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Bridge Energy Inc.

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

Well Name: May 1-13
Location: T8N R5W NW 1/4 NE 1/4 Sec. 13
License Number:
Region: Payette Co
Spud Date: 9/23/2010
Drilling Completed:
Surface Coordinates: N44-02-15.1
W116-52-44.0
Bottom Hole Coordinates: N44-02-15.1
W116-52-44.0
Ground Elevation (ft): 2169.8'
K.B. Elevation (ft): 2186.8'
Logged Interval (ft): 50' **To:**
Total Depth (ft):
Formation:
Type of Drilling Fluid: SBM

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.co

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OPERATOR

Company: Bridge Energy Inc.
Address: Bridge Resources Corp.
1580 Lincoln Street, Suite 1110
Denver, Colorado 80203

Comments

Company Man: Ron Richards
Tool Pusher: Michael Williams
Rig: Razorback - Story Services Inc.

ROCK TYPES

- Anhy
- Bent
- Cht
- Coal
- Congl
- Vertfrac
- Ls crm
- Ls ltgy
- Lmst
- Mrlst
- Sltst
- Dol
- Ss crs
- Ss ltblu
- Ss
- Carbshdkgy
- Carbsh
- Shale sndy
- Sh rdbrn
- Sh medgy
- Sh ltgy
- Sh ltblu
- Sh grn
- Sh brn
- Sh tan
- Shale
- shly sltst tan
- shly sltst rdbrn
- shly sltst ltgy
- shly sltst gy
- shly sltst brn
- sltst wh
- sltst ltgy
- sltst ltbrn
- Sltst
- sltst olive
- sltst turq
- Sltst blugy
- NO SMPL nosmpl
- Fault
- Csgpt
- Tuff blugy
- Tuff tan
- Tuff medgy
- Tuff ltgy
- Tuff ltgrn
- clyst wh
- clyst tan
- clyst rdbrn
- clyst ltgrn
- clyst blgy
- clyst ltgy
- Ls wh
- Sh tan
- Basalt entab
- Basalt columnade
- Basalt flow top

ACCESSORIES

MINERAL

- Ls crm
- Vertfrac
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Qtz or calct xls
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

STRINGER

- Anhy
- Arg
- Bent
- Tuff ltblu
- Coal
- Dol
- Gyp
- Ls white
- Ls tan
- Ls ltgy
- Ls
- Mrst
- Clyst wh
- Clystrg gy
- Clystrg ltgy
- Slty cly strg gy
- Sltstrg gy
- Sltstrg ltgy
- Sltstrg
- Ssstrg

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOW

- Even
- Spotted
- Ques
- Dead

INTERVAL

- Core
- Dst
- Casing

EVENT

- New bit
- Rft
- Sidewall
- Csg pnt

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ROP (mpf)

ROP (min/ft)

Torque (Kft-lbs)

Interp Lithology

Depth

Geological Descriptions

Total Gas

Total Gas (Units)

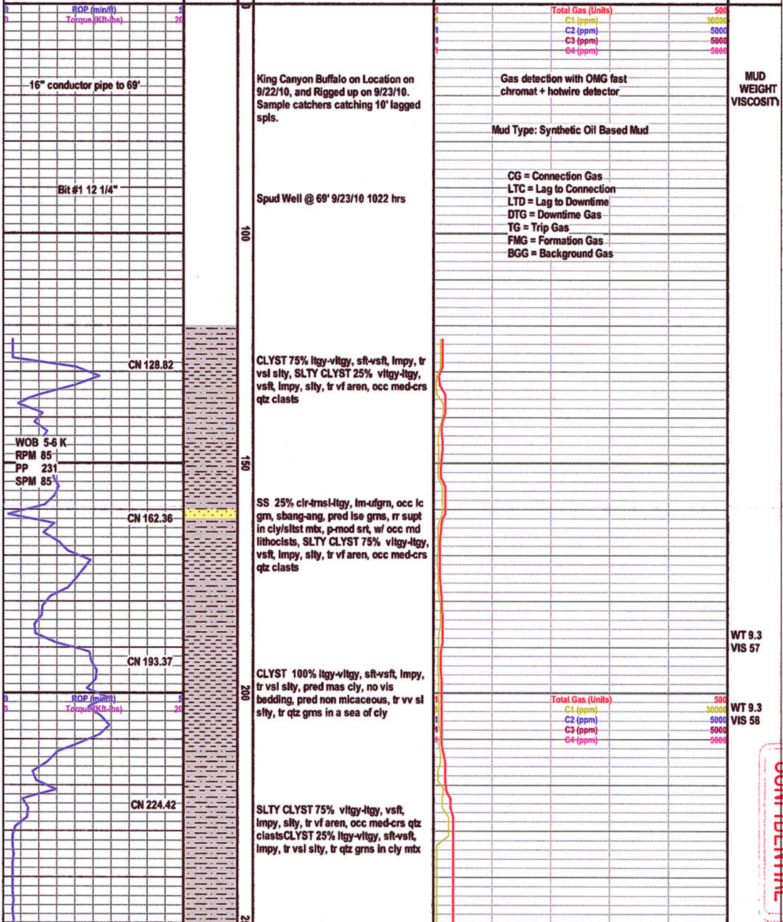
C1 (ppm)

C2 (ppm)

C3 (ppm)

C4 (ppm)

Mud Weight



King Canyon Buffalo on Location on 9/22/10, and Rigged up on 9/23/10. Sample catchers catching 10' lagged spls.

Spud Well @ 69' 9/23/10 1022 hrs

CLYST 75% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, SLTY CLYST 25% vltgy-ltgy, vsft, lmpy, slty, tr vf aren, occ med-crs qtz clasts

SS 25% clr-trnsl-ltgy, lm-ufgrn, occ lc grn, sbang-ang, pred lse grns, rr supt in cly/sltst mtx, p-mod srt, w/ occ rnd lithoclsts, SLTY CLYST 75% vltgy-ltgy, vsft, lmpy, slty, tr vf aren, occ med-crs qtz clasts

CLYST 100% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, pred mas cly, no vis bedding, pred non micaceous, tr vv sl slty, tr qtz grns in a sea of cly

SLTY CLYST 75% vltgy-ltgy, vsft, lmpy, slty, tr vf aren, occ med-crs qtz clastsCLYST 25% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx

Gas detection with OMG fast chromat + hotwire detector

Mud Type: Synthetic Oil Based Mud

CG = Connection Gas
LTC = Lag to Connection
LTD = Lag to Downtime
DTG = Downtime Gas
TG = Trip Gas
FMG = Formation Gas
BGG = Background Gas

MUD WEIGHT VISCOSITY

WT 9.3
VIS 57

WT 9.3
VIS 58

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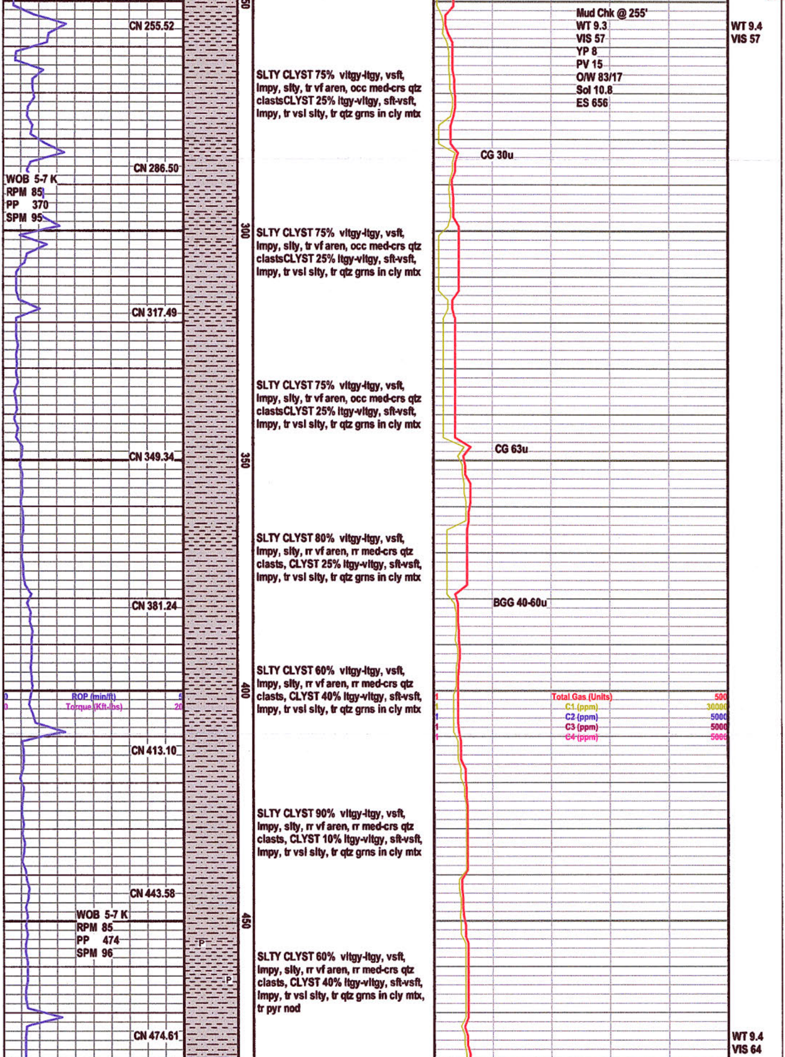

SLTY CLYST 75% vltgy-ltgy, vsft, lmpy, slty, tr vf aren, occ med-crs qtz clastsCLYST 25% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx

SLTY CLYST 75% vltgy-ltgy, vsft, lmpy, slty, tr vf aren, occ med-crs qtz clastsCLYST 25% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx

SLTY CLYST 75% vltgy-ltgy, vsft, lmpy, slty, tr vf aren, occ med-crs qtz clastsCLYST 25% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx

SLTY CLYST 80% vltgy-ltgy, vsft, lmpy, slty, rr vf aren, rr med-crs qtz clasts, CLYST 25% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx

SLTY CLYST 60% vltgy-ltgy, vsft, lmpy, slty, rr vf aren, rr med-crs qtz clasts, CLYST 40% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx

SLTY CLYST 90% vltgy-ltgy, vsft, lmpy, slty, rr vf aren, rr med-crs qtz clasts, CLYST 10% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx

SLTY CLYST 60% vltgy-ltgy, vsft, lmpy, slty, rr vf aren, rr med-crs qtz clasts, CLYST 40% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx, tr pyr nod

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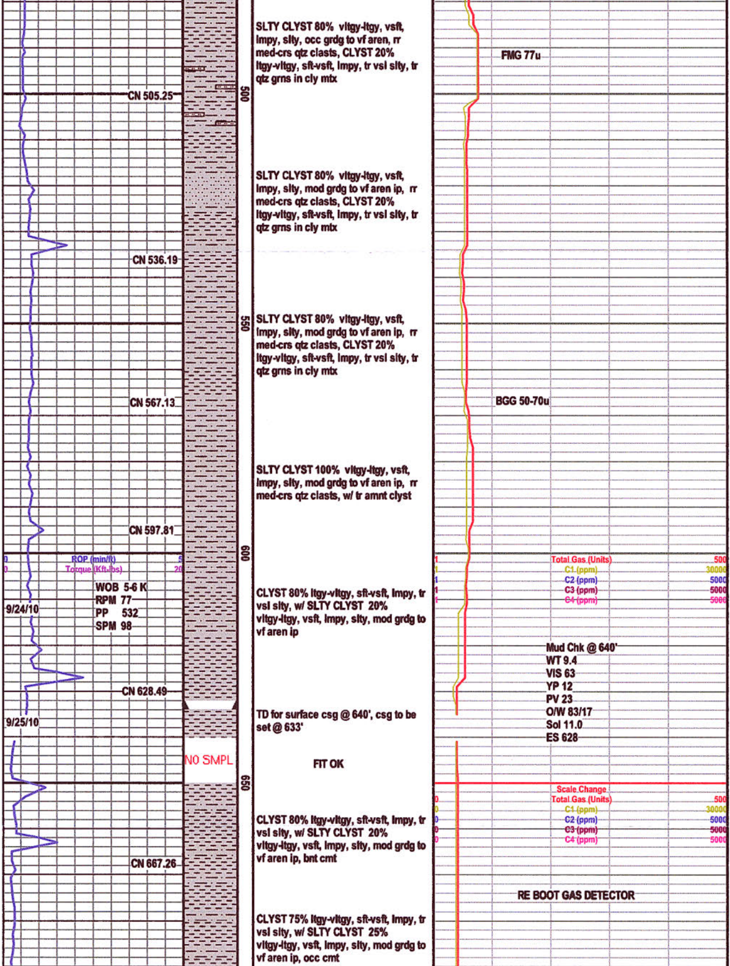

SLTY CLYST 80% vltgy-ltgy, vsft, lmpy, slty, occ grdg to vf aren, rr med-crs qtz clasts, CLYST 20% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx

SLTY CLYST 80% vltgy-ltgy, vsft, lmpy, slty, mod grdg to vf aren ip, rr med-crs qtz clasts, CLYST 20% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx

SLTY CLYST 80% vltgy-ltgy, vsft, lmpy, slty, mod grdg to vf aren ip, rr med-crs qtz clasts, CLYST 20% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx

WT 9.4
VIS 64

SLTY CLYST 100% vltgy-ltgy, vsft, lmpy, slty, mod grdg to vf aren ip, rr med-crs qtz clasts, w/ tr amnt clyst

WOB 5-6 K
RPM 77
PP 532
SPM 98

9/24/10

CLYST 80% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, w/ SLTY CLYST 20% vltgy-ltgy, vsft, lmpy, slty, mod grdg to vf aren ip

Mud Chk @ 640'
WT 9.4
VIS 63
YP 12
PV 23
O/W 83/17
Sol 11.0
ES 628

9/25/10

TD for surface csg @ 640', csg to be set @ 633'

FIT OK

CLYST 80% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, w/ SLTY CLYST 20% vltgy-ltgy, vsft, lmpy, slty, mod grdg to vf aren ip, bnt cmt

RE BOOT GAS DETECTOR

WT 9.4
VIS 63

CLYST 75% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, w/ SLTY CLYST 25% vltgy-ltgy, vsft, lmpy, slty, mod grdg to vf aren ip, occ cmt

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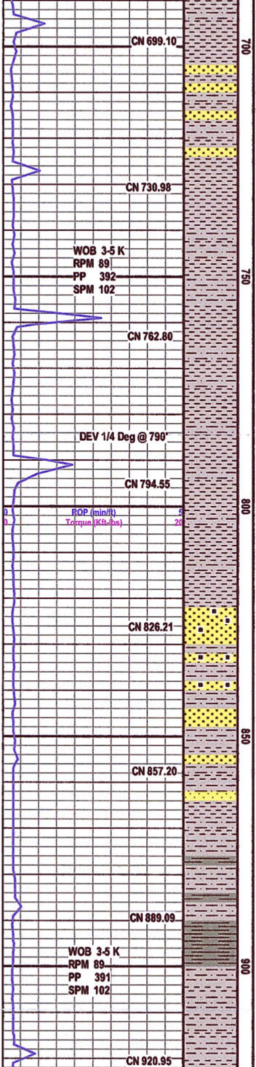


SS 15% ltgy-clr-transl, u-lc gr, occ u-lm gr, ang-sbang, pred lse grns, occ cly mtx supt fri clust, vp srt, tr coal frag, tr euhed calcite xls SLTY CLYST 85% vltgy-ltgy, vsft, lmpy, occ grdg to vf aren, rr med-crs qtz clasts

CLYST 100% vltgy-ltgy, vsft, lmpy, tr slty, grdg to vf aren, rr med-crs qtz clasts, w/ tr amnt clyst

SLTY CLYST 80% vltgy-ltgy, vsft, lmpy, slty, occ grdg to vf aren, rr med-crs qtz clasts, CLYST 20% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx

SLTY CLYST 90% vltgy-ltgy, vsft, lmpy, slty, occ grdg to vf aren, rr med-crs qtz clasts, CLYST 10% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx

