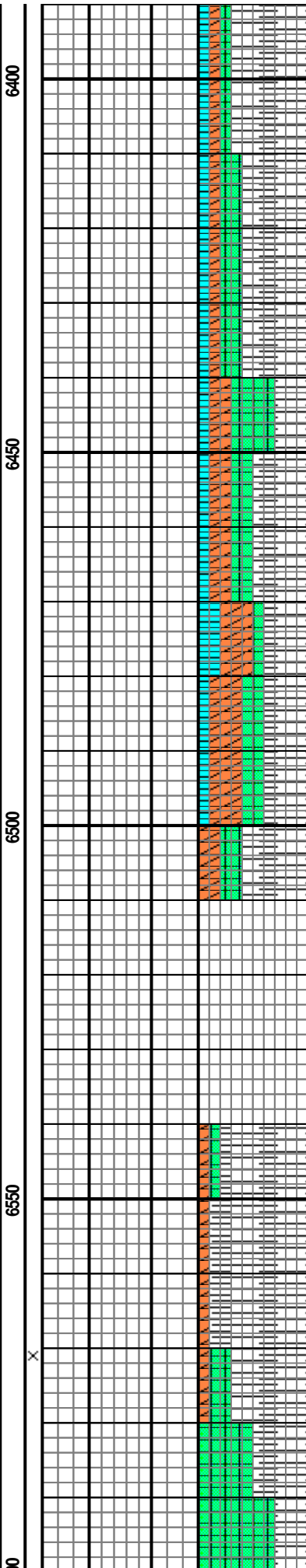
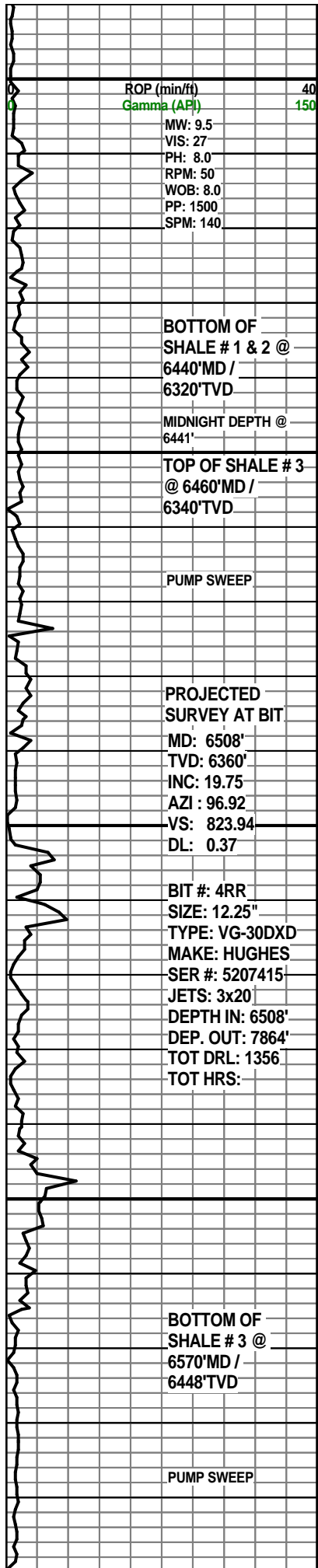
LS: WH-OFFFWH-DTYWH -LTGY-GY, SFT-FRM, S/BLKY-S/FLKY, MICRXLN-FXLN/SMTH/ CRYPTXLN IP, MARL IP, NO SHOW

SA: OFFFWH-WH-TRNSLCNT CLR, FRM-BRITTLE, BLKY -SPLNTRY, CRYPTXLN, SMOOTH

ANHY: TRNSL, TRNSP, TN, OFF WHT, FRM-MOD HD, SHINY SUGARY VFN GRN TXT, CRYPTOXLN-VFXLN, NO SHOW

SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC





SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

SA: OFFWH-WH-TRNSLCNT CLR, FRM-BRITTLE, BLKY -SPLNTRY, CRYPTXLN, SMOOTH

LS: WH-OFFWH-DTYWH -LTGY-GY, SFT-FRM, S/BLKY-S/FLKY, MICRXLN-FXLN/SMTH/ CRYPTXLN IP, MARL IP, NO SHOW

SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

SA: OFFWH-WH-TRNSLCNT CLR, FRM-BRITTLE, BLKY -SPLNTRY, CRYPTXLN, SMOOTH

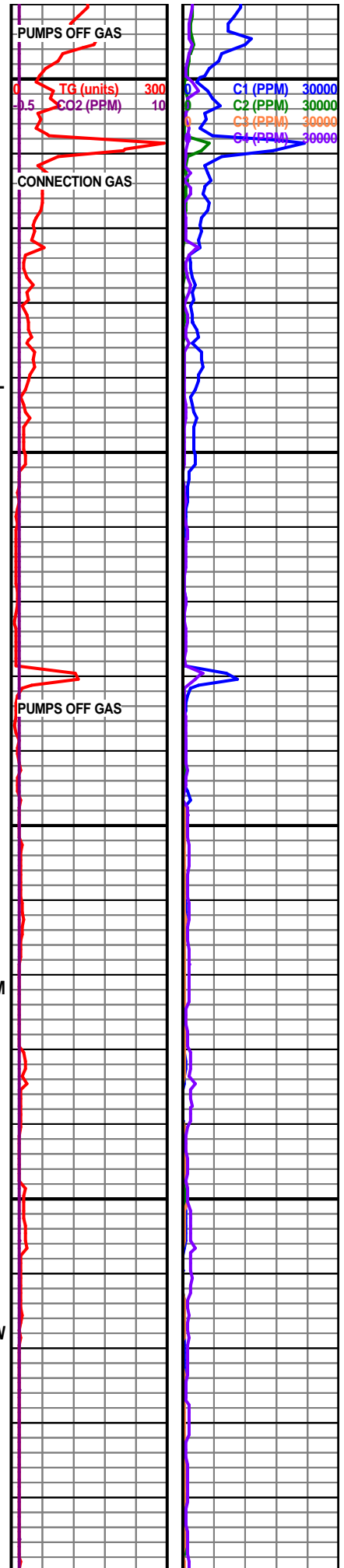
TOOH @ 6508' TO L/D DIRECTIONAL TOOLS. P/U NEW BHA & TIH

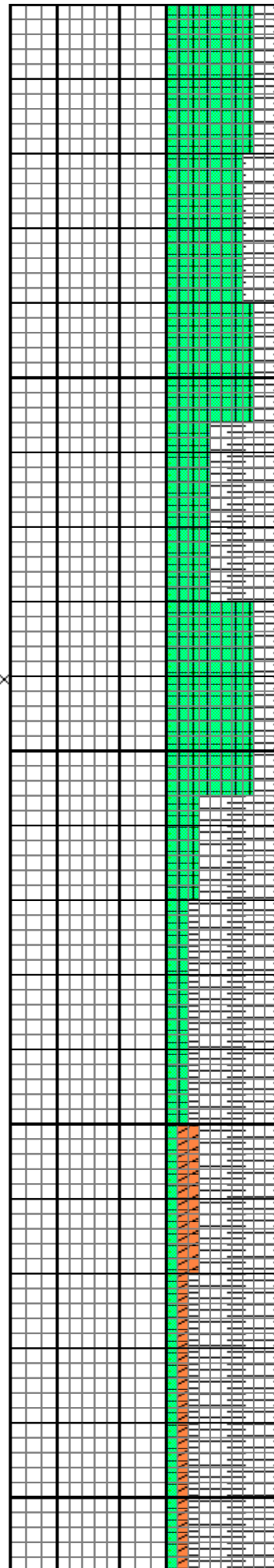
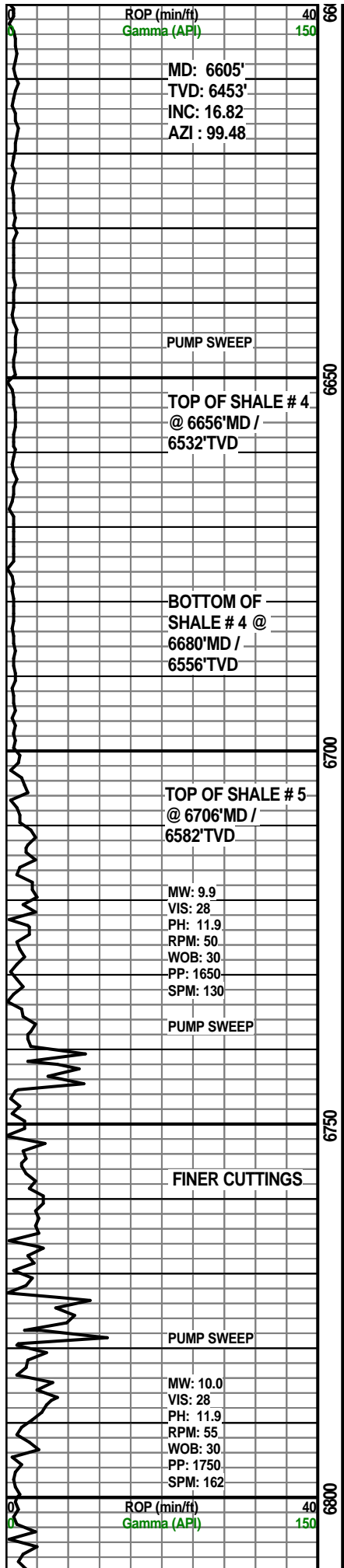
NO CUTTINGS SAMPLES FROM 6510' TO XX' DUE TO BY-PASSING POSSUM-BELLY/SHAKERS

SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

ANHY: TRNSL, TRNSP, TN, OFF WHT, FRM-MOD HD, SHINY SUGARY VFN GRN TXT, CRYPTOXLN-VFXLN, NO SHOW

SA: OFFWH-WH-TRNSLCNT CLR, BLK IP, FRM-BRITTLE, BLKY -SPLNTRY, CRYPTXLN, SMOOTH





SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

SA: OFFFWH-WH-TRNSLCNT CLR, BLK IP, FRM-BRITTLE, BLKY-SPLNTRY, CRYPTXLN, SMOOTH

SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

SA: OFFFWH-WH-TRNSLCNT CLR, BLK IP, FRM-BRITTLE, BLKY-SPLNTRY, CRYPTXLN, SMOOTH

SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

03/03/2012 (SAT) 6:00 AM @ 6725' MD

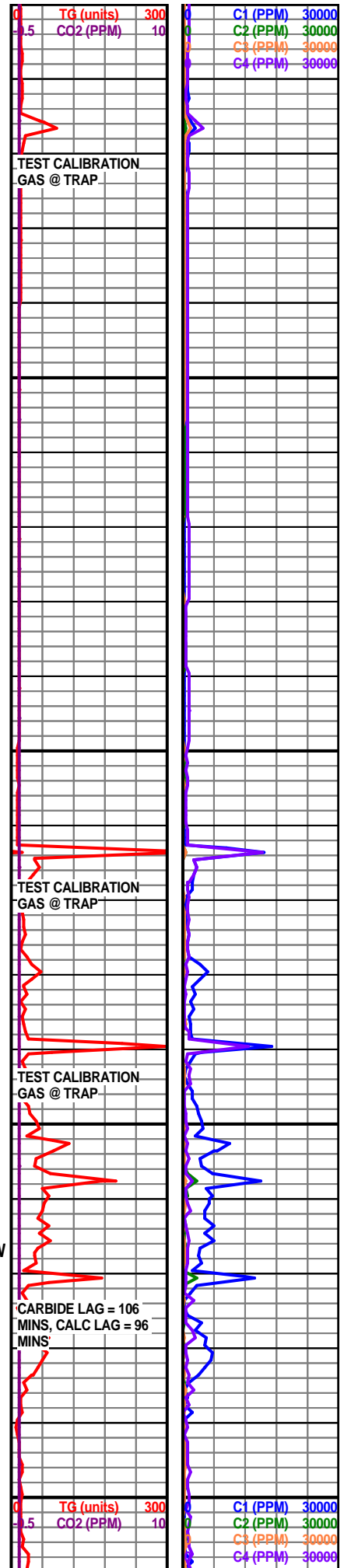
SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

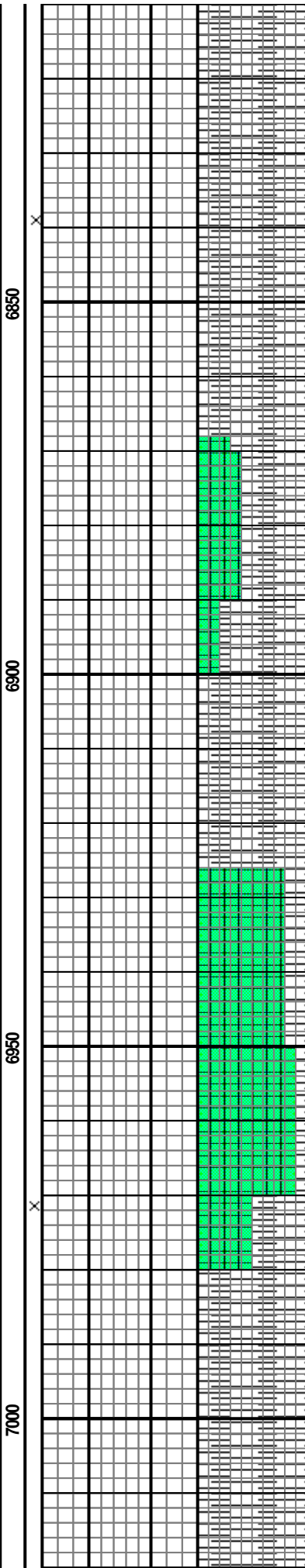
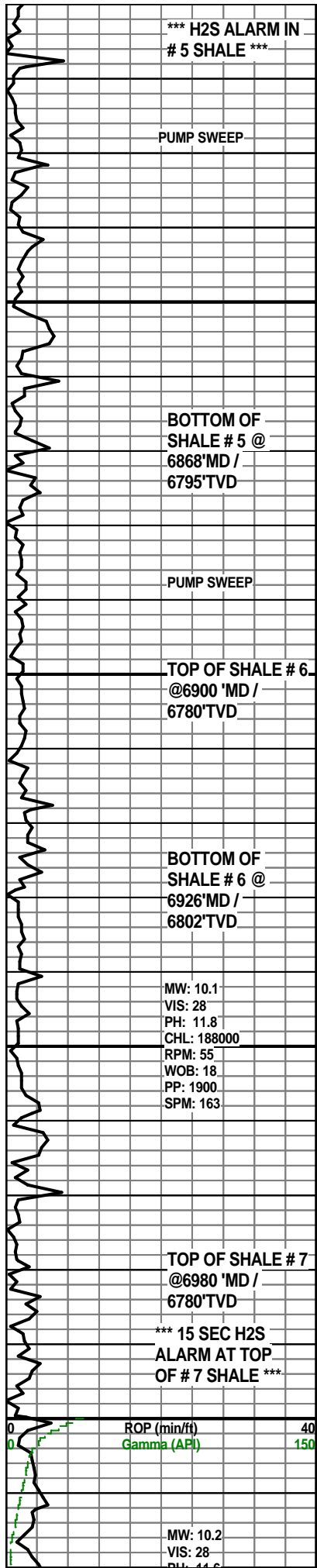
ANHY: TRNSL, TRNSP, TN, OFF WHT, FRM-MOD HD, SHINY SUGARY VFN GRN TXT, CRYPTOXLN-VFXLN, NO SHOW

SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

03/04/2012 (SUN) 6:00 AM @ 6796' MD

SH: RI K-ORGANIC, SFT-MOD





SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC, LESS FINER CUTTINGS

SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC, LESS FINER CUTTINGS

SA: OFFWH-WH-TRNSLNT CLR, BLK IP, FRM-BRITTLE, BLKY-SPLNTRY, CRYPTXLN, SMOOTH

SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC, LESS FINER CUTTINGS

03/05/2012 (MON) 6:00 AM @ 6920' MD

SA: OFFWH-WH-TRNSLNT CLR, BLK IP, FRM-BRITTLE, BLKY-SPLNTRY, CRYPTXLN, SMOOTH

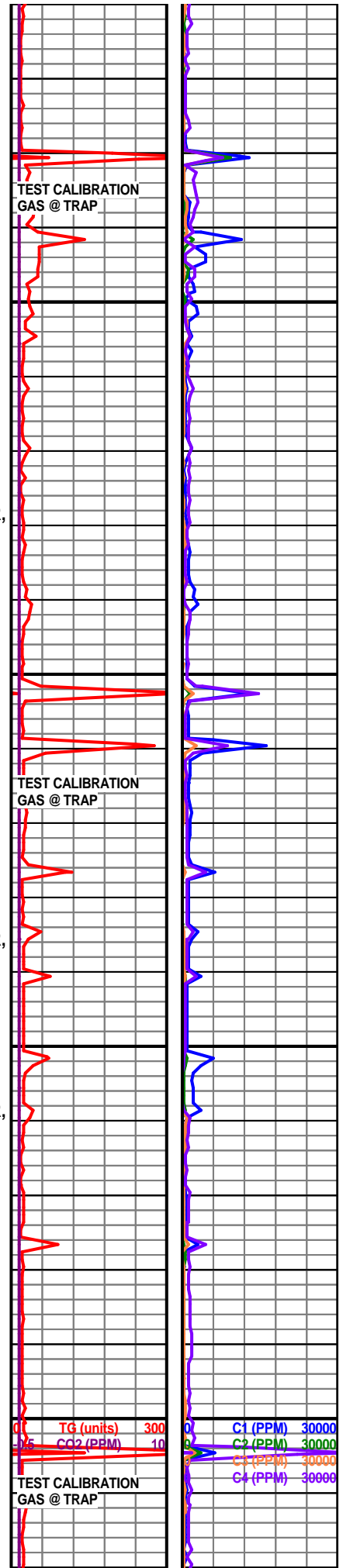
SA: OFFWH-WH-TRNSLNT CLR, BLK IP, FRM-BRITTLE, BLKY-SPLNTRY, CRYPTXLN, SMOOTH

SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

SH: BLK-ORGANIC, SFT-MOD



FR: 11.0
 CHL: 179000
 RPM: 65
 WOB: 18
 PP: 1900
 SPM: 163

**BOTTOM OF
 SHALE # 7 @
 7058'MD /
 6931'TVD**

MD: 7077'
 TVD: 6914'
 INC: 7.51
 AZI : 93.52

MW: 10.2
 VIS: 28
 PH: 11.6
 CHL: 179000
 RPM: 65
 WOB: 18
 PP: 1900
 SPM: 163

MD: 7171'
 TVD: 7007'
 INC: 5.98
 AZI : 92.93

ROP (min/ft) 40
 Gamma (API) 150

MW: 10.2
 VIS: 28
 PH: 11.6

7050

7100

7150

7200

HD, S/BLKY-SL FISS IP, SLTY,
 ARG MTX, EA, DULL, MOD
 CALC

SH: BLK-ORGANIC, SFT-MOD
 HD, S/BLKY-SL FISS IP, SLTY,
 ARG MTX, EA, DULL, MOD
 CALC

SA: OFFFWH-WH-TRNSLNT CLR,
 BLK IP, FRM-BRITTLE,
 BLKY-SPLNTRY, CRYPTXLN,
 SMOOTH

03/06/2012 (TUE) 6:00 AM
 @ 7085' MD

SH: BLK-ORGANIC, SFT-MOD
 HD, S/BLKY-SL FISS IP, SLTY,
 ARG MTX, EA, DULL, MOD
 CALC

SA: OFFFWH-WH-TRNSLNT CLR,
 BLK IP, FRM-BRITTLE,
 BLKY-SPLNTRY, CRYPTXLN,
 SMTH

SA: OFFFWH-WH-TRNSLNT CLR,
 BLK IP, FRM-BRITTLE,
 BLKY-SPLNTRY, CRYPTXLN,
 SMTH

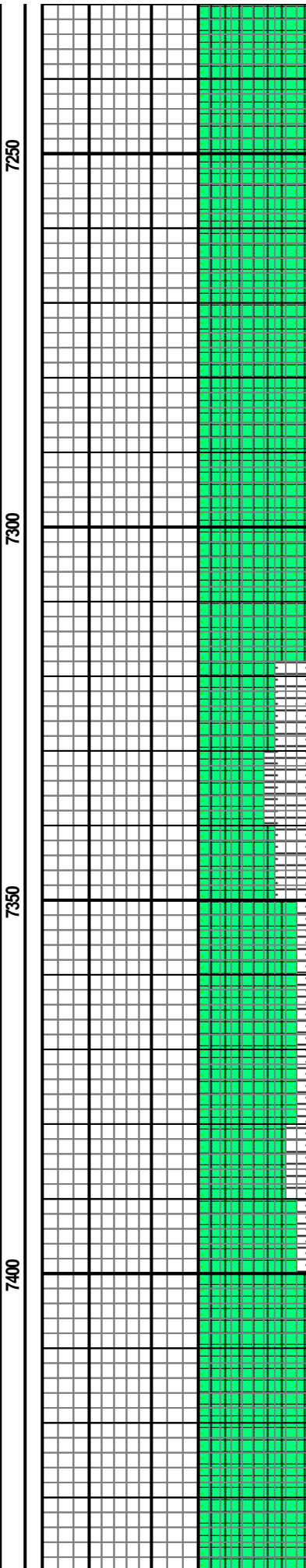
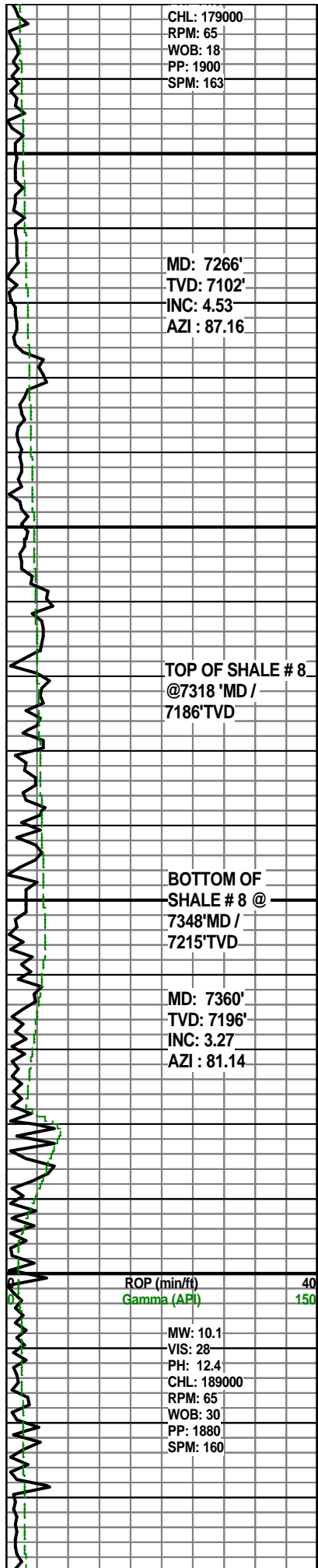
SA: OFFFWH-WH-TRNSLNT CLR,
 BLK IP, FRM-BRITTLE,
 BLKY-SPLNTRY, CRYPTXLN,
 SMTH

SA: OFFFWH-WH-TRNSLNT CLR,
 BLK IP, FRM-BRITTLE,
 BLKY-SPLNTRY, CRYPTXLN,
 SMTH

SA: OFFFWH-WH-TRNSLNT CLR,
 BLK IP, FRM-BRITTLE,
 BLKY-SPLNTRY, CRYPTXLN,
 SMTH

TG (units) 300
 CO2 (PPM) 10

C1 (PPM) 30000
 C2 (PPM) 30000
 C3 (PPM) 30000
 C4 (PPM) 30000



SMTH

SA: OFFFWH-WH-TRNSLNT CLR, BLK IP, FRM-BRITTLE, BLKY-SPLNTRY, CRYPTXLN, SMTH

SA: OFFFWH-WH-TRNSLNT CLR, BLK IP, FRM-BRITTLE, BLKY-SPLNTRY, CRYPTXLN, SMTH

SA: OFFFWH-WH-TRNSLNT CLR, BLK IP, FRM-BRITTLE, BLKY-SPLNTRY, CRYPTXLN, SMTH

SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

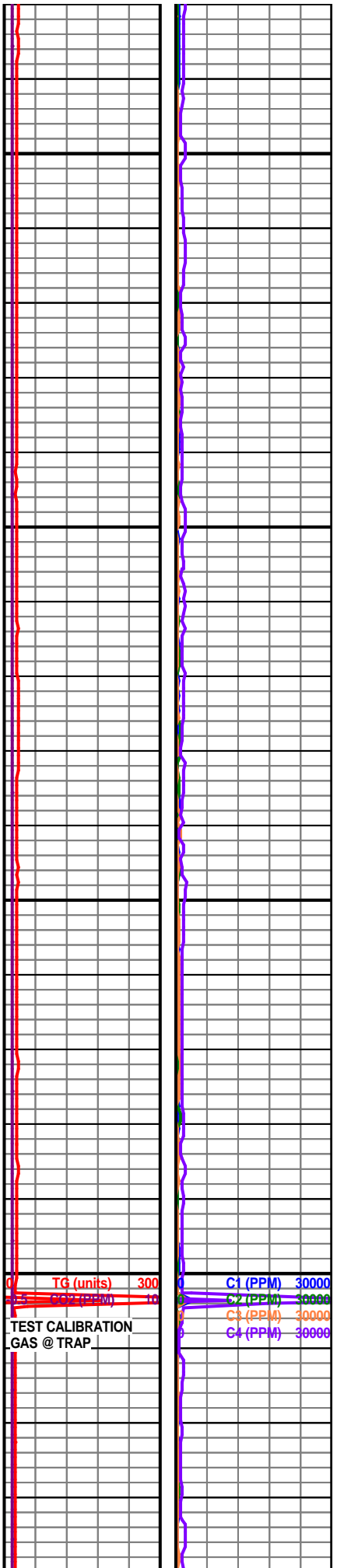
SA: OFFFWH-WH-TRNSLNT CLR, BLK IP, FRM-BRITTLE, BLKY-SPLNTRY, CRYPTXLN, SMTH

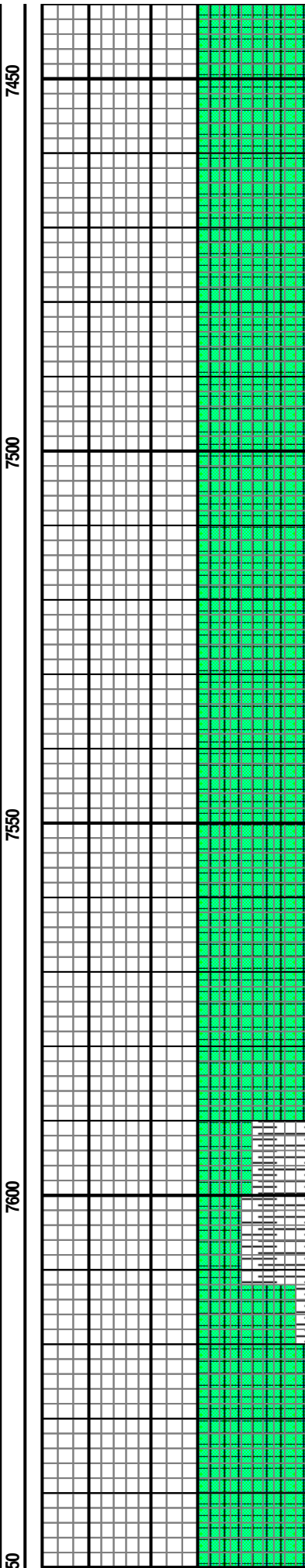
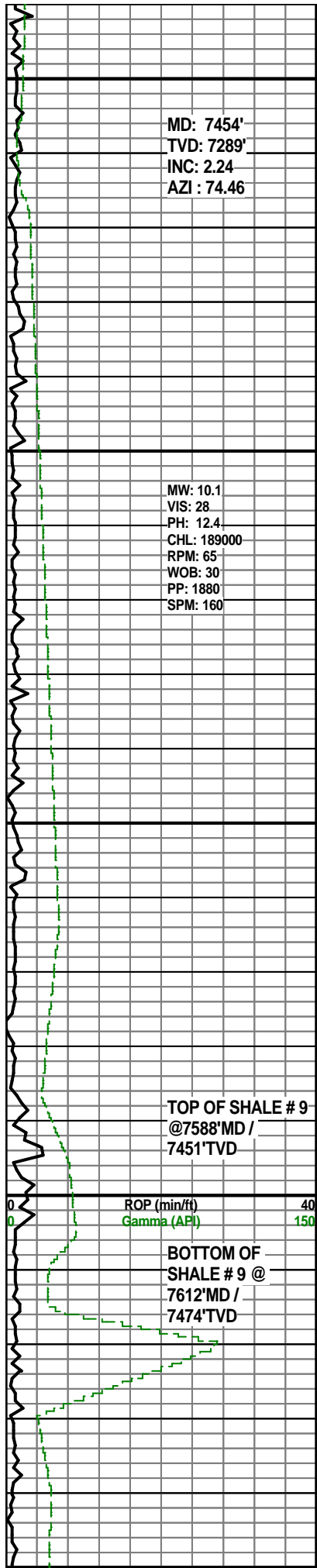
SH: BLK-ORGANIC, SFT-MOD HD, S/BLKY-SL FISS IP, SLTY, ARG MTX, EA, DULL, MOD CALC

