GL 04478_10

Reproduced By
Rocky Mountain Well Log Service
Midland, Texas 79701

ELSI

REFERENCE # C 1320D

Alpha Beta Gamma Associates Inc.
Well Logging Services

LEASE & WELL: Utah State 14-2 ML 27336 LOCATION: Section 2 TWP. 27S RNG 9W
COUNTY: Beaver STATE: Utah
SPUD: 9/11/76 COMPLETE: 10/14/76 TD: 6108' ELEV 6240'(1) GL 21' KB
LOGGERS: Keith Johnson Daniel Zanios
DATES LOGGED: 9/12/76 TO 10/16/76 DEPTHS LOGGED: 79' TO 6500'

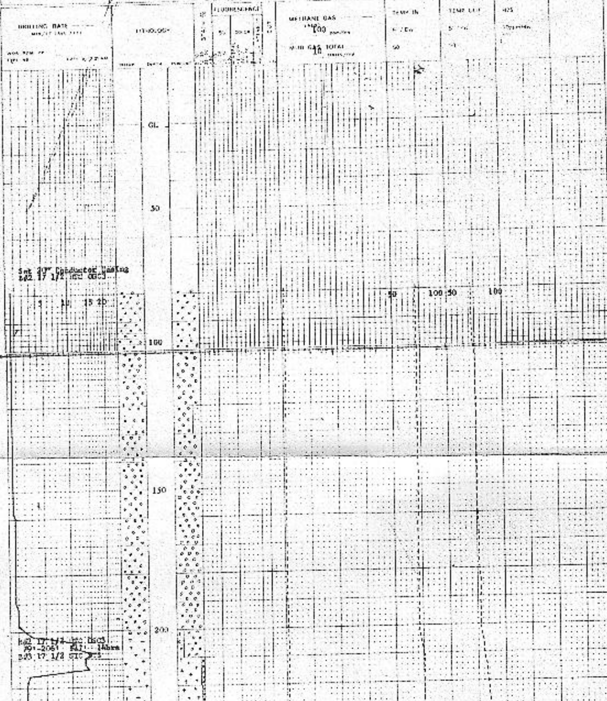
LEGEND

LITHOLOGY & REMARKS

MUD DATA

RECEIVED
1976
DIV.

RELEASE AUTHORIZED
BY DEPT. OF ENERGY
UNDER CONTRACT
NO. EG-77-C-08-1525



Unconsolidated gravel, granidiorite, loc obsidian, fldspr, qtz fragments, rounded

Uncon grvl a/a

Uncon grvl a/a loc obsdn frag angular

Uncon grvl a/a

Uncon sand & grvl, grndrt frag loc weathered, biotite & qtz grs

Uncon grvl a/a dec sand

Uncon grvl a/a

Uncon grvl a/a

Uncon grvl a/a

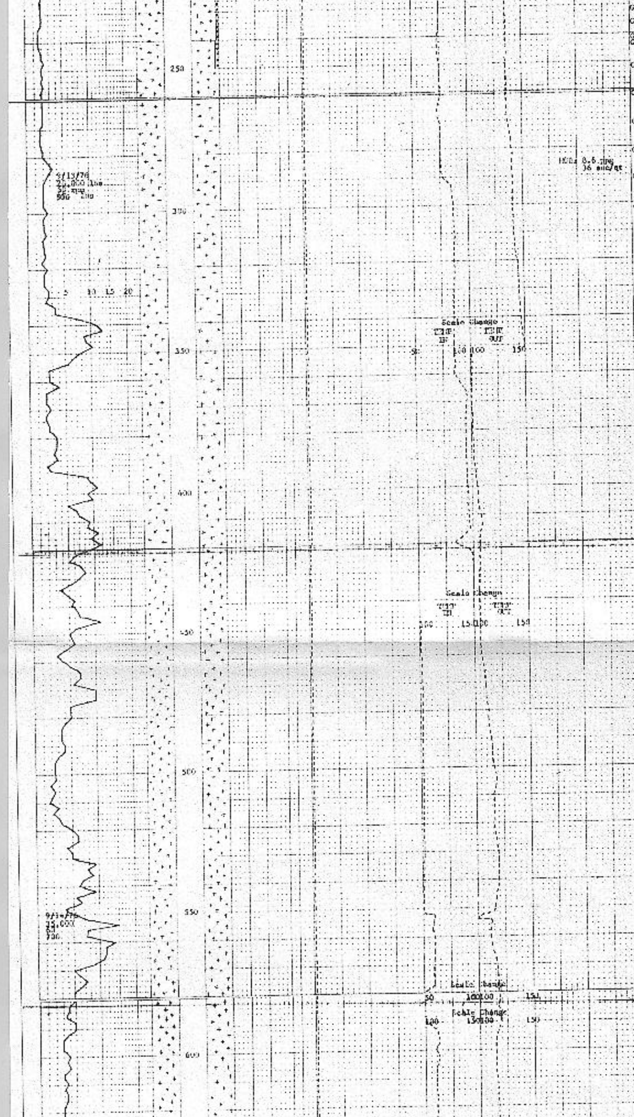
Uncon grvl a/a

Uncon grvl a/a

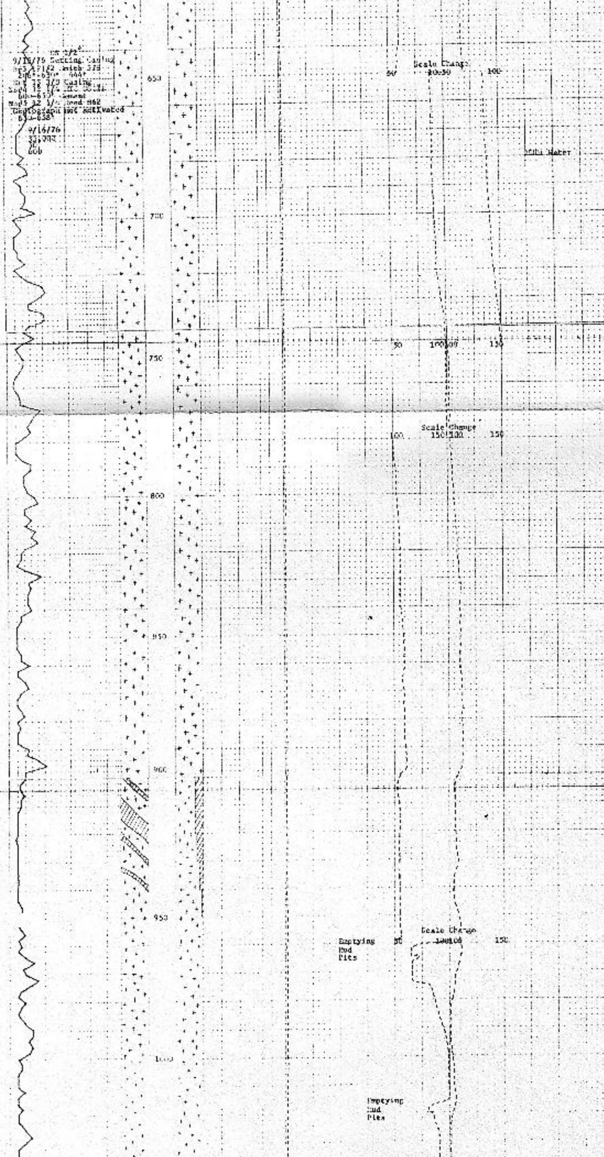
Uncon grvl a/a

Uncon grvl a/a dom qtz & fldspr frag, dom rndd
Grndrt f-gr, ylw, weathered, loc altrd to chlorite, dom sub-rndd-angular frag
Grndrt a/a
Grvl a/a

Grndrt a/a dec wea, dom whl, dec mafic mnrls, dom ang
Grvl a/a



Grndrt a/a dom whi, loc wea
Grvl a/a
Grndrt a/a
Grvl dom whi, dom rnded, no mafic mnrls
Grndrt a/a
Grndrt a/a loc wea, loc chlrt, trace magnetite, dom ang frag
Grndrt a/a
Grndrt dom ylw, loc alter to chlrt, ang frag
Grndrt a/a dec wea, dom whi
Grndrt a/a
Grndrt a/a
Grndrt a/a
Grndrt a/a
Grndrt dom ylw, abundant mafic mnrls, loc chlrt
Grndrt a/a dec ylw, inc whi, dec maf mnrls
Grndrt a/a
Grndrt dom whi, loc ylw w/ wea
Grndrt a/a loc ylw, inc maf mnrls
Grndrt a/a dom ylw
Grndrt a/a dom ylw & orngd, l-gr
Grndrt a/a inc whi
Grndrt a/a tr wea K-feldspar
Grndrt a/a
Grndrt a/a inc hrnbld
Grndrt dom ylw & orngd, loc wea
Grndrt a/a inc hrnbld, dec qtz
Grndrt loc dk, abundant hrnbld & biot, loc alter
Grndrt a/a inc mafic
Grndrt a/a abundant mafic mnrls, tr chlrt
Grndrt a/a abundant mafic mnrls
Grndrt dom whi & ylw, loc wea, dec mafic mnrls, abundant qtz
Grndrt dom whi, dom qtz, tr mafic mnrls, tr wea, loose biot grs
Grndrt a/a dom qtz
Grndrt a/a dec qtz, ang frags
Grndrt a/a dom qtz, tr chlrt
Grndrt a/a dom qtz
Grndrt whi, loc wea, loc biot & hrnbld, tr alter
Grndrt a/a
Grndrt a/a loc wea, tr heavily wea
Grndrt a/a dom qtz, tr chlrt
Grndrt a/a tr fract alter &fill
CASING LENGTH: 13'
Grndrt a/a dec wea