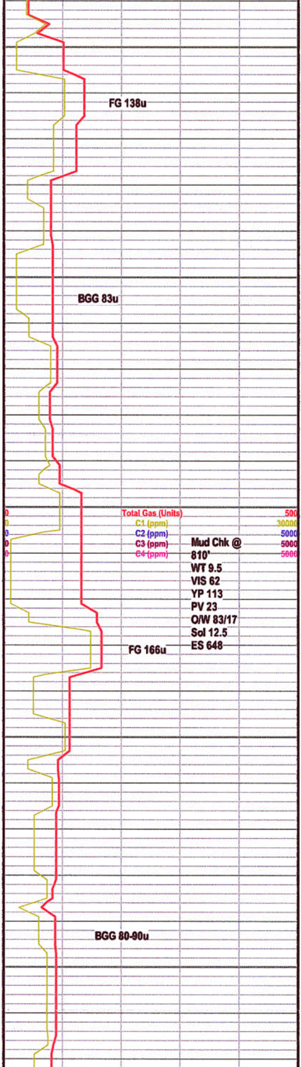
CLYST 100% vltgy-ltgy, vsft, lmpy, tr slty, tr grdg vf aren, rr med-crs qtz clasts, SLTY CLYST 90% vltgy-ltgy, vsft, lmpy, occ grdg to vf aren, rr med-crs qtz clasts

SS 30% ltgy-clr-transl, u-lc gr, occ u-lm gr, ang-sbang, pred lse grns, occ cly mtx supt fri clust, vp srt, tr coal frag, tr euhed calcite xls SLTY CLYST 70% vltgy-ltgy, vsft, lmpy, occ grdg to vf aren, rr med-crs qtz clasts

SS 10% ltgy-clr-transl, u-lc gr, occ u-lm gr, ang-sbang, pred lse grns, occ cly mtx supt fri clust, vp srt, tr coal frag, tr euhed calcite xls SLTY CLYST 90% vltgy-ltgy, vsft, lmpy, occ grdg to vf aren, rr med-crs qtz clasts

SLTY CLYST 80% vltgy-ltgy, vsft, lmpy, slty, occ grdg to vf aren, rr med-crs qtz clasts,
CLYST 20% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx

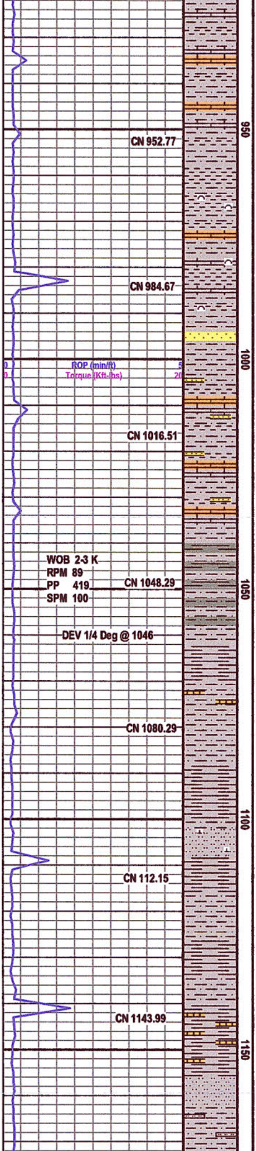
SH 30% med-dk gy, frm, blky, sbwxy-wxy tex, ncalc, SLTY CLYST 30% vltgy-ltgy, vsft, lmpy, slty, occ grdg to vf aren, rr med-crs qtz clasts CLYST 40% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx



Mud Chk @
810'
WT 9.5
VIS 62
YP 113
PV 23
O/W 83/17
Sol 12.5
ES 648

WT 9.4
VIS 62

WT 9.4
VIS 62



LS 20% ltgy-ltbrn, micxl-vfxl, ms-ws, varg-shly, frm-mod hd, f lam-med lam, occ vf ren-slty, SLTY CLYST 30% vltgy-ltgy, vsft, lmpy, slty, occ grdg to vf aren, rr med-crs qtz clasts CLYST 50% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx

SLTY CLYST 80% vltgy-ltgy, vsft, lmpy, slty, occ grdg to vf aren, rr med-crs qtz clasts,
CLYST 20% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx, occ worm burrow

LS 10% ltgy-ltbrn, micxl-vfxl, ms-ws, varg-shly, frm-mod hd, f lam-med lam, occ vf ren-slty, SLTY CLYST 60% vltgy-ltgy, vsft, lmpy, slty, occ grdg to vf aren, rr med-crs qtz clasts CLYST 30% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx, tr burow cast

LS 20% ltgy-ltbrn, micxl-vfxl, ms-ws, varg-shly, frm-mod hd, f lam-med lam, occ vf ren-slty, SLTY CLYST 65% vltgy-ltgy, vsft, lmpy, slty, occ grdg to vf aren, rr med-crs qtz clasts CLYST 15% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx, tr burow cast

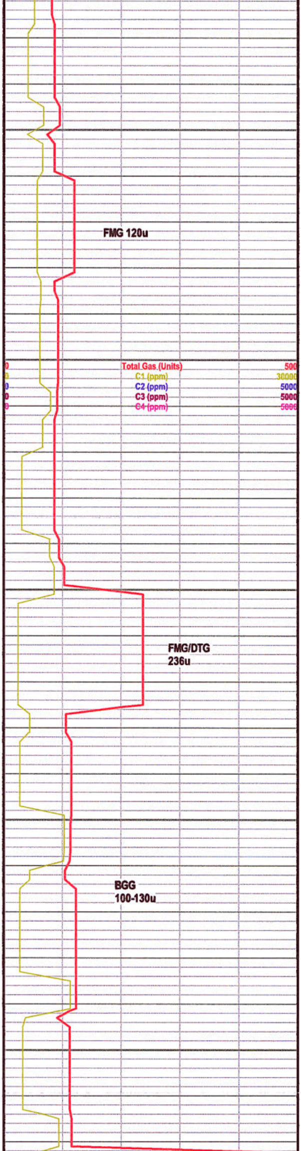
SH 30% med-dk gy, frm, blky, sbwxy-wxy tex, ncalc, SLTY CLYST 30% vltgy-ltgy, vsft, lmpy, slty, occ grdg to vf aren, rr med-crs qtz clasts CLYST 40% ltgy-vltgy, sft-vsft, lmpy, tr vsl slty, tr qtz grns in cly mtx

SH 95% gy, occ dkgy, frm, blky-sbsplnty, sbwxy-wxy tex grdg to slty tex, mod grdg to slty sh, w/ rr med-crs ang lmbd qtz clsts, w/ LS 5% crm-mott ltgy, frm-hd, mic-fxln, intb in lam w/ sltst/sh, tr vis intxln/frac poro

SH 80% gy, grdg to dkgy, rr ltgy-crm, sft-frm, blky-sbsplnty, sbwxy-sbslty, rr mod grdg to slty sh, w/ rr intb med-crs ang lmbd qtz clsts, w/ SLTST 20% ltgy-gy, frm, occ grdg to slty sh, rr grdg to lvfgrn aren, w/ tr free calc (conc?)

SH 95% gy, grdg to dkgy, rr ltgy-crm, sft-frm, blky-sbsplnty, sbwxy-sbslty, rr mod grdg to slty sh, w/ rr intb med-crs ang lmbd qtz clsts, w/ LS 5% crm-mott ltgy, frm-hd, mic-fxln, intb in lam w/ sltst/sh, no vis intxln/frac poro

SH 70% gy, grdg to dkgy, rr ltgy-crm, sft-frm, blky-sbsplnty, sbwxy-sbslty, rr mod grdg to slty sh, w/ SLTST 30% ltgy-gy, frm-fri, abnd mic, abnd grdg to mtx supt lvfgrn aren



WT 9.5
VIS 60

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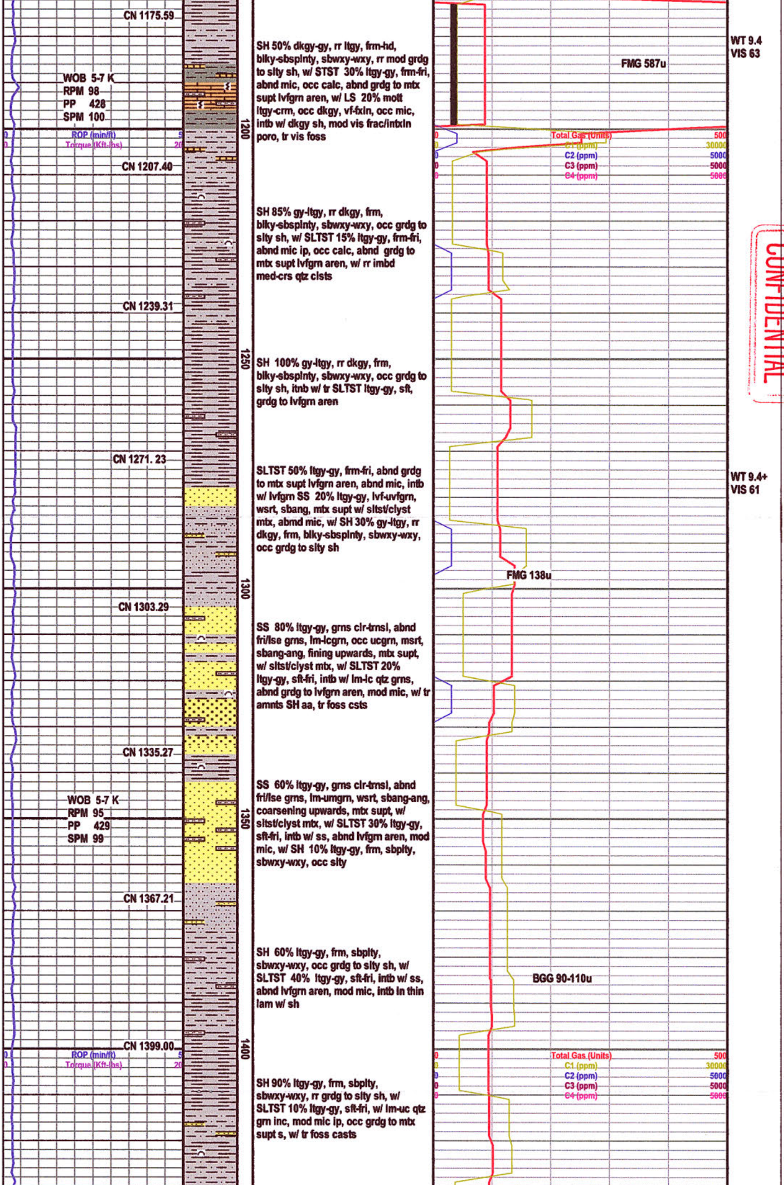

SH 50% dkgy-gy, rr ltgy, frm-hd, blky-sbsplnty, sbwxy-wxy, rr mod grdg to slty sh, w/ STST 30% ltgy-gy, frm-fri, abnd mic, occ calc, abnd grdg to mtx supt lvfgrn aren, w/ LS 20% mott ltgy-crm, occ dkgy, vf-fxln, occ mic, intb w/ dkgy sh, mod vis frac/intxln poro, tr vis foss

SH 85% gy-ltgy, rr dkgy, frm, blky-sbsplnty, sbwxy-wxy, occ grdg to slty sh, w/ SLTST 15% ltgy-gy, frm-fri, abnd mic ip, occ calc, abnd grdg to mtx supt lvfgrn aren, w/ rr imbd med-crs qtz clsts

SH 100% gy-ltgy, rr dkgy, frm, blky-sbsplnty, sbwxy-wxy, occ grdg to slty sh, itnb w/ tr SLTST ltgy-gy, sft, grdg to lvfgrn aren

SLTST 50% ltgy-gy, frm-fri, abnd grdg to mtx supt lvfgrn aren, abnd mic, intb w/ lvfgrn SS 20% ltgy-gy, lvf-uvfgrn, wsrt, sbang, mtx supt w/ sltst/clyst mtx, abnd mic, w/ SH 30% gy-ltgy, rr dkgy, frm, blky-sbsplnty, sbwxy-wxy, occ grdg to slty sh

SS 80% ltgy-gy, grns clr-trnsl, abnd fri/lse grns, lm-lcgrn, occ ucgrn, msrt, sbang-ang, fining upwards, mtx supt, w/ sltst/clyst mtx, w/ SLTST 20% ltgy-gy, sft-fri, intb w/ lm-lc qtz grns, abnd grdg to lvfgrn aren, mod mic, w/ tr amnts SH aa, tr foss csts

SS 60% ltgy-gy, grns clr-trnsl, abnd fri/lse grns, lm-umgrn, wsrt, sbang-ang, coarsening upwards, mtx supt, w/ sltst/clyst mtx, w/ SLTST 30% ltgy-gy, sft-fri, intb w/ ss, abnd lvfgrn aren, mod mic, w/ SH 10% ltgy-gy, frm, sbplty, sbwxy-wxy, occ slty

SH 60% ltgy-gy, frm, sbplty, sbwxy-wxy, occ grdg to slty sh, w/ SLTST 40% ltgy-gy, sft-fri, intb w/ ss, abnd lvfgrn aren, mod mic, intb in thin lam w/ sh

SH 90% ltgy-gy, frm, sbplty, sbwxy-wxy, rr grdg to slty sh, w/ SLTST 10% ltgy-gy, sft-fri, w/ lm-uc qtz grn inc, mod mic ip, occ grdg to mtx supt s, w/ tr foss casts

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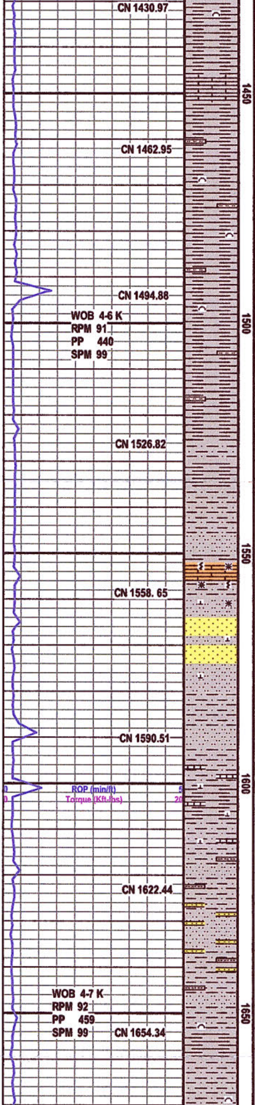


SH 80% ltgy-gy, frm, sbplty, sbwxy-wxy, rr vsl calc, rr grdg to slty sh, w/ LS 20% ltgy-crmgy, frm, cpxln-micxln, abnd micr, chlky, mssve, grdg to lmy sh, no vis poro/frac

SH 100% ltgy-gy, frm, sbplty, sbwxy-wxy, rr vsl calc, rr grdg to slty sh, w occ lm-uc qtz grn incl, w/ tr amnt sltst, mod foss csts

SH 100% ltgy-gy, frm, sbplty, sbwxy-wxy, rr vsl calc, rr grdg to slty sh, w occ lm-uc qtz grn incl, w/ tr amnt sltst, mod foss csts

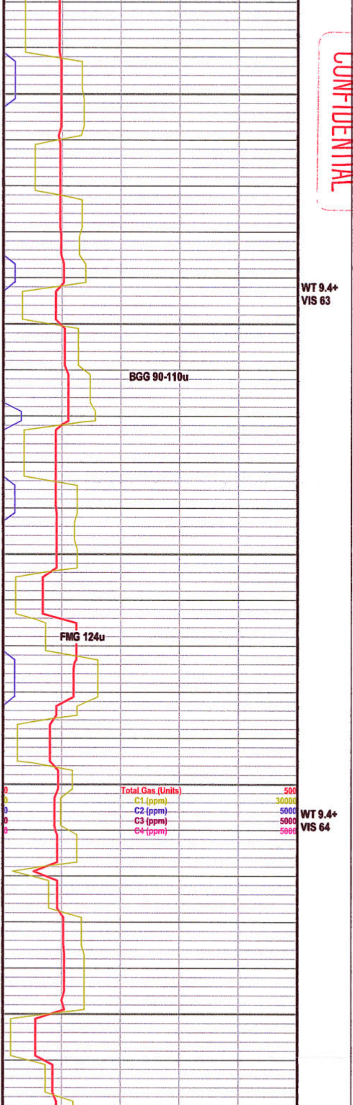
SH 85% ltgy-gy, frm, sbplty-sbblky, sbwxy-wxy, rr vsl calc, rr grdg to slty sh, w occ lm-uc qtz grn incl, w/ tr amnt sltst, w/ SLTST 15% ltgy-gy, sft-frm, occ fri, occ grgdg to lvfgrn aren, abnd mic