SA: OFFFWH-WH-TRNSLNT CLR, BLK IP, FRM-BRITTLE, BLKY-SPLNTRY, CRYPTXLN, SMTH

SA: OFFFWH-WH-TRNSLNT CLR, BLK IP, FRM-BRITTLE, BLKY-SPLNTRY, CRYPTXLN, SMTH

03/07/2012 (WED) 6:00 AM @ 7424' MD





SA: OFFFW-WH-TRNSLNT CLR,
BLK IP, FRM-BRITTLE,
BLKY-SPLNTRY, CRYPTXLN,
SMTH

SA: OFFFW-WH-TRNSLNT CLR,
BLK IP, FRM-BRITTLE,
BLKY-SPLNTRY, CRYPTXLN,
SMTH

SA: OFFFW-WH-TRNSLNT CLR,
BLK IP, FRM-BRITTLE,
BLKY-SPLNTRY, CRYPTXLN,
SMTH

SA: OFFFW-WH-TRNSLNT CLR,
BLK IP, FRM-BRITTLE,
BLKY-SPLNTRY, SMTH,
CRYPTXLN, AMOR

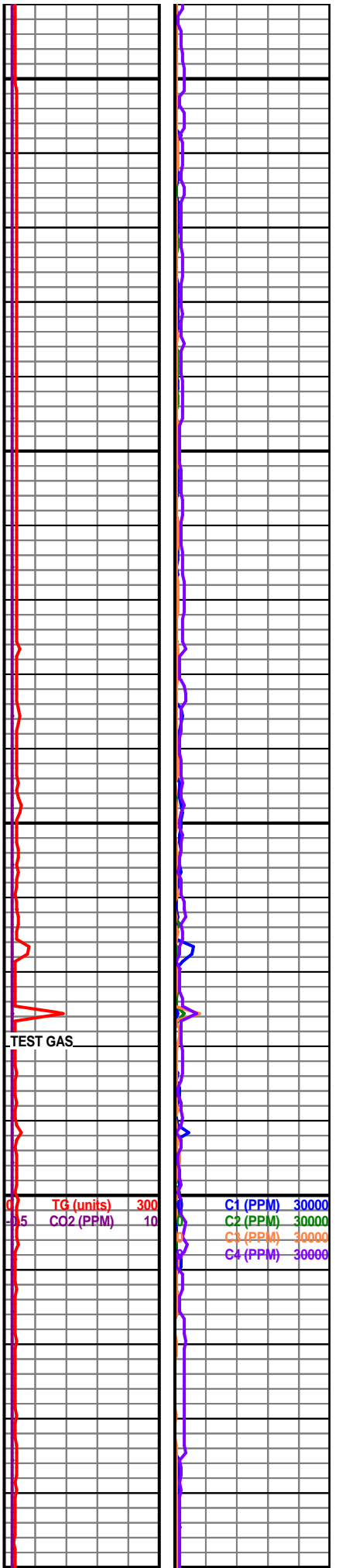
SA: OFFFW-WH-TRNSLNT CLR,
BLK IP, FRM-BRITTLE,
BLKY-SPLNTRY, SMTH,
CRYPTXLN, AMOR

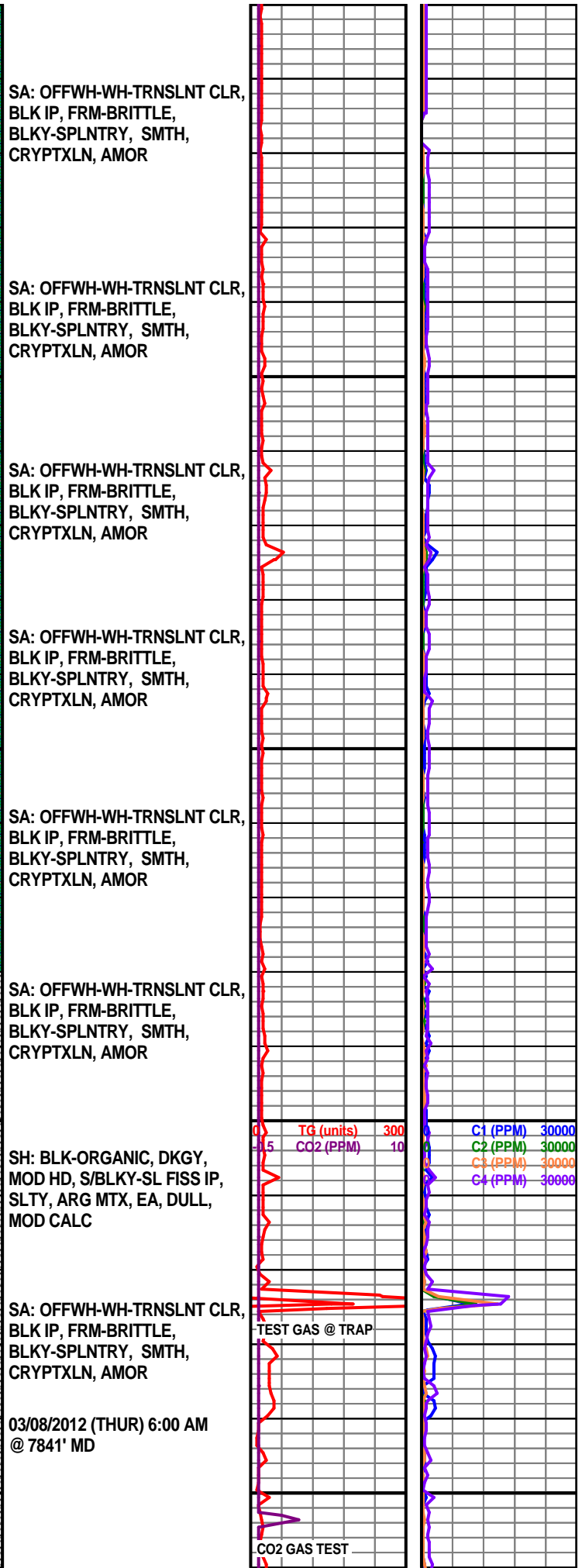
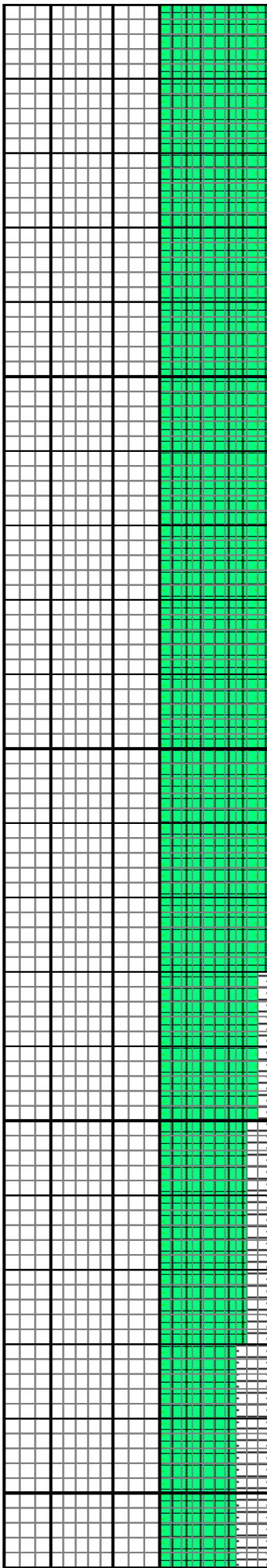
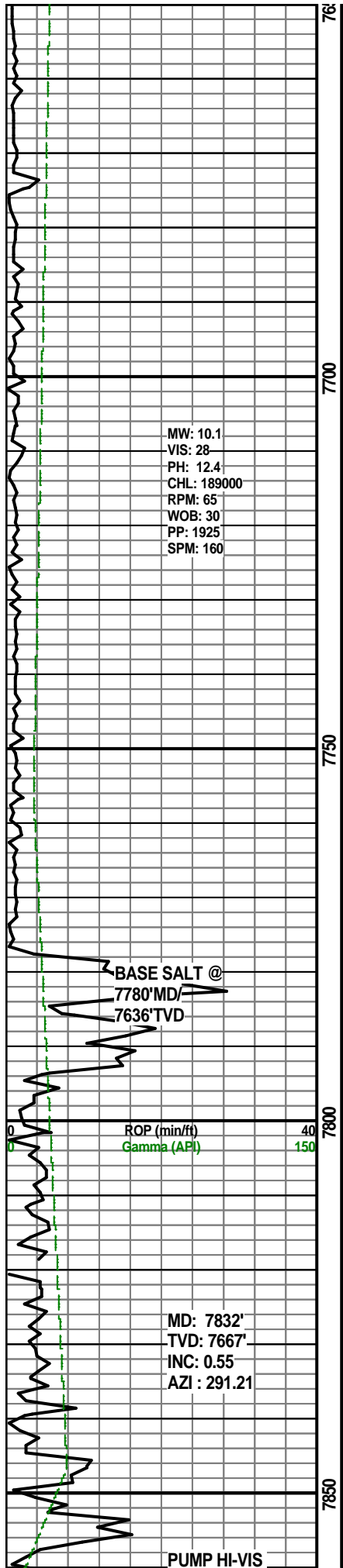
SA: OFFFW-WH-TRNSLNT CLR,
BLK IP, FRM-BRITTLE,
BLKY-SPLNTRY, SMTH,
CRYPTXLN, AMOR

SH: BLK-ORGANIC, SFT-MOD
HD, S/BLKY-SL FISS IP, SLTY,
ARG MTX, EA, DULL, MOD
CALC

SA: OFFFW-WH-TRNSLNT CLR,
BLK IP, FRM-BRITTLE,
BLKY-SPLNTRY, SMTH,
CRYPTXLN, AMOR

SA: OFFFW-WH-TRNSLNT CLR,
BLK IP, FRM-BRITTLE,
BLKY-SPLNTRY, SMTH,
CRYPTXLN, AMOR





SWEEP & TOO

BIT #: 5
SIZE: 12.25"
TYPE: RX-30
MAKE:
SER #: BX-3136
JETS: 3x20
DEPTH IN: 7864'
TOT DRL: 461'
TOT HRS: 45

7900

7950

8000

8050

ROP (min/ft)
Gamma (API)

MW: 10.1
VIS: 28
PH: 12.1
CHL: 189000
RPM: 60
WOB: 40
PP: 1880
SPM: 160

TOOH @ 7864' MD TO P/U
GYRO/GAMMA SURVEY BHA

03/09/2012 (FRI) 6:00 AM
@ 7864'. P/U NEW BHA & TIH
03/10/2012 (SAT) 6:00 AM
@ 7864'. TIH BIT DEPTH @
7574'. DRILLING AHEAD @
1000HRS

