RECEIVED
By James Thum at 1:31 pm, Dec 29, 2021

LITHOLOGY STRIP LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Fallon 1-11
API: 11-075-20037
Location: SW 1/4 Sec 11 T8N R5W, Payette County Idaho
License Number: AFE 92721
Spud Date: 11/1/2021
Surface Coordinates: Lat N 44° 02' 25.520", Long W 116° 54' 19.449"
Bottom Hole Coordinates: Lat N 44° 02' 08.2090", Long W 116° 54' 22.3452"
Ground Elevation (ft): 2161'
Logged Interval (ft): 120 To: 5456
Formation:
Type of Drilling Fluid: WBM

Region: Harmon Field
Drilling Completed: 11/11/2021
K.B. Elevation (ft): 2173'
Total Depth (ft): 5456

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

OPERATOR
Company: Snake River Oil & Gas
Address:

GEOLOGIST
Name: JC Nerud, K Newman, B Reddick
Company: King Canyon Buffalo, Inc.
Address: 12681 Hazelrodt Cutoff
Custer SD 57730

Comments

ROCK TYPES

- Anhy rose
- Anhy wh
- Basalt
- Bent
- Cht
- Dol blk
- Dol brn
- Dol salmon
- Dol gy
- Igne
- Ls white
- Ls off wh
- Ls crm
- Dol tn
- Dol tn
- Ls ltgy
- Ls tn
- Ls wh
- Ls brn
- Ls gy
- Sltst rdbrn
- Sltst brn
- Ss wh
- Sltst wh
- Sltst dkgy
- Sltst ltgy
- Sltst tn
- Ss dkbrn
- Ss lt blue
- Ss gn
- Ss
- Ss red brn
- Ss crs
- Ss ltgy
- Sh rdbrn
- Sh brn
- Sh gn
- Sh vcol
- Sh tan
- Sh dkgy
- Sh medgy
- Sh ltgy
- Carbsh
- Tuff ltgy
- Tuff lt blu
- Tuff ltgrn
- Tuff white
- Tuff dkgy
- Tuff orng
- Sh sdy
- Clyst tn
- Clyst brn
- Clyst lt blue
- Clyst gygn
- Clyst wh
- Clyst ltgrn
- Clyst dkgy
- Clyst rdbrn
- Clyst gy

ACCESSORIES

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

MINERAL
- Vertfrac
- Anhy
- Arggrn
- Arg
- Mica
- 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

STRINGER
- Anhy wh
- Tuff
- Anhy
- Arg
- Bent
- Coal
- Dol
- Dol
- Gyp
- Ls
- Mrst
- Sltst
- Ss
- Ss
- Clyst
- Ls
- Ls

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

OTHER SYMBOLS

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

OIL SHOW
- Even
- Spotted
- Ques
- Dead

SORTING
- Well
- Moderate
- Poor

ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

INTERVAL
- Core
- Dst
- Casing

EVENT
- Rft

- Sidewall
- Survey
- Isotube
- Fault
- Csg
- New bit

SNAKE RIVER OIL & GAS LLC
FALLON 1-11
2453'FWL & 1612'FSL
Section 11, T8N R5W
PATETTE COUNTY
IDAHO
API # 11-075-20037
GL Elevation: 2161 ft
KING CANYON 173 ft
BUFFALO, LLC
12681 Hazelrodt Cutoff
Custer, SD 57730
kcbison@yahoo.com
kingcanyonbuffalo.com
Well Logged by JC Nerud and K Newman

SPEC Mass Spectrometer
Mr. Chris Nerud, rap President
(970) 212-6868
jcnerud@yahoo.com

TOTAL AROMATICS (green dashed curve) describes increasing hydrocarbon wetness. This could be called the "Liquids Line." Higher Total Aromatics indicate higher probability of producing liquid hydrocarbons

King Canyon Buffalo, LLC
On location 10/31/2021 @ 1700 hrs,
Rigged up & fully operational 10/31/2021 at 20:00 hrs, begin monitoring gas at 20:55 on 11/1/2021

DRILLING 12 1/4" HOLE
NB# 1 SMITH
XR+CPS
IN at 150'
BG = Background Gas
BIB = Break in Bit
CN = Connection
CG = Connection gas
DOT = Dropped on trip
DT = Downtime
DTG = Downtime gas
FMG = Formation gas
LTC = Lagged to Connection
NB = New Bit
TG = Trip Gas
SG = Swab Gas

In nature, we usually see 10 times more C1 than C2, 10 times more C2 than C3, and so on, on through C10. When significant increases in heavier components (C5-C10) are not matched by increases in lighter components (C1-C3), we have learned that this is almost always mud system contamination. Contamination and recirculation of (C5-C10) will be clearly annotated when identified.

CEMENT

SS wh-clr-yel, m gr, occ lc gr, ang-sbrnd, p srt, pred uncon, abnt ls qtz grns, tr cement

MD 164 TVD 164 INC 0.5 AZ 247.1 VS 0.26 DL 0.3 SS +2009

CLYST ltgy-off wh, sbblky-lmpy, sm-chlky tex, slty thru, mod calc, SLTST vltgy-gy, cly mtx supt, hyd to mush, lmpy-sb blky, mod calc

LS 1% ltgy-gy, micxl-mic gran, hd, blky, occ grdg varg, pred vthn strngs

CLYST ltgy-off wh, sbblky-lmpy, sm-chlky tex, slty thru, mod calc, SLTST ltgy-gy, cly mtx supt, hyd to mush, lmpy-sb blky, mod calc, v fn lam ip

MD 256 TVD 255.94 INC 3.5 AZ 186.8 VS 3.19 DL 3.57 SS +1917.06

250-300 TUFF ltgy-gygrn-gyblu, lmpy, frm-hd, abnt frag, tr mica, mod calc, tr glass ip CLYST ltgy-off wh, sbblky-lmpy, sm-chlky tex, slty thru, mod calc, SLTST ltgy-gy, cly mtx supt, hyd to mush, lmpy-sb blky, mod calc, v fn lam ip