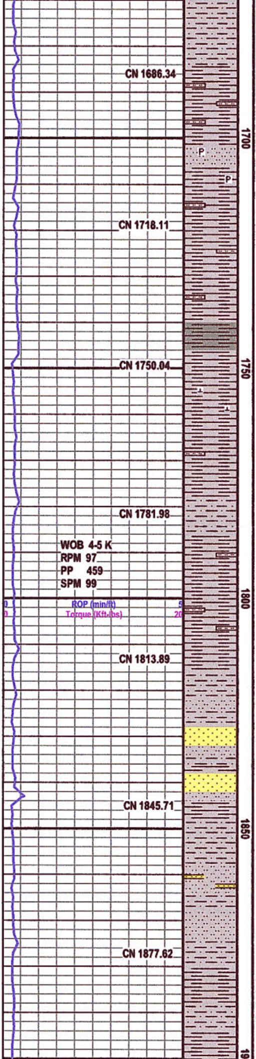
SLTST 50% ltgy-gy, sft, mod fri ip, abnd lvfgr aren, grdg to lm-crs grn mtx supt ss, abnd mic, calc ip, w/ SS 30% ltgy-gy, abnd fri, abnd coated lse qtz grns, lm-lcgrn, occ ufgrn, psrt, sbang-sbrnd, mtx supt in sltst mtx, w/ LS 20% wh-offwh-crm, frm-hd, vf-fxln, occ mxln, w/ calc xls intergrowths, occ micr, w/ abnd free euhed calc xls

SH 70% ltgy-gy, sft-frm, sbwxy-slty, sbplty-sbblky, occ grdg to slty sh, w/ rr lm-lc grn inc, w/ SLTST 25% ltgy-gy, sft-fri, mod grdg to lvfgrn aren, abnd mic, w/ LS 5% wh-offwh, frm, micxln, clky ip, occ in fine lam w/ sltst/sh, occ free anhed calc xls

SH 40% ltgy-gy ltgy-gy, sft-frm, sbwxy-slty, sbplty-sbblky, occ grdg to slty sh, w/ rr lm-lc grn inc, w/ SLTST 40% ltgy-gy, sft-fri, abnd grdg to lvfgrn aren, w/ abnd lm-uc qtz grn incl, abnd mic, w/ SS 10% ltgy-gy, w/ clr-trnsl qtz grns, abnd fri, lm-ucgrn, psrt, sbang-sbrnd, mtx supt in sltst, possble thin lam ss?

SH 90% ltgy-gy, sft-frm, sbwxy-rthy tex, sbplty-sbblky, occ lm-lc qtz grn inc, rr grdg to slty sh, w/ SLTST 10% ltgy-gy, sft-fri, abnd mic, occ grdg to lvfgrn aren, rr foss csts





SH 100% ltgy-gy, sft-frm, sbwxy-rthy tex, sbplty-sbblky, rr micro mic ip, occ lm-lc qtz grn inc, rr grdg to slty sh, w/ rr foss csts

SH 90% ltgy-gy, sft-frm, sbwxy-wxy tex, sbplty-sbblky, rr micro mic ip, occ lm-lc qtz grn inc, rr grdg to slty sh, w/ SLTST 10% ltgy-gy, sft-fri, abnd mic, occ grdg to lvfgrn aren, w/ tr pyr incl in sltst +sh

SH 100% ltgy-gy, occ dkgy ip, sft-frm, sbwxy-wxy tex, sbplty-sbblky, occ rthy tex, rr mic mic ip, occ calc ip, vrr grdg to slty sh

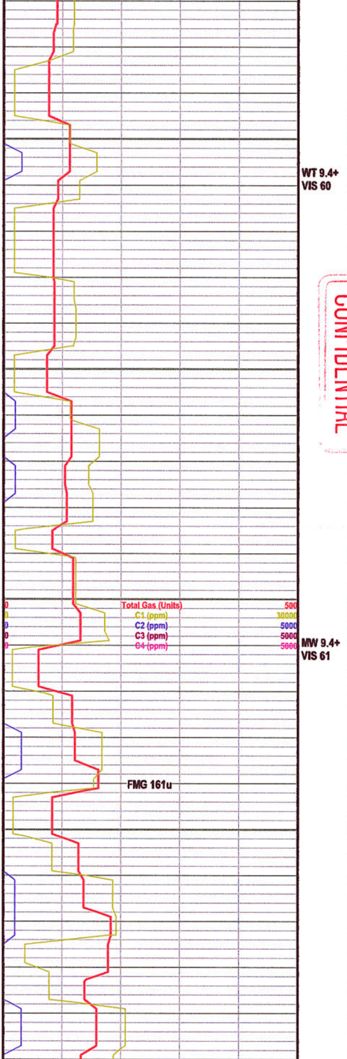
SH 100% ltgy-gy, occ dkgy ip, sft-frm, sbwxy-wxy tex, sbplty-sbblky, mod rthy tex ip, rr mic mic ip, occ calc ip, vrr grdg to slty sh, w/ tr sltst

SH 100% ltgy-gy, occ dkgy ip, sft-frm, sbwxy-wxy tex, sbplty-sbblky, mod rthy tex ip, rr mic mic ip, occ calc ip, vrr grdg to slty sh, w/ tr sltst

SH 60% ltgy-gy, occ dkgy ip, sft-frm, sbwxy-wxy tex, sbplty-sbblky, mod rthy tex ip, rr mic mic ip, occ calc ip, mod grdg to slty sh, w/ SLTST 20% ltgy-gy, sft-fri, abnd grdg to lvfgrn aren, abnd mic, w/ mod-abnd imbd lm-lc qtz grns, w/ SS 20% ltgy-gy, qtz grns clr-trnsl, fri, uf-umgrn, msrt, sbang-sbrnd, mtx supt w/ sltst mtx

SH 70% ltgy-gy, sft-frm, sbwxy-rthty, occ wxy, sbplty-sbblky, occ grdg to sltst, w/ occ lntb lm-uf qtz grns, w/ SLTST 30% ltgy-gy, sft-fri, abnd grdg to lvfgrn aren, abnd mic, w/ mod-abnd imbd lm-lc qtz grns, w/ tr SS aa

SH 95% ltgy-gy, sft-frm, sbwxy-rthty, occ wxy, sbplty-sbblky, occ grdg to sltst, rr mic mic, w/ rr intb lm-uf qtz grns, w/ tr sltst



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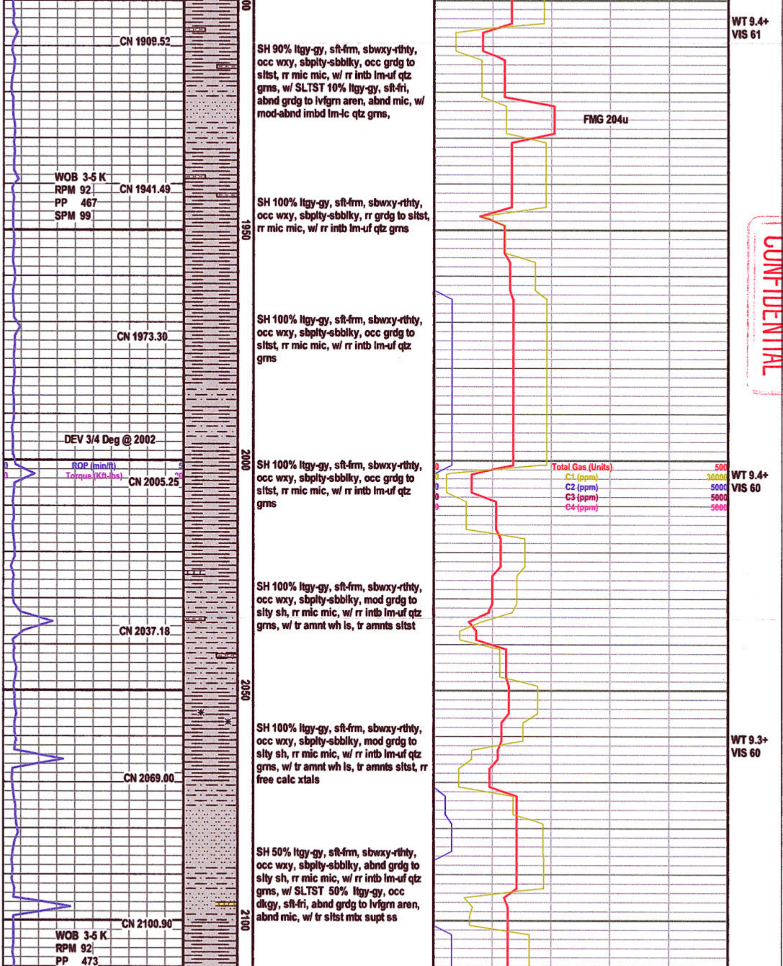

SH 90% ltgy-gy, sft-frm, sbwxy-rthty, occ wxy, sbplty-sbblky, occ grdg to sltst, rr mic mic, w/ rr intb lm-uf qtz grns, w/ SLTST 10% ltgy-gy, sft-fri, abnd grdg to lvfgrn aren, abnd mic, w/ mod-abnd imbd lm-lc qtz grns,

SH 100% ltgy-gy, sft-frm, sbwxy-rthty, occ wxy, sbplty-sbblky, rr grdg to sltst, rr mic mic, w/ rr intb lm-uf qtz grns

SH 100% ltgy-gy, sft-frm, sbwxy-rthty, occ wxy, sbplty-sbblky, occ grdg to sltst, rr mic mic, w/ rr intb lm-uf qtz grns

SH 100% ltgy-gy, sft-frm, sbwxy-rthty, occ wxy, sbplty-sbblky, occ grdg to sltst, rr mic mic, w/ rr intb lm-uf qtz grns

SH 100% ltgy-gy, sft-frm, sbwxy-rthty, occ wxy, sbplty-sbblky, mod grdg to slty sh, rr mic mic, w/ rr intb lm-uf qtz grns, w/ tr amnt wh ls, tr amnts sltst

SH 100% ltgy-gy, sft-frm, sbwxy-rthty, occ wxy, sbplty-sbblky, mod grdg to slty sh, rr mic mic, w/ rr intb lm-uf qtz grns, w/ tr amnt wh ls, tr amnts sltst, rr free calc xtals

SH 50% ltgy-gy, sft-frm, sbwxy-rthty, occ wxy, sbplty-sbblky, abnd grdg to slty sh, rr mic mic, w/ rr intb lm-uf qtz grns, w/ SLTST 50% ltgy-gy, occ dkgy, sft-fri, abnd grdg to lvfgrn aren, abnd mic, w/ tr sltst mtx supt ss

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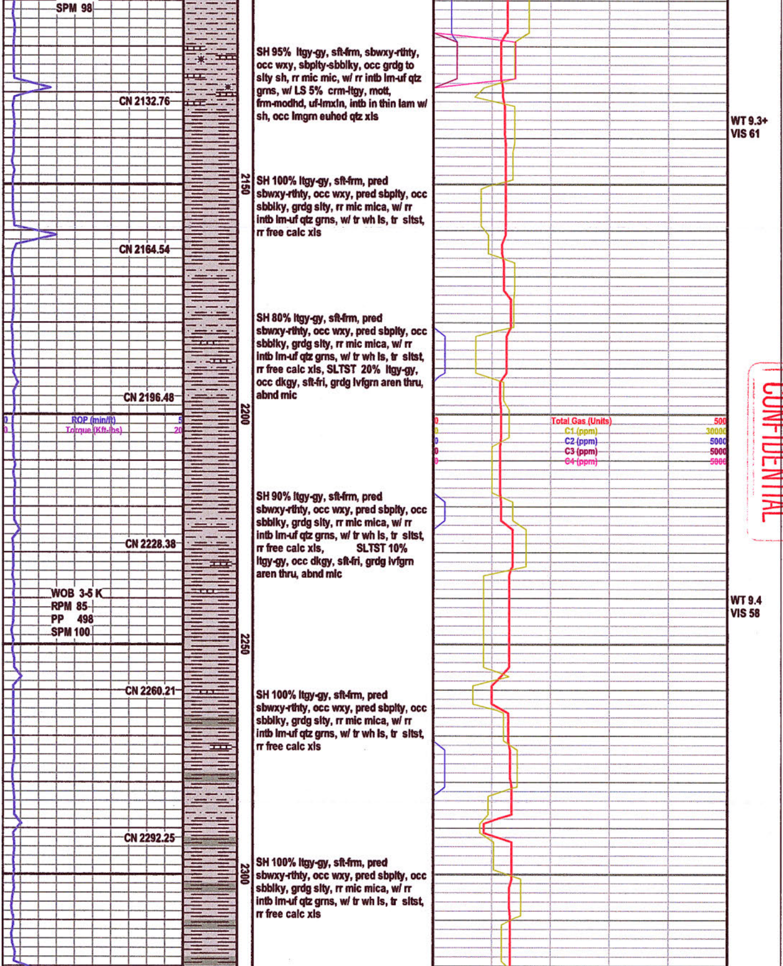

SH 95% ltgy-gy, sft-frm, sbwxy-rthty, occ wxy, sbplty-sbblky, occ grdg to slty sh, rr mic mic, w/ rr intb lm-uf qtz grns, w/ LS 5% crm-ltgy, mott, frm-modhd, uf-lmxln, intb in thin lam w/ sh, occ lmgrn euhed qtz xls

SH 100% ltgy-gy, sft-frm, pred sbwxy-rthty, occ wxy, pred sbplty, occ sbblky, grdg slty, rr mic mica, w/ rr intb lm-uf qtz grns, w/ tr wh ls, tr sltst, rr free calc xls

SH 80% ltgy-gy, sft-frm, pred sbwxy-rthty, occ wxy, pred sbplty, occ sbblky, grdg slty, rr mic mica, w/ rr intb lm-uf qtz grns, w/ tr wh ls, tr sltst, rr free calc xls, SLTST 20% ltgy-gy, occ dkgy, sft-fri, grdg lvfgrn aren thru, abnd mic

SH 90% ltgy-gy, sft-frm, pred sbwxy-rthty, occ wxy, pred sbplty, occ sbblky, grdg slty, rr mic mica, w/ rr intb lm-uf qtz grns, w/ tr wh ls, tr sltst, rr free calc xls, SLTST 10% ltgy-gy, occ dkgy, sft-fri, grdg lvfgrn aren thru, abnd mic

SH 100% ltgy-gy, sft-frm, pred sbwxy-rthty, occ wxy, pred sbplty, occ sbblky, grdg slty, rr mic mica, w/ rr intb lm-uf qtz grns, w/ tr wh ls, tr sltst, rr free calc xls

SH 100% ltgy-gy, sft-frm, pred sbwxy-rthty, occ wxy, pred sbplty, occ sbblky, grdg slty, rr mic mica, w/ rr intb lm-uf qtz grns, w/ tr wh ls, tr sltst, rr free calc xls

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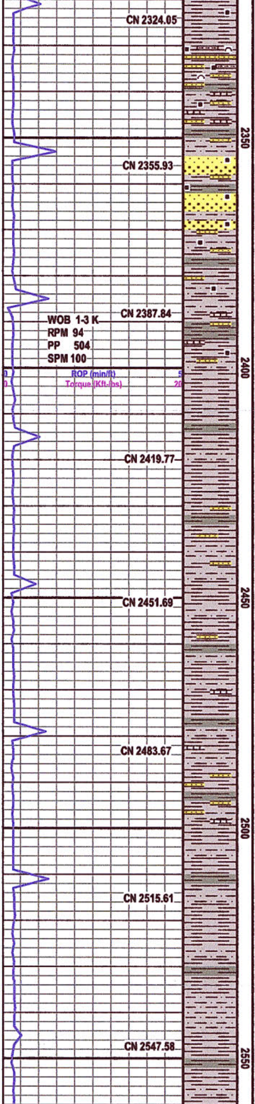


SS 20% ltgy-gy, clr-trans, uf-um gr, sbang-sbrnd, fri, msrt, qtz grns, slty-shly mtx supt, pred thn alt lam, grdg aren-varen, occ f-g int grn por, sig incr carb incl & rf, LS 10% ltgy-off wh, WS-PS, arg-slty, occ rf, cont thn alt lam, SH 70% ltgy-gy, sft-frm, pred sbwxy-wxy, sbplty-sbblky, grdg slty