Grndrt a/a sli loc wea

Grndrt a/a tr chlrt

Grndrt a/a tr magnetite

Grndrt qtz rich,loose biot grs,tr chlrt

Grndrt a/a dom qtz

SAMPLE LAGTIME: 10'

Grndrt a/a dom qtz

Grndrt a/a dom qtz

Grndrt a/a dom qtz

Grndrt a/a dom qtz,tr ylw

Grndrt a/a dom qtz,tr ylw

Grndrt a/a dom qtz

Grndrt a/a dom qtz,tr ylw, tr chlrt

Grndrt a/a dom qtz,loc loose biot grs

Grndrt a/a dom qtz,tr wea, tr heavily wea

Grndrt a/a dom qtz

Grndrt a/a dom qtz

Grndrt a/a dom qtz

Grndrt qtz rich,f-gr,loc loose biot grs,tr wea,tr chlrt

Grndrt a/a dom qtz

Grndrt a/a dom qtz

Grndrt a/a dom qtz

Grndrt a/a dom qtz

Grndrt a/a dom qtz

Grndrt a/a dom qtz

Grndrt a/a dom qtz

Grndrt a/a dom qtz

Grndrt a/a dom qtz

Grndrt a/a dom qtz

Grndrt a/a dom qtz,loc chlrt

Sltst ylw-orange,sdy ang qtz & biot grs,highly wea,lay w/Grndrt (Fault Gouge?)

Grndrt a/a
Sltst a/a

Grndrt a/a
Sltst a/a

Grndrt a/a inc mafic mnrls
Sltst a/a

Grndrt qtz,inc mafic mnrls, chlrt
Sltst a/a

Grndrt a/a mafic rich
Tr Sltst a/a

Grndrt a/a dec mafic, inc qtz

Grndrt f-gr,qtz rich,hrnbld & biot,loc chlrt

Grndrt a/a inc mafic mnrls, inc chlrt

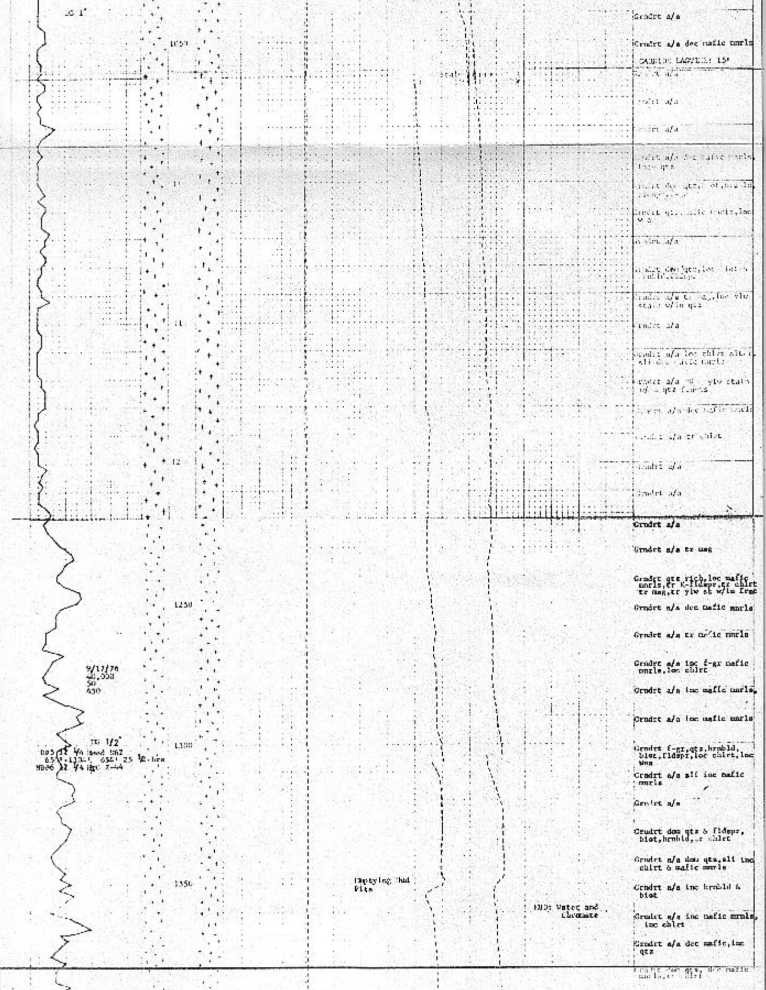
Grndrt a/a inc mafic mnrls, abundant chlrt

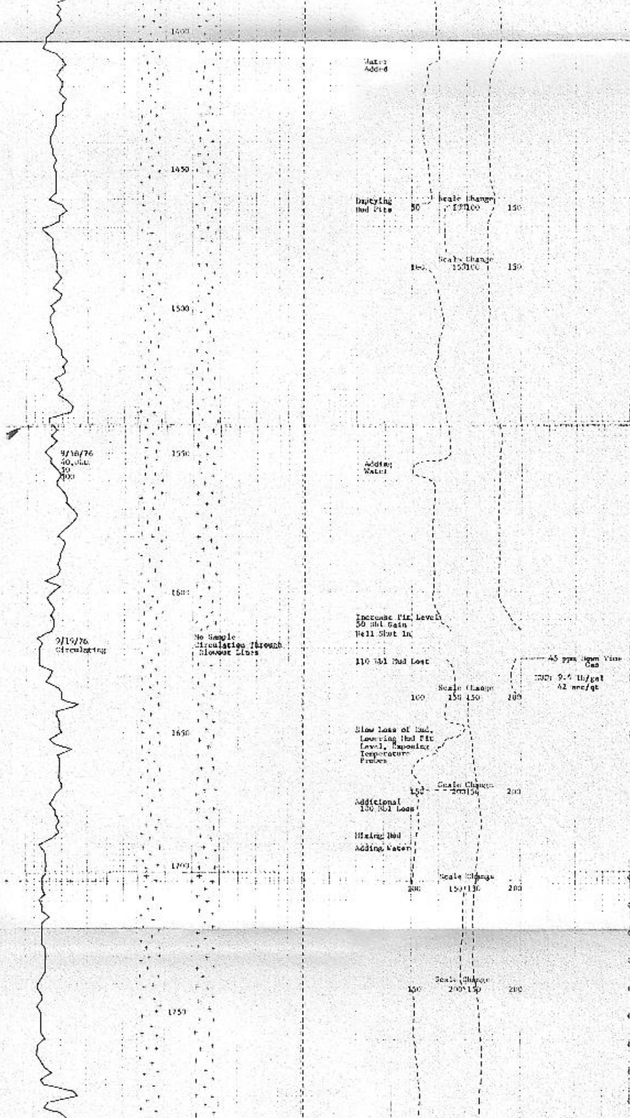
Grndrt a/a qtz,hrnbld,biot, fldspr,chlrt alter,loc wea

Grndrt a/a

Grndrt a/a

Grndrt a/a sli dec mafics





Grndrt dom qtz, dec mafic mnrls

Grndrt dom qtz,biot,fldspr, hrnbld,tr chlrt,f-gr

Grndrt a/a

Grndrt a/a

Grndrt a/a tr ylw st w/in fract,tr buff alunite

Grndrt a/a loc med-gr bint

Grndrt a/a dom qtz,loc chlrt

Grndrt a/a

Grndrt a/a

Grndrt dom qtz,biot,hrnbld, loc chlrt,tr alunite,tr realgar?

