CLASSIFIED

EXPLORATION LOGGING INC.

A GEOLOGICAL - ENGINEERING SERVICE CO.

REMARKS

DRILLING CONTRACTOR R.B. MONTGOMERY DRILLING CO.

RIG NO. 7

SPUD DATE 6-16-73 (8:00PM)

TYPE MUDS GEL-WATER

CASING RECORD

16" AT 171'

AT

HOLE SIZE

15" TO

TO

ABBREVIATIONS

NB	NEW BIT	W	MUD WEIGHT
RRB	RERUN BIT	V	MUD VISCOSITY
CB	CORE BIT	F	MUD FILTRATE ✗ CC [illegible] MIN
CR	CIRCULATE RETURNS	FC	FILTER CAKE
NR	NO RETURNS	SD	SAND CONTENT
PR	POOR RETURNS	S	SALINITY [illegible] ____
LAT	LOGGED AFTER TRIP		✗ PPM CL
TG	TRIP GAS	R	RESISTIVITY OF MUD
CG	CONNECTION GAS	RF	RESISTIVITY MUD FILTRATE
C	CARBIDE		
DST	DRILL STEM TEST		
]	DST INTERVAL		
▮	CORE INTERVAL		

COMPANY STANDARD OIL CO. OF CALIFORNIA

WELL "BLUE MOUNTAIN UNIT" NO.1

FIELD BLUE MOUNTAIN AREA

LOCATION SEC.28, T37N-R41E, WB&M

COUNTY, STATE MALHEUR, OREGON

API WELL INDEX NO.

ELEVATION 5608 (KB)

DATE FROM 6-18-73 TO

DEPTH FROM 171 TO

UNIT NO. 34

LOGGING GEOLOGISTS D.E. WALTERS
A.H. WARD

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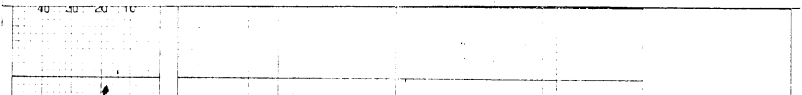
OIL Based on live oil in unwashed cuttings and percentage staining of washed cuttings.

GAS UNITS Gas Detector calibrated to record 100 units with a mixture of 2% methane in air.

LITHOLOGY SYMBOLS

⊐	Z	/	⌐	■	☐	−	≡	∸	·	O	Λ	V	X	T	✱
LIME STONE	DOLO MITE	GYPSUM AND ANHYDRITE	SALT	COAL AND LIGNITE	CLAY	SHALE	SILT STONE	SANDY SILTST	SAND	CONGL OMERATE	CHERT	VOL CANICS (FELSITE)	INTRU SIVE	TUFF	BAS-ALT

03 00080



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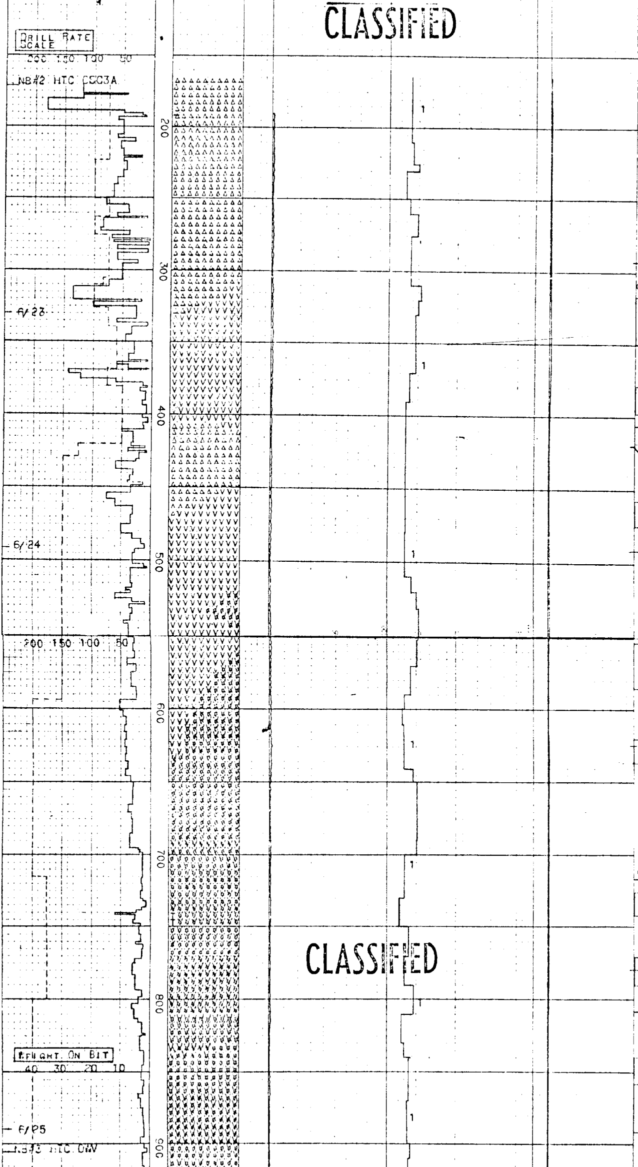

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10" CASING CMTD AT 171'.

DRILLING 15" HOLE.

VOLC. DEBRIS, CRSE, ANG/SUB-ANG, VARIEG., WEATHERED.

VOLC. DEBRIS, CRSE-V.CRSE, ANG-SUBANG, VARIEG., WEATHERED, POORLY SORTED.

297FT 0°15'

VOLC. DEBRIS, CRSE, UNCONSOL, COM GLASSY GRN.

W 67 V 50 F 8.0
FC 2/32" pH 9.0
S TR SD 1%
RM 4.8 RMF 4.0

VOLC. FELSITE W/ COM QTZ INCLUSIONS.

LOST CIRCULATION AT 303FT. SHALE SHAKER BYPASSED.

LOST CIRCULATION AT 418'.

1°30'

VOLC: VARICOLOR, RED-BRN, GRY, CRSE, ANG-SUB ANG, UNCONSOL, COM QTZ, GLASSY FRAGS.