MUD @ 305'
WT 9.2
Vis 42
PV 15
YP 10
GELS 1/2
FIL 6.6
CK
Film
SOL 5
pH 7.1
CL- 2400
Ca++ 200

300-350 TUFF ltgy-gygrn-gyblu, lmpy, frm-hd, abnt frag, tr mica, mod calc, tr pk glass ip, CLYST ltgy-off wh, sbblky-lmpy, sm-chlky tex, slty thru, mod calc, SLTST ltgy-gy, cly mtx supt, hyd to mush, lmpy-sb blky, mod calc, v fn lam ip

LS 1% ltgy-gy, micxl-mic gran, hd, blky, occ grdg varg, pred vthn strngs

350-400 CLYST ltgy-off wh, sbblky-lmpy, sm-chlky tex, slty thru, mod calc, SLTST ltgy-gy, cly mtx supt, hyd to mush, lmpy-sb blky, mod calc, v fn lam ip

11/2/2021

400-450 CLYST ltgy-off wh, sbblky-lmpy, sm-chlky tex, slty thru, mod calc, SLTST ltgy-gy, cly mtx supt, hyd to mush, lmpy-sb blky, mod calc, v fn lam ip

MD 440 TVD 438.54 INC 9.8 AZ 170.3 VS 24.89 DL 3.08 SS +1734.46

450-500 CLYST ltgy-off wh, sbblky-lmpy, sm-chlky tex, slty thru, mod calc, SLTST ltgy-gy, cly mtx supt, hyd to mush, lmpy-sb blky, mod calc, v fn lam ip

500-550 CLYST ltgy-off wh, sbblky-lmpy, sm-chlky tex, slty thru, v sl calc, tr glass ip, SLTST ltgy-gy, cly mtx supt, hyd to mush, lmpy-sb blky, vv sl calc, v fn lam ip

MD 532 TVD 528.99 INC 11.3 AZ 176.2 VS 41.64 DL 2.01 SS +1644.01

550-600 CLYST ltgy-off wh, sbblky-lmpy, sm-chlky tex, slty thru, v sl calc, tr glass ip, SLTST ltgy-gy, cly mtx supt, hyd to mush, lmpy-sb blky, vv sl calc, v fn lam ip, tr pyr

600-650 SLTY CLYST 80% ltgy-vlt gy, lmpy-sb blky, frm-britt, hyd to mush, grrty-chlky tex, vsl calc, tr lse qtz CLYST 20% ltgy-vly gy, lmpy, frm-sft, hyd to mush, vsl-n calc, grdg to & intbd w/ slty clyst, clyst & sltst

MD 655 TVD 649.52 INC 11.7 AZ 176.9 VS 66.15 DL 0.34 SS +1523.48

650-700 CLYST 50% ltgy-vly gy, lmpy, frm-sft, hyd to mush, vsl-n calc, grdg to & intbd w/ slty clyst, clyst & sltst, SLTST 50% ltgy-vlt gy, lmpy-sb blky, frm-britt, hyd to mush, grrty-chlky tex, vsl calc, tr lse qtz

700-750 CLYST 50% ltgy-vly gy, lmpy, frm-sft, hyd to mush, vsl-n calc, grdg to & intbd w/ slty clyst, clyst & sltst, SLTY CLYST 50% ltgy-vlt gy, lmpy-sb blky, frm-britt, hyd to mush, grrty-chlky tex, vsl calc, tr lse qtz

MD 745 TVD 737.2 INC 14.3 AZ 177.6 VS 86.39 DL 2.89 SS +1435.8

750-800 CLYST 60% ltgy-vly gy, lmpy, frm-sft, hyd to mush, vsl-n calc, grdg to & intbd w/ slty clyst, clyst & sltst, SLTST 40% ltgy-vlt gy, lmpy-sb blky, frm-britt, hyd to mush, grrty-chlky tex, vsl calc, tr lse qtz

800-850 CLYST 50% ltgy-vly gy, lmpy, frm-sft, hyd to mush, vsl-n calc, grdg to & intbd w/ slty clyst, clyst & sltst, SLTY 50% ltgy-vlt gy, lmpy-sb blky, frm-britt, hyd to mush, grrty-chlky tex, vsl calc, tr lse qtz

MD 838 TVD 826.61 INC 17.6 AZ 180.4 VS 111.93 DL 3.64 SS +1346.39

850-900 SLTY CLYST 70% ltgy-vlt gy, lmpy-sb blky, frm-britt, hyd to mush, grrty-chlky tex, vsl calc, tr lse qtz CLYST 30% ltgy-vly gy, lmpy, frm-sft, hyd to mush, vsl-n calc, grdg to & intbd w/ slty clyst, clyst & sltst

900-950 SLTY CLYST 80% ltgy-vlt gy, lmpy-sb blky, frm-britt, hyd to mush, grrty-chlky tex, vsl calc, tr lse qtz CLYST 20% ltgy-vly gy, lmpy, frm-sft, hyd to mush, vsl-n calc, grdg to & intbd w/ slty clyst, clyst & sltst,

MD 930 TVD 913.32 INC 21.4 AZ 178.2 VS 142.63 DL 4.21 SS +1259.68

950-1000 SS 70% wh, clr, transl, dk, uf-uc gr, ang-sbang, lse qtz grns, vp srt, CLYST 15% ltgy-vly gy, lmpy, frm-sft, hyd to mush, vsl-n calc, grdg to & intbd w/ slty clyst, clyst & sltst, SLTY 15% ltgy-vlt gy, lmpy-sb blky, frm-britt, hyd to mush, grrty-chlky tex, vsl calc, tr LS
SS wh, clr, transl, dk, uf-uc gr, ang-sbang, lse qtz grns, vp srt

LS ltgybrn-med gy, micxl MS-WS, arg thru, hd-vhd, blky, tt, nfosc

1000-1050 LS 40% ltgybrn-med gy, micxl MS-WS, arg thru, hd-vhd, blky, CLYST 20% ltgy-vly gy, lmpy, frm-sft, hyd to mush, vsl-n calc, grdg to & intbd w/ slty clyst, clyst & sltst, SLTST 40% ltgy-vlt gy, lmpy-sb blky, frm-britt, hyd to mush, grrty-chlky tex, vsl calc, tr lse qtz