SS 30% ltgy-gy, motl, uf-lm gr, ang-sbang, pred shly & slty mtx supt, sig incr qtz, occ ark, incr mica, decr vis por, incr lse grns, SLTST 30% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to SH 40% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty

SH 100% ltgy-gy, sft-frm, pred sbwxy-rthty, occ wxy, pred sbplty, occ sbblky, grdg slty, rr mic mica, w/ rr intb lm-uf qtz grns, w/ tr wh ls, tr sltst, rr free calc xls

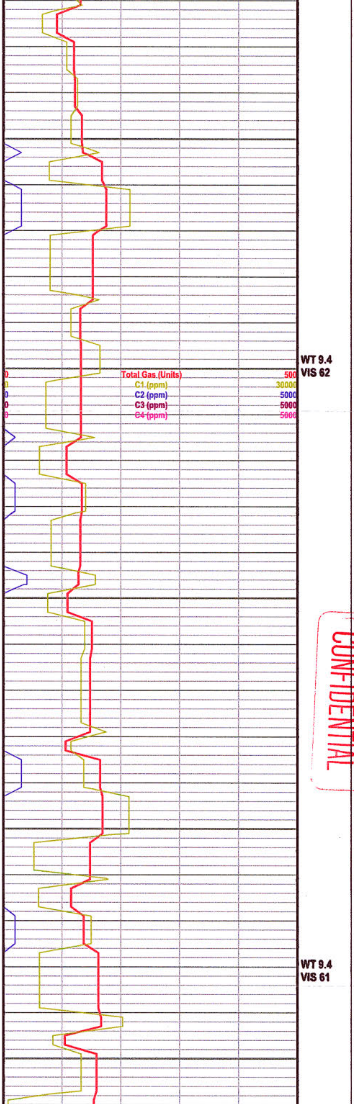
SH 70% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to SS 10% ltgy-gy, motl, uf-lm gr, ang-sbang, pred shly & slty mtx supt, sig incr qtz, occ ark, incr mica, decr vis por, incr lse grns

SH 80% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam

SS 15% ltgy-gy, motl, uf-lm gr, ang-sbang, pred shly & slty mtx supt, sig incr qtz, occ ark, incr mica, decr vis por, incr lse grns, SLTST 35% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to SH 50% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty

SH 100% ltgy-gy, sft-frm, pred sbwxy-rthty, occ wxy, pred sbplty, occ sbblky, grdg slty, rr mic mica, w/ rr intb lm-uf qtz grns, w/ tr wh ls, tr sltst, rr free calc xls

SH 80% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam, TR weathered & rewkd TUFF



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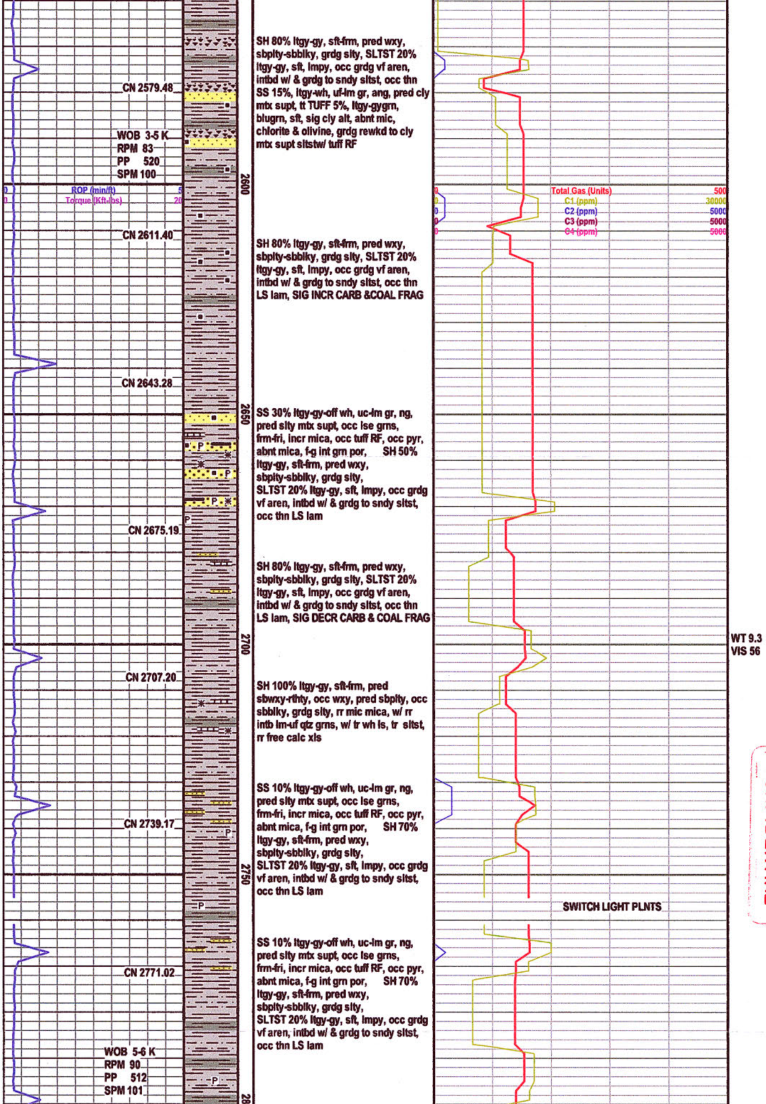

SH 80% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn SS 15%, ltgy-wh, uf-lm gr, ang, pred cly mtx supt, tt TUFF 5%, ltgy-gygrn, blugrn, sft, sig cly alt, abnt mic, chlorite & olivine, grdg rewkd to cly mtx supt sltstw/ tuff RF

SH 80% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam, SIG INCR CARB &COAL FRAG

SS 30% ltgy-gy-off wh, uc-lm gr, ng, pred slty mtx supt, occ lse grns, frm-fri, incr mica, occ tuff RF, occ pyr, abnt mica, f-g int grn por, SH 50% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam

SH 80% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam, SIG DECR CARB & COAL FRAG

SH 100% ltgy-gy, sft-frm, pred sbwxy-rthty, occ wxy, pred sbplty, occ sbblky, grdg slty, rr mic mica, w/ rr intb lm-uf qtz grns, w/ tr wh ls, tr sltst, rr free calc xls

SS 10% ltgy-gy-off wh, uc-lm gr, ng, pred slty mtx supt, occ lse grns, frm-fri, incr mica, occ tuff RF, occ pyr, abnt mica, f-g int grn por, SH 70% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam

SS 10% ltgy-gy-off wh, uc-lm gr, ng, pred slty mtx supt, occ lse grns, frm-fri, incr mica, occ tuff RF, occ pyr, abnt mica, f-g int grn por, SH 70% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam

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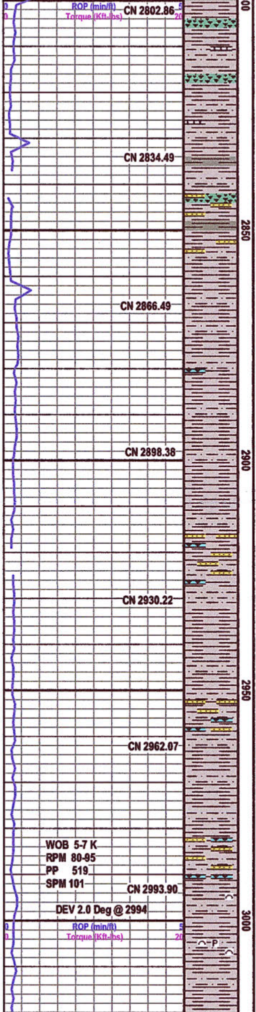


TUFF 5%, lt blugy, blugrn, gygrn, frm-sft, plty, sig cly alt, gran tex, uf-lm pheno, olivine, chlorite, abnt mica, w/ occ cly repl, abnt mic pyr repl, SH 70% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam

SH 70% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam, SS 10% ltgy-gy-off wh, uc-lm gr, ng, pred slty mtx supt, occ lse grns, frm-fri, incr mica, occ tuff RF, occ pyr, abnt mica, f-g int grn por, TUFF 5%, lt blugy, blugrn, gygrn, frm-sft, plty, sig cly alt, gran tex, uf-lm pheno, olivine, chlorite, abnt mica, w/ occ cly repl, abnt mic pyr repl,

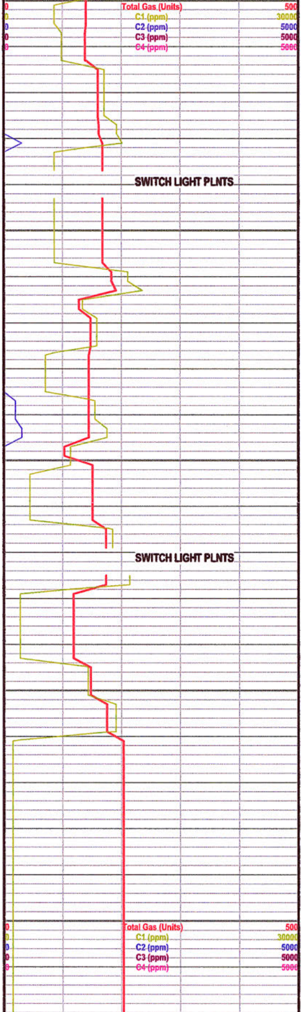
SH 70% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 30% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam

SH 70% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 30% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam

SS 10% ltgy-gy-off wh, uc-lm gr, ng, pred slty mtx supt, occ lse grns, frm-fri, incr mica, occ tuff RF, occ pyr, abnt mica, f-g int grn por, SH 70% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam

SS 10% ltgy-gy-off wh, uc-lm gr, ng, pred slty mtx supt, occ lse grns, frm-fri, incr mica, occ tuff RF, occ pyr, abnt mica, f-g int grn por, SH 70% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam

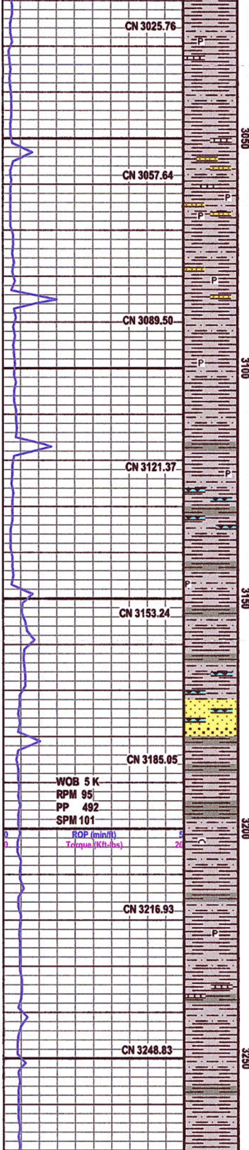
SS 15% ltgy-gy-off wh, uc-lm gr, ng, pred slty mtx supt, occ lse grns, frm-fri, incr mica, occ tuff RF, occ pyr, abnt mica, f-g int grn por, SH 70% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam



WT 9.1 IN
9.3 OUT
VIS 50

WT 9.2 IN
9.1 OUT
VIS 51

CONFIDENTIAL



SH 70% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 30% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam

SS 10% ltgy-gy-off wh, uc-lm gr, ng, pred slty mtx supt, occ lse grns, frm-fri, Incr mica, occ tuff RF, occ pyr, abnt mica, f-g int grn por, SH 70% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 30% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam

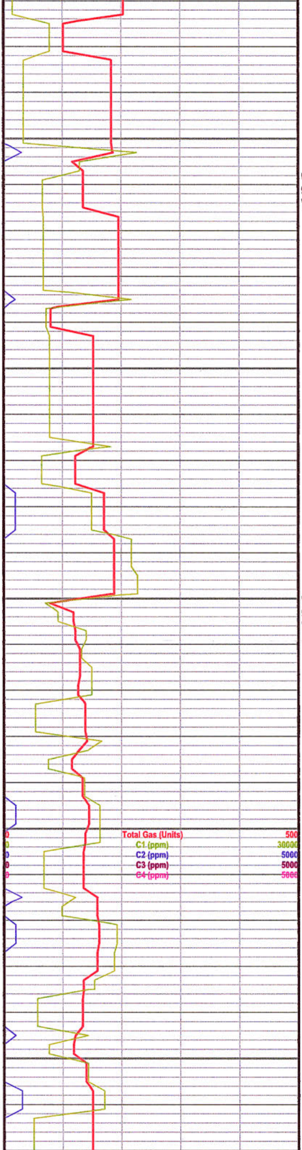
SH 70% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 30% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam

TUFF 2%, lt blugy, blugrn, gygrn, frm-sft, plty, sig cly alt, gran tex, uf-lm pheno, olivine, chlorite, abnt mica, w/ occ cly repl, abnt mic pyr repl, SH 83% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 15% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam

SS 30% ltgy-gy-off wh, uc-lm gr, ang, pred slty mtx supt, abnt lse grns, frm-fri, incr mica, occ tuff RF, occ pyr, abnt mica, f-g int grn por, SH 48% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam
TUFF 2%, lt blugy, blugrn, gygrn, frm-sft, plty, sig cly alt, gran tex, uf-lm pheno, olivine, chlorite, abnt mica, w/ occ cly repl, abnt mic pyr repl

SH 70% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 30% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam

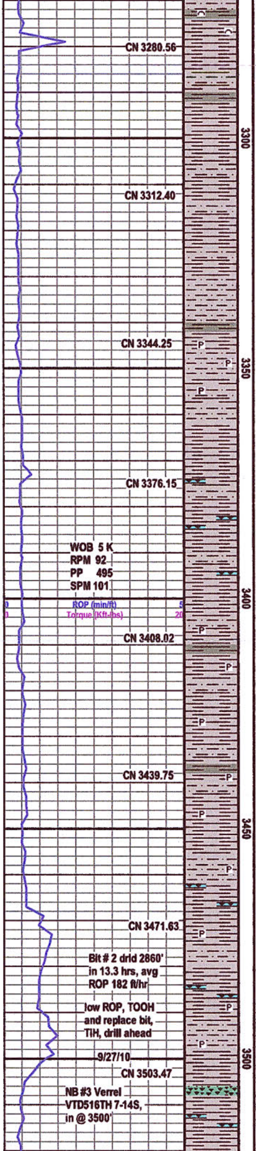
SH 80% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty, SLTST 20% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam



WT 9.2 IN
9.2 OUT
VIS 50

WT 9.3 IN
9.1 OUT
VIS 50

CONFIDENTIAL



WOB 5 K
RPM 92
PP 495
SPM 101

Bit # 2 drld 2860' in 13.3 hrs, avg ROP 182 ft/hr

low ROP, TOOH and replace bit, TIH, drill ahead

9/27/10

NB #3 Verrel VTD516TH 7-14S, in @ 3500'

SH 90% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty,
SLTST 10% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, occ thn LS lam

SH 95% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty,
SLTST 5% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst

SH 85% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, grdg slty,
SLTST 15% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, mod-occ free msv pyr cltst (1-3mm)

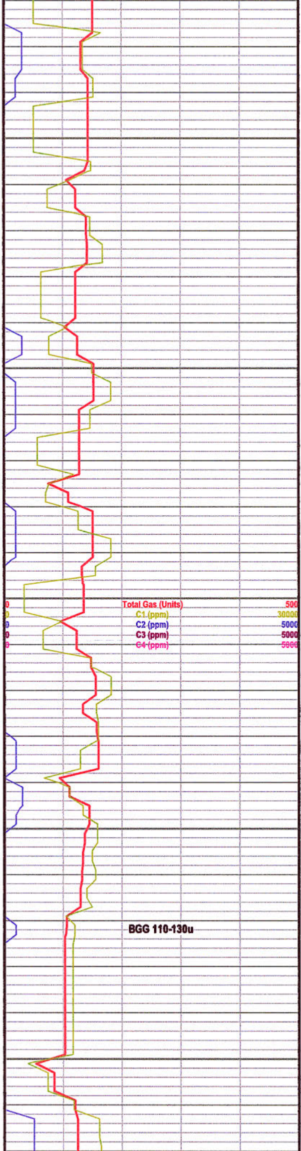
SH 95% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, rr grdg slty, occ mic mica, w/ TUFF 5% lt blugy, blugrn, gygrn, occ mott, frm-sft, plty, sig cly alt, gran tex, vf pheno, plag, kspar? w/ occ cly repl, abnt mic pyr repl