C = 15U AT 78 VIS
LAG=27MIN AT 58SPM

1°45'

W 67 V 78

VOLC: LT-MED GRY, FN GRAINED, COM PHENOCRYSTS, GRADING IN COLOR TO DK GRY, FELSITE IN PART.

W 66 V 60 S TR
F 10.2 FC 2/32"
pH 9.5 SD 1%
RM 5.0 RMF 4.75

VOLC: DK GRY-BLK, FN GRAINED, GLASSY IN PT BASALTIC.

C = 27 U AT 64 VIS
LAG=22MIN AT 60SPM

BASALT, DK GRY-BLK, MICRO-XLN, V.DENSE, PT SILIC.

BASALT, AS ABOVE. OCCAS. TRCS LT GRY TUFFAC. CLAY.

2°00'

CONT'D BYPASSING OF SHAKER.

MINOR AMTS LT GRY TUFF INTRBD.

C=34U AT 48 VIS
LAG=23MINS AT 63SPM

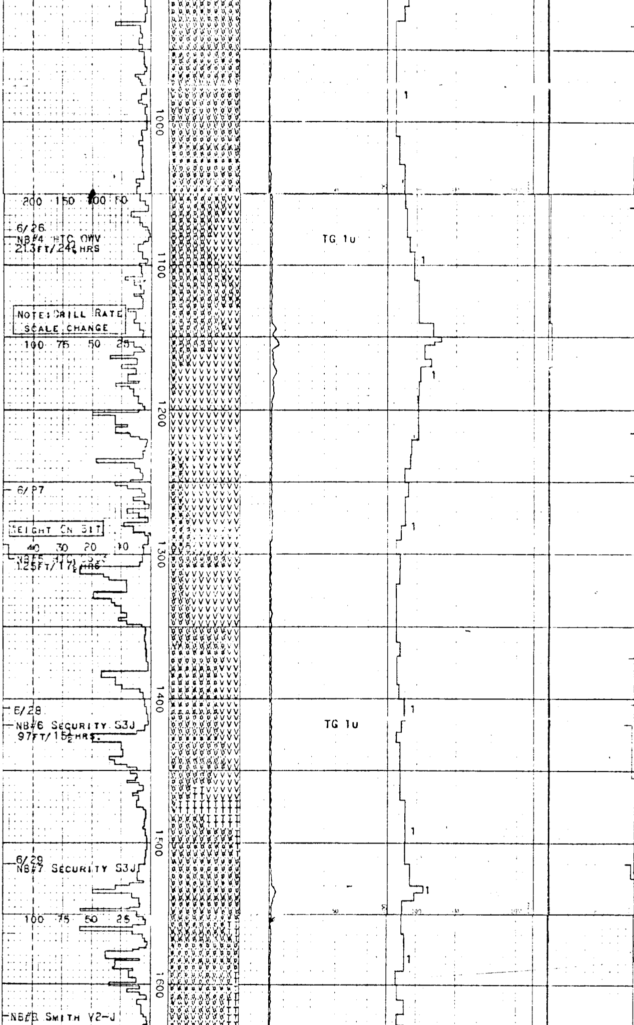
2°15'

BASALT, DK GRY-BLK, MICRO-XLN, HD, DENSE, ALTERED TO REDDISH-BRN IN PT.

LOST 45BBL DRILLING FLUID TO FORMATION.

W 68 V 49 S TR
F 8.0 FC 2/32"
pH 8.5 SD 1%
RM 4.8 RMF 4.7

BASALT, DK GRY-BLK, PT RED-BRN, MICRO-XLN, HD



1°00'

CONT'D BYPASSING SHAKER.

BASALT, DK GRY-BLK, MICRO-VF XLN, DENSE, ALTERED TO REDDISH BRN IN PT. TRCS OLIVINE.

LOST CIRCULATION AT 1003.

C=15U AT 65 VIS
LAG=23MINS AT 63SPM

1°15'

W 66.5	V 75	S TR	
F 10.4		FC 2/32"	
pH 7.2		SD 1¼%	
RM 4.9		RMF 4.8	

LOST CIRCULATION AT 11[illegible] & 1148. CONT'D BYPASSING SHAKER.

FELSITE, GRY-LT REDDISH BRN, VF XLN, PALE GRN-YELL. GRN PHENOCRYSTS.

LOST CIRC. AT 1216.

1°00'

C = 5 U AT 100VIS.
LAG=28MIN AT 63SPM

W 68	V 100	S 214	
F 9.6		FC 3/32"	
pH 7.6		SD 1¼%	
RM 7.3		RMF 7.1	

BASALT, DK GRY-BLK, VF XLN, DENSE.

FELSITE, REDDISH BRN-BRICK RED, MINOR AMTS PURPLE, VF-MICRO XLN, PALE GRN&WHT PHENOCRYSTS, W/ TRCS CALCITE FRACT. FILLING.

BASALT, DK GRY-BLK, FN XLN, HD, DENSE.

1°30'

C = 18 U AT 61 VIS
LAG=25MIN AT 63SPM

W 69	V 75	S 165	
F 9.8		FC 2/32"	
pH 9.0		SD 1¼%	
RM 3.9		RMF 3.8	

1°45'

TUFF, VARICOLORED, VFG-MICRO-XLN, HD, V. DENSE &SILIC. IN PT.

BASALT, DK GRY-BLK, MICRO-XLN, HD, DENSE, SILIC.