MD 1025 TVD 1000.76 INC 24.6 AZ 180.1 VS 179.74 DL 3.46 SS +1172.24

DRILLER DEPTH CORRECTION 10' DOWN

1050-1100 CLYST 50% ltgy-vly gy, lmpy, frm-sft, hyd to mush, vsl-n calc, grdg to & intbd w/ slty clyst, clyst & sltst, SLTY CLYST 50% ltgy-vlt gy, lmpy-sb blky, frm-britt, hyd to mush, grrty-chlky tex, vsl calc, tr lse qtz, occ wh cly flake, OCC thn micxl MS lam

DRILLER DEPTH CORRECTION 5' UP

DRILLER DEPTH CORRECTION 17' DOWN

1100-1154 SS 50% lt-dkgy, blgy, uf-lvf gr, sbang-sbrnd, p srt, pred calc mtx supt, frm-mod hd, S&P thru, tt, NFOSC CLYST 25% ltgy-vly gy, lmpy, frm-sft, hyd to mush, vsl-n calc, grdg to & intbd w/ slty clyst, clyst & sltst, SLTY CLYST 25% ltgy-vlt gy, lmpy-sb blky, frm-britt, hyd to mush, grrty-chlky tex, vsl calc, tr lse qtz, occ wh cly flake

MD 1127 TVD 1092.07 INC 28.3 AZ 178 VS 225.15 DL 3.74 SS +1080.93

MUD @ 1185'
WT 9.8
Vis 39
PV 13
YP 9
GELS 2/4
FIL 5
CK 1
SOL 7
pH 7.3
CL- 1300
Ca++ 200

9 5/8" surface casing set to 1164'

1154-1186 SS 70% ltgy-med gy, med bl gy, s&p, lm-uvf gr, sbang-sbrnd, pred calc mtx supt, f-p srt, mod hd-frm, abnt vcol RF, occ mica, glauc, NFOSC, LS 20% ltgybrn-med gy, micxl MS-WS, arg thru, hd-vhd, blky, rr xln cal frac fill, SLTST 10% lgybrn, plty-sbblky, sm-rthy tex, slcalc-calc

MD 1185 TVD 1143.04 INC 28.7 AZ 178.7 VS 252.83 DL 0.9 SS +1029.96

FIRST TOTAL AROMATICS 1ppm

Bit #2 Smith 8.5", XR+CPS, in at 1185', begin drilling 8.5" hole at 10:10 on 11/7/2021

11/3/2021

Mass spec software frozen, reboot

FIT test 13.0ppg equivalent

1200-1230 Ss 20% lt-med gy, s&p, lm-uvf gr, sb ang, occ vc uncons qtz gr, pred calc mtx, p srt, mod frm, abnt v col rock frags, occ mica, nsfoc, Ls 10% lt gy-tan, mic xln, MS, occ WS, arg, hd, blky, Sltst 40% lt gy-tan, plty-sb blky, rthy, sl calc-non calc, Clystn 30% lt gy-tan, sb blky, rthy-sl slty, non calc

1230-1260 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, rr mica, rr glass, tr tan ls

Wt 9.9

1260-1290 Clystn 65% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, rr mica, rr glass, tr tan ls, Ss 5% pred v col-blugy, abnt rock frags, uf gr, mod srt, ang-sb rnd, calc mtx spptd, nsfoc

MD 1279 TVD 1224.56 INC 31 AZ 179.6 VS 299.61 DL 2.49 SS +948.44

1290-1320 Clystn 65% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, rr mica, rr glass, tr tan ls, Ss 5% pred v col-blugy, abnt rock frags, uf gr, mod srt, ang-sb rnd, calc mtx spptd, nsfoc

1320-1350 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, rr mica, rr glass, tr tan ls

1350-1380 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, rr mica, rr glass, tr tan ls

MD 1375 TVD 1306.77 INC 31.2 AZ 179.6 VS 349.19 DL 0.21 SS +866.23

1380-1410 Clystn 50% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, rr mica, rr glass, tr tan ls, Ss 20% trnsl-clr, occ vcol, um gr-vc gr, pred qtz, occ rock frags, pred uncons, occ fr cmt, non-mod calc, p srt, ang-sb ang, nsfoc

Wt 10.0

1410-1440 Clystn 60% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, rr mica, rr glass, tr tan ls, Ss 10% trnsl-clr, occ vcol, um gr-vc gr, pred qtz, occ rock frags, pred uncons, occ fr cmt, non-mod calc, p srt, ang-sb ang, nsfoc

Wt 10.0
Vis 43
Out 10.1

1440-1470 Clystn 60% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, rr mica, tr tan ls, Ss 10% trnsl-clr, occ vcol, um gr-vc gr, pred qtz, occ rock frags, pred uncons, occ fr cmt, non-mod calc, p srt, ang-sb ang, nsfoc

MD 1469 TVD 1387.38 INC 30.7 AZ 178.7 VS 397.53 DL 0.72 SS +785.62

1470-1500 Clystn 65% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, rr mica, tr tan ls, Ss 5% trnsl-clr, occ vcol, um gr-vc gr, pred qtz, occ rock frags, pred uncons, occ fr cmt, non-mod calc, p srt, ang-sb ang, nsfoc

1500-1530 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, rr mica, tr tan ls, tr c gr uncons qtz

1530-1560 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, rr mica, tr tan ls, tr c gr uncons qtz

MD 1562 TVD 1467.68 INC 29.9 AZ 176.8 VS 444.44 DL 1.34 SS +705.32

1560-1590 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, rr mica, tr tan ls, tr c gr uncons qtz

Possum Belly filled with cuttings

1590-1620 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, rr mica, tr tan ls, tr c gr uncons qtz