SH: GY-DKGY-BLK, SFT-MOD
HD, BLKY-S/BLKY, SL FISS IP,
SLTY, ARG MTX, EA, DULL,
MOD CALC

LS: WH-OFFWH-DTYWH -LTGY-
GY, FRM-MOD HD,
S/BLKY-S/FLKY, FXLN/ SMTH,
CRYPTXLN IP, DOL TXT, NO
MIN FLUOR

SA: OFFWH-WH-TRNSLNT CLR,
BLK IP, FRM-BRITTLE,
BLKY-SPLNTRY, SMTH,
CRYPTXLN, AMOR

SH: GY-DKGY-BLK, SFT-MOD
HD, BLKY-S/BLKY, SL FISS IP,
SLTY, ARG MTX, EA, DULL,
MOD CALC

LS: WH-OFFWH-DTYWH -LTGY-
GY, FRM-MOD HD,
S/BLKY-S/FLKY, FXLN/ SMTH,
CRYPTXLN IP, DOL TXT, NO
MIN FLUOR

SA: OFFWH-WH-TRNSLNT CLR,
BLK IP, FRM-BRITTLE,
BLKY-SPLNTRY, SMTH,
CRYPTXLN, AMOR

03/11/2012 (SUN) 6:00 AM
@ 8020' MD

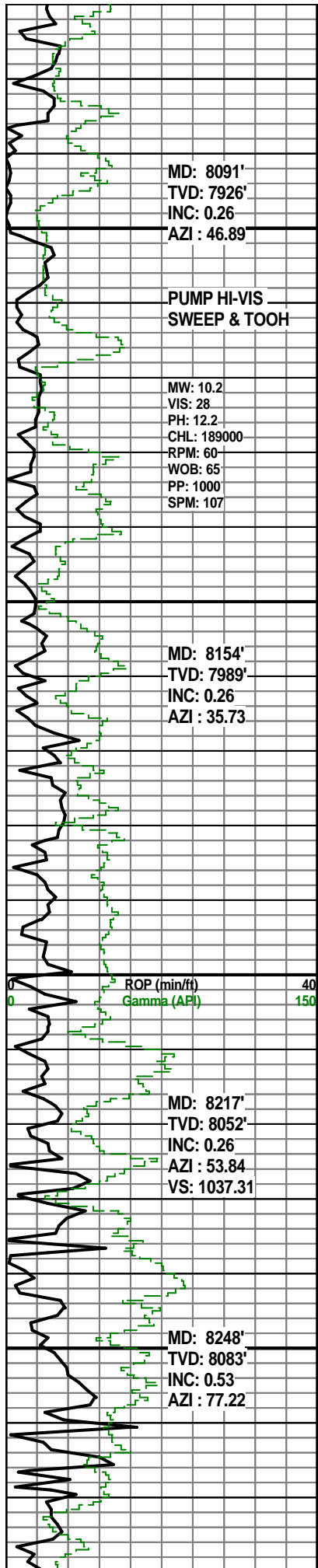
SA: OFFWH-WH-TRNSLNT CLR,
BLK IP, FRM-BRITTLE,
BLKY-SPLNTRY, SMTH,
CRYPTXLN, AMOR

SH: GY-DKGY-BLK, SFT-MOD
HD, BLKY-S/BLKY, SL FISS IP,
SLTY, ARG MTX, EA, DULL,
MOD CALC

TEST GAS @ TRAP

TG (units) 300
CO2 (PPM) 10

C1 (PPM) 30000
C2 (PPM) 30000
C3 (PPM) 30000
C4 (PPM) 30000



MD: 8091'
 TVD: 7926'
 INC: 0.26
 AZI : 46.89

PUMP HI-VIS
 SWEEP & TOOH

MW: 10.2
 VIS: 28
 PH: 12.2
 CHL: 189000
 RPM: 60
 WOB: 65
 PP: 1000
 SPM: 107

MD: 8154'
 TVD: 7989'
 INC: 0.26
 AZI : 35.73

ROP (min/ft) 40
 Gamma (API) 150

MD: 8217'
 TVD: 8052'
 INC: 0.26
 AZI : 53.84
 VS: 1037.31

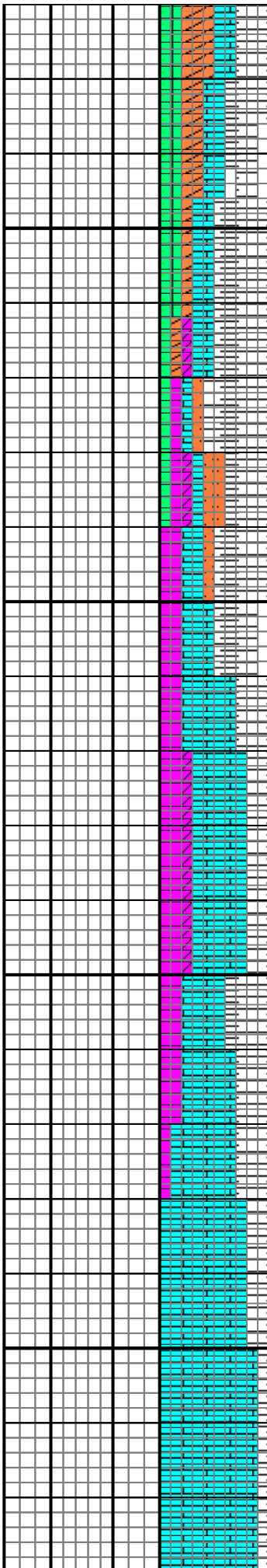
MD: 8248'
 TVD: 8083'
 INC: 0.53
 AZI : 77.22