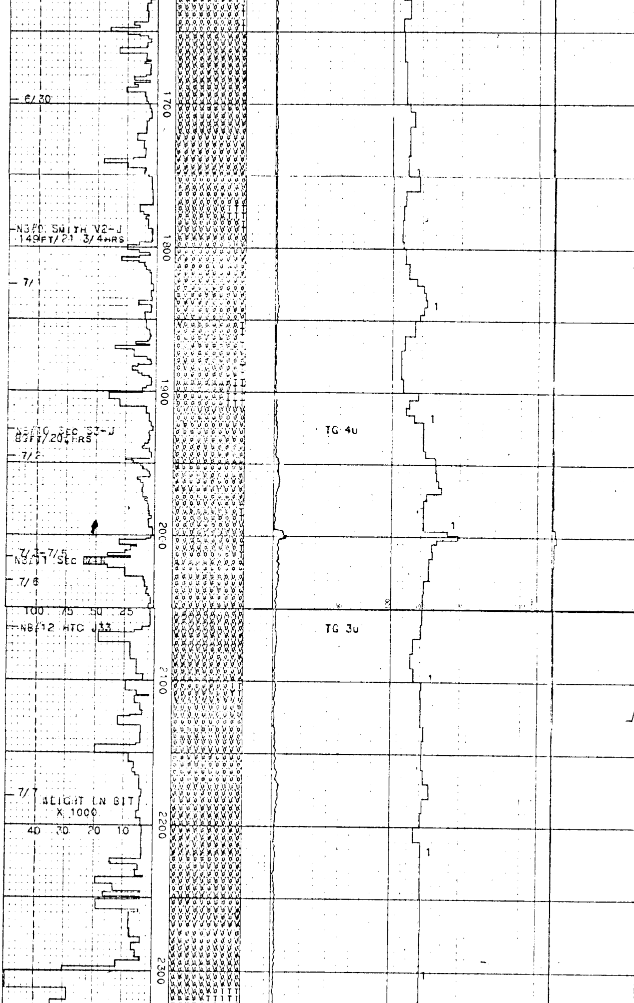
C=13U AT 65 VIS
LAG=35MINS AT 63 SPM

1°15'

CONT'D BYPASSING OF SHALE SHAKERS.

W 66	V 85	S 132	
F 9.5		FC 2/32"	
pH 9.0		SD 1%	
RM 3.6		RMF 3.4	

BASALT, DK GRY-BLK VF-MICRO-XLN, HD, DENSE. MINOR AMTS VARICOLORED TUFF INTRBD.



1°30'

C = 74 U AT 58 VIS
LAG=49MIN AT 61SPM

W	68.5	V	58	S	165
F	9.6			FC	2/32"
pH	9.0			SD	1¼%
Rm	3.6			Rmf	3.5

BASALT, MED-DK GRY, HD MICRO-XLN, DENSE.

BASALT, DK GRY-BLK, FN-MICRO-XLN, HD, DENSE. VARICOLORED TUFF INTRBD.

1°00'

W	70	V	100	S	165
F	9.6			FC	2/32"
pH	9.0			SD	1½%
Rm	3.5			Rmf	3.4

C = 10 U AT 100VIS
LAG=50MIN AT 60SPM

BASALT, DK GRY-BLK, FN-MICRO XLN, HD, DENSE. MINOR AMTS VARICOL RED TUFF INTRBD. TRCS CALCITE, BLK CARB. MATERIAL, LT GRY KAOL.

C = 11 U AT 85 VIS
LAG=47MIN AT 58SPM

W	69.5	V	60	S	180
F	8.0			FC	2/32"
pH	9.0			SD	1%
Rm	3.4			Rmf	3.3

BASALT, DK GRY-BLK, VF-FN XLN, HD, DENSE, MINOR AMTS GRN TUFF INTRBD. PARTLY ALTERED TO LT GRY KAOL.

10 3/4" CSG CMTD AT 2015.

DRILLING 9 7/8" HOLE

C=200U AT 39 VIS
LAG=15MINS AT 63SPM

W 66 V 38

1°15'

C=117U AT 37 VIS
LAG=15MINS AT 62SPM

BASALT, DK GRY-BLK, FN-MICRO-XLN, DENSE, ALTERED REDDISH BRN IN PT. TRCS KAOL, CHALCED, GRY GRN VESICLE FILLING.

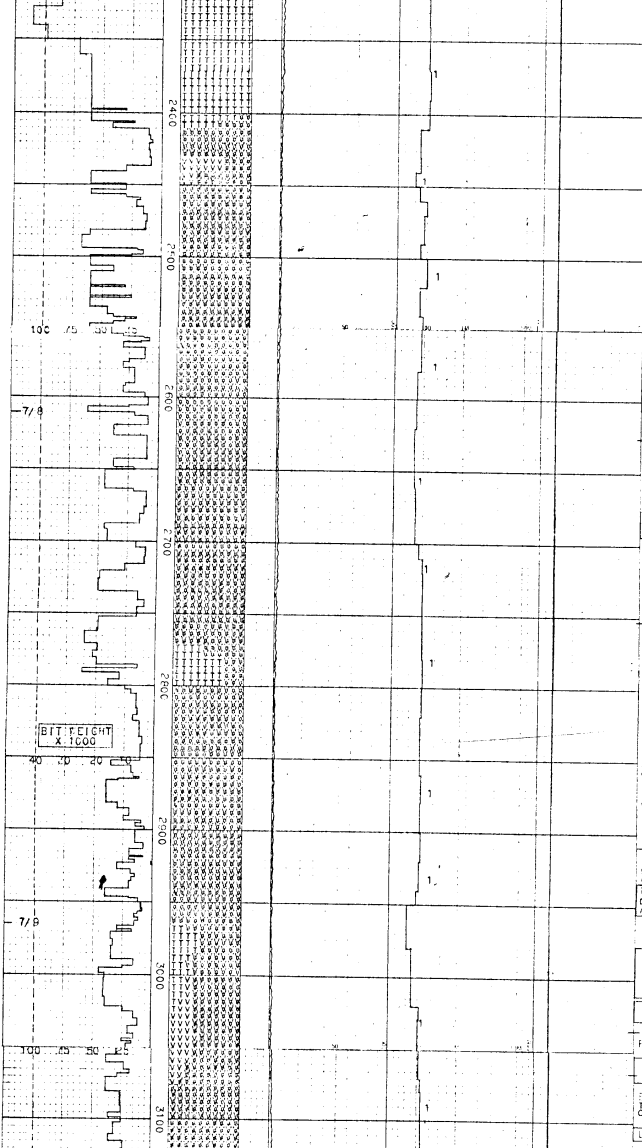
W	68	V	35	S	330
F	7.7			FC	2/32"
pH	10			SD	½%
Rm	1.65			Rmf	1.55

BASALT, RED BRN, DK GRY FN-MICRO-XLN, COM ALT PRODUCTS, MINOR CALC.