Grndrt a/a

Grndrt dom qtz,biot,hrnbld, loose K-fldspr,tr alunite, ylw-rd st

Grndrt a/a

Grndrt a/a

Grndrt a/a loc K-fldspr gns,tr Mag

Grndrt dom qtz,biot,hrnbld, loc loose K-fldspr,tr alunite

Grndrt a/a tr rd-ylw st w/in fract

Grndrt a/a

Grndrt a/a

CASING LANDING: 22'

Grndrt a/a loc chlrt

Grndrt a/a rd-brn alter st w/in qtz & fldspr

Grndrt dom qtz,fldspr,biot, hrnbld,chlrt,rd-brn alter st w/in qtz

Grndrt a/a inc rd-brn st, sli inc fldspr

Grndrt a/a sli inc fldspr, dec rd-st

Grndrt a/a

Grndrt dom rd-st qtz & fldspr,biot,hrnbld,loc loose K-fldspr

Grndrt a/a loc chlrt,abundant rd-brn st

Grndrt a/a dec mafic mnrls, tr chlrt

Grndrt dom qtz & fldspr, abundant rd-brn st

Grndrt a/a sli inc rd-brn alter st

Grndrt a/a

Grndrt qtz,fldspr,biot, hrnbld,tr chlrt,f-gr,rd-brn alter st

Grndrt a/a

Grndrt a/a dec rd-brn st, dec mafic mnrls

Grndrt a/a dec mafic mnrls

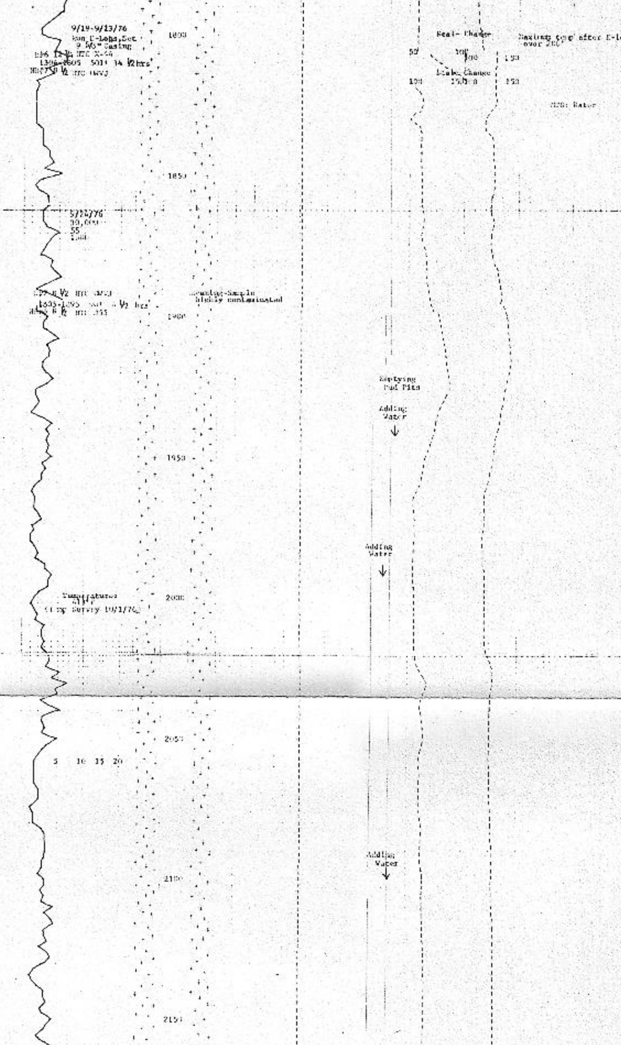
Grndrt a/a

Grndrt a/a

Grndrt a/a

Grndrt a/a

Grndrt a/a dec rd-brn alter st



Grndrt a/a

Grndrt a/a

Grndrt a/a loc K-fldspr,
dec biot,tr chlrt

Grndrt a/a loc K-fldspr,tr
biot grs

Grndrt a/a

Grndrt a/a

Grndrt a/a
Grndrt dom qtz,loc biot grs,
loc K-fldspr,loc hrnbld

Grndrt a/a loc ylw st

Grndrt a/a rd-brn alter st

Grndrt a/a

Cement a/a rubber

Grndrt dom qtz,fldspr,loc
mafic & chlrt,rd-brn st

Grndrt dom qtz & fldspr,loc
mafic mnrls,tr chlrt,rd-
brn alter st

Grndrt a/a small-copper ma-
fic rich,chlrt,fldspr wea,
tr rd-brn st
Grndrt a/a inc slt-ppr
Grndrt a/a inc slt-ppr ma-
fic frags
Grndrt a/a dec slt-ppr

Grndrt a/a dec slt-ppr
Grndrt a/a tr slt-ppr mafic
frags
[illegible]
Grndrt a/a

Grndrt a/a

Grndrt a/a inc rd-brn st

Grndrt a/a

Grndrt a/a

Grndrt a/a dec rd-brn alter
st

Grndrt a/a

Grndrt dom qtz & fldspr,loc
mafic mnrls,tr chlrt,rd-
brn alter st

Grndrt a/a tr loose biot
grs

Grndrt a/a inc biot & hrnbld

Grndrt a/a dec mafic mnrls

Grndrt a/a

Grndrt a/a vf-gr mafic &
chlrt rich

Grndrt a/a dec mafic mnrls,
dec or-brn st

Grndrt a/a inc mafic mnrls
& chlrt
Grndrt a/a
Grndrt a/a inc mafic mnrls

Grndrt a/a tr rd-brn st

Grndrt dom qtz & fldspr,
abndt biot,ormblc,loc chlrt

Grndrt a/a

Grndrt a/a

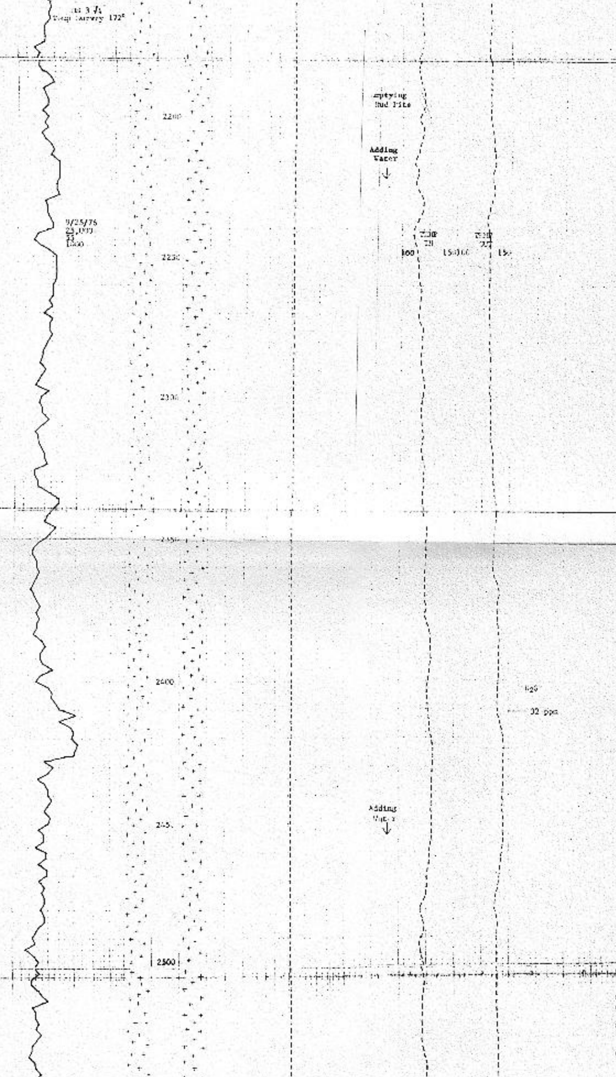
Grndrt v f-gr,slt-ppr,qtz,
abndt biot,chlrt,fldspr
Grndrt dom qtz & fldspr,
biot,+ loc slt-ppr a/a

Grndrt a/a inc mafic rich
slt-ppr

Grndrt dom qtz,fldspr,biot,
hrnbld

Grndrt a/a loc mafic rich
slt-ppr
Grndrt a/a dec slt-ppr

Grndrt dom qtz,fldspr,biot,
chlrt,loc slt-ppr,loc rd-
brn st



Grndrt a/a dec slt-ppr

Grndrt dom qtz,biot,fldspr, hrnbld

Grndrt a/a

Grndrt dom lt rd gt qtz,dec mafic mnrls,loc loose K-fldspr grn

Grndrt dom qtz,biot,fldspr, hrnbld,chlrt

Grndrt a/a loc mafic rich w/ rd fract fill,tr alunite

Grndrt a/a loc rd alter st

Grndrt dom qtz,dec mafic, loc chlrt,loc loose K-fldspr

Grndrt a/a

Grndrt a/a

Grndrt dom qtz,biot,hrnbld, loc K-fldspr

Grndrt a/a loc rd-brn st

Grndrt a/a loc biot,tr slt-ppr grndrt

Grndrt a/a

Grndrt a/a

Grndrt qtz,biot,fldspr,tr hrnbld,tr chlrt,loc lt tan alt(K-fldspr?)

Grndrt a/a

Grndrt dom qtz,fldspr,tr mafic mnrls

Grndrt a/a loc fldspr,inc mafic mnrls,loc chlrt

Grndrt a/a

Grndrt a/a tr slt-ppr grn- alt st

Grndrt a/a

Grndrt a/a [illegible] rd brn alter st

Grndrt a/a dec rd brn alter st,loc lt tan alt(K-fldspr?)