8100

8150

8200

8250



LS: DTYWH -LTGY- GY,
 FRM-MOD HD, S/BLKY -S/FLKY,
 FXLN/ SMTH, CRYPTXLN IP,
 DOL TXT, NO MIN FLUOR

TOOH @ 8112' MD TO P/U
 NEW DIR/GAMMA TOOLS
 SINCE DOWNHOLE TOOLS
 WERE NOT COMMUNICATING

03/12/2012 (MON) 6:00 AM
 @ 8112' MD

SLST: LTGY-GY-DKGY, TN,
 DTYWH, FRIA-CONS-MOD HD
 IP, VFN GRN, SBRND-SBANG,
 MOD-W. SRTD, MOD CALC CMT

DOL: LTGY, TN, OFFWH,
 MOD HD-HD, CRYPTXLN-
 VFXLN, MICRXLN IP, TR INFER
 FRAC-INTRXLN POR, NO
 SHOW

LS: WH-OFFWH-DTYWH -LTGY-
 GY, FRM-MOD HD,
 S/BLKY-S/FLKY, FXLN/ SMTH,
 CRYPTXLN IP, DOL TXT, NO
 MIN FLUOR

10% LT PINK LIMESTONE

03/13/2012 (TUE) 6:00 AM
 @ 8200' MD

SH: GY-DKGY-BLK, SFT-MOD
 HD, BLKY-S/BLKY, SL FISS IP,
 SLTY, ARG MTX, EA, DULL,
 MOD CALC

TR-10% PINK LIMESTONE

TR SALT

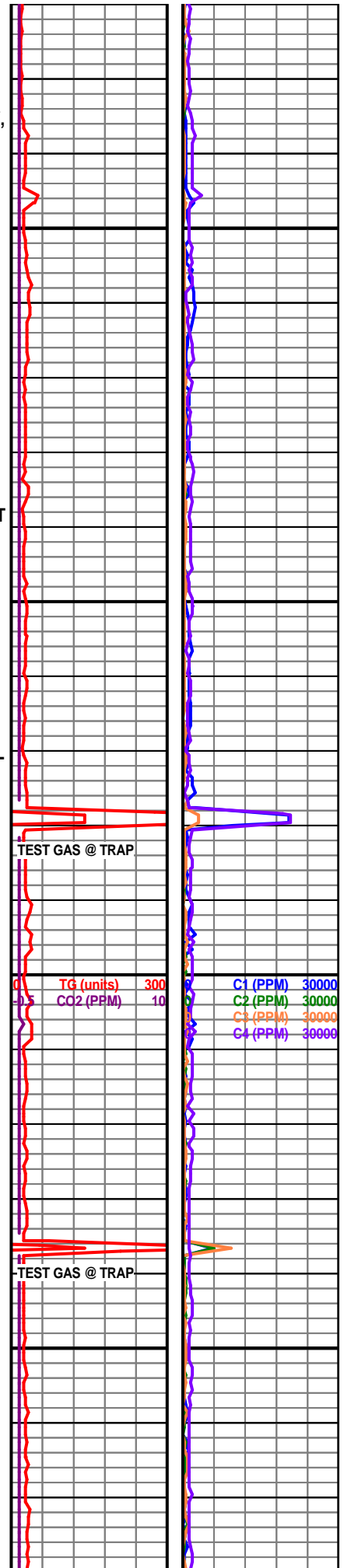
LS: 30% PINK LS, OFFWH, TN,
 LT GY, FRM-MOD HD, S/FLKY,
 FXLN-MICROXLN, TR DOL

40% PINK LIMESTONE

40% PINK LIMESTONE

50% PINK LIMESTONE

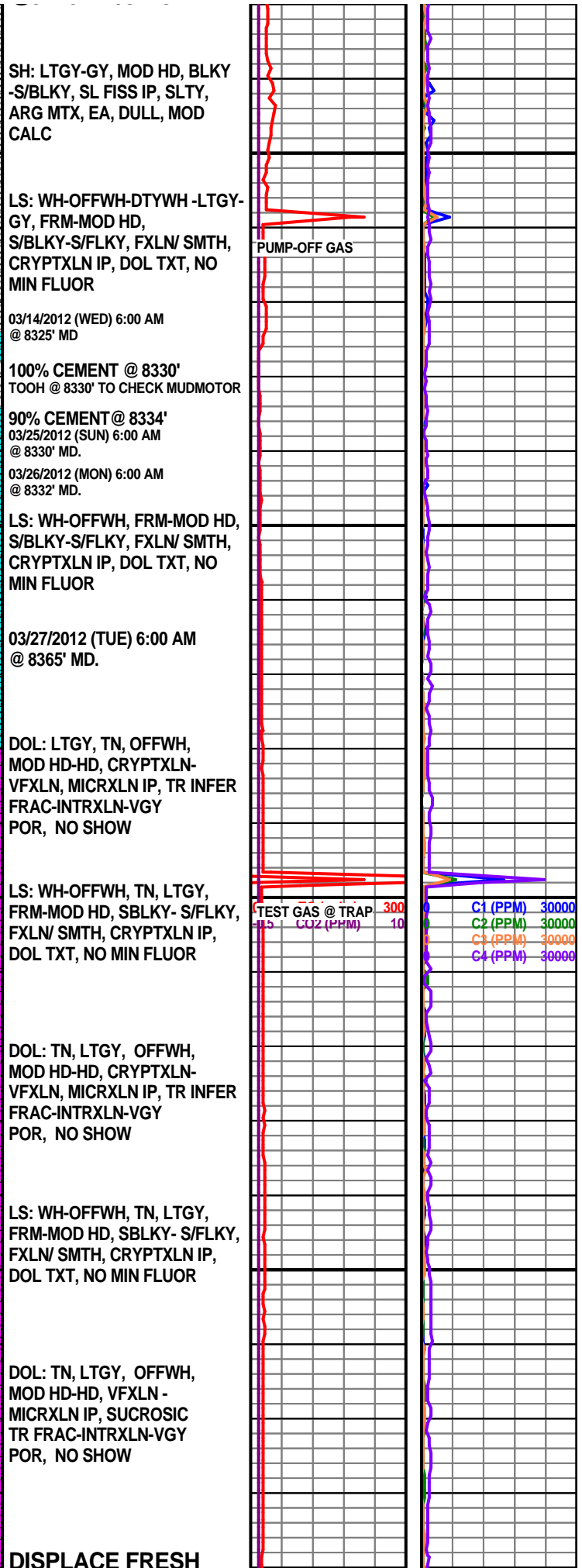
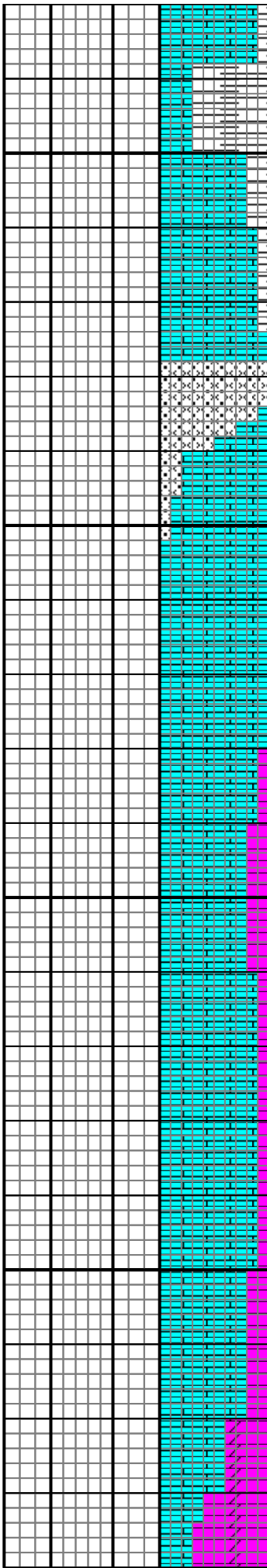
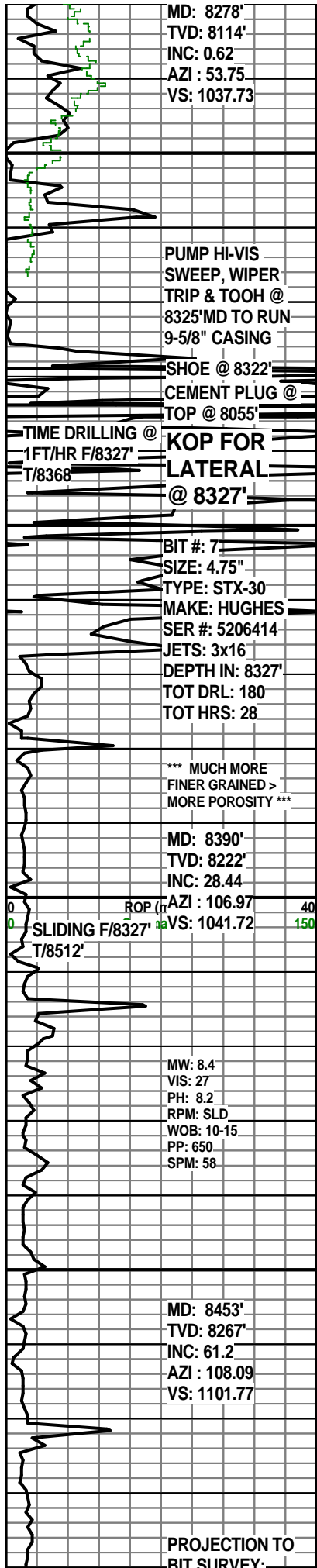
TOP OF LEADVILLE
 @8276'MD/8113'TVD

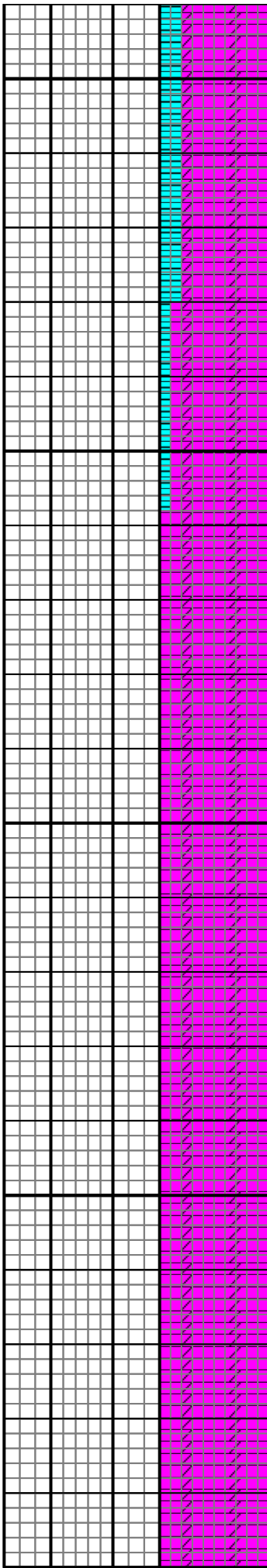
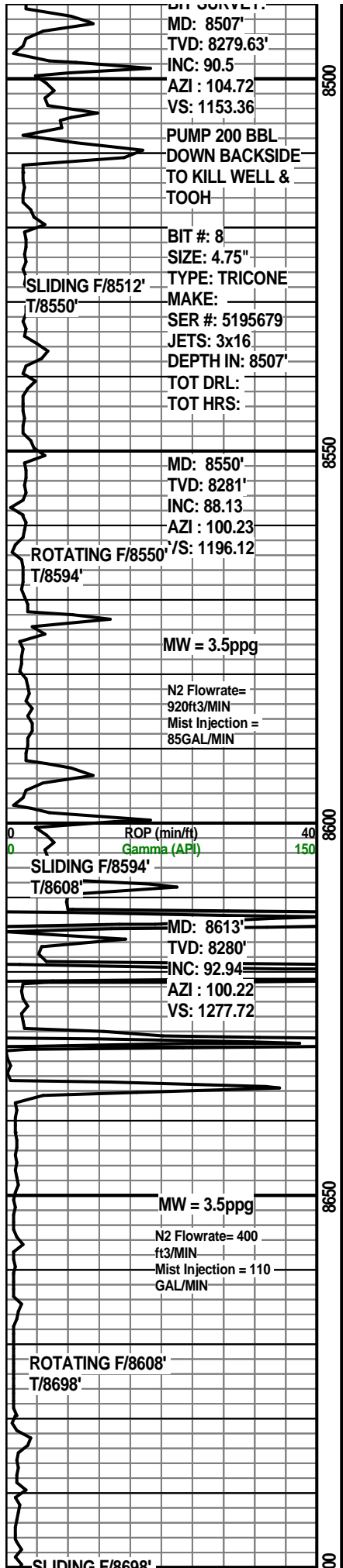


TEST GAS @ TRAP

TG (units)	300	C1 (PPM)	30000
CO2 (PPM)	10	C2 (PPM)	30000
		C3 (PPM)	30000
		C4 (PPM)	30000

TEST GAS @ TRAP





WATER WITH N2 INFUSED FLUID & MIST @ 8507'

TOOH @ 8507' TO RIGUP UNDER-BALANCE EQUIP & P/U LATERAL BHA. WORKING TIGHT-HOLE W/BIT @ 8460'

03/28-30/2012 (FRI) 6:00 AM @ 8507' MD. SLID TO 8512' THEN TOO H TO CHECK MUDMOTOR

03/31/2012 (SAT) 6:00 AM @ 8512' MD. TIH WITH NEW MUDMOTOR

DOL: LTGY-GY, TN, OFFWH, MOD HD-HD, MICRXLN, SANDY TXT, TR FRAC-VGY- INTRXLN POR, NO SHOW

DOL: LTGY-GY-DKGY IP, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY PR POR, NO MIN FLUOR

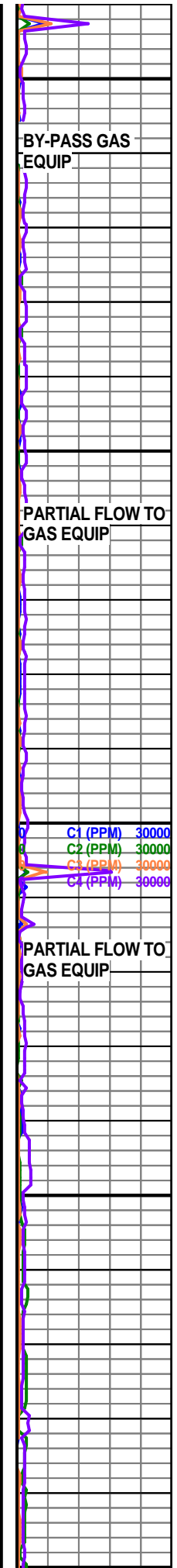
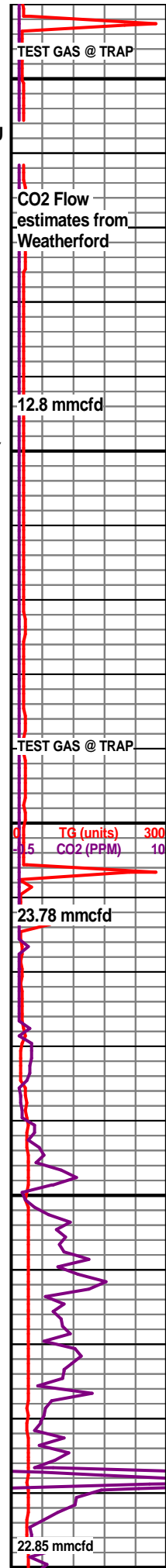
DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY PR POR, NO MIN FLUOR