1°30'

BASALT, CONT'D AS LAST ABOVE.

BASALT, BRICK RED, FN GRNED, CORIACEOUS, MR ALTERATION PRODUCTS.



TUFF, LT GRY, COM GLASS &PLAG INCLUSIONS, WELDED PYROCLASTIC.

C = 200U AT 36 VIS
LAG=17MIN AT 58SPM

TUFF, REDDISH PINK, MICRO-CRYPTO XLN, HD, BRITTLE. TRCS GLASS INCL.

BASALT, DK GRY-BLK, VF-MICRO XLN, HD, DENSE, MINOR AMTS LT GRY KAOL.

FELSITE, LT REDDISH-BRN, W/QTZ&FELDSP. PHENOCRYSTS.

2°00'

BASALT, DK GRY-BLK, VF-MICRO XLN, ALTERED TO REDDISH BRN IN PT. TRCS CALCITE, CHALCED, GRY GRN VESICLE FILLING. TRCS GRN TUFF.

W	68	V 35	S 250
F	7.4	FC	2/32"
pH	10.0	SD	1%
RM	2.8	RMF	2.65

1°45'

BASALT, MED-DK GRY, FN MICRO-XLN, MINOR CALC COM CHALCED.

C = 200 U AT 35VIS
LAG=22MIN AT 56SPM

BASALT, DK GRY, BLK, FN TO MICRO-XLN, HARD, COM CALC, MINOR CHALCEDONY.

2°15'

BASALT, DK GRY, BLK, OCC BRICK RED, FN-MICRO-XLN, HARD, COM CALC, SL ALTERATION, MINOR CHALCEDONY. INTRBD REDDISH BRN TUFF.

BASALT, DK GRY-BLK, MICRO-CRYPTO XLN, HD, DENSE.

MINOR TRCS BLK CARB. MATERIAL.

GD TRCS, GREENISH GRY VESICLE FILLING.

2°30'

BASALT, DK GRY-BLK, VF-MICRO XLN, HD, DENSE, W/ GD TRCS WHT CHALCED.

NOTE: LOST 80 BBLS. DRILLING MUD TO FORMATION (2940-2950)

W	68	V 59	S 249
F	7.0	FC	2/32"
pH	9.0	SD	1/2%
RM	3.6	RMF	3.4

NOTE: LOST 55 BBLS MUD INTERVAL (3000-3065)

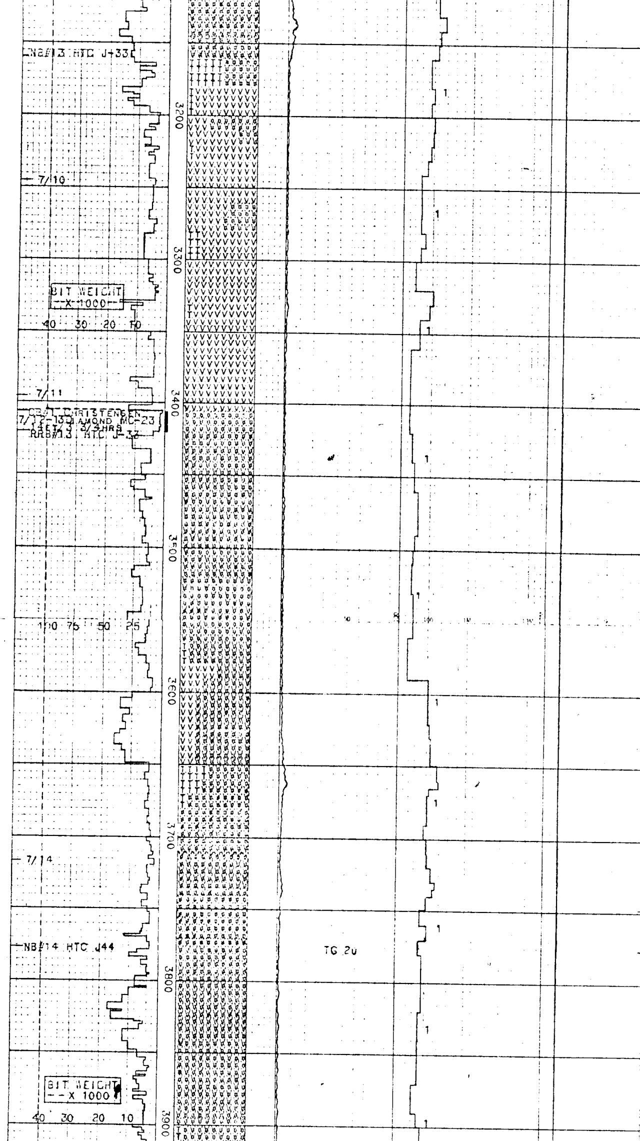
2°15'

FELSITE BRECCIA, RDBR

C=105 U AT 35VIS
LAG=26MIN/56SPM

BASALT, MED-DK GRY, FN TO SL MICRO-XLN, HARD COM CALC FRAGS.

LOST 150BBLS OF MUD.



BASALT, MED-DK GRY, VY FN GRNED, MINOR MICRO XLN, HARD.

BASALT, AS ABOVE, W/ REDDISH-BRN VESICLE FILLING. INTRBD VARI-COLORED TUFF, TUFF-BRECCIA.

2°15'

FELSITE, LT REDDISH-BRN, VF XLN.

LOST 125 BBLS OF MUD.

FELSITE, LT-MED GRY, VF-FN XLN.

W	68	V	50	S	248
F	7.6	FC	2/32"		
pH	9.0	SD	½%		
RM	4.2	RMF	4.0		

ADDING LOST CIRC. MAT BYPASSING SHALE SHAK

C=51U AT 45VIS
LAG=30MINS AT 62SPM

2°30'

FELSITE, LT-MED GRY, V FN-FNXLN, DENSE, HARD, POSS ANDESITE.

W	69	V	36	S	165
F	7.7	FC	2/32"		
pH	9.0	SD	1%		
RM	4.1	RMF	3.9		

CORE No. 1 (3406-3420)
REC. 14FT.