Grndrt a/a

Grndrt a/a loc chlrt

Grndrt a/a

Grndrt a/a

Grndrt a/a tr v f-gr,slt ppr grndrt

Grndrt dom v f-gr mafic,slt-ppr,abndt biot,chlrt,qtz, fldspr,hrnbld

Grndrt a/a inc qtz,fldspr

Grndrt a/a loc diorite

Grndrt a/a

Grndrt dom f-gr,qtz,biot, loc K fldspr grn,loc slt-ppr a/a

Grndrt a/a

Grndrt a/a

Grndrt a/a loc rd-brn alter st

Grndrt a/a

Grndrt dom qtz,biot, loc K-fldspr,tr rd-brn st,loc slt-ppr mafic

Grndrt a/a tr slt-ppr mafic

Grndrt a/a dec biot

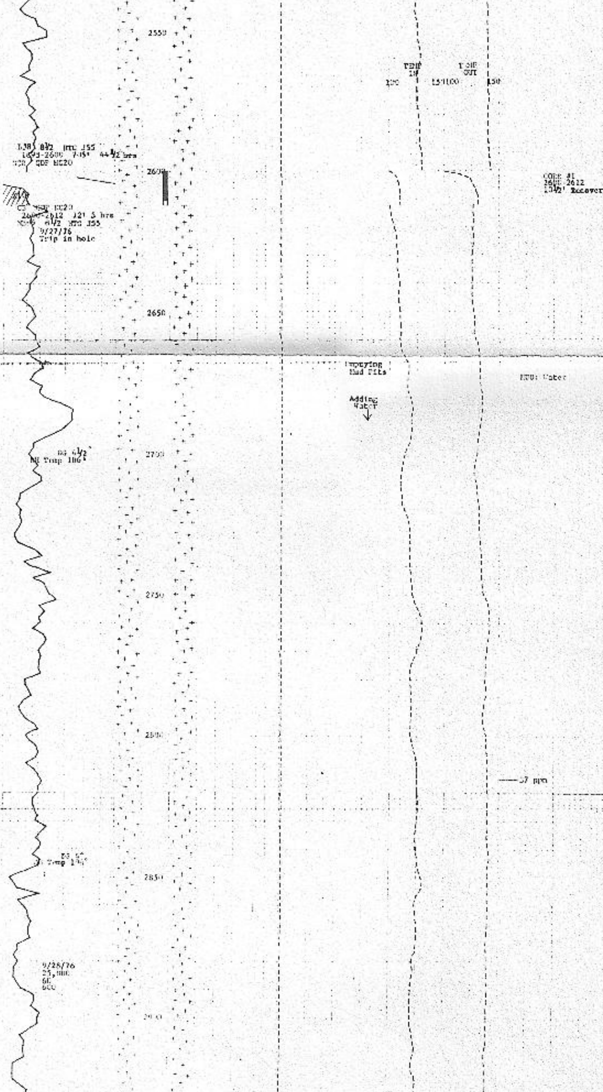
Grndrt dom qtz,biot,fldspr, loc chlrt

Grndrt a/a

Grndrt dom qtz,inc chlrt, dec biot

Grndrt a/a inc chlrt,tr biot

Grndrt dom qtz, abndt chlrt, loc biot,loc fldspr



Grndrt a/a dec chlrt

Grndrt a/a

Grndrt a/a

Grndrt a/a

Grndrt a/a

Grndrt a/a

Grndrt med gr,dom qtz,abndt biot,loc altr to chlrt, tan altr after hrnbld,tr rd st w/in qtz,tr pyr,qtz filled fracts

Grndrt a/a loc rd st,loc chlrt

Grndrt a/a tr metallic gry magnetite fract fill

Grndrt a/a tr slt-ppr grndrt

Grndrt a/a tr lt tan altr after hrnbld

Grndrt a/a

Grndrt a/a dec mafic mnrls, inc qtz

Grndrt a/a

CASING DEPTH: 21'

Grndrt a/a tr f-gr mafic rich,loc slt-ppr

Grndrt a/a inc mafic,loc v mafic

Grndrt a/a sl dec mafic,loc v mafic

Grndrt a/a abndt gn,slt-ppr chlrt rich,loc copper-rd mnrl along fracts(cinnabar

Grndrt a/a loc v mafic

Grndrt dom gn,slt-ppr,qtz, biot,chlrt,fldspr,hrnbld altered to tan mnrl

Grndrt a/a dec biot,inc qtz

Grndrt dom gn,slt-ppr a/a, mafic rich,f-gr,tr copper rd mnrl

Grndrt a/a inc mafic rich grndrt

Grndrt dom qtz,abndt slt-pp w/biot,tr chlrt,mag

Grndrt a/a inc slt-ppr,tr copper-rd fract fill

Grndrt a/a inc slt-ppr,tr chlrt

Grndrt a/a

Grndrt a/a

Grndrt dom qtz,abndt biot, loc chlrt,loc fldspr,tr alunite & mag fract fill, tr cinnabar

Grndrt a/a

Grndrt a/a

Grndrt a/a

Grndrt a/a

Grndrt dom qtz, abndt chlrt abndt biot,loc fldspr,tr alunite

Grndrt a/a inc chlrt,dec biot

Grndrt a/a

Grndrt altered,dom chlrt & chlrt st qtz,loc partially altr biot,loc pyrite

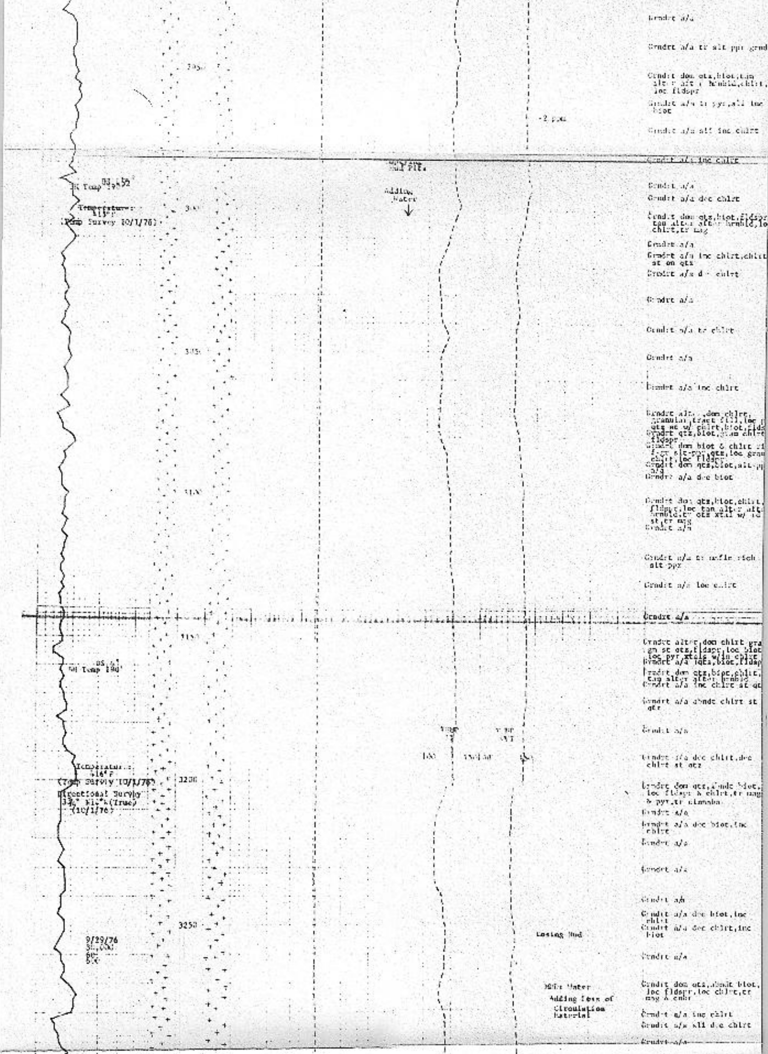
Grndrt a/a loc qtz,inc mafic mnrls,tr mag

Grndrt dom qtz,abndt chlrt loc fldspr,tr mag

Grndrt a/a dec chlrt

Grndrt dom qtz,abndt biot, loc chlrt,loc fldspr,loc gn st qtz,tr mag

Grndrt a/a



Grndrt a/a

Grndrt a/a tr alt ppr grndr

Grndrt dom qtz,biot,tan alter alt hrnbld,chlrt, loc fldspr

Grndrt a/a tr pyr,alt inc biot

Grndrt a/a alt inc chlrt

Grndrt a/a inc chlrt

Grndrt a/a

Grndrt a/a dec chlrt

Grndrt dom qtz,biot,fldspr tan alter alter hrnbld,lo chlrt,tr mag

Grndrt a/a

Grndrt a/a inc chlrt,chlrt st on qtz

Grndrt a/a dec chlrt

Grndrt a/a

Grndrt a/a tr chlrt

Grndrt a/a

Grndrt a/a inc chlrt

Grndrt alt ,dom chlrt, granular,fract fill,loc qtz st w/ chlrt,biot,flds

Grndrt qtz,biot,grn chlrt fldspr

Grndrt dom biot & chlrt fr alt-ppr,qtz,loc grn chlrt,loc fldspr

Grndrt dom qtz,biot,alt-pp a/a

Grndrt a/a dec biot

Grndrt dom qtz,biot,chlrt, fldspr,loc tan alter alt hrnbld,tr qtz xtal w/ st,tr mag