1620-1650 Clystn 90% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ qtz gr in clay mtx to uncons qtz gr, Sltst 10% lt gy-tan, sb plty-sb blky, rthy tex, sl-non calc, mica ip, tr tan ls, tr c gr uncons qtz

1650-1680 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ qtz gr in clay mtx to uncons qtz gr, Sltst 30% lt gy-tan, sb plty-sb blky, rthy tex, sl-non calc, mica ip, tr tan ls, tr c gr uncons qtz

MD 1657 TVD 1550.08 INC 29.8 AZ 178.5 VS 491.21 DL 0.9 SS +622.92

1680-1710 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, lam ip, non calc, occ qtz gr in clay mtx to uncons qtz gr, Sltst 30% lt gy-tan, sb plty-sb blky, rthy tex, sl-non calc, mica ip, tr tan ls, tr c gr uncons qtz

Driller Correction

1710-1740 Clystn 60% lt gy-tan, sb blky-plty, rthy-slty, lam ip, non calc, tr qtz gr in clay mtx to uncons qtz gr, Sltst 40% lt gy-tan, sb plty-sb blky, rthy tex, sl-non calc, mica ip, tr tan ls, tr c gr uncons qtz

1740-1770 Clystn 40% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, mica ip, rr glass, tr tan ls, Ss 30% trnsl-clr, occ vcol, um gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, nsfoc

MD 1751 TVD 1631.85 INC 29.2 AZ 177.8 VS 538 DL 0.74 SS +541.11

1770-1800 Clystn 30% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, mica ip, rr glass, tr tan ls, Ss 40% trnsl-clr, occ vcol, um gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, nsfoc

1800-1830 Clystn 40% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, mica ip, rr glass, tr tan ls, Ss 30% trnsl-clr-lt gy, occ vcol, um gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, nsfoc

MW 10.3
VIS 42

1830-1860 Clystn 40% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 40% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, mica ip, rr glass, tr tan ls, Ss 20% trnsl-clr, occ vcol, um gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, nsfoc

MD 1847 TVD 1715.11

MUD @ 1855'
WT 10.3
Vis 44
PV 18
YP 14
GELS 2/17
FIL 4.8
CK 1
SOL 12
pH 7.0
CL- 1200
Ca++ 160

1860-1890 Clystn 50% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 45% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, mica ip, rr glass, tr tan ls, Ss 5% trnsl-clr, occ vcol, um gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, nsfoc

1890-1920 Clystn 60% lt gy-tan, sb blky-plty, rthy-slty, lam ip, sl-non calc, tr qtz gr in clay mtx to uncons qtz gr, Sltst 40% lt gy-tan, sb plty-sb blky, rthy tex, sl-non calc, mica ip, tr tan ls, tr c gr uncons qtz

1920-1950 Clystn 60% lt gy-tan, sb blky-plty, rthy-slty, lam ip, sl-non calc, tr qtz gr in clay mtx to uncons qtz gr, Sltst 40% lt gy-tan, sb plty-sb blky, rthy tex, sl-non calc, mica ip, tr tan ls, tr c gr uncons qtz

MD 1941 TVD 1796.19 INC 30.2 AZ 177.6 VS 633.41 DL 0.87 SS +376.81

1950-1980 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, lam ip, sl-non calc, tr qtz gr in clay mtx to uncons qtz gr, Sltst 30% lt gy-tan, sb plty-sb blky, rthy tex, sl-non calc, mica ip, tr tan ls, tr c gr uncons qtz

1980-2010 Clystn 60% lt gy-tan, sb blky-plty, rthy-slty, lam ip, sl-non calc, tr qtz gr in clay mtx to uncons qtz gr, Sltst 40% lt gy-tan, sb plty-sb blky, rthy tex, sl-non calc, mica ip, tr tan ls, tr c gr uncons qtz

2010-2040 Ss 60% trnsl-clr, occ vcol, um gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, nsfoc, Clystn 20% lt gy-tan, sb blky-plty, rthy-slty, non calc, occ rock frags & c qtz gr in clay mtx, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, mica ip

MD 2036 TVD 1878.34 INC 30.1 AZ 180.8 VS 681.11 DL 1.69 SS +294.66

2040-2070 Ss 95% trnsl-clr, occ vcol, um gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, nsfoc, rr Clystn lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, rr Sltst lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, mica ip

2070-2100 Ss 95% trnsl-clr, occ vcol, um gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, nsfoc, rr Clystn lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, rr Sltst lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, mica ip

2100-2130 Ss 80% trnsl-clr, occ vcol, um gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, nsfoc, Clystn 10% lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, Sltst 10% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, mica ip

MD 2131 TVD 1960.4 INC 30.4 AZ 180.6 VS 728.94 DL 0.33 SS +212.6

2130-2160 Ss 80% trnsl-clr, occ vcol, um gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, nsfoc, Clystn 10% lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, Sltst 10% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, mica ip

Gas Trap Plugged

2160-2190 Ss 80% trnsl-clr, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, nsfoc, Clystn 10% lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, Sltst 10% lt gy-tan, sb plty-sb blky, rthy-sm tex, sl-non calc, mica ip

2190-2220 Clystn 60% lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, Sltst 10% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, Ss 30% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, nsfoc

2220-2250 Clystn 60% lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, Sltst 10% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, Ss 30% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, nsfoc

MD 2226 TVD 2042.43 INC 30.2 AZ 179.9 VS 776.85 DL 0.43 SS +130.57

2250-2280 Clystn 75% lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, Sltst 15% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, Ss 10% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, nsfoc

2280-2310 Clystn 75% lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, Ss 5% trnsl-clr, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, nsfoc

Agitator plugged

2310-2340 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, Ss 10% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, nsfoc

MD 2320 TVD 2123.67 INC 30.2 AZ 179 VS 824.12 DL 0.46 SS +49.33

2340-2370 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, Ss 10% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, nsfoc

Possum Belly filled with cuttings

2370-2400 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, Ss 10% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, tr blgy uf gr sand with rck frags, nsfoc

2400-2430 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, Ss 10% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, tr blgy uf gr sand with rck frags, nsfoc