SH 90% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, rr grdg slty,
SLTST 10% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, mod-occ free msv pyr cltst (1mm), w/ trace tuff aa

SH 85% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, rr grdg slty,
SLTST 15% ltgy-gy, sft, lmpy, occ grdg vf aren, intbd w/ & grdg to sndy sltst, mod-occ free msv pyr cltst (1mm)

SH 95% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, rr grdg slty, occ mic mica, w/ TUFF 5% lt blugy, blugrn, gygrn, occ mott, frm-sft, plty, sig cly alt, gran tex, vf pheno, plag, kspar?, w/ occ to mod imbd pyr, tr free pyr

SH 90% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, rr grdg slty, occ mic mica, w/ TUFF 10% lt blugy, blugrn, gygrn, occ mott, frm-sft, plty, sig cly alt, gran tex, f-m pheno, plag + kspar? in cly grndmass, w/ tr free mica



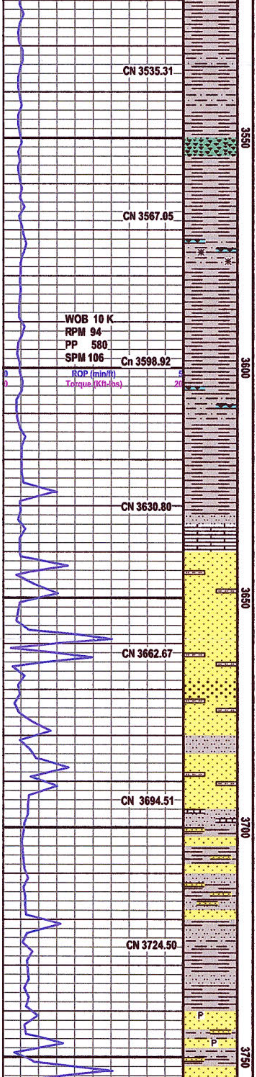
BGG 110-130u

WT 9.1+
VIS 50

MW 9.3
VIS 62

MW 9.3
VIS 59

CONFIDENTIAL



SH 100% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, rr grdg slty, rr mic mica, w/ tr TUFF, aa

SH 90% ltgy-gy, sft-frm, pred wxy, sbplty-sbblky, rr grdg slty, occ mic mica, w/ TUFF 10% lt blugy, blugrn, gygrn, occ mott, frm-sft, plty, sl-mod calc, sig cly alt, gran tex, f-m pheno, plag + kspar? in cly grndmass, w/ sig mic pyr alt

SH 100% ltgy-gy, occ grgdg to crmgy, sft-frm, pred wxy, sbplty-sbblky, occ grdg slty, rr mic mica, w/ tr TUFF aa, w/ tr free calc xls

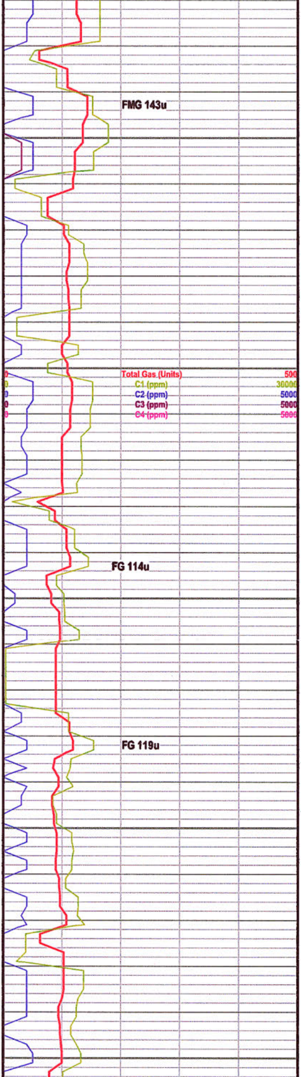
SH 100% ltgy-gy, occ grgdg to crmgy, sft-frm, pred wxy, sbplty-sbblky, occ grdg slty, rr mic mica, w/ tr TUFF, w/ tr free calc xls

SS 70% wh-offwh, qtz grns clr-trnsl, abnd fri, lse grns, mgrn, occ lc grn, msrt, sbang-sbrnd, mtx supt in cly mtx, mod-vcalc, mod-abnd mica, w/ LS 10% wh-offwh-crm, frm-modhd, mic-fxln, abnd micr ip, w/ mod-abnd imbd qtz grns, w/ SLTST 10% ltgy-gy, fri, abnd mic, grdg to lvfgr aren

SS 80% wh-offwh, qtz grns clr-trnsl, abnd fri, lse grns, mgrn, lc grn ip, psrt, sbang-sbrnd, mtx supt in cly/calc mtx, mod-vcalc, mod-abnd mica, w/ SLTST 20% ltgy-gy, fri, abnd mic, grdg to lvfgr aren, occ imbd lm-lc qtz grns, w/ tr strngrs ls

SS 30% wh-offwh, qtz grns clr-trnsl, abnd fri, lse grns, mgrn, lc grn ip, psrt, sbang-sbrnd, mtx supt in cly/calc mtx, mod-vcalc, mod-abnd mica, w/ SLTST 70% ltgy-gy, fri, abnd mic, grdg to lvfgr aren, occ imbd lm-lc qtz grns, w/ tr strngrs ls

SH 60% ltgy-gy, occ grgdg to crmgy, sft-frm, pred wxy, sbplty-sbblky, occ grdg slty, rr mic mica, w/ tr TUFF, w/ tr free calc xls, SLTST 40% ltgy-gy, fri, abnd mic, grdg to lvfgr aren, occ imbd lm-lc qtz grns, w/ tr strngrs ls



WT 9.3
VIS 61

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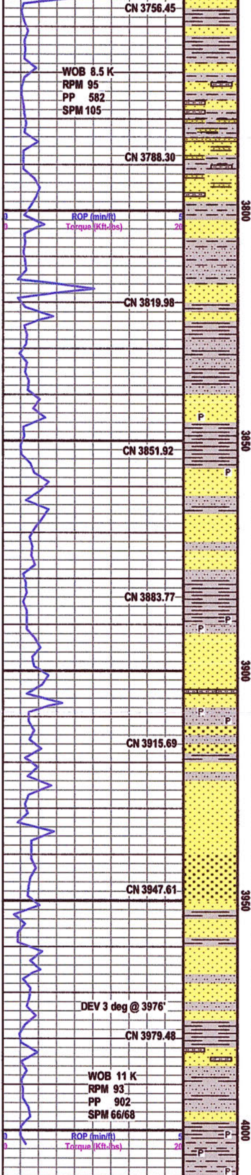


SS 30% off wh-wh, ltgy, lc-um gr, ang-sbang, pred lse grns, occ frm-fri clust w/ cly &slty mtx supt, sl calc-calc cmt, abnt-occ mica,SLTST 70% ltgy-gy, fri, abnd mic, grdg to lvfgr aren, occ imbd lm-lc qtz grns, w/ tr strngrs ls

SS 60% wh-offwh, qtz grns clr-trnsl, abnd fri, lse grns, mgrn, lc grn ip, psrt, sbang-sbrnd, mtx supt in cly/calc mtx, mod-vcalc, mod-abnd mica, w/ SLTST 40% ltgy-gy, fri, abnd mic, grdg to lvfgr aren, occ imbd lm-lc qtz grns, w/ tr strngrs ls

SH 60% ltgy-gy, occ grgdg to crmgy, sft-frm, pred wxy, sbplty-sbblky, occ grdg slty, rr mic mica, w/ tr TUFF, w/ tr free calc xls, SLTST 40% ltgy-gy, fri, abnd mic, grdg to lvfgr aren, occ imbd lm-lc qtz grns, w/ tr strngrs ls

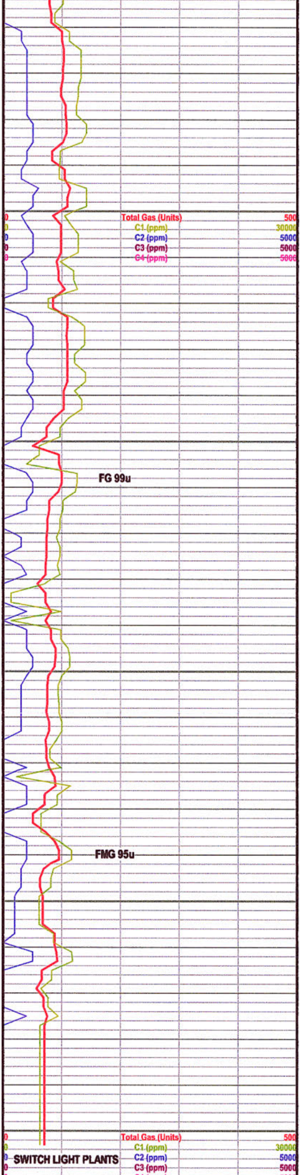
SS 80% off wh-wh, ltgy, lc-um gr, ang-sbang, pred lse grns, occ frm-fri clust w/ cly &slty mtx supt, sl calc-calc cmt, abnt-occ mica, SLTST 20% ltgy-gy, fri-frm, blky-lmpy, grdg to and intbd w/ thn vf aren strngs, occ imbedded lm-c qtz grains, occ rf, occ thn chlky ls strngs

SS 80% off wh-ltgy-wh, uf-um gr, sbrnd-rnd, abnt lse grns, pred grn supt, pred cly mtx occ slty mtx, abnt wh cly flake, f-p srt, intbd w/ and grdg to cly & arg mtx supt SLTST 20%

SS 95% off wh-ltgy-crm, lf-um gr, sbrnd-rnd, occ lvc-uc, clr ang, cont pred wh cly mtx supt, occ grdg slty mtx supt, sl-v calc cmt, f-p srt, abnt mica, occ pyr, tr chlorite, f-g int grn por, intbd w/ SLTST 5%, pred frm-fri cly & arg mtx supt

SS 90% off wh-wh, ltgy, uf-lc gr, sbang-sbrnd, pred lse grns, vp srt, occ frm-fri clust w/ cly &slty mtx supt, sl calc-calc cmt, abnt-occ mica, SLTST 10% ltgy-gy-crm, frm-fri, lmpy, abnt mic, occ vf aren

SLTST 75 % ltgy-gy, fri-frm, blky-lmpy, grdg to and intbd w/ thn vf aren strngs, occ imbedded lm-c qtz grains, occ rf, occ thn chlky ls strngs SS 25% off wh-ltgy-crm, lf-lm gr, sbrnd-rnd, occ lvc-uc, clr ang, cont pred wh cly mtx supt, occ grdg slty mtx supt, sl-v calc cmt, f-p srt, abnt mica, occ pyr



WT 9.3
VIS 60

WT 9.3
VIS 60

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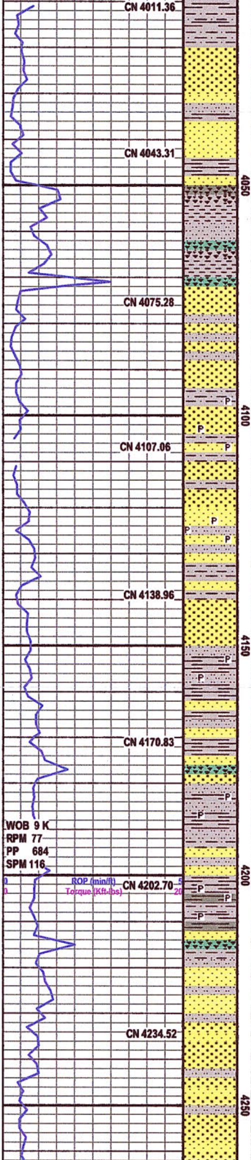
WT 9.3
VIS 60



SS 100% wh-brite wh-crm, uvc-im gr, sbrnd-ang, pred lse grns, occ fri, cly mtx supt clust, occ mica, grdg sl calc-calc, occ thn strngs crxl LS, occ thn strngs cly mtx supt sltst

TUFF 60% ltgy-gy-gygrn, hd-vhd, blky-sb blky, rthy-sm tex, occ mica & olivine, occ sig cly alt, occ qtz rf, intbd w/ cly occ grdg sl slty CLY 40% ltgy-off wh-crm-tan, frm-vsft, occ grdg sl slty, abnt mica, pos bentonite

SS 100% off wh-wh-crm, occ ltgy, um-lc gr, sbrnd-sbang, p-vp srt, pred lse grns, occ fri-frm cly mtx supt clust, abnt l vc qtz grns, occ-abnt mica, sl-calc cmt, occ slty mtx supt clust, occ thn slty lam

SS 85% wh-brite wh-crm, pred u-l m gr, occ u-l c gr, sbrnd-ang, pred lse grns, occ fri, cly mtx supt clust, occ mica, grdg sl calc-calc, occ thn strngs crxl LS, occ thn strngs cly mtx supt sltst, SLTST 15% ltgy-gy, sft-fri, cly mtx supt, occ vf aren

SLTST 60% ltgy-gy, sft-fri, cly mtx supt, occ vf aren, ingr arg mts supt, sig incr pyr, occ pyr repl mtx, SS 85% wh-brite wh-crm, pred u-l f gr, occ u-l c gr, sbrnd-ang, pred lse grns, occ fri, cly mtx supt clust, occ mica, grdg sl calc-calc, occ thn strngs crxl LS

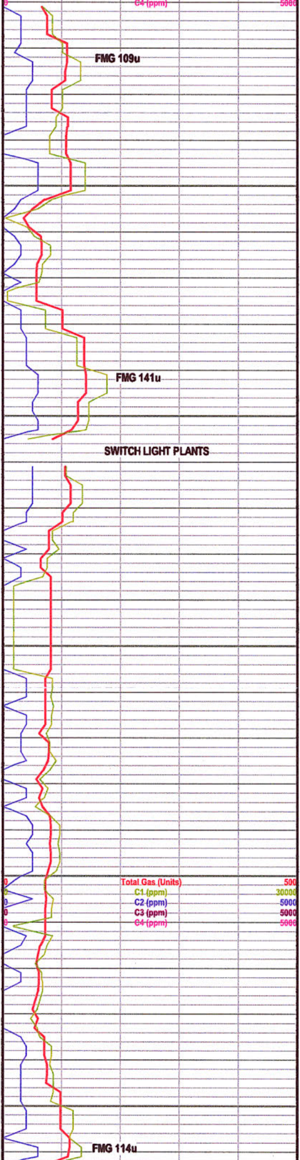
SLTST 60% ltgy-gy, sft-fri, cly mtx supt, occ vf aren, ingr arg mts supt, sig incr pyr, occ pyr repl mtx, abnt the ares strngs, SH 40% ltgy-gy sft-frm, plty-blky, abnt mica, occ thn slty & vf aren lam

SS 30% ltgy-gy, pred u-l m gr, grdg uf gr, sbrnd-rnd, decr lse grns, incr fri cly mtx supt clust, occ mica, grdg sl calc-calc, occ thn strngs crxl LS, occ thn strngs cly mtx supt sltst, SLTST 50% ltgy-gy, sft-fri, cly mtx supt, occ vf aren

SH 70% lt-med gy, occ dkgy, frm-mod hd, plty-blky, sm-rthy tex-occ sbwxy tex, occ mica, intbd w/ thn slty lam, occ vthn crxl LS lam, SLTST 30%

TUFF 10% ltgygrn-blugy, frm-hd, blky-sb plty, sm tex, abnt cly repl xls, occ olivine & chlor, intbd w/ & grdg to vf aren SLTST 45% ltgy-gy, sft-fri, cly mtx supt, SS 45% SS 85% wh-brite wh-crm, pred u-l f gr, occ u-l c gr, sbrnd-ang, pred lse grns, occ fri, cly mtx supt clust, occ mica, grdg sl calc-calc, occ thn strngs crxl LS