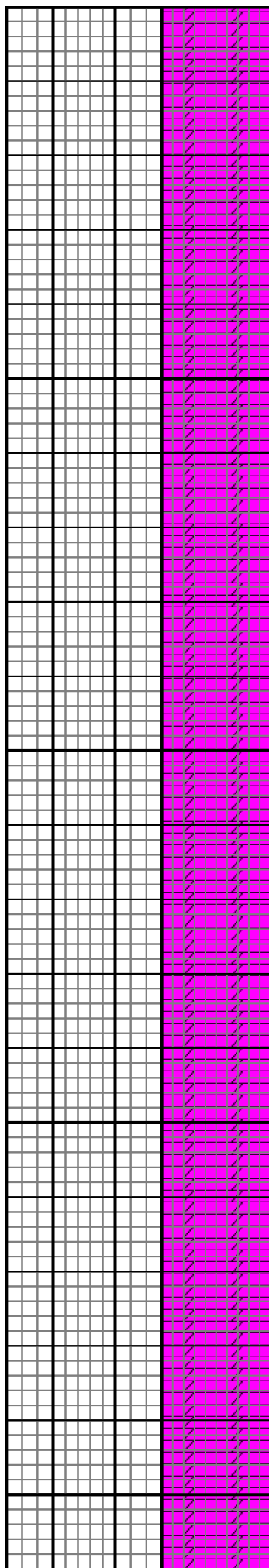
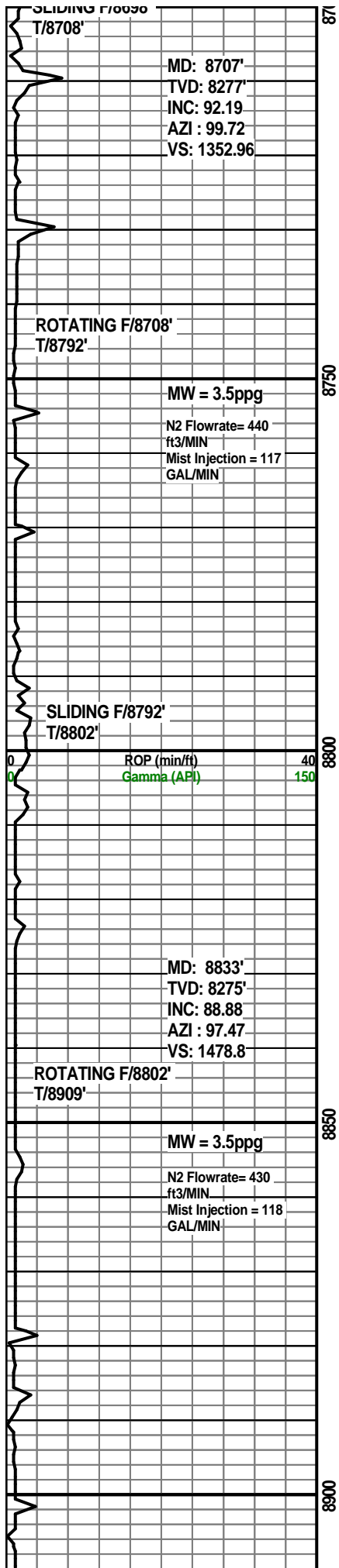
DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY PR POR, NO MIN FLUOR

DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY PR POR, NO MIN FLUOR, TR LS

04/01/2012 (SUN) 6:00 AM @ 8685' MD.

DOL: LTGY-GY, TN, OFFWH.





CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR, TR LS

DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC DOL, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

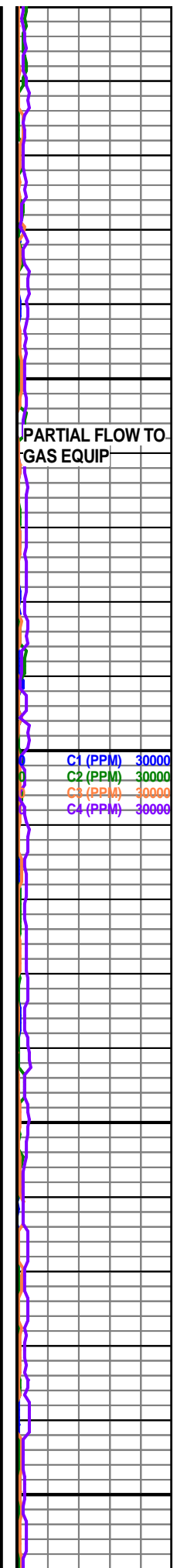
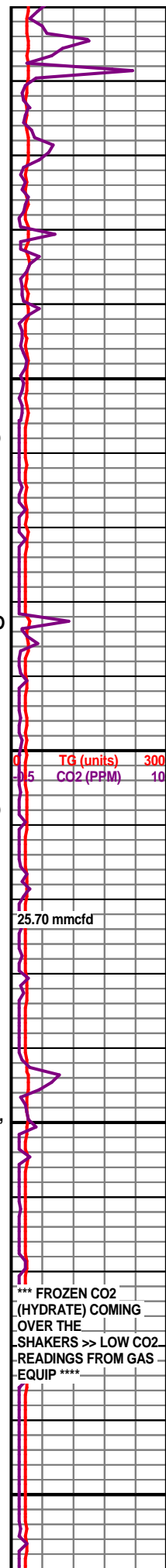
DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

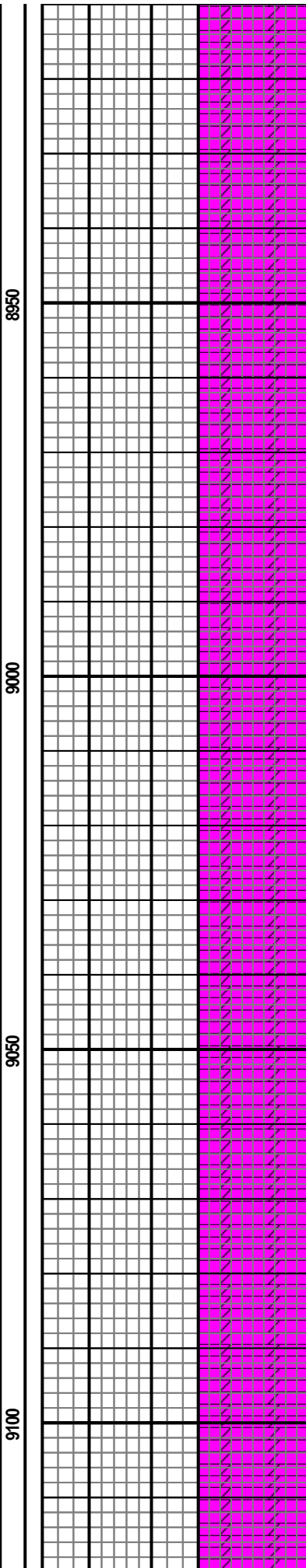
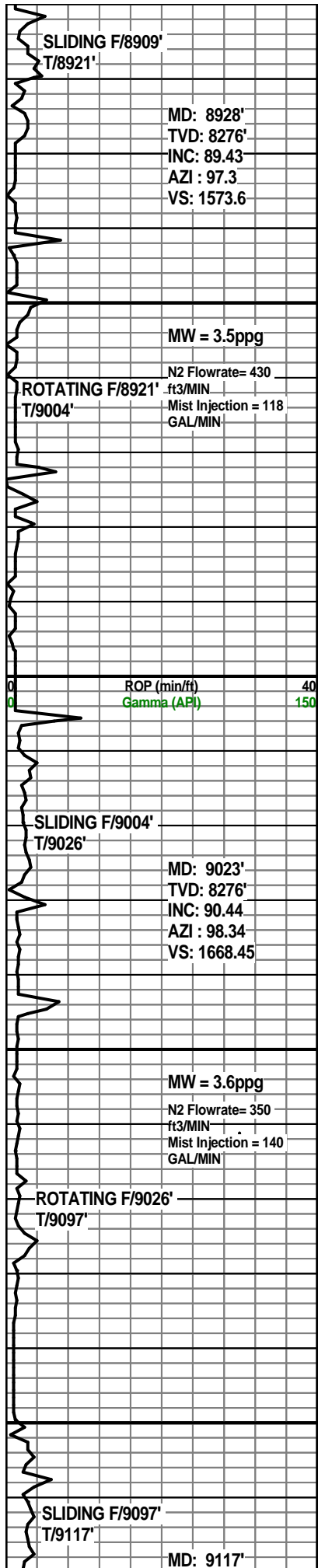
DOL: LTGY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

DOL: GY-DKGY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

DOL: GY-DKGY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR



*** FROZEN CO2 (HYDRATE) COMING OVER THE SHAKERS >> LOW CO2 READINGS FROM GAS EQUIP ****



MIN FLUOR

DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

DOL: GY-DKGY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

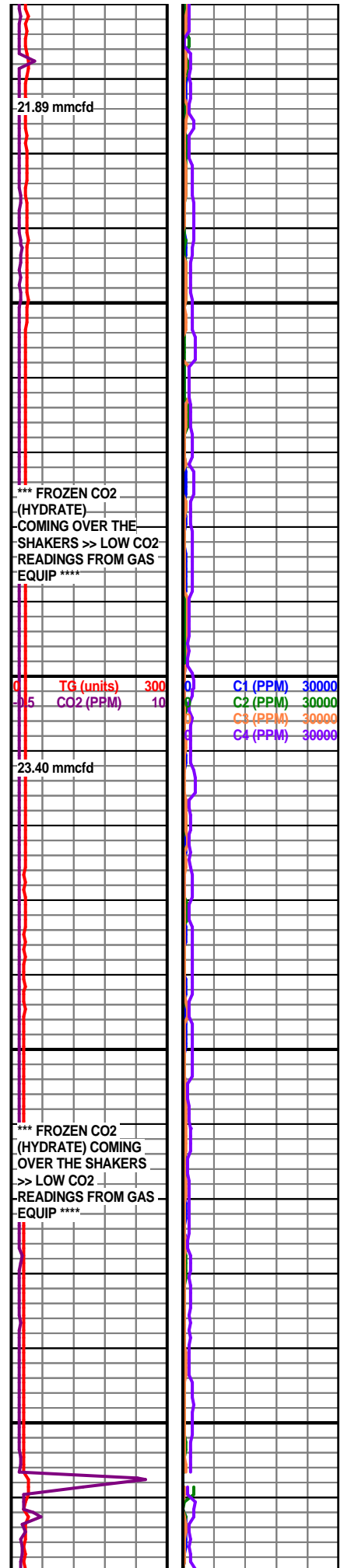
DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