W	66	V	56	S	150
F	9.4	FC	2/32"		
pH	8.0	SD	1%		
RM	3.5	RMF	3.25		

C = 12 U AT 58VIS
LAG=28MIN AT 66SPM

CONT'D BYPASSING OF SHALE SHAKERS.

2°45'

BASALT, MED-DK GRY, BLK VY FN-MICRO-XLN, HARD DENSE, COM CALCITE.

C = 20 U AT 55 VIS
LAG=35MIN AT 60SPM

BASALT, DK GRY-BLK, VF-FN XLN, DENSE, TO VESICULAR, PART ALTERED. INTERBD FELSITE, REDDISH BRN, FN, XLN.

BASALT, DK GRY-BLK, VF-FN XLN, DENSE TO VESICULAR, ALTERED TO LT GRY KAOL. IN PT, MINOR AMTS ZEOLITE, CHALCED. VESICLE FILLING. INTERBD MINOR AMTS OF FELSITE, AS ABOVE.

2°00'

BASALT, MED-DK GRY, [illegible] XLN, HD, DENSE, & INTERBD VARI-[illegible] TUFF, [illegible] REC.

SHALE SHAKERS BACK IN OPERATION, [illegible] LOST CIRC. MATERIAL WITH CUTTINGS.

W	66	V	47	S	115
F	9.0	FC	2/32		
pH	7.[illegible]	SD	1%		
RM	[illegible]	RMF	3.0		

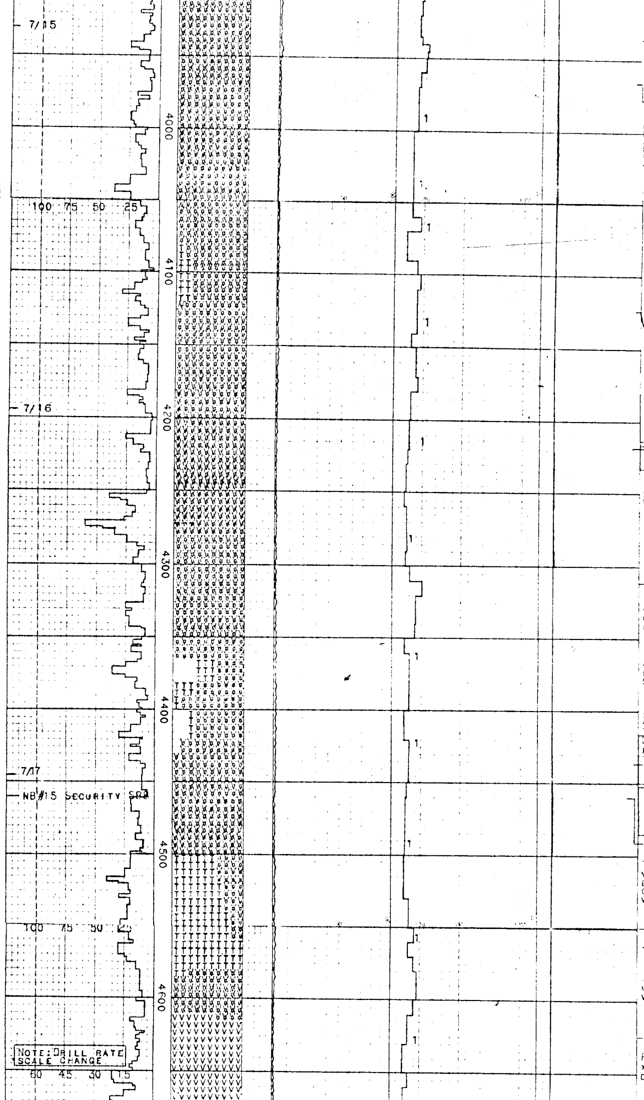
C = 3[illegible] U AT 50 VIS
LAG=[illegible]0MIN AT 66SPM

BASALT, MED-DK GRY, BLK FN-MICRO XLN, DENSE VY HARD, COM CALCITE.

2°45'

BASALT, MED-DK GRY, VF-MICRO XLN, HD, DENSE, MINOR TRCS LT GRY KAOL, CALCITE, ZEOLITE, WHT CHALCED.

BASALT, AS ABOVE.



-3°00'

W 66 V 50 S 132
F 8.9 FC 2/32
PH 9.5 SD 1½
RM 2.9 RMF 2.7

C = 48 U AT 50 VIS
LAG=71 MIN AT 66SPM

BASALT, BRICK RED, OCC DK GRY-BLK, PRED. VF-FN MINOR FN XLN, DENSE, HARD, COM ALTERATION PRODUCTS.

BASALT, VF-[illegible] GRY, VF XLN, DENSE, HD.

BASALT, MED-DK GRY, VF-FN XLN, HD, DENSE, W/ MINOR TRCS LT GRY KAOL. INTRBD MINOR AMTS REDDISH BRN TUFF.

BASALT, MED-DK GRY, FN XLN, PT ALTERED, VESICULAR, GD TRCS WHT CHALCED. FRACT. FILLING.

-0°30'

BASALT, MED-DK GRY, VF-FN XLN, HD, DENSE. MIN. AMTS LT GRY KAOL.

W 67 V 57 S 132
F 7.4 FC 2/32
PH 9.3 SD 1½
RM 2.9 RMF 2.7

C = 25 U AT 65VIS
LAG=33MIN AT 65SPM

BASALT, MED-DK GRY, BLK DENSE, HARD IN PART, W/ SOME HIGHLY ALTERED TO CLAYS, COM ACCESSORY MINERALS.

-0°30'

BASALT, MED-DK GRY, PT ALTERED, VESICULAR, W/ GD TRCS WHT CHALCED. FRACT. FILLING.

BASALT, MED-DK GRY, ALTERED, INTRBD W/ TUFF GRY-GREENISH GRY, ARG, SCL. IN PT.

BASALT, MED-DK GRY, ALTERED IN PT TO GRY CLAY, TRCS LT GRY KAOL.

LOST 80 BBLS MUD TO FORMATION AT 4430'.