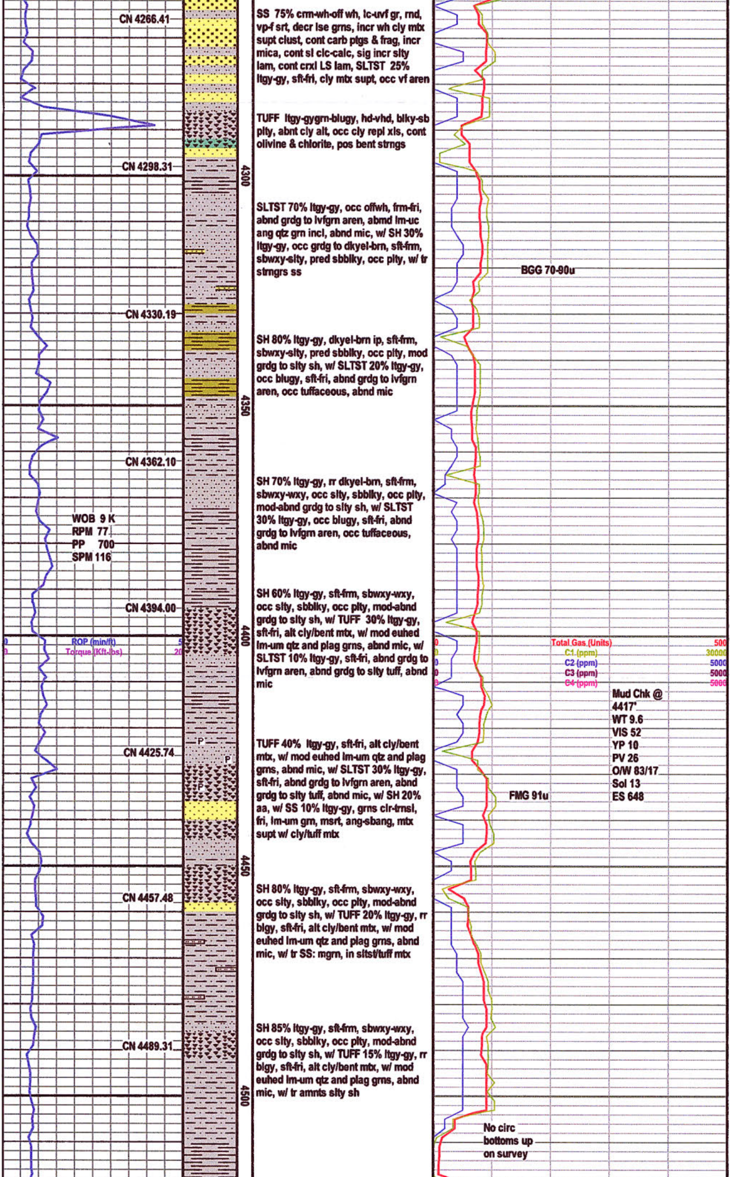
SS 100% wh-crm-off wh, lvc-uf gr, ang-rnd, vvp srt, pred lse grns, occ wh cly mtx supt clust, sig incr carb ptgs & frag, incr mica, cont sl clc-calc, decr slty lam, incr crxl LS lam



WT 9.3
VIS 60

WT 9.3
VIS 60

CONFIDENTIAL



SS 75% crm-wh-off wh, lc-uvf gr, rnd, vp-f srt, decr lse grns, incr wh cly mtx supt clust, cont carb ptgs & frag, incr mica, cont sl clc-calc, sig incr slty lam, cont crxl LS lam, SLTST 25% ltgy-gy, sft-fri, cly mtx supt, occ vf aren

TUFF ltgy-gygrn-blugy, hd-vhd, blky-sb plty, abnt cly alt, occ cly repl xls, cont olivine & chlorite, pos bent strngs

SLTST 70% ltgy-gy, occ offwh, frm-fri, abnd grdg to lvfgrn aren, abmd lm-uc ang qtz grn incl, abnd mic, w/ SH 30% ltgy-gy, occ grdg to dkyel-brn, sft-frm, sbwxy-slty, pred sbblky, occ plty, w/ tr strngrs ss

SH 80% ltgy-gy, dkyel-brn ip, sft-frm, sbwxy-slty, pred sbblky, occ plty, mod grdg to slty sh, w/ SLTST 20% ltgy-gy, occ blugy, sft-fri, abnd grdg to lvfgrn aren, occ tuffaceous, abnd mic

SH 70% ltgy-gy, rr dkyel-brn, sft-frm, sbwxy-wxy, occ slty, sbblky, occ plty, mod-abnd grdg to slty sh, w/ SLTST 30% ltgy-gy, occ blugy, sft-fri, abnd grdg to lvfgrn aren, occ tuffaceous, abnd mic

WOB 9 K
RPM 77
PP 700
SPM 116

SH 60% ltgy-gy, sft-frm, sbwxy-wxy, occ slty, sbblky, occ plty, mod-abnd grdg to slty sh, w/ TUFF 30% ltgy-gy, sft-fri, alt cly/bent mtx, w/ mod euhed lm-um qtz and plag grns, abnd mic, w/ SLTST 10% ltgy-gy, sft-fri, abnd grdg to lvfgrn aren, abnd grdg to slty tuff, abnd mic

TUFF 40% ltgy-gy, sft-fri, alt cly/bent mtx, w/ mod euhed lm-um qtz and plag grns, abnd mic, w/ SLTST 30% ltgy-gy, sft-fri, abnd grdg to lvfgrn aren, abnd grdg to slty tuff, abnd mic, w/ SH 20% aa, w/ SS 10% ltgy-gy, grns clr-trnsl, fri, lm-um grn, msrt, ang-sbang, mtx supt w/ cly/tuff mtx

SH 80% ltgy-gy, sft-frm, sbwxy-wxy, occ slty, sbblky, occ plty, mod-abnd grdg to slty sh, w/ TUFF 20% ltgy-gy, rr blgy, sft-fri, alt cly/bent mtx, w/ mod euhed lm-um qtz and plag grns, abnd mic, w/ tr SS: mgrn, in sltst/tuff mtx

SH 85% ltgy-gy, sft-frm, sbwxy-wxy, occ slty, sbblky, occ plty, mod-abnd grdg to slty sh, w/ TUFF 15% ltgy-gy, rr blgy, sft-fri, alt cly/bent mtx, w/ mod euhed lm-um qtz and plag grns, abnd mic, w/ tr amnts slty sh

Mud Chk @
4417'
WT 9.6
VIS 52
YP 10
PV 26
O/W 83/17
Sol 13
ES 648

No circ
bottoms up
on survey

MW 9.4
VIS 60

MW 9.5
VIS 60

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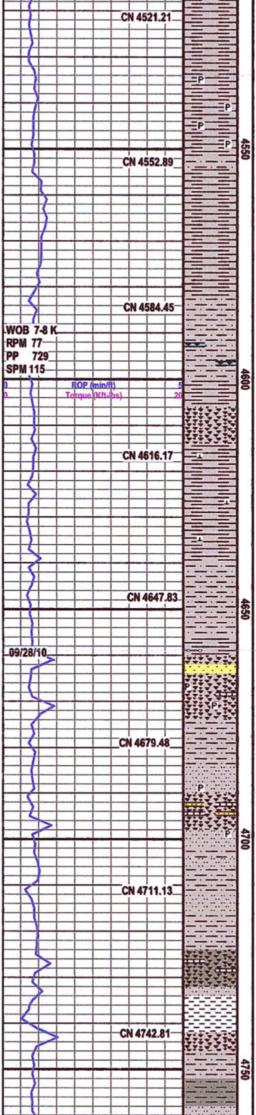


SH 100% ltgy-gy, sft-frm, sbwxy-wxy, pred sbplty-sbblky, w/ rr mgrn qtz grn inc, w/ occ-mod free pyr (<1mm)

SH 100% ltgy-gy, sft-frm, sbwxy-wxy, pred sbplty-sbblky, w/ rr mgrn qtz grn inc, w/ occ-mod free pyr (<1mm)

SH 100% ltgy-gy, sft-frm, sbwxy-wxy, pred sbplty-sbblky, w/ rr mgrn qtz grn inc, w/ tr amnt TUFF blu-blugy, frm-fri, abnd cly alt grndmass, w/ vis lm plag xtals

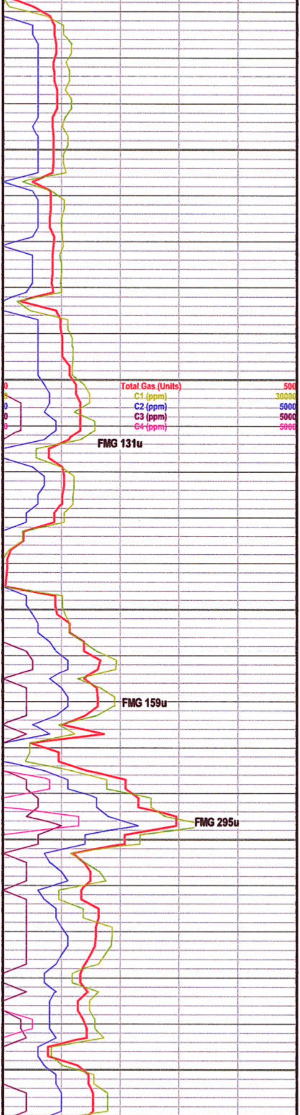
SH 80% ltgy-gy, sft-frm, sbwxy-wxy, pred sbplty-sbblky, w/ rr mgrn qtz grn inc, w/ TUFF 20% ltgy-offwh, frm, occ fri, abnd calc/cly grndmass, occ-mod lmgrn plag xtals, w/ occ-mod free calc conc

SH 100% ltgy-gy, sft-frm, sbwxy-wxy, pred sbplty-sbblky, w/ occ mgrn qtz grn inc, grdg to slty sh, occ calc ip

TUFF 40% ltgy-gy, occ offwh, fri-frm, abnd lm-uc qtz grns, occ lm plag xtals, mod-abnd mic pyr, abnd calc ip, w/ intb ls, grdg to cly/calc mtx supt ss, w/ SH 40% ltgy-gy, sft-frm, sbwxy-wxy, pred sbplty-sbblky, w/ occ mgrn qtz grn inc, grdg to slty sh, occ calc ip, w/ SLTST 10% ltgy-gy, frm-fri, occ-pred calc, abnd mic mica w/ SS 5% offwh-wh, fri, mgrn, msrt, ang-sbang, mtx supt w/ cly/sltst/tuff mtx, w/ tr amnt LS

SLTST 50% ltgy-gy frm, mod calc, occ vcalc, abnd grdg to slty sh, w/ SH 30% ltgy-gy, ltgy-gy, rr dkgy, sbwxy-slty, grdg to shly sltst, w/ TUFF 20% dkgy-gyblk, frm-hd, tr vis hornblende, mod mic, abnd slty, w/ tr LS

SH 60% ltgy-gy, dkgy-gyblk ip, frm-modhd, blky-sbplty, sbwxy-slty tex, occ mgrn qtz grn incl, grnd to shly sltst, w/ CLYST 30% wh-offwh, frm, wxy, mod-vcalc, grdg to ltgy sh, w/ SLTST 10% ltgy-gy, fri-frm, abnd calc ip, mod mic

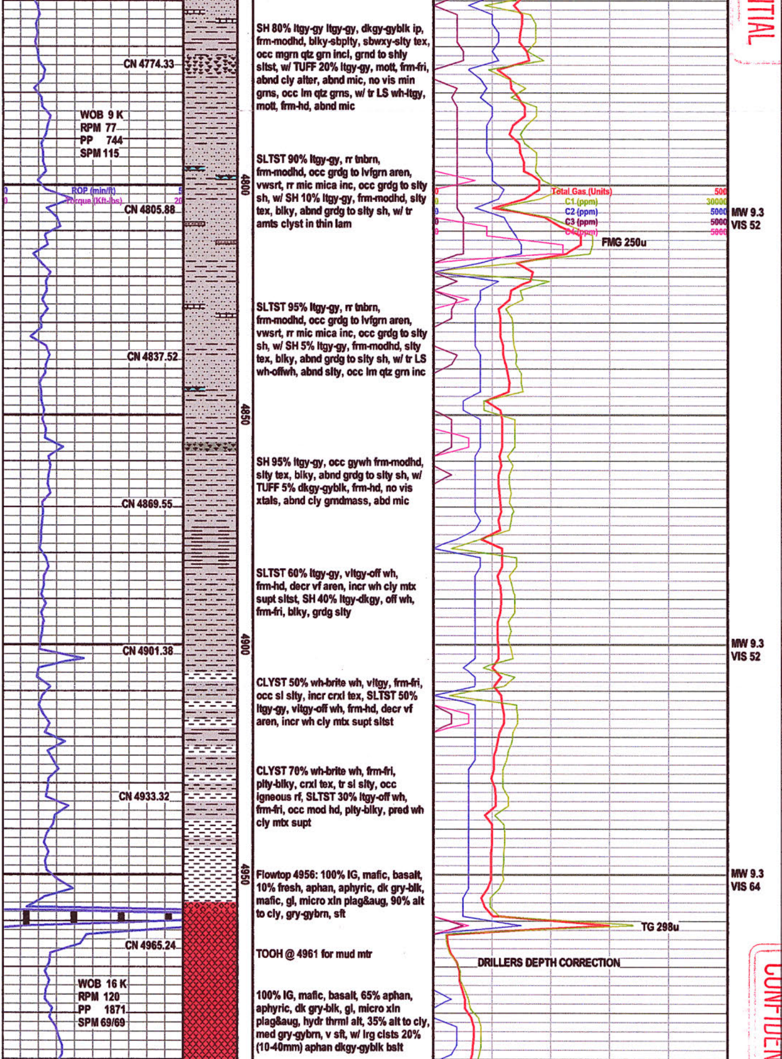


MW 9.4
VIS 54

MW 9.3
VIS 51

MW 9.3
VIS 51

CONFIDEN



SH 80% ltgy-gy ltgy-gy, dkgy-gyblk ip, frm-modhd, blky-sbplty, sbwxy-slty tex, occ mgrn qtz grn incl, grnd to shly sltst, w/ TUFF 20% ltgy-gy, mott, frm-fri, abnd cly alter, abnd mic, no vis min grns, occ lm qtz grns, w/ tr LS wh-ltgy, mott, frm-hd, abnd mic

SLTST 90% ltgy-gy, rr tnbrn, frm-modhd, occ grdg to lvfgrn aren, vwsrt, rr mic mica inc, occ grdg to slty sh, w/ SH 10% ltgy-gy, frm-modhd, slty tex, blky, abnd grdg to slty sh, w/ tr amts clyst in thin lam

SLTST 95% ltgy-gy, rr tnbrn, frm-modhd, occ grdg to lvfgrn aren, vwsrt, rr mic mica inc, occ grdg to slty sh, w/ SH 5% ltgy-gy, frm-modhd, slty tex, blky, abnd grdg to slty sh, w/ tr LS wh-offwh, abnd slty, occ lm qtz grn inc

SH 95% ltgy-gy, occ gywh frm-modhd, slty tex, blky, abnd grdg to slty sh, w/ TUFF 5% dkgy-gyblk, frm-hd, no vis xtals, abnd cly grndmass, abd mic

SLTST 60% ltgy-gy, vltgy-off wh, frm-hd, decr vf aren, incr wh cly mtx supt sltst, SH 40% ltgy-dkgy, off wh, frm-fri, blky, grdg slty

CLYST 50% wh-brite wh, vltgy, frm-fri, occ sl slty, incr crxl tex, SLTST 50% ltgy-gy, vltgy-off wh, frm-hd, decr vf aren, incr wh cly mtx supt sltst

CLYST 70% wh-brite wh, frm-fri, plty-blky, crxl tex, tr sl slty, occ igneous rf, SLTST 30% ltgy-off wh, frm-fri, occ mod hd, plty-blky, pred wh cly mtx supt

Flowtop 4956: 100% IG, mafic, basalt, 10% fresh, aphan, aphyric, dk gry-blk, mafic, gl, micro xln plag&aug, 90% alt to cly, gry-gybrn, sft

TOOH @ 4961 for mud mtr

100% IG, mafic, basalt, 65% aphan, aphyric, dk gry-blk, gl, micro xln plag&aug, hydr thrml alt, 35% alt to cly, med gry-gybrn, v sft, w/ lrg clsts 20% (10-40mm) aphan dkgy-gyblk bslt