Grndrt a/a

Grndrt a/a tr mafic rich alt ppr

Grndrt a/a loc chlrt

Grndrt a/a

Grndrt alter,dom chlrt gra gn st qtz,fldspr,loc biot loc pyr xtals w/in chlrt

Grndrt a/a inc qtz,biot,fldsp

Grndrt dom qtz,biot,chlrt, tan alter alter hrnbld

Grndrt a/a inc chlrt st qt

Grndrt a/a abndt chlrt st qtz

Grndrt a/a

Grndrt a/a dec chlrt,dec chlrt st qtz

Grndrt dom qtz,abndt biot, loc fldspr & chlrt,tr mag & pyr,tr cinnabar

Grndrt a/a

Grndrt a/a dec biot,inc chlrt

Grndrt a/a

Grndrt a/a

Grndrt a/a

Grndrt a/a dec biot,inc chlrt

Grndrt a/a dec chlrt,inc biot

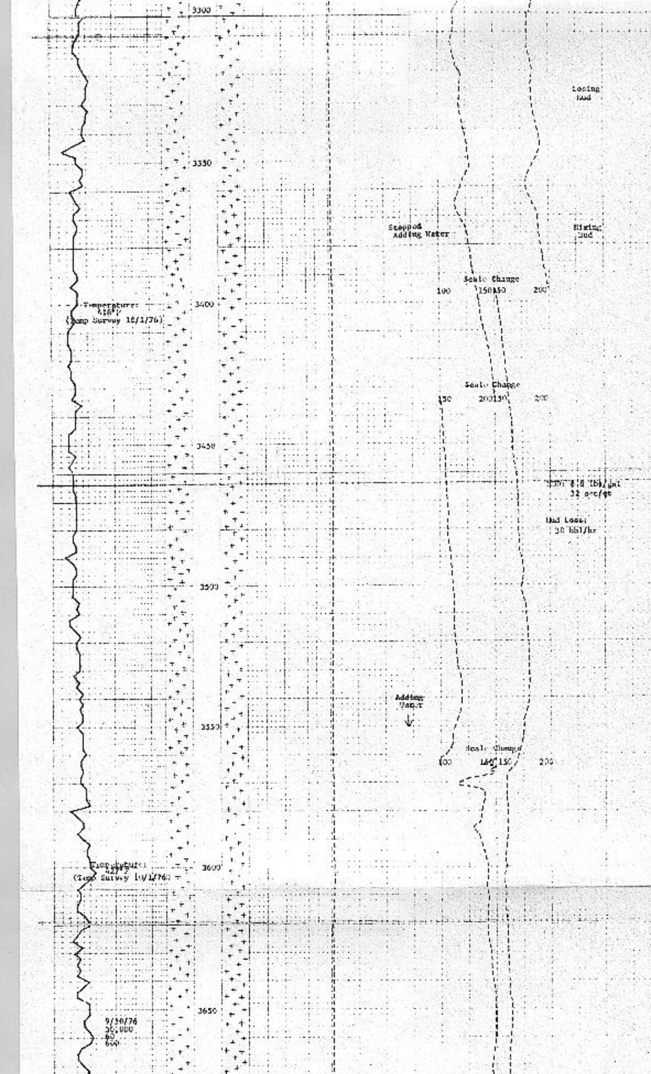
Grndrt a/a

Grndrt dom qtz,abndt biot, loc fldspr,loc chlrt,tr mag & cnbr

Grndrt a/a inc chlrt

Grndrt a/a sli dec chlrt

Grndrt a/a



Grndrt dom qtz,chlrt st qtz
biot,loc fldspr & chlrt

Grndrt a/a

Grndrt a/a

Grndrt a/a loc gran chlrt

Grndrt a/a inc chlrt,dec
biot
Grndrt dom qtz & chlrt st
qtz,gran chlrt
Grndrt a/a dec chlrt,inc
biot

Grndrt a/a dec biot, sli
inc chlrt
Grndrt a/a inc biot

Grndrt dom qtz,loc biot,loc
fldspr,loc chlrt

CALIPER LAGTIME: 27'
Grndrt a/a dec chlrt

Grndrt a/a

Grndrt dom qtz,loc chlrt,
loc fldspr,loc gn st qtz,
tr biot

Grndrt a/a

Grndrt a/a sli inc biot

Grndrt a/a

Grndrt a/a
Grndrt a/a inc chlrt,inc
gn st qtz
Grndrt dom qtz & fldspr,tr
chlrt

Grndrt a/a sli inc chlrt
Grndrt a/a tr biot

Grndrt a/a loc biot,loc
chlrt

Grndrt a/a
Grndrt dom qtz,abndt chlrt
& chlrt st qtz,tr fldspr &
biot,tr tan alter mtrl
Grndrt a/a

Grndrt a/a dec chlrt

Grndrt dom qtz,loc chlrt &
fldspr,loc chlrt st qtz

Grndrt a/a
Grndrt a/a tr pyr

Grndrt a/a

Grndrt a/a tr mag fract fil

Grndrt a/a inc chlrt,tr pyr

Grndrt a/a
Grndrt a/a inc pyr in chlrt
& qtz
Grndrt dom qtz,abndt chlrt,
inc biot, loc fldspr,tr
mag

Grndrt a/a

Grndrt a/

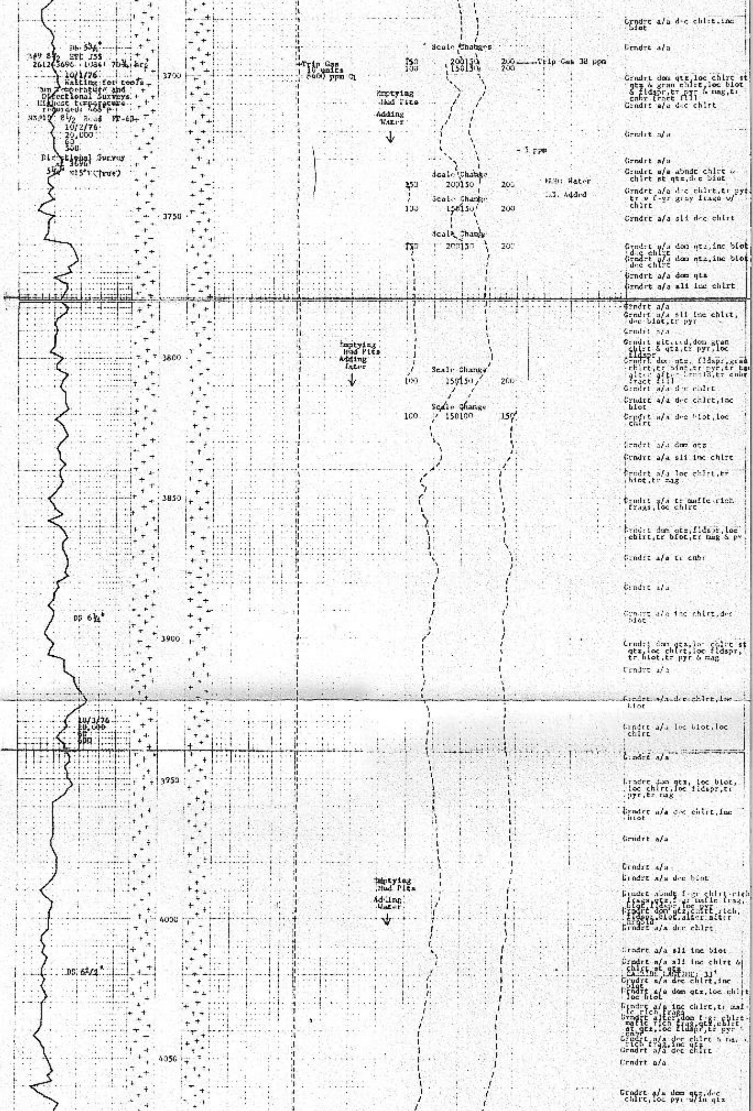
Grndrt dom qtz & chlrt st
qtz,loc chlrt,tr biot &
fldspr
Grndrt a/a
Grndrt a/a loc biot