MD 2415 TVD 2205.78 INC 30.2 AZ 179.2 VS 871.91 DL 0.11 SS -32.78

2430-2460 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, rr cal frac fill, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, Ss 10% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, tr blgy uf gr sand with rck frags, nsfoc

2460-2490 Clystn 60% lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, Ss 10% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, nsfoc

2490-2520 Clystn 60% lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, Ss 10% trnsl-clr, m gr-vc gr, pred qtz, rr poss fos frag, pred uncons, non calc, p srt, ang-sb ang, nsfoc

MD 2510 TVD 2287.88 INC 30.2 AZ 178.7 VS 919.69 DL 0.26 SS -114.88

Jet flow line

2520-2550 Clystn 60% lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, Ss 10% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, nsfoc

2550-2580 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, rr cal frac fill, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, Ss 10% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, tr tan ls, nsfoc

2580-2610 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, rr cal frac fill, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, Ss 10% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, tr blgy uf gr sand with rck frags, nsfoc

MD 2605 TVD 2370.07 INC 30 AZ 178 VS 967.34 DL 0.43 SS -197.07

MUD @ 2616'
WT 10.3
Vis 45
PV 20
YP 11
GELS 2/8
FIL 5.0
CK 1
SOL 12
pH 7.1
CL- 1000
Ca++ 20

2610-2640 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, rr cal frac fill, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd

2640-2670 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non calc, rr cal frac fill, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, rr pos fos frag, Ss 10% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, nsfoc

XO shaker screens

2670-2700 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, rr cal frac fill, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd, tr blgy med gr sd with rock frags

Raise mud weight to 10.5, wiper trip

MD 2699 TVD 2451.11 INC 30.9 AZ 177.1 VS 1014.96 DL 1.07 SS -278.11

2700-2730 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, rr cal frac fill, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd, rr pyr

2730-2760 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, rr cal frac fill, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd, rr pyr

2760-2790 Clystn 60% lt gy-tan, sb blky-plty, rthy-smth, non calc, rr cal frac fill, Sltst 40% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd

MD 2794 TVD 2532.28 INC 31.7 AZ 175.9 VS 1064.28 DL 1.07 SS -359.28

2790-2820 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, rr cal frac fill, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd, rr pyr

2820-2850 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, occ tan ls, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd, rr pyr, occ cons ss

2850-2880 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, occ tan ls, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd, rr pyr

2880-2910 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, occ tan ls, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd, rr pyr, occ cons ss

MD 2889 TVD 2613.19 INC 31.5 AZ 177.1 VS 1114.02 DL 0.69 SS -440.19

MUD @ 2915'
WT 10.5
Vis 42
PV 19
YP 11
GELS 2/6
FIL 4.6
CK 1
SOL 13.5
pH 7.0
CL- 900
Ca++ 20

2910-2940 Clystn 60% lt gy-tan, sb blky-plty, rthy-slty, non calc, qtz gr in clay mtx, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl-non calc, mica ip, Ss 20% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, rr pyr, nsfoc

2940-2970 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, occ tan ls, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd, occ cons ss

2970-3000 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, occ tan ls, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd, occ cons ss

MD 2983 TVD 2692.81 INC 32.8 AZ 184.1 VS 1163.94 DL 4.19 SS -519.81

3000-3030 Clystn 60% lt gy-tan, sb blky-plty, rthy-smth, sl calc, occ tan ls, Sltst 40% lt gy-tan, sb plty-sb blky, rthy-slty tex, mod-sl calc, mica ip, tr c uncons qtz sd

3030-3060 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, occ tan ls, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd

3060-3090 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, occ tan ls, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd, occ cons ss

MD 3076 TVD 2771.52 INC 31.6 AZ 179 VS 1213.39 DL 3.19 SS -598.52

3090-3120 Clystn 60% lt gy-tan, sb blky-plty, rthy-smth, non calc, occ tan ls, Sltst 40% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd

3120-3150 Clystn 60% lt gy-tan, sb blky-plty, rthy-smth, sl calc, occ tan ls, Sltst 40% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-mod calc, mica ip, tr c uncons qtz sd, rr pyr

3150-3180 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, occ tan ls, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd, rr pyr

11/9/2021

MD 3171 TVD 2853.03 INC 30.2 AZ 178.5 VS 1262.17 DL 1.5 SS -680.03

3180-3210 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, occ tan ls, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd

3210-3240 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, occ tan ls, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd, rr pyr

3240-3270 Clystn 60% lt gy-tan, sb blky-plty, rthy-smth, sl-non calc, occ tan ls, Sltst 40% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl calc, mica ip, tr c uncons qtz sd

MD 3266 TVD 2935.63 INC 29 AZ 177.8 VS 1309.09 DL 1.31 SS -762.63

3270-3300 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, non calc, occ tan ls, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl-non calc, mica ip, tr c uncons qtz sd

3300-3330 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, sl-mod calc, occ tan ls, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl calc, mica ip, tr c uncons qtz sd, rr pyr

3330-3360 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, sl calc, occ tan ls, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl calc, mica ip, tr c uncons qtz sd

MD 3361 TVD 3018.92 INC 28.5 AZ 177.5 VS 1354.78 DL 0.55 SS -845.92

3360-3390 Clystn 60% lt gy-tan, sb blky-plty, rthy-smth, sl calc, lam ip, occ tan ls, Sltst 40% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl calc, mica ip, tr c uncons qtz sd

3390-3420 Clystn 70% lt gy-tan, sb blky-plty, rthy-smth, sl calc, lam ip, occ tan ls, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, sl calc, mica ip, tr c uncons qtz sd, rr pyr

3420-3450 Clystn 60% lt gy-tan, sb blky-plty, rthy-slty, sl calc, qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl calc, mica ip, Ss 10% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang

3450-3480 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, sl calc, qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy, sl calc, mica ip, tr c gr uncons qtz sd

MD 3455 TVD 3101.61 INC 28.3 AZ 176.4 VS 1399.47 DL 0.6 SS -928.61

3480-3510 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, sl calc, qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl calc, mica ip, tr c gr uncons qtz sd