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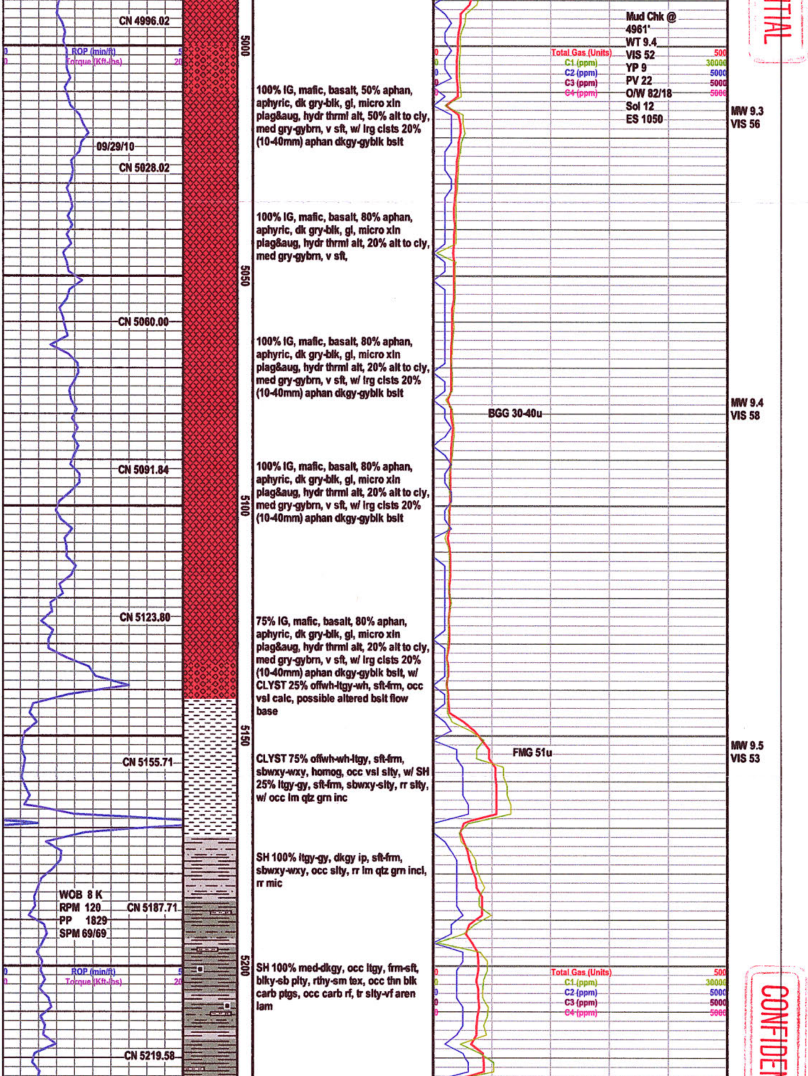

100% IG, mafic, basalt, 50% aphan, aphyric, dk gry-blk, gl, micro xln plag&aug, hydr thrml alt, 50% alt to cly, med gry-gybrn, v sft, w/ lrg clsts 20% (10-40mm) aphan dkgy-gyblk bslt

100% IG, mafic, basalt, 80% aphan, aphyric, dk gry-blk, gl, micro xln plag&aug, hydr thrml alt, 20% alt to cly, med gry-gybrn, v sft,

100% IG, mafic, basalt, 80% aphan, aphyric, dk gry-blk, gl, micro xln plag&aug, hydr thrml alt, 20% alt to cly, med gry-gybrn, v sft, w/ lrg clsts 20% (10-40mm) aphan dkgy-gyblk bslt

100% IG, mafic, basalt, 80% aphan, aphyric, dk gry-blk, gl, micro xln plag&aug, hydr thrml alt, 20% alt to cly, med gry-gybrn, v sft, w/ lrg clsts 20% (10-40mm) aphan dkgy-gyblk bslt

75% IG, mafic, basalt, 80% aphan, aphyric, dk gry-blk, gl, micro xln plag&aug, hydr thrml alt, 20% alt to cly, med gry-gybrn, v sft, w/ lrg clsts 20% (10-40mm) aphan dkgy-gyblk bslt, w/ CLYST 25% offwh-ltgy-wh, sft-frm, occ vsl calc, possible altered bslt flow base

CLYST 75% offwh-wh-ltgy, sft-frm, sbwxy-wxy, homog, occ vsl slty, w/ SH 25% ltgy-gy, sft-frm, sbwxy-slty, rr slty, w/ occ lm qtz grn inc

SH 100% ltgy-gy, dkgy ip, sft-frm, sbwxy-wxy, occ slty, rr lm qtz grn incl, rr mic

SH 100% med-dkgy, occ ltgy, frm-sft, blky-sb plty, rthy-sm tex, occ thn blk carb ptgs, occ carb rf, tr slty-vf aren lam

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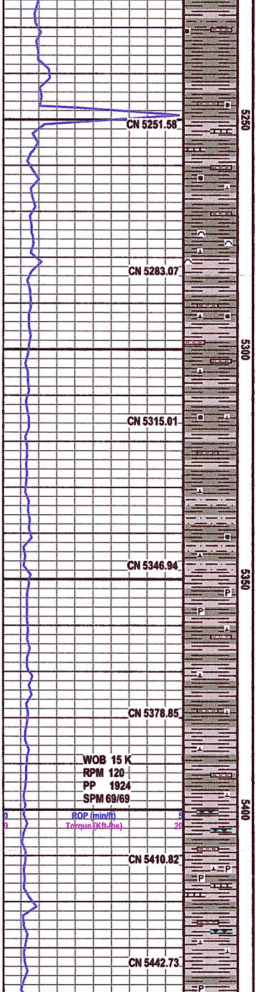


SH 90% med-dkgy, occ ltgy, frm-sft, blky-sb plty, rthy-sm tex, occ thn blk carb ptgs, occ carb rf, tr slty-vf aren lam, SLTST 10% wh-vltgy, off wh, sft-fri, occ frm, blky-lmpy, grdg crxl cly supt to vltgy shly mtx supt, occ vf aren, occ thn chlky tex cly lam

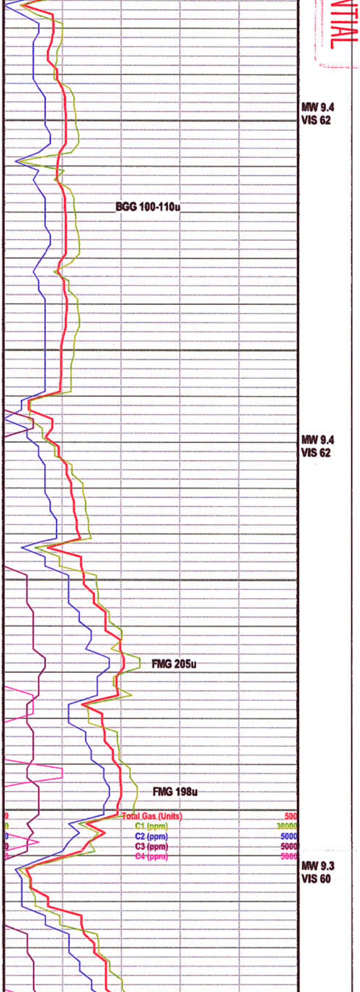
SH 90% med-dkgy, occ ltgy, frm-sft, blky-sb plty, rthy-sm tex, occ thn blk carb ptgs, occ carb rf, tr slty-vf aren lam, SLTST 10% wh-vltgy, off wh, sft-fri, occ frm, blky-lmpy, grdg crxl cly supt to vltgy shly mtx supt, occ vf aren, occ thn chlky lam, occ burrow casts, incr calc

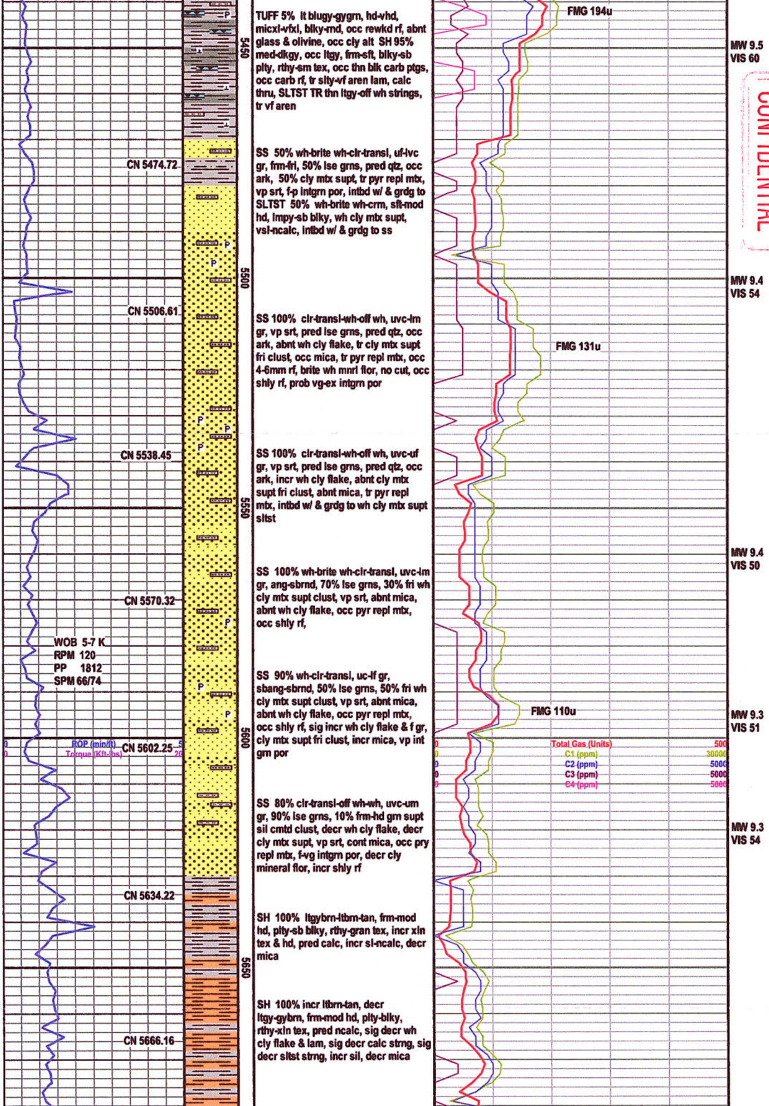
SH 90% med-dkgy, occ ltgy, frm-sft, blky-sb plty, rthy-sm tex, occ thn blk carb ptgs, occ carb rf, tr slty-vf aren lam, SLTST 10% wh-vltgy, off wh, sft-fri, occ frm, blky-lmpy, grdg crxl cly supt to vltgy shly mtx supt, occ vf aren, occ thn chlky lam, incr clyst lam, cont calc

SLTST 20% wh-vltgy, off wh, sft-fri, occ frm, blky-lmpy, grdg crxl cly supt to vltgy shly mtx supt, occ vf aren, occ thn chlky lam, incr clyst lam, SH 80% med-dkgy, occ ltgy, frm-sft, blky-sb plty, rthy-sm tex, occ thn blk carb ptgs, occ carb rf, tr slty-vf aren lam, cont calc

SH 80% med-dkgy, occ ltgy, frm-sft, blky-sb plty, rthy-sm tex, occ thn blk carb ptgs, occ carb rf, tr slty-vf aren lam, calc thru, SLTST 20% wh-vltgy, off wh, sft-fri, occ frm, blky-lmpy, grdg crxl cly supt to vltgy shly mtx supt, occ vf aren, occ thn calc chlky lam, incr clyst lam, tr pyr

SH 95% med-dkgy, occ ltgy, frm-sft, blky-sb plty, rthy-sm tex, occ thn blk carb ptgs, occ carb rf, tr slty-vf aren lam, calc thru, SLTST 5% wh-vltgy, off wh, sft-fri, occ frm, blky-lmpy, grdg crxl cly supt to vltgy shly mtx supt, occ vf aren, occ thn calc chlky lam, incr clyst lam, tr pyr, TUFF TR, lt blugy-gygrn, hd-vhd, micxl-vfxl, blky-rnd, occ rewkd rf, abnt glass & olivine, occ cly alt





TUFF 5% lt blugy-gygrn, hd-vhd, micxl-vfxl, blky-rnd, occ rewkd rf, abnt glass & olivine, occ cly alt SH 95% med-dkgy, occ ltgy, frm-sft, blky-sb plty, rthy-sm tex, occ thn blk carb ptgs, occ carb rf, tr slty-vf aren lam, calc thru, SLTST TR thn ltgy-off wh strings, tr vf aren

SS 50% wh-brite wh-clr-transl, uf-lvc gr, frm-fri, 50% lse grns, pred qtz, occ ark, 50% cly mtx supt, tr pyr repl mtx, vp srt, f-p intgrn por, intbd w/ & grdg to SLTST 50% wh-brite wh-crm, sft-mod hd, lmpy-sb blky, wh cly mtx supt, vsl-ncalc, intbd w/ & grdg to ss

SS 100% clr-transl-wh-off wh, uvc-lm gr, vp srt, pred lse grns, pred qtz, occ ark, abnt wh cly flake, tr cly mtx supt fri clust, occ mica, tr pyr repl mtx, occ 4-6mm rf, brite wh mnrl flor, no cut, occ shly rf, prob vg-ex intgrn por

SS 100% clr-transl-wh-off wh, uvc-uf gr, vp srt, pred lse grns, pred qtz, occ ark, incr wh cly flake, abnt cly mtx supt fri clust, abnt mica, tr pyr repl mtx, intbd w/ & grdg to wh cly mtx supt sltst

SS 100% wh-brite wh-clr-transl, uvc-lm gr, ang-sbrnd, 70% lse grns, 30% fri wh cly mtx supt clust, vp srt, abnt mica, abnt wh cly flake, occ pyr repl mtx, occ shly rf,

SS 90% wh-clr-transl, uc-lf gr, sbang-sbrnd, 50% lse grns, 50% fri wh cly mtx supt clust, vp srt, abnt mica, abnt wh cly flake, occ pyr repl mtx, occ shly rf, sig incr wh cly flake & f gr, cly mtx supt fri clust, incr mica, vp int grn por

SS 80% clr-transl-off wh-wh, uvc-um gr, 90% lse grns, 10% frm-hd grn supt sil cmtd clust, decr wh cly flake, decr cly mtx supt, vp srt, cont mica, occ pry repl mtx, f-vg intgrn por, decr cly mineral flor, incr shly rf

SH 100% ltgybrn-ltbrn-tan, frm-mod hd, plty-sb blky, rthy-gran tex, incr xln tex & hd, pred calc, incr sl-ncalc, decr mica

SH 100% incr ltbrn-tan, decr ltgy-gybrn, frm-mod hd, plty-blky, rthy-xln tex, pred ncalc, sig decr wh cly flake & lam, sig decr calc strng, sig decr sltst strng, incr sil, decr mica

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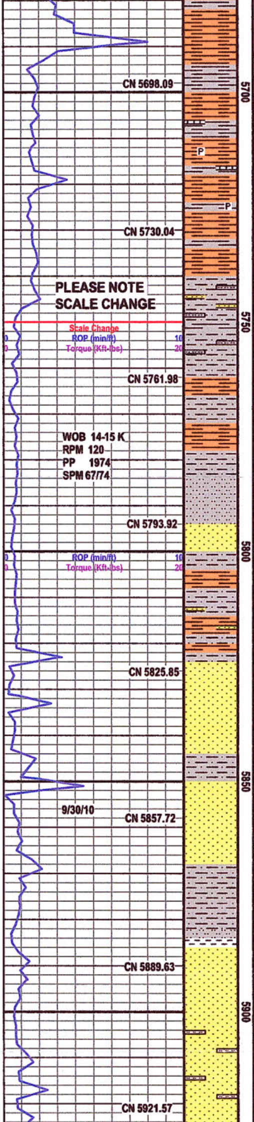


SH 100% ltbrn-tan, occ ltgybrn, frm-hd, plty-blky, xln-rthy tex, tr mica, tr vsl slty

SH 100% ltbrn-tan, occ ltgybrn, frm-hd, plty-blky, xln-rthy tex, tr mica, tr vsl slty, w/ tr amnt micr ls, tr free pyr

SH 100% ltbrn-tan, occ ltgybrn, frm-hd, plty-blky, xln-rthy tex, tr mica, tr vsl slty, w/ tr amnt wh clyst, tr amnt clyst mtx supt ss

SH 100% ltbrn-tan, occ ltgybrn, frm-hd, plty-blky, xln-rthy tex, tr mica, tr vsl slty, w/ tr amnt wh clyst, tr amnt clyst mtx supt ss