C=24U AT 60VIS
LAG=75MINS AT 59SPM

W 69 V 65 S 130
F 7.4 FC 2/32
PH 8.3 SD 1½
RM 7.4 RMF 3.25

-0°15'

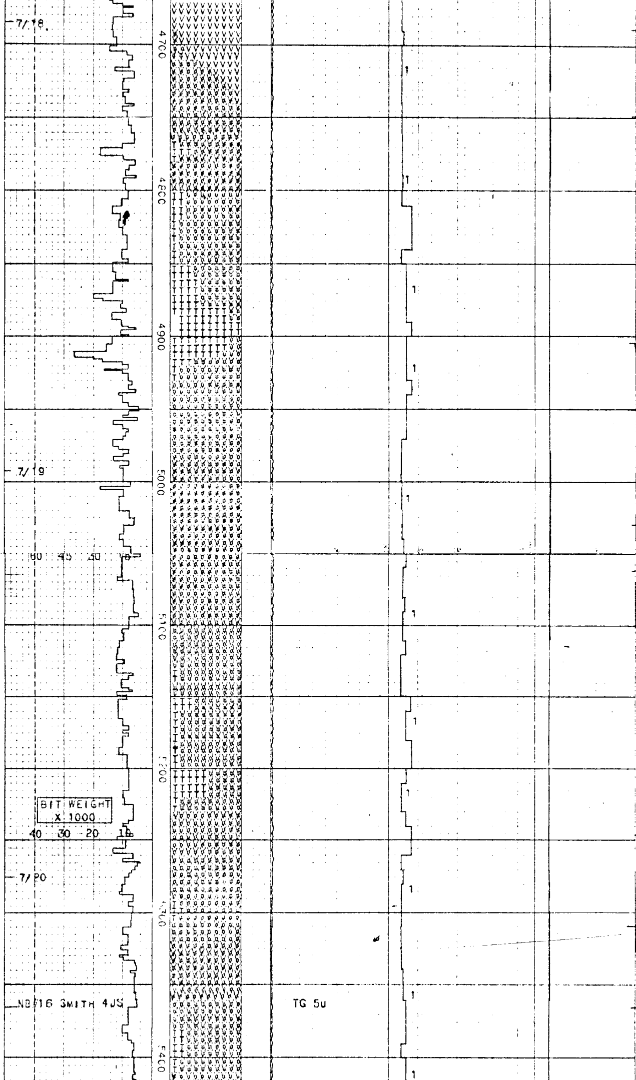
TUFF, PRED. LT GRY, MINOR AMTS REDDISH-BRN, SOFT, W/ GREENISH GRY MATERIAL FILLING VESICLES.

TUFF, LT GRY, WELDED, HD, DENSE.

BASALT, MED-DK GRY, MICRO-CRYPTO XLN, HD, V. DENSE, SILIC.

-0°45'

FELSITE, LT GRY, MICRO-XLN, UNIFORM TEXTURE, DENSE.



C = 32 U AT 52 VIS
LAG=78MIN AT 59SPM

W	67	V	51	S	172
F	9.3	FC	2/32"		
PH	9.8	SD	1%		
RM	3.4	RMF	3.25		

1°00'

BASALT, MED-DK GRY, FN MICRO-XLN, DENSE, HARD.

TUFF, LT GREEN, LT GRY, HIGHLY ALTERED TO VY SOFT CLAY LIKE TEXTURE.

BASALT, MED-DK GRY, VF-FN XLN, VESICULAR IN PT.

BASALT, MED-DK GRY, ALTERED TO GREENISH GRY IN PT, FN XLN, W/ CHALCED. & ZEOLITE FRACT. FILLING.

VARICOLORED TUFF INTRBD.

TUFF, BRICK RED-REDDISH BRN, ARG. IN PT

TUFF, VARIC, ARG-FIRM.

0°45'

BASALT, MED-DK GRY, MICRO-CRYPTO XLN, HD, V. DENSE.

BASALT, MED-DK GRY, MICRO-XLN, HD, DENSE. TRCS LT GRY KAOL.

BASALT, MED GRY, DK GRY BLK, PRED FN GRND, HARD DENSE, MIN R ACCESSORY MINERALS.

C = 74 U AT 53VIS
LAG=37MIN AT [illegible]SPM

2°15'

W	68	V	77	S	132
F	8.9	FC	2/32"		
PH	10.8	SD	1%		
RM	3.25	RMF	3.2		

BASALT, MED-DK GRY, FN XLN, ALTERED IN PT TO GREENISH GRY. MINOR AMTS GRY GRN TUFF INTRBD, TRCS ALTERATION MINERALS, FRACT. FILLING.

BASALT, DK GRY, VF XLN, ALTERED, INTRBD TUFF, PREDOM REDDISH-BRN, VARICOLORED IN PT.

1°45'

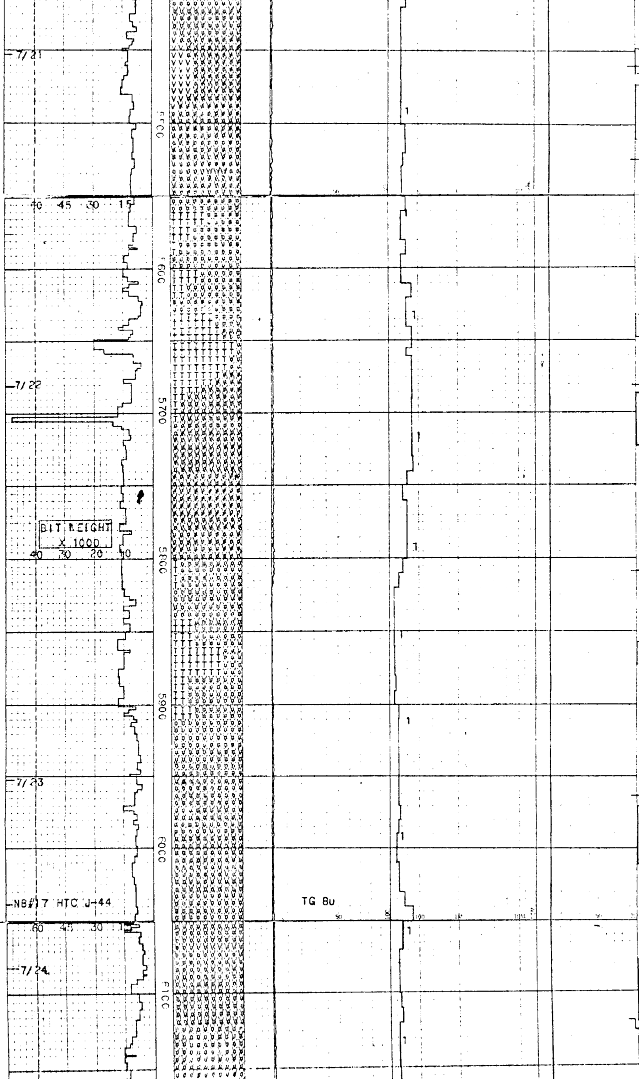
W	67	V	110	S	150
F	10.0	FC	2/32		
PH	11.0	SD	1%		
RM	3.3	RMF	[illegible]		