3510-3540 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, sl calc, qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl calc, mica ip, tr c gr uncons qtz sd, rr msv pyr

repair riser

3540-3570 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, tr c gr uncons qtz sd

MD 3550 TVD 3185.25 INC 28.3 AZ 178.2 VS 1444.49 DL 0.9 SS -1012.25

Pull agitator and clean

3570-3600 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, tr c gr uncons qtz sd, tr dis pyr

3600-3630 Clystn 70% lt gy-tan, sb blky-plty, non-sl calc, occ qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, tr uf-c gr uncons qtz sd

3630-3660 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, tr uf-c gr uncons qtz sd

MD 3645 TVD 3268.9
INC 28.3 AZ 180.1
VS 1489.52 DL 0.95
SS -1095.9

Wt 10.5
Vis 45

3660-3690 Ss trnsl-clr, uf-c gr, ang-sb rnd, p srt, uncons, non calc, pred lse qtz gr, nsfoc, Clystn 40% lt gy-tan, sb blky-plty, slty-sm, non-sl calc, occ qtz gr in cly matrix, Sltst 10% lt gy-tan, s blky-sb blky, frm, rthy-slty, non-sl calc, mica ip

MUD @ 3711'
WT 10.5
Vis 45
PV 19
YP 11
GELS 2/12
FIL 4.4
CK 1
SOL 14
pH 7.3
CL- 800
Ca++ 20

3690-3720 Clystn 40% lt gy-tan, sb blky-plty, rthy-slty, sl calc, qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl calc, mica ip, Ss 30% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang

3720-3750 Clystn 50% lt gy-tan, sb blky-plty, rthy-slty, sl calc, qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl calc, mica ip, Ss 20% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang

MD 3739 TVD 3353.26
INC 24 AZ 179.6
VS 1530.93 DL 4.58
SS -1180.26

3750-3780 Clystn 40% lt gy-tan, sb blky-plty, rthy-slty, sl calc, qtz gr in clay mtx, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl calc, mica ip, Ss 40% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang

MW 10.5
Vis 40

3780-3810 Clystn 40% lt gy-tan, sb blky-plty, rthy-slty, sl calc, qtz gr in clay mtx, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl calc, mica ip, Ss 40% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang

3810-3840 Clystn 40% lt gy-tan, sb blky-plty, rthy-slty, sl calc, qtz gr in clay mtx, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl calc, mica ip, Ss 40% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang,

3840-3860 Ss 100% trnsl-clr-wh, um gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, sl yel min fluor, mod-fst yel to grn-blu oil cut, rr clystn

MD 3834 TVD 3440.21
INC 23.5 AZ 179.6
VS 1569.18 DL 0.53
SS -1267.21

3860-3870 Ss 100% trnsl-clr-wh, um gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, sl yel min fluor, mod-fst yel to grn-blu oil cut, rr clystn

Gas cut from 10.5 to 10.2 MW

Ss 100% trnsl-clr-wh, um gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, sl yel min fluor, rr clystn

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, sl yel min fluor, slo yel to blu cut, rr clystn, rr pyr

MW 11
Vis 41

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, NSFOC, rr pyr

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, sl yel min fluor

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, NSFOC, rr clystn

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, NSFOC, rr clystn, rr pyr

MD 3928 TVD 3527.15
INC 21.2 AZ 180.6
VS 1604.91 DL 2.48
SS -1354.15

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, NSFOC, rr clystn, rr pyr

MW 11.1

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, NSFOC

Vis 41

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, NSFOC

MW 11.1
Vis 42

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, NSFOC

MUD @ 4030'
WT 11
Vis 42
PV 18
YP 9
GELS 2/7
FIL 4
CK 1
SOL 16
pH 7.2
CL- 800
Ca++ 20

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, NSFOC, rr

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, NSFOC

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, occ cons, non calc, p srt, ang-sb ang, mica ip, NSFOC

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, occ cons, non calc, p srt, ang-sb ang, mica ip, NSFOC

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, occ cons, non calc, p srt, ang-sb ang, mica ip, NSFOC

MD 4024 TVD 3617.5
INC 18.3 AZ 184.8
VS 1637.25 DL 3.36
SS -1444.5

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, occ cons, non calc, p srt, ang-sb ang, mica ip, NSFOC

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, sl yel min fluor

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, sl yel min fluor

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Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, sl yel min fluor,

MW 11
Vis 42

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, rr clystn

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, NSFOC

Ss 100% trnsl-clr-wh, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, NSFOC

Ss 100% trnsl-clr-wh-lt gy, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, NSFOC

Ss 100% trnsl-clr-wh-lt gy, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, tr pyr, NSFOC

Ss 100% trnsl-clr-wh-lt gy, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, rr pyr, NSFOC

MD 4120 TVD 3709.41
INC 15.2 AZ 183.1
VS 1664.79 DL 3.27
SS -1536.41

Ss 100% trnsl-clr-wh-lt gy, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, NSFOC

MW 11
Vis 42

Ss 100% trnsl-clr-wh-lt gy, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, NSFOC

Ss 100% trnsl-clr-wh-lt gy, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, rr pyr, NSFOC

Ss 80% trnsl-clr-wh-lt gy, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, Clystn 20% lt gy-tan, sb blky-plty, rthy-slty, sl calc, qtz gr in clay mtx, rr pyr, NSFOC

Ss 70% trnsl-clr-wh-lt gy, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, Clystn 30% lt gy-tan, sb blky-plty, rthy-slty, sl calc, qtz gr in clay mtx, tr pyr, NSFOC

MW 11
Vis 45

Ss 100% trnsl-clr-wh-lt gy, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, rr pyr, NSFOC

Ss 100% trnsl-clr-wh-lt gy, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, NSFOC

MD 4215 TVD 3801.85
INC 11.4 AZ 183.8
VS 1686.56 DL 4
SS -1628.85

Ss 95% trnsl-clr-wh-lt gy, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, Clystn 5% lt gy-tan, sb blky-plty, rthy-slty, sl calc, qtz gr in clay mtx, tr pyr, nsfoc