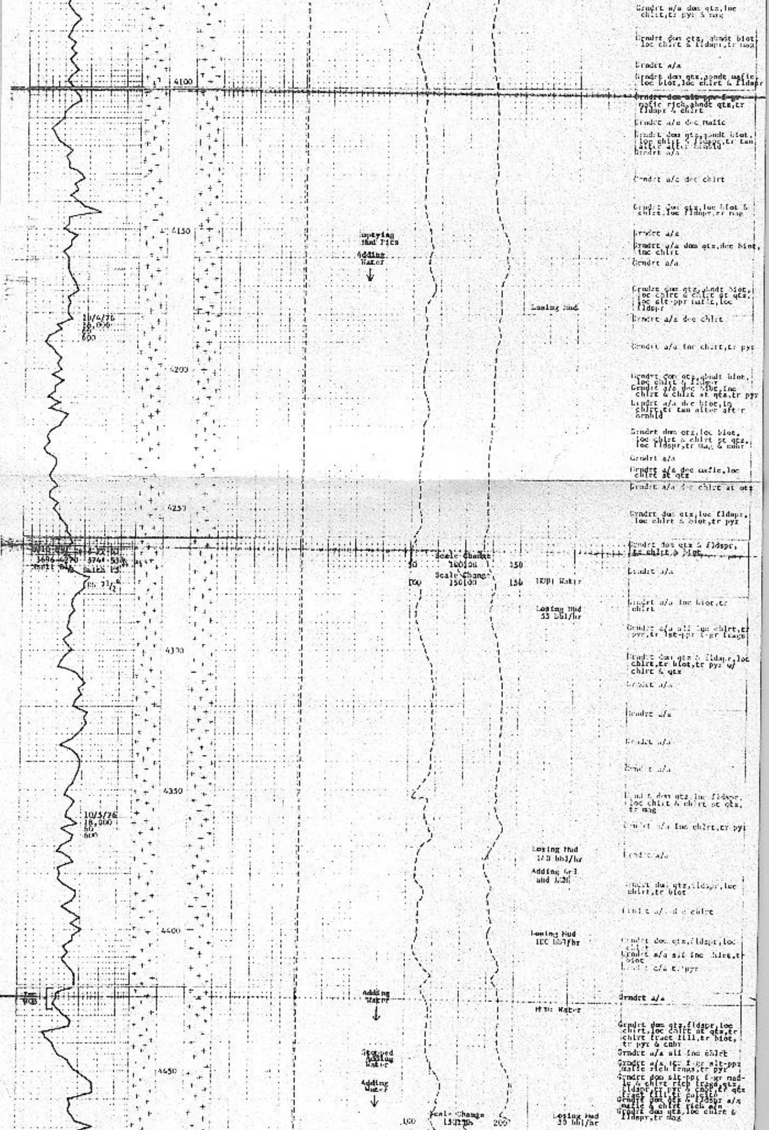
Grndrt dom qtz,loc chlrt st
qtz,loc chlrt,loc biot &
fldspr,tr mag,tr pyr & cnb
tr tan alter after hrnbld
Grndrt a/a

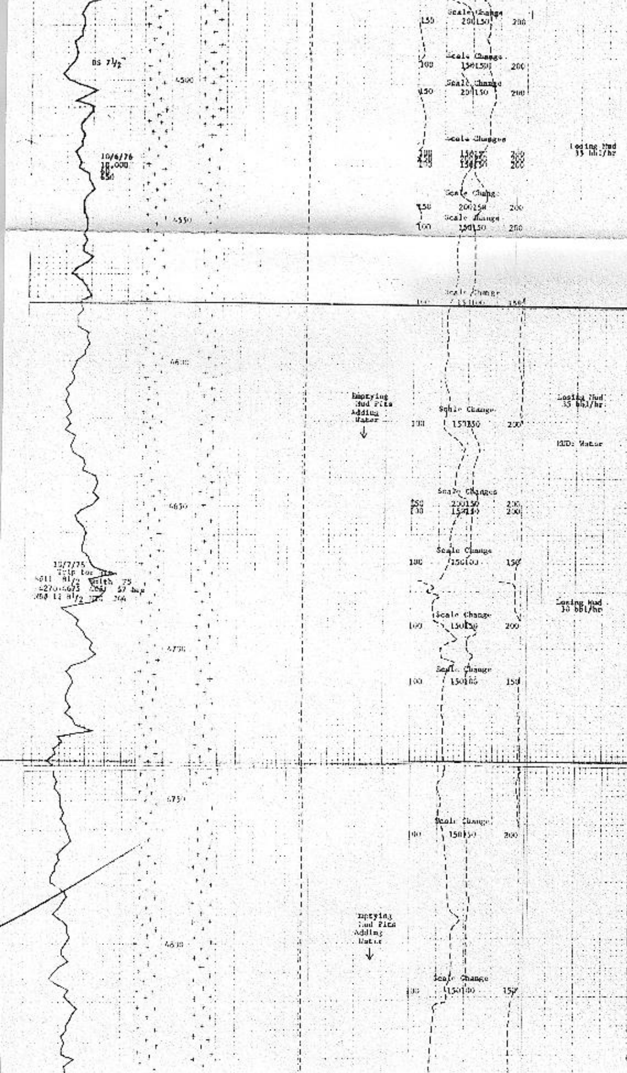
Grndrt a/a dom qtz,dec biot

Grndrt a/a

Grndrt a/a
Grndrt dom qtz,abndt chlrt
st qtz & chlrt,dec biot,tr
pyr & cnbr fract fill
Grndrt a/a







Grndrt a/a tr slt-ppr a/a

Grndrt a/a dec slt-ppr

Grndrt dom qtz,loc fldspr, loc chlrt & chlrt st qtz, loc biot,tr pyr & mag,tr tan altr after hrnbld

Grndrt a/a

Grndrt a/a

Grndrt a/a

CARBIDE LAGTIME: 35'