C = 67 U AT 60 VIS
LAG=43MIN AT 50SPM

BASALT, MED-DK GRY, BLK BRICK RED IN PART, SL ALTERED, W/ ACCESSORY MIN, KAOL, CHLORITE, SERPENTINE.

2°30'

BASALT, MED-DK GRY, VF-FN XLN, ALTERED IN PT, W/ GRY GRN-REDDISH CAST. MINOR AMTS LT GRY KAOL.



BASALT, MED-DK GRY, MICRO-XLN, HD, V. DENSE, TRCS KAOL., AC AP VI.

C = 21 U AT VIS
LAG=47MIN AT 50 SPM

W 68 V 52 S 165
F 6.8 FC 2/32
PH 10.0 SD 1%
RM 2.9 RMF 2.75

1°45'

BASALT, MED-DK GRY TO VARICOL, ALTERED IN PT.

TUFF, PREDOM. REDDISH-BRN, ARG-FIRM.

BASALT, VF XLN, ALTERED TO GREENISH GRY CAST, VESIC., W/GD TRCS ZEOLITE, CALCEI FRACT. FILLING.

BASALT, DK GRY-BLK, FN XLN, HD, DENSE, SILIC.

C=70 U AT 65 VIS
LAG=4 MINS AT 64 SPM

TUFF, VARICOLORED, PREDOM REDDISH-BRN, ARG-FIRM.

2°00'

W 68 V 61 S 130
F 7.4 FC 2/32"
pH 11.0 SD ¼%
RM 2.0 RMF 2.7

BASALT, MED-DK GRY, TR VARICOLOR, FN-MICRO-XLN, ALTERED IN PART, MINOR ACCESSORIES, ZEOLITES, SERPENTINE.

BASALT, MED-DK GRY GRN FN-MICRO XLN, DENSE IN PART, ALTERED IN PART.

2°00'

C=10U AT 65 VIS
LAG=48 MINS AT 63 SPM

TUFF, PRED. REDDISH-BRN, ARG-FIRM.

BASALT, DK GRY-BLK, VF-FN XLN, HD, DENSE. TRCS LT GRY KAOL.

1°45'

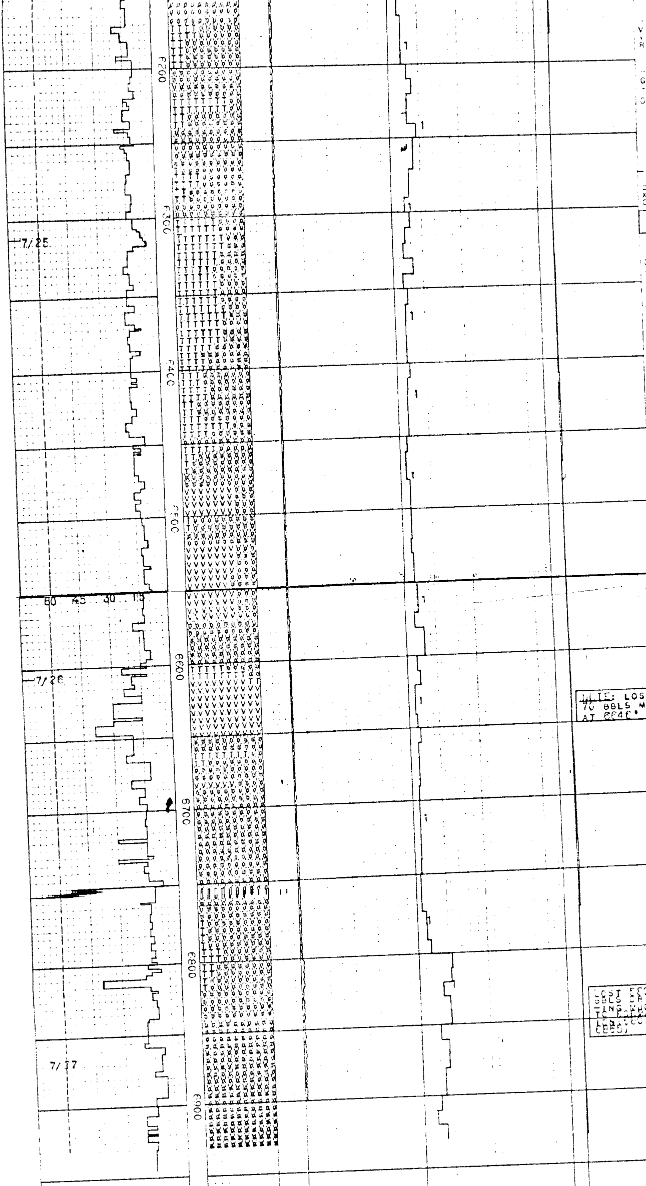
W 69 V 15 S 16
F 6.4 FC 2/3
PH 9.4 SD ¼%
RM 2.8 RMF 2.7

BASALT, DK GRY-BLK, FN XLN, HD, DENSE, TRCS LT GRY KAOL., GRY GRN VESICLE FILLING.