Ss 90% trnsl-clr, occ off wh-lt gy, m-vc gr, pred qtz, occ mica, Clyst 10% lt gy sb blky-plty, slty-rthy, grdg to sltst ip, sl-non calc, tr dull orng min flor, nsoc

Ss 100% trnsl-clr-off wh-lt gy, m-vc gr, pred qtz, uncons, non calc, p srt, ang-sb ang, g tr mica, tr clyst, nsfoc

Ss 100% trnsl-clr-off wh-lt gy, m-vc gr, pred qtz, uncons, tr p cmt, sl calc, pred non calc, p srt, ang-sb ang, g tr mica, tr clyst, tr dull orng min flor, nsoc

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, tr clyst, nsfoc

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, tr clyst, nsfoc

MW 11
Vis 43

Ss 95% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 5% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, nsfoc

MD 4310 TVD 3895.46
INC 8 AZ 182.6
VS 1702.51 DL 3.59
SS -1722.46

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non-sl calc, p srt, ang-sb rnd, g tr mica, tr clyst, g tr dull orng min flor, nsoc

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, tr clyst, nsfoc

Ss 95% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, rr pyr, Clyst 5% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, nsfoc

Ss 95% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 5% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, nsfoc

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, tr clyst, nsfoc

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, sb ang-sb rnd, g tr mica, tr clyst, tr pyr, nsfoc

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, sb ang-sb rnd, g tr mica, tr clyst, tr pyr, nsfoc

MD 4404 TVD 3988.94
INC 4 AZ 187.7
VS 1712.28 DL 4.29
SS -1815.94

Ss 90% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 10% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, nsfoc

Ss 90% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 10% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, nsfoc

MUD @ 4483'
WT 11.1
Vis 43
PV 24
YP 17
GELS 4/7
FIL 3.8
CK 1
SOL 16
pH 7.2
CL- 800
Ca++ 10

Ss 95% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 5% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, nsfoc

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, pred uncons, non calc, tr w cmt, p srt, sb ang-sb rnd, g tr mica, tr clyst, tr pyr, nsfoc

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, pred uncons, non calc, p srt, sb ang-sb rnd, g tr mica, tr clyst, nsfoc

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, pred uncons, non calc, p srt, ang-sb rnd, g tr mica, tr clyst, nsfoc

MD 4499 TVD 4083.82
INC 1.7 AZ 211.2
VS 1716.74 DL 2.67
SS -1910.82

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, pred uncons, non calc, p srt, ang-sb rnd, g tr mica, tr clyst, nsfoc

Ss 90% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 10% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, nsfoc

Ss 100% trnsl-clr-off wh, m-vc gr, pred qtz, rr rock frags, pred uncons, non calc, p srt, ang-sb rnd, g tr mica, tr clyst, nsfoc

Ss 100% trnsl-clr-off wh, m-vc gr, pred qtz, rr rock frags, pred uncons, non calc, p srt, ang-sb rnd, g tr mica, tr clyst, nsfoc

Ss 95% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 5% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, nsfoc

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, sb ang-sb rnd, g tr mica, tr clyst, tr pyr, nsfoc

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, sb ang-sb rnd, g tr mica, tr clyst, tr pyr, nsfoc

Ss 95% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 5% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, nsfoc

MD 4593 TVD 4177.81
INC 0.4 AZ 303
VS 1717.73 DL 1.87
SS -2004.81

Ss 90% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 10% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, nsfoc

Wt 11.1
Vis 40

Clystn 50% lt gy-tan, sb blky-sb plty, frm, rthy-slty, grdg to sltst ip, non-sl calc, Ss 50% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, g tr mica, nsfoc

Ss 90% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 10% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, nsfoc

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, sb ang-sb rnd, g tr mica, tr clyst, tr pyr, nsfoc

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, sb ang-sb rnd, g tr mica, tr clyst, nsfoc

Ss 100% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, sb ang-sb rnd, g tr mica, tr clyst, nsfoc

MD 4686 TVD 4270.8
INC 0.5 AZ 337.9
VS 1717.16 DL 0.31
SS -2097.8

Ss 90% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 10% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, nsfoc

Ss 70% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 20% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, Sh 10% med gy, sb blky, frm, rthy-slty, sl carb, non calc, nsfoc

Wt 11.1
Vis 39

Ss 80% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 20% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, nsfoc

Ss 70% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 30% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, nsfoc

Ss 70% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 30% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, nsfoc

MD 4781 TVD 4365.8
INC 0.7 AZ 326.2
VS 1716.29 DL 0.25
SS -2192.8

Ss 60% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, g tr mica, Clyst 40% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc,

Ss 95% trnsl-clr-wh-lt gy, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, Clystn 5% lt gy-tan, sb blky-plty, rthy-slty, sl calc, qtz gr in clay mtx, sl yel min fluor

Ss 95% trnsl-clr-wh-lt gy, m gr-vc gr, pred qtz, pred uncons, non calc, p srt, ang-sb ang, mica ip, Clystn 5% lt gy-tan, sb blky-plty, rthy-slty, sl calc, qtz gr in clay mtx, sl yel min fluor

Wt 11
Vis 39

Ss 100% trnsl-clr-off wh-lt gy, m-vc gr, pred qtz, uncons, tr p cmt, sl calc, pred non calc, p srt, ang-sb ang, g tr mica, v slo yel cut, tr clyst

Ss 65% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, tr mica, Clyst 35% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc,

Ss 50% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, tr mica, Clyst 50% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc,

Ss 50% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, tr mica, Clyst 50% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, nsfoc

MD 4876 TVD 4460.79
INC 0.6 AZ 324.6
VS 1715.38 DL 0.11
SS -2287.79

Ss 70% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, tr mica, Clyst 30% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc,

MUD @ 4931'
WT 11
Vis 38
PV 18
YP 12
GELS 2/2
FIL 3.6
CK 1
SOL 16
pH 6.9
CL- 800
Ca++ 10

Ss 50% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, tr mica, Clyst 50% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc,