Grndrt a/a

Grndrt a/a

Grndrt a/a

Grndrt a/a

Grndrt dom qtz,fldspr,loc chlrt,tr biot,tr tan altr after hrnbld

Grndrt a/a

Grndrt a/a sli inc chlrt

Grndrt dom qtz,fldspr,loc biot,tr chlrt,tr tan altr after hrnbld

Grndrt a/a

Grndrt a/a sli inc chlrt

Grndrt dom qtz,fldspr,loc chlrt,tr biot,tr tan alter after hrnbld

Grndrt a/a sli inc chlrt

Grndrt a/a sli inc biot,dec chlrt

Grndrt a/a

Grndrt a/a sloc slt-ppr f-gr mafic & chlrt rich frags

Grndrt dom slt-ppr,mafic rich,f-gr,w/ qtz,loc chlrt, loc qtz & fldspr grndrt a/a

Grndrt a/a inc qtz & fldspr grndrt,dec slt-ppr

Grndrt dom qtz,fldspr,loc slt ppr mafic frags

Grndrt dom qtz,loc biot, loc fldspr,loc chlrt,tr mag

Grndrt a/a

Grndrt dom slt-ppr,mafic rich,f-gr,w/ qtz,loc qtz & fldspr grndrt

Grndrt a/a tr cnbr

Grndrt a/a dec mafic slt-ppr

Grndrt dom slt-ppr mafic rich,f-gr,w/ qtz,loc chlrt altr,loc qtz & fldspr grndrt

Grndrt a/a

Grndrt a/a inc qtz & fldspr grndrt,dec slt-ppr,tr cnbr

Grndrt a/a dec mafic slt-ppr,loc qtz & fldspr grndrt, loc loose biot xtals

Grndrt a/a

Grndrt a/a inc slt-ppr

Grndrt dom qtz,fldspr,loc biot,tr chlrt,loc slt-ppr mafic frags

Grndrt a/a loc biot altr to chlrt,dec mafic slt-ppr

Grndrt a/a dom qtz & fldspr, loc biot

Grndrt a/a inc slt-ppr mafic f-gr frags,loc chlrt

Grndrt dom slt-ppr mafic f-gr frags,w/qtz,loc chlrt, loc qtz,& fldspr grndrt

Grndrt a/a dec slt-ppr,inc qtz & fldspr

Grndrt dom qtz,fldspr,loc biot,loc slt-ppr mafic, tr chlrt

Grndrt a/a

Grndrt a/a

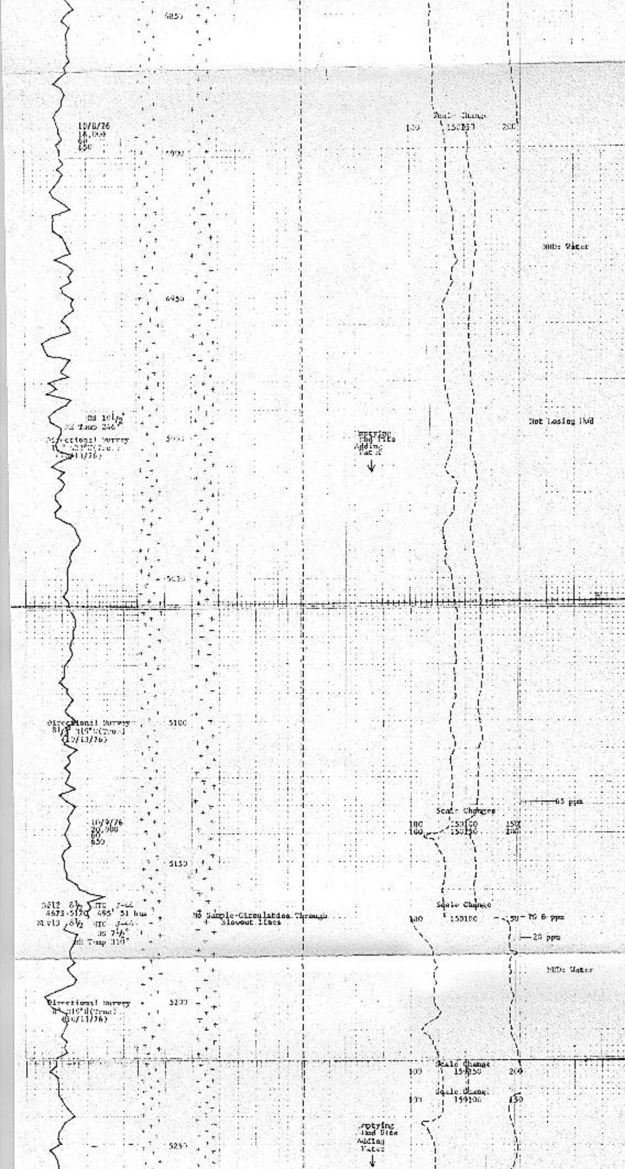
Grndrt a/a tr tan altr after hrnbld

Grndrt a/a

Grndrt dom qtz,slt-ppr mafic frags,loc fldspr,loc biot, tr chlrt

Grndrt a/a dec slt-ppr,tr mag

Grndrt a/a tr slt-ppr



Grndrt a/a tr slt-ppr

Grndrt a/a

Grndrt a/a

Grndrt a/a

Grndrt a/a

Grndrt dom qtz,abndt biot, loc fldspr,tr chlrt,tr mag

Grndrt a/a loc chlrt at qtz

Grndrt a/a

Grndrt a/a

Grndrt a/a sli loc chlrt & mafic mnrls

Grndrt dom slt-ppr mafic & chlrt,qtz,loc fldspr,tr calcite,tr pyr

Grndrt a/a dec qtz & fldspr, loc chlrt,sli inc mafic

Grndrt a/a dec chlrt,sli inc qtz & fldspr

Grndrt a/a inc qtz & fldspr, dec biot,dec slt-ppr

Grndrt a/a inc chlrt & chlrt at qtz,tan alter

Grndrt dom qtz & chlrt at qtz,slt-ppr,fldspr,tr calcite,tan alter,tr pyr

Grndrt dom chlrt at qtz & gran chlrt,qtz,fldspr,tan alter,loc slt ppr,tr calc

Grndrt a/a inc gran chlrt, tr pyr

Grndrt a/a dom chlrt & chlrt at qtz,dec slt-ppr

Grndrt a/a dec chlrt & chlrt at qtz,inc qtz & fldspr

Grndrt a/a dec chlrt,inc qtz,tr loose biot xls

Grndrt dom qtz,fldspr,biot, tr chlrt

Grndrt a/a +slt-ppr mafic, tr chlrt

Grndrt dom qtz,fldspr,biot, tr slt-ppr,tr tan alter after hrnbld

Grndrt a/a inc slt-ppr

Grndrt a/a dec slt-ppr

Grndrt a/a tr sh grn,gry blk qtz,loc whi slt cavity fill

Grndrt a/a tr chlrt

Grndrt dom qtz,fldspr,loc biot,tr chlrt,tr slt-ppr, tr pyr

Grndrt a/a tr pyr fract fill

Grndrt a/a sli inc biot,tr chlrt

Grndrt dom qtz,biot,loc fldspr,tr chlrt & tan alter after hrnbld,sli calc in fract fill

Grndrt a/a tr mag & pyr

Grndrt a/a

Grndrt dom qtz,loc biot,loc fldspr & chlrt,tr tan alter after hrnbld & tr mag,tr slt-ppr mafic,tr calc w/ chlrt

Grndrt a/a

Grndrt a/a

Grndrt a/a

Grndrt a/a

Grndrt a/a tr pyr

Grndrt a/a

Grndrt a/a sli inc chlrt

Grndrt a/a inc chlrt,dec biot

Grndrt dom qtz w/ gran chlrt inclusions,loc fldspr, tr biot

Grndrt a/a loc slt-ppr mafic,tr mag

Grndrt dom slt-ppr mafic, qtz,loc chlrt

Grndrt a/a slt-ppr w/ brn qtz

Grndrt a/a inc chlrt

Grndrt dom chlrt,qtz,loc slt-ppr,tr fldspr

Grndrt dom qtz,chlrt w/ pyr,slt-ppr mafic,tr fldspr

Grndrt dom slt-ppr mafic & qtz,loc chlrt w/ pyr, tr biot

Grndrt a/a tr qtz & cabr fract fill

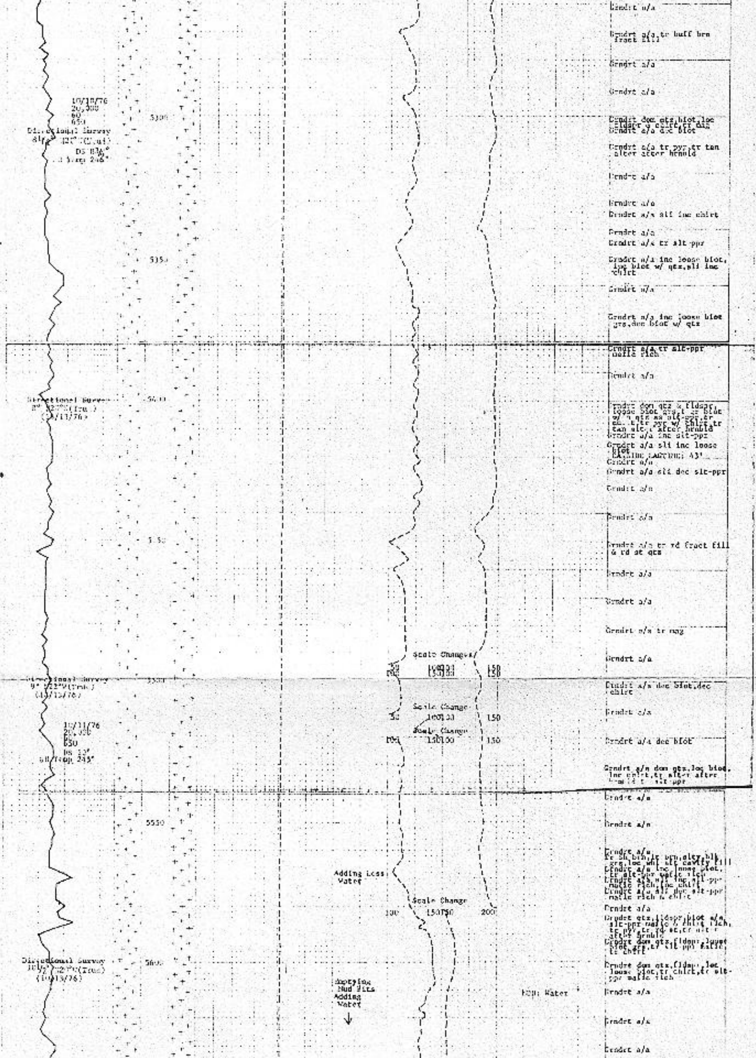
Grndrt a/a dec slt-ppr,inc qtz

Grndrt dom qtz,biot,loc slt-ppr mafic,loc fldspr & chlrt

Grndrt a/a inc slt ppr mafic

Grndrt a/a dec slt-ppr mafic

Grndrt dom qtz,biot,loc fldspr & chlrt,tr mag,tr cabr fract fill



Grndrt a/a

Grndrt a/a,tr buff brn fract fill

Grndrt a/a

Grndrt a/a

Grndrt dom qtz,biot,loc fldspr & chlrt,tr dia
Grndrt a/a dec biot

Grndrt a/a tr pyr,tr tan alter after hrnbld

Grndrt a/a

Grndrt a/a
Grndrt a/a sli inc chlrt

Grndrt a/a
Grndrt a/a tr slt-ppr

Grndrt a/a inc loose biot, loc biot w/ qtz,sli inc chlrt

Grndrt a/a

Grndrt a/a inc loose biot grs,dec biot w/ qtz

Grndrt a/a tr slt-ppr mafic rich

Grndrt a/a

Grndrt dom qtz & fldspr, loose biot grs,tr biot w/ qtz as slt-ppr,tr chlrt,tr pyr w/ chlrt,tr tan alter after hrnbld
Grndrt a/a inc slt-ppr
Grndrt a/a sli inc loose biot
LAGTIME: 43'
Grndrt a/a
Grndrt a/a sli dec slt-ppr

Grndrt a/a

Grndrt a/a

Grndrt a/a tr rd fract fill & rd st qtz

Grndrt a/a

Grndrt a/a

Grndrt a/a tr mag

Grndrt a/a

Grndrt a/a dec biot,dec chlrt

Grndrt a/a

Grndrt a/a dec biot

Grndrt a/a dom qtz,loc biot, inc chlrt,tr alter after hrnbld & slt-ppr

Grndrt a/a

Grndrt a/a

Grndrt a/a
tr Sh brn,lt brn,slty,blk grs,loc whi slt cavity fill
Grndrt a/a inc loose biot, tr slt-ppr mafic rich
Grndrt a/a sli inc slt-ppr mafic rich,inc chlrt
Grndrt a/a sli dec slt-ppr mafic rich & chlrt