SH 40% ltbrn-tan, occ ltgybrn, frm-hd, plty-blky, xln-rthy tex, tr mica, tr vsl slty, w/ SLTST 40% ltgy-gy, occ offwh, abnd grdg to lvfgrn aren, occ calc, mod-occ lmbd lm qtz clsts, w/ SS 20% clr-trnsl, lse, lm-lc grn, psrt, ang-sbang, grn supt, occ wh clyst mtx, w/ tr amnts free wh clyst

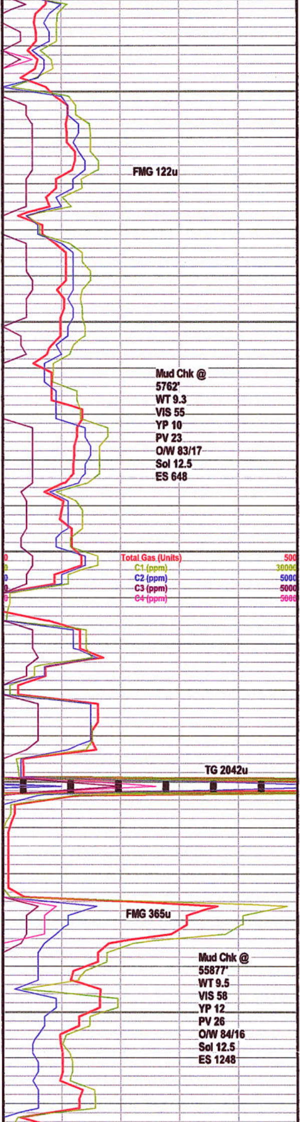
SS 60% clr-trnsl-offwh, lse, lm-lcgrn, psrt, sbang, grn supt, sl vis clyst mtx, w/ SH 40% ltgy-gy, occ ltgybrn-tn, frm-hd, plty-blky, xln-rthy tex, occ wxy, occ mic, mod-abnd vstly, w/ occ lm qtz grn inc

5855' - TOOH for new motor

SS 80% clr-trnsl-offwh, lse, lm-lcgrn, psrt, sbang, grn supt, sl vis clyst mtx, w/ SH 20% ltgy-gy, occ ltgybrn-tn, frm-hd, plty-blky, xln-rthy tex, occ wxy, occ mic, mod-abnd vstly, w/ occ lm qtz grn inc

SS 60% clr-trnsl-offwh, lse, lm-lcgrn, psrt, sbang, grn supt, sl vis clyst mtx, w/ SH 40% ltgy-gy, occ ltgybrn-tn, frm-hd, plty-blky, slty-rthy tex, occ wxy, occ mic, vstly, w/ occ lm qtz grn inc, w/ tr amnt wh clyst w/ lmbd lm qtz grns

SS 95% clr-trnsl offwh, fri, lse grns, um-uc grn, wsrt, ang-sbang, pred grn supt, occ wh cly mtx supt, tr sil cmt, w/ SLTST 5% ltgy-gy, frm-hd, abnd shly ip



Mud Chk @
5762'
WT 9.3
VIS 55
YP 10
PV 23
O/W 83/17
Sol 12.5
ES 648

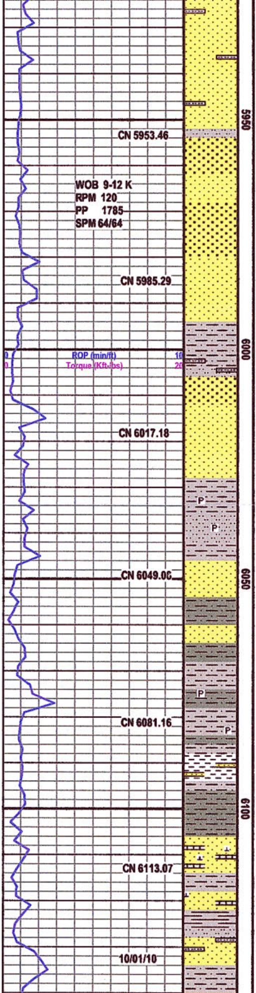
Mud Chk @
55877'
WT 9.5
VIS 58
YP 12
PV 26
O/W 84/16
Sol 12.5
ES 1248

MW 9.5
VIS 55

MW 9.3
VIS 55

Mud Out
130 deg F

CONFIDENTIAL



SS 100% clr-trnsl offwh, fri, lse grns, um-uc grn, wsrt, ang-sbang, pred grn supt, occ wh cly mtx supt, tr sil cmt

SS 100% clr-trnsl offwh, fri, lse grns, um-uc grn, grdg to uvc ip, m-wsrt, ang-sbang, pred grn supt, occ wh cly mtx supt, tr sil cmt

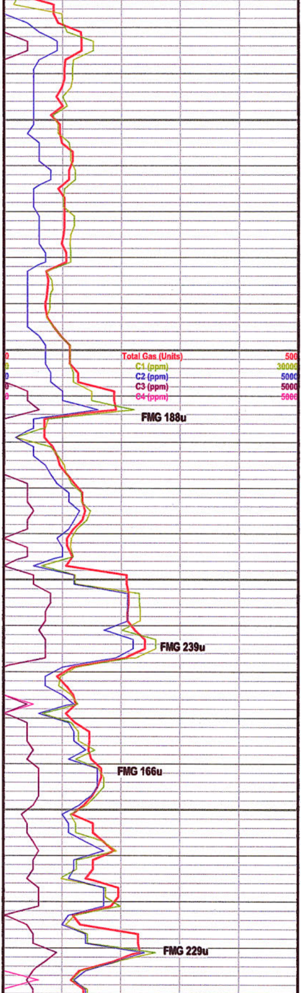
SS 70% clr-trnsl offwh, fri, lse grns, um-uc grn, grdg to uvc ip, coarsening upward sequence, m-wsrt, ang-sbang, pred grn supt, occ wh cly mtx supt, tr sil cmt, w/ SH 30% ltgy-gy, occ mott offwh-gy, frm-hd, rthy-slty tex, occ xtaline tex, abnd grdg to slty sh, occ grdg to wh clyst w/ imbd qtz clsts

SS 65% clr-trnsl offwh, fri, lse grns, um-uc grn, grdg to uvc ip, coarsening upward sequence, m-wsrt, ang-sbang, pred grn supt, occ wh cly mtx supt, w/ SH 20% ltgy-gy, occ mott offwh-gy, frm-hd, rthy-slty tex, occ xtaline tex, abnd grdg to slty sh, occ grdg to wh clyst w/ imbd qtz clsts, w/ SLTST 15% ltgy-gy, rr offwh, frm-hd, occ fri, abnd grdg to lvfgrn aren, w/ tr pyr

SH 90% gy-dkgy, occ ltgy, frm-hd, rthy-slty tex, occ sbwxy, sbblky-sbplty, occ mic mica, occ imbd lm qtz grns, abnd slty ip, w/ SS 10% aa

SH 80% gy-dkgy, occ ltgy, frm-hd, rthy-slty tex, occ sbwxy, sbblky-sbplty, occ mic mica, occ imbd lm qtz grns, abnd slty ip, w/ CLYST 20% offwh-wh, frm-fri, abnd sdy ip, grdg to clyst mtx supt qtz ss, w/ tr strgnrs ss

SH 60% ltgy-gy, tnbrn ip, frm-hd, sbwxy-slty tex, occ rthy-xtaline tex, sbblky, w/ SS 40% clr-trnsl-offwh, lse, occ fri clmps, lm-uc grn, psrt, ang-sbang, grn supt ip, mtx supt ip, w/ alt clyst/ls/calc mtx, w/ tr amnt LS + CLYST, tr amnt SLTST



MW 9.5
VIS 53

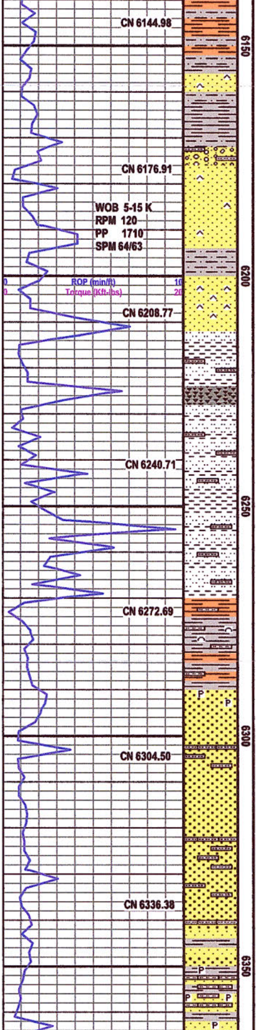
Mud Out
125 deg F

CONFIDENTIAL

MW 9.5
VIS 54

MW 9.5
VIS 53

Mud out
135 deg F



SH 90% ltgy-gy, occ tnbrn, frm-hd, sbwxy-slty tex, rr rthy-xtln tex, sbblky, w/ SS 10% clr-trnsl offwh, pred lse, occ vhd clmps, lm-ucgrn, prst, ang-sbang, pred grn supt, occ mtx supt w/ wh clyst/sil

SS 85% lr-trnsl offwh, pred lse, occ vhd clmps, lm-ucgrn, prst, ang-sbang, pred grn supt, mod mtx supt ip, cmnt w/ wh clyst/sil, w/ SH 10% ltgy-gy, frm-hd, sbwxy-slty tex, sbblky, w/ CLYST CONG 5% offwh-wh, frm-vhd, mtx supt lc-uvc qtz clsts, grdg to grn supt ss

SS 40% clr-trnsl offwh, hd-vhd, wconsol, um-lcgrn, m-wsrt, sbang-ang, pred mtx supt w/ sil cmt, occ cly cmt, occ grn supt w/ sil cmt, w/ SLTST 40% wh-offwh, frm-fri, occ hd, abnd grdg to cly mtx supt lvfgrn aren, occ lm-uc qtz clsts, w/ TUFF 20% ltgy-dky, hd-vhd, xln tex, blky-splnty, occ chrty

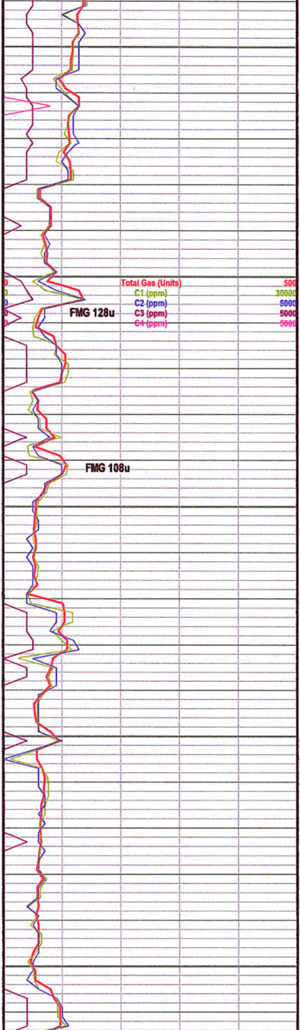
SLTST 80% wh-offwh, frm-fri-hd, sbblky, rthy-cr xl tex, occ grdg vf aren, pred sil cnt, abnt cly repl mtx, ncalc-vsl calc, occ thn ltgy slty clyst lam, CLYST 20% wh-brite wh, frm-fri, lmpy-plty, crxl tex

SH 100% ltgy-gy, ltgybrn-tan, frm-hd, occ sft, blky-plty, rthy tex, occ thn slty lam, tr lg qtz grns

SS 100% clr-transl-wh-off wh-ltgy, uvc-uf gr, ang-sbang, 90% lse grns, 10% wh cly mtx supt, fri-frm clust, abnt wh cly flake, vp-p srt, occ mica, tr pyr repl mtx

SS 100% clr-transl-wh-off wh-ltgy, uvc-uf gr, ang-sbang, 30% lse grns, 70% wh cly mtx supt, fri-frm clust, incr wh cly flake, vp-p srt, occ mica, incr slty lam

SS 80% wh-off wh-vltgy-gybrn, uc-uvf gr, ang-sbrnd, vp srt, 80% cly mtx supt, 20% lse grns, pred qtz, occ ark, vp intgrn por, 20% SH ltgy-gy, ltgybrn-tan, frm-hd, occ sft, blky-plty, rthy tex, occ thn slty lam, CLYST 20% wh-brite wh, frm-fri, lmpy-plty, crxl tex, abnt thn ltgy-gybrn, shly mtx supt sltst lam



MW 9.6
VIS 54

CONFIDENTIAL

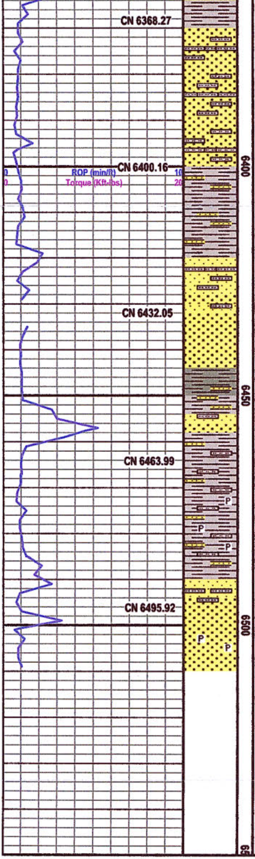
Mud out
140 deg F

WT 9.5
VIS 53

WT 9.5+
VIS 55

WT 9.5
VIS 55

WT 9.5+
VIS 52
140 deg F



SS 70% wh-off wh-vltgy-gybrn, uc-uvf gr, ang-sbrnd, vp srt, 80% cly mtx supt, 20% lse grns, pred qtz, occ ark, vp intgrn por, 20% SH ltgy-gy, ltgybrn-tan, frm-hd, occ sft, blky-plty, rthy tex, occ thn slty lam, CLYST 20% wh-brite wh, frm-fri, lmpy-plty, crxl tex, abnt thn ltgy-gybrn, shly mtx supt sltst lam

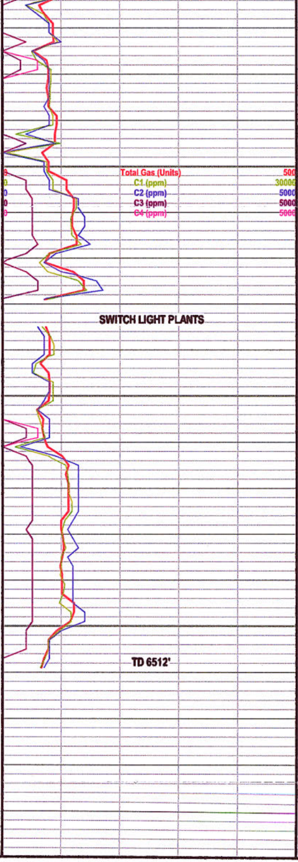
SH 90% ltgy-gy, ltgybrn-tan, frm-hd, occ sft, blky-plty, rthy tex, occ thn slty lam, SS 10% wh-off wh, vltgy, gybrn, uc-uvf gr, ang-sbrnd, vp srt

SS 80% wh-off wh-vltgy-gybrn, uc-uvf gr, ang-sbrnd, vp srt, 80% cly mtx supt, 20% lse grns, pred qtz, occ ark, vp intgrn por, fine up sequence, CLYST 20% wh-brite wh, frm-fri, lmpy-plty, crxl tex, abnt thn ltgy-gybrn, shly mtx supt sltst lam

SH 90% ltgy-gy, ltgybrn-tan, frm-hd, occ sft, blky-plty, rthy tex, occ thn slty lam, SS 10% wh-off wh, vltgy, gybrn, uc-uvf gr, ang-sbrnd, vp srt

80% SH ltgy-gy, ltgybrn-tan, frm-hd, occ sft, blky-plty, rthy tex, occ thn slty lam, CLYST 10% wh-brite wh, frm-fri, lmpy-plty, crxl tex, abnt thn ltgy-gybrn, shly mtx supt sltst lam, SS 10% wh-off wh-vltgy-gybrn, uc-uvf gr, ang-sbrnd, vp srt, 80% cly mtx supt, 20% lse grns, pred qtz, occ ark, vp intgrn por,

SS 100% clr-transl-wh-off wh-ltgy, uvc-uf gr, ang-sbang, 90% lse grns, 10% wh cly mtx supt, fri-frm clust, abnt wh cly flake, vp-p srt, occ mica, tr pyr repl mtx



WT 9.6
VIS 55
155 deg F

WT 9.5+
VIS 55
159 deg F

WT 9.5+
VIS 55
160 deg F

WT 9.5+
VIS 52
140 deg F

WT 9.5
VIS 50
140 deg F

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