W 70 V 68 S 1
F 7 FC /3
P . SD .5%
RM 7.4 RMF 3

[illegible]

C = U AT VIS
LAG= MIN AT SPM



BASALT,MED-DK GRY, VESIC,CARB,ALTERED; VARICOL RED TUFF INT-RBD.

BASALT,ALTERED TO GRY GRN CAST,VF XLN

TUFF,VARIC,PRED,RED-DISH BRN,ARG-FIRM.

1°45'

BASALT,MED-DK GRY,VF XLN,ALTERED,TRCS LT GRY KAOL.,ZEOLITE.

C=11U AT 55VIS
LAG=4[illegible]MINS AT 64SPM

TUFF,VARIC,PRED MED-DK GRY [illegible] RED-DISH [illegible],ARG-FIRM, SOL; BASALT, [illegible] GRY, [illegible] XLN,ALTERED.

TUFF A/A,GRDG TO BRN GRN W/GD TR REDDISH BRN;CONT BASALT A/A.

BASALT,MED GRY-BLK, VF-FN XLN,ALTERED; TUFF,VARIC-BRN,ORG BRN/GRY,GRN,FIRM,ARG PART SOL.

TUFF,REDDISH BRN W/ ABUND WHT & GRN ACES MINERALS, [illegible],ALTERED.

FELSITE,REDDISH CAST, VF XLN,ALTERED,W/ ABUND WHT ZEOLITE FRACT. FILLING.

FELSITE,REDDISH CAST, VF-FN XLN,ALTERED.

C=37U AT 45 VIS
LAG=5[illegible]MINS AT 64SPM

BASALT,MED GRY,GRY GRN CAST IN PT,ALTER-TO GRY CLAY IN PT,GD TRCS ZEOLITE XLS,LT GRY KAOL.

FELSITE,VARIC,PRED MED GRY W/LOC ABUND RED,GRN,&WHT VESICULAR & FRACTURE FILLING,MOD HD-ARG,ALTERED.

NOTE: LOST 70 BBLS MUD AT 6640'

W 68 V 40 S 155
F 6.8 FC 2/32
PH 9.3 SD [illegible]
RM 7.0 RMF 4.7

BASALT,MED-DK GRY,VF RD-FN XLN,ALTERED IN PT TO GRN & RED CAST,TR FRACTURE FILLING,CO MED GRY & RED CLAYS;ABUND MICA IN SAMPLE FOR LOST CIRC.

C=14U AT 55 VIS
LAG=55MINS AT 58SPM

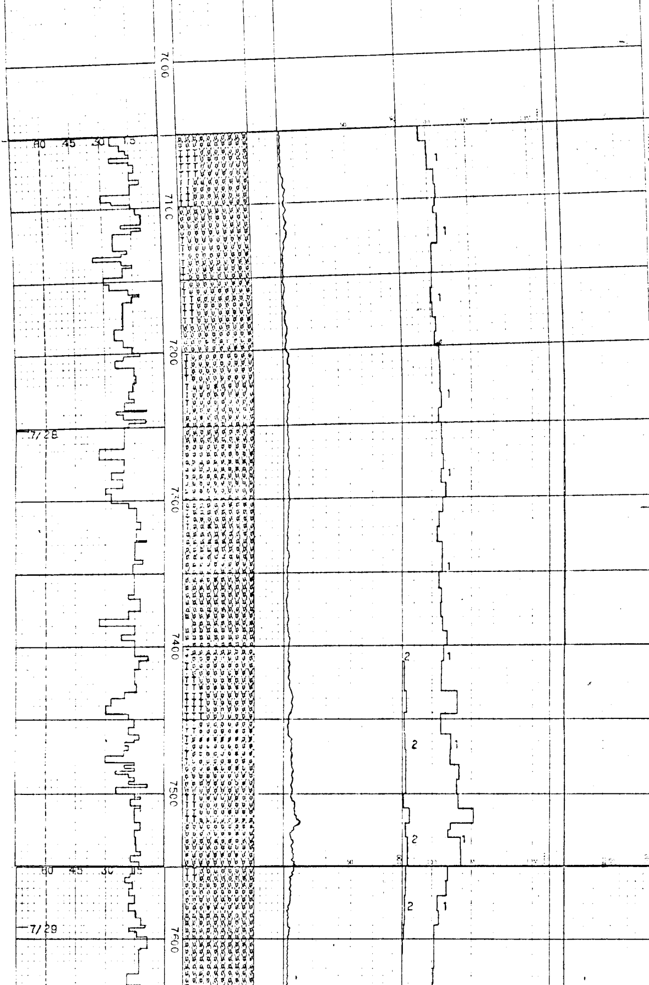
NOTE:LOST 135BBLS DRILLING MUD TO FORMATION(6775-6802)

NOTE:BYPASSING SHAKERS

NOTE:EXTREMELY FINE CUTTINGS(6790-)

LOST [illegible] BBLS DRILLING MUD TO FORMATION(6802-6850)

BASALT,VARICOL,PRED MED-DK GRY,ALTERED IN PART TO GRN,RED,& WHT,LOC CLAYEY,GD TR FRACTURE FILLING;ABUND LOST CIRC MATERIAL IN SAMPLE.



BASALT, MED-DK GRY, VF XLN, VESICULAR, ALTERED, INTRBD MINOR AMTS VARICOLORED TUFF. GD TRCS WHT ZEOLITE FRACT. FILLING.

BASALT, GRY GRN CAST, ALTERED, VESICULAR, MINOR AMTS VARICOLORED TUFF INTRBD, GD TRCS QTZ, ZEOLITE FRACT. FILLING

CONT'D BYPASSING OF SHAKER.

W 66	V 100	S 170	
F 9.6		FC	2/32
PH 7		SD	1.37
RM 7.5		RMF	7.9

BASALT, MED GRY-GRY/BLK, VF-XLN, ALTERED, LOC'VESICULAR, CONT'D GD TRCS QTZ, ZEOLITE FRACT FILLING.

1°15'

BASALT, VARICOLORED, GRY/GRN/RED/BLK, ALTERED, XLN, VESICULAR, LOC CLAYEY, SOL, GD TR FRACT FILLING.

CONT'D BYPASSING OF SHAKERS