Clyst 60% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, Ss 40% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, tr mica, rr bent, tr diam, nsfoc

Clyst 50% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, Ss 50% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, tr mica, nsfoc

Wt 11
Vis 38

Clyst 70% tan-lt gy, sb blky-plty, sft-frm, rthy-slty, grdg to sltst ip, non-sl calc, tr pyr, Ss 30% trnsl-off wh, m-vc gr, pred qtz, rr rock frags, uncons, non calc, p srt, ang-sb rnd, tr mica, mod fst yel to blu oil cut

MD 4971 TVD 4555.79
INC 0.5 AZ 306
VS 1714.72 DL 0.21
SS -2382.79

Clystn 40% lt gy-tan, sb blky-plty, rthy-slty, sl calc, qtz gr in clay mtx, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-smth tex, sl calc, mica ip, Ss 40% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, mod fst yel to blu oil cut

5000-5030 Clystn 50% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip,Ss 10% trnsl-clr, m gr-vc gr, pred qtz, occ rock frags, pred uncons, non calc, p srt, ang-sb ang, Basalt 10% dk gy-blk, hd, vf xln, occ plag laths, detrital frags

5030-5060 Clystn 60% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ qtz gr in clay mtx, Sltst 40% lt gy-tan to blk, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, tr basalt a/a

MD 5065 TVD 4649.78
INC 0.4 AZ 278.9
VS 1714.41 DL 0.25
SS -2476.78

5060-5090 Clystn 70% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ qtz gr in clay mtx, Sltst 30% lt gy-tan to blk, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, rr basalt a/a

Wt 11
Vis 45

5090-5120 Clystn 65% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ qtz gr in clay mtx, Sltst 30% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, Basalt 5% Blk, sb blky-blky, rthy-wxy, tr pyr

5120-5150 Clystn 50% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ qtz gr in clay mtx, Tuff 25% tan, sb blky-blky, lam, abnt mica, tr glass, g tr pyr, non calc, occ rock frags, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, Basalt 5% blk, sb blky-blky, occ plag laths, detrital

5150-5180 Clystn 55% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ qtz gr in clay mtx, Tuff 25% tan, sb blky-blky, lam, abnt mica, tr glass, g tr pyr, non calc, occ rock frags, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, tr basalt blk, sb blky-blky, occ plag laths, detrital

MD 5159 TVD 4743.78
INC 0.2 AZ 227.4
VS 1714.46 DL 0.34
SS -2570.78

5180-5210 Clystn 55% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ uncons qtz gr, Tuff 25% tan, sb blky-blky, lam, abnt mica, tr glass, g tr pyr, non calc, occ rock frags, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, tr basalt blk, sb blky-blky, occ plag laths, detrital

5210-5240 Clystn 50% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ uncons qtz gr, Tuff 20% tan, sb blky-blky, lam, abnt mica, tr glass, g tr pyr, non calc, occ rock frags, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, tr basalt, Ss 10% trnsl-clr-gy, pred m-vc gr, occ uf gr, ang-sb ang, p srt, pred uncons, nsfoc

5240-5270 Clystn 60% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ uncons qtz gr, Tuff 20% tan, sb blky-blky, lam, abnt mica, tr glass, g tr pyr, non calc, occ rock frags, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, tr basalt

MD 5253 TVD 4837.78
INC 0.1 AZ 357.1
VS 1714.49 DL 0.29
SS -2664.78

5270-5300 Clystn 50% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ uncons qtz gr, Tuff 25% tan, sb blky-blky, lam, abnt mica, tr glass, abnt pyr, non calc, occ rock frags, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, tr basalt, Ss 5% trnsl-clr, pred qtz, occ rock frags, ang-sb rnd, p srt, m-vc gr, nsfoc

5300-5330 Clystn 50% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ uncons qtz gr, Tuff 20% tan, sb blky-blky, lam, abnt mica, non calc, occ rock frags, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, abnt framb-msv pyr

5330-5360 Ss 40% trnsl-clr-gy, pred m-vc gr, occ uf gr, ang-sb ang, p srt, pred uncons, non calc, nsfoc, Clystn 30% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ uncons qtz gr, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, abnt pyr, Tuff 10% tan, sb blky-blky, lam, abnt mica, non calc, occ rock frags

Wt 11
Vis 40

MD 5347 TVD 4931.78
INC 0.4 AZ 29.1
VS 1714.12 DL 0.34
SS -2758.78

5360-5390 Clystn 50% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ uncons qtz gr, Tuff 20% tan, sb blky-blky, lam, abnt mica, tr glass, abnt pyr, non calc, occ rock frags, Sltst 20% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, Ss 10% trnsl-clr, pred qtz, occ rock frags, ang-sb rnd, p srt, m-vc gr, nsfoc

5390-5420 Ss 60% trnsl-clr-gy, pred m-vc gr, occ uf gr, ang-sb ang, p srt, pred uncons, non calc, nsfoc, Clystn 20% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ uncons qtz gr, Sltst 15% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, abnt pyr, Tuff 5% tan, sb blky-blky, lam, abnt mica, non calc, occ rock frags

MD 5396 TVD 4980.78
INC 0.8 AZ 346
VS 1713.64 DL 1.18
SS -2807.78

5420-5456 Ss 70% trnsl-clr-gy, pred m-vc gr, occ uf gr, ang-sb ang, p srt, pred uncons, non calc, nsfoc, Clystn 20% lt gy-tan, sb blky-plty, rthy-slty, non-sl calc, occ uncons qtz gr, Sltst 10% lt gy-tan, sb plty-sb blky, rthy-slty tex, non-sl calc, mica ip, abnt pyr

TD of 5456' reached at 15:40 on 11/11/2021

MD 5455 TVD 5039.77
INC 0.8 AZ 346
VS 1712.84 DL 0
SS -2866.77

THANK YOU
A PLEASURE TO
BE OF SERVICE JC
NERUD 970-212-6868