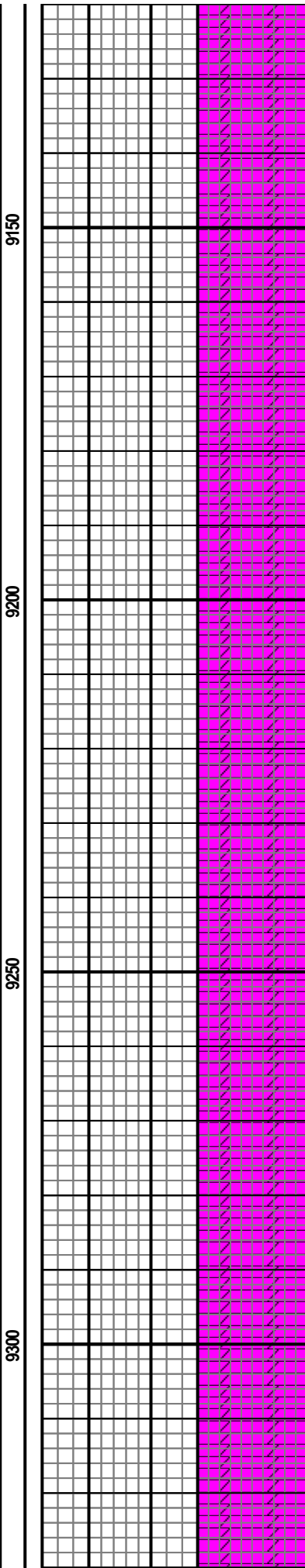
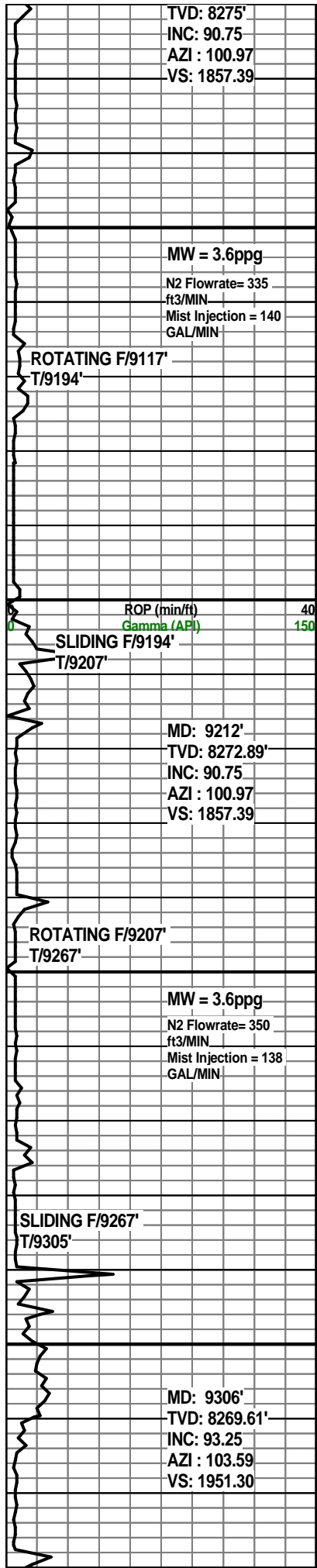
DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR





DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

DOL: LTGY-GY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

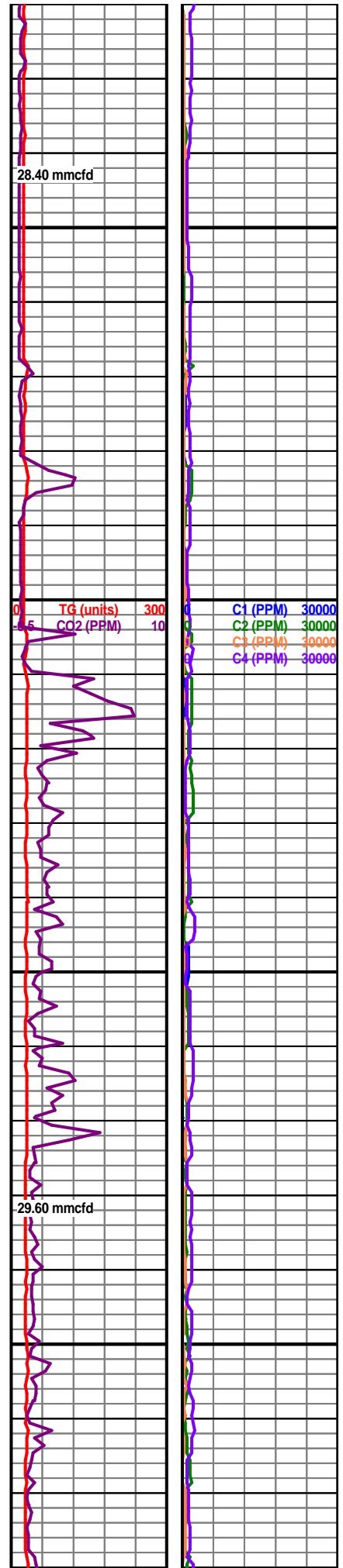
DOL: LTGY-GY-DKGY IP, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

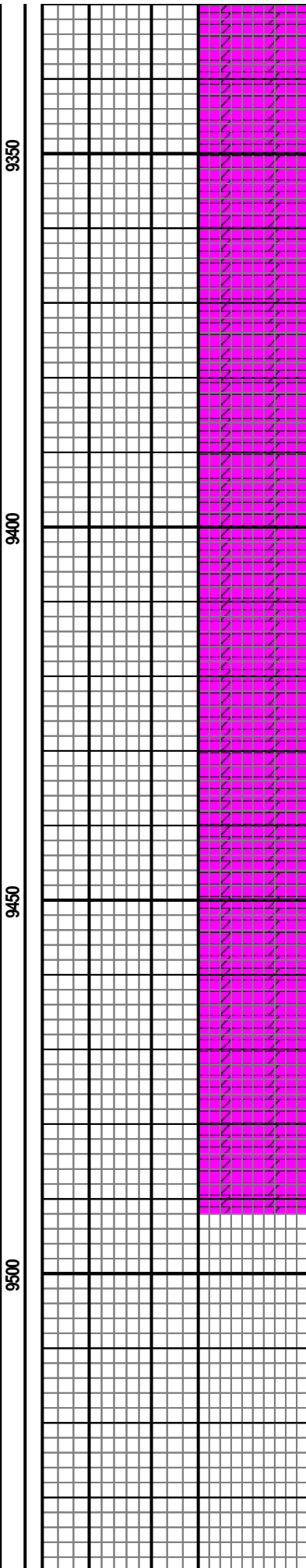
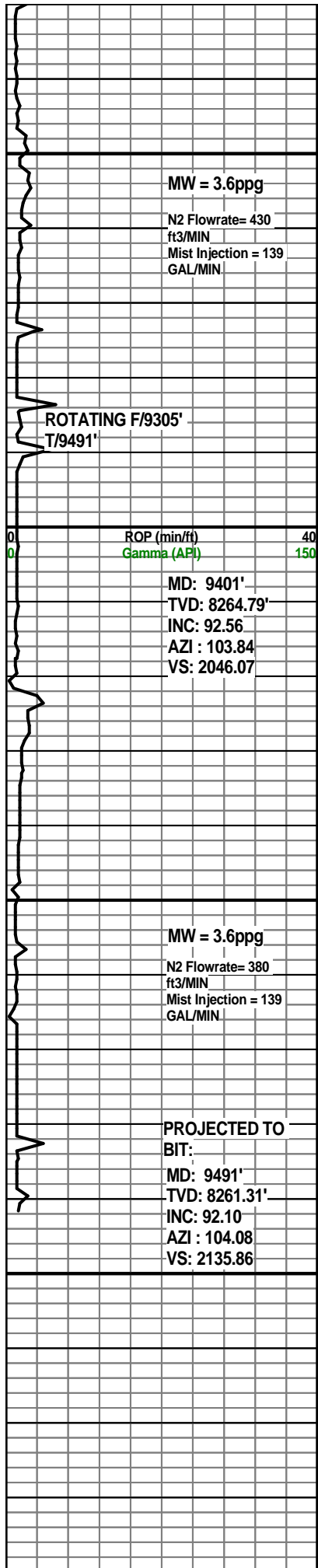
DOL: LTGY-GY-DKGY IP, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

DOL: GY-DKGY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

04/02/2012 (MON) 6:00 AM @ 9330' MD.

DOL: GY-DKGY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR





DOL: GY-DKGY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

DOL: GY-DKGY, TN, OFFWH, CRM, MOD HD-HD, MICRXLN, SUCROSIC TXT, PR- FR INTRXLN-FRAC-VGY POR, NO MIN FLUOR

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*** BIG CO2 GAS VALUES OF 70-126 mmCFD RECORDED BY WEATHERFORD EQUIP ***

FINAL T.D. WAS PLANNED @ 10357'MD/8250'TVD BUT DUE TO SAFETY CONCERNS (EXTREMELY HIGH CO2 GAS VALUES) ACTUAL FINAL WELL T.D. @ 9491'MD/ 8261'TVD. DATE: 04/02/2012 @ 1200 HRS.

THANK YOU FOR CHOOSING ABOVE ENTERPRISE - A MUDLOGGING COMPANY, SNYDER, TX 79550. TEL: 325-574 1399