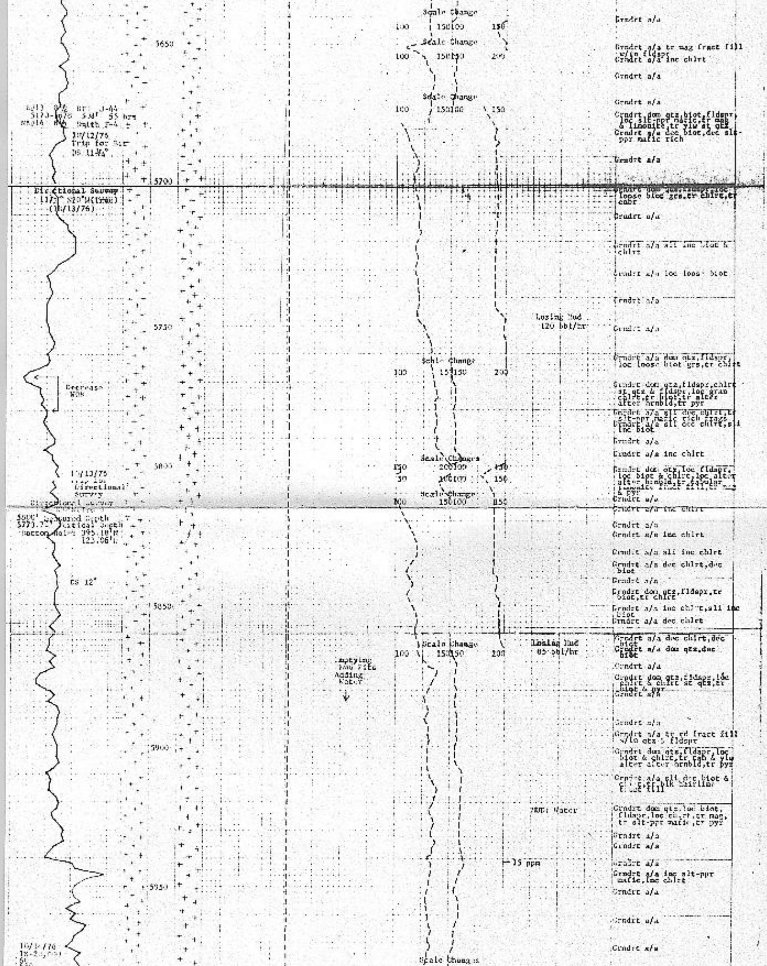
Grndrt a/a
Grndrt qtz,fldspr,biot a/a, slt-ppr mafic & chlrt rich, tr pyr,tr rd st,tr alter after hrnbld
Grndrt dom qtz,fldspr,loose biot grs,tr slt-ppr mafic, tr chlrt

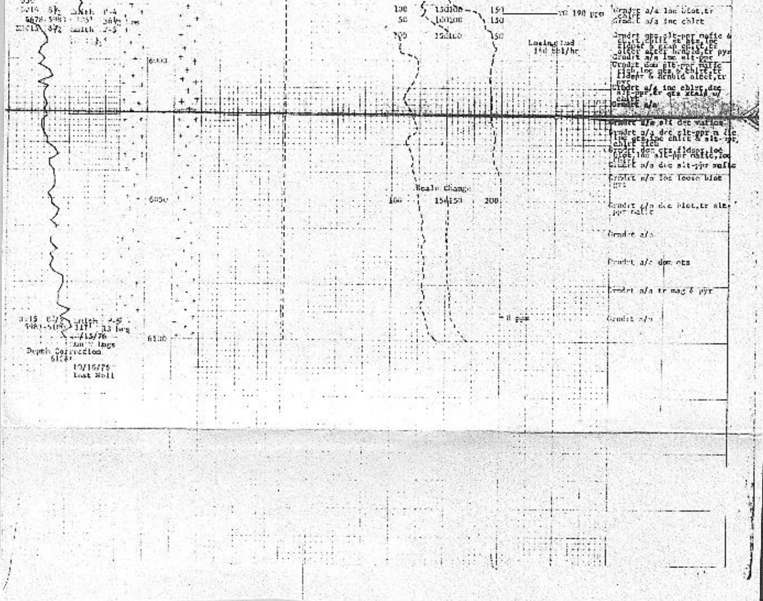
Grndrt dom qtz,fldspr,loc loose biot,tr chlrt,tr slt-ppr mafic rich

Grndrt a/a

Grndrt a/a

Grndrt a/a


Scale Change
100 150 100 150
5650
Scale Change
100 150 150 200
Scale Change
100 150 100 150
Bit 8¾ HTC J-44
5173-5678 505' 55 hrs
Depth F-4
10/12/76
Trip for Bit
DS 11¾°
5700
Directional Survey
11½° N20°W(True)
(10/13/76)
Losing Mud
120 bbl/hr
5750
Scale Change
100 150 150 200
Decrease
WOB
5800
Scale Changes
150 200 100 150
50 100 100 150
10/13/76
Directional
Survey
Directional Survey
Scale Change
100 150 100 150
5800' Measured Depth
5773.72' Vertical Depth
Bottom Hole 395.10'N
123.06'E
DS 12°
5850
Scale Change
100 150 150 200
Losing Mud
85 bbl/hr
Emptying
Mud Pits
Adding
Water
5900
Add Water
15 ppm
5950
10/14/76
Scale Change
Grndrt a/a
Grndrt a/a tr mag fract fill w/in fldspr
Grndrt a/a inc chlrt
Grndrt a/a
Grndrt a/a
Grndrt dom qtz,biot,fldspr, loc slt-ppr mafic,tr mag & limonite,tr ylw st qtz
Grndrt a/a dec biot,dec slt-ppr mafic rich
Grndrt a/a
Grndrt dom qtz,fldspr,loc loose biot grs,tr chlrt,tr cobr
Grndrt a/a
Grndrt a/a sli inc biot & chlrt
Grndrt a/a loc loose biot
Grndrt a/a
Grndrt a/a
Grndrt a/a dom qtz,fldspr, loc loose biot grs,tr chlrt
Grndrt dom qtz,fldspr,chlrt st qtz & fldspr,loc gran chlrt,tr biot,tr slcr alter hrnbld,tr pyr
Grndrt a/a sli dec chlrt,tr slt-ppr mafic rich frags
Grndrt a/a sli dec chlrt,sli inc biot
Grndrt a/a
Grndrt a/a inc chlrt
Grndrt dom qtz,loc fldspr, loc biot & chlrt,loc alter alter hrnbld,tr
& pyr
Grndrt a/a
Grndrt a/a inc chlrt
Grndrt a/a
Grndrt a/a inc chlrt
Grndrt a/a sli inc chlrt
Grndrt a/a dec chlrt,dec biot
Grndrt a/a
Grndrt dom qtz,fldspr,tr biot,tr chlrt
Grndrt a/a inc chlrt,sli inc biot
Grndrt a/a dec chlrt
Grndrt a/a dec chlrt,dec biot
Grndrt a/a dom qtz,dec biot
Grndrt a/a
Grndrt dom qtz,fldspr,loc chlrt & chlrt st qtz,tr biot & pyr
Grndrt a/a
Grndrt a/a
Grndrt a/a tr rd fract fill w/in qtz & fldspr
Grndrt dom qtz,fldspr,loc biot & chlrt,tr rdh & ylw alter alter hrnbld,tr pyr
Grndrt a/a sli dec biot & chlrt,tr blk
fract fill
Grndrt dom qtz,loc biot, fldspr,loc chlrt,tr mag, tr slt-ppr mafic,tr pyr
Grndrt a/a
Grndrt a/a
Grndrt a/a
Grndrt a/a inc slt-ppr mafic,inc chlrt
Grndrt a/a
Grndrt a/a
Grndrt a/a



5678-5983
Depth Correction
6108'
10/16/76
Last Roll
6000
6050
6100
100
50
200
150
100
150
150
150
150
~ 190 ppm
Losing mud
150 bbl/hr
Scale Change
100
150
150
200
8 ppm
Grndrt a/a loc biot,tr chlrt
Grndrt a/a inc chlrt
Grndrt qtz alt-ppr mafic & fldspr & gran chlrt,tr alter hrnbld,tr pyr
Grndrt a/a inc alt-ppr
Grndrt dom alt-ppr mafic, inc qtz & chlrt,tr fldspr & hrnbld alter,tr pyr
Grndrt a/a inc chlrt,dec alt-ppr,tr qtz xtals w/ chlrt
Grndrt a/a
Grndrt a/a alt dec mafics
Grndrt a/a dec alt-ppr m loc
Grndrt dom qtz,fldspr,loc biot,inc alt-ppr mafic,loc chlrt
Grndrt a/a dec alt-ppr mafic
Grndrt a/a loc loose biot pyr
Grndrt a/a dec biot,tr alt-ppr mafic
Grndrt a/a
Grndrt a/a dom qtz
Grndrt a/a tr mag & pyr
Grndrt a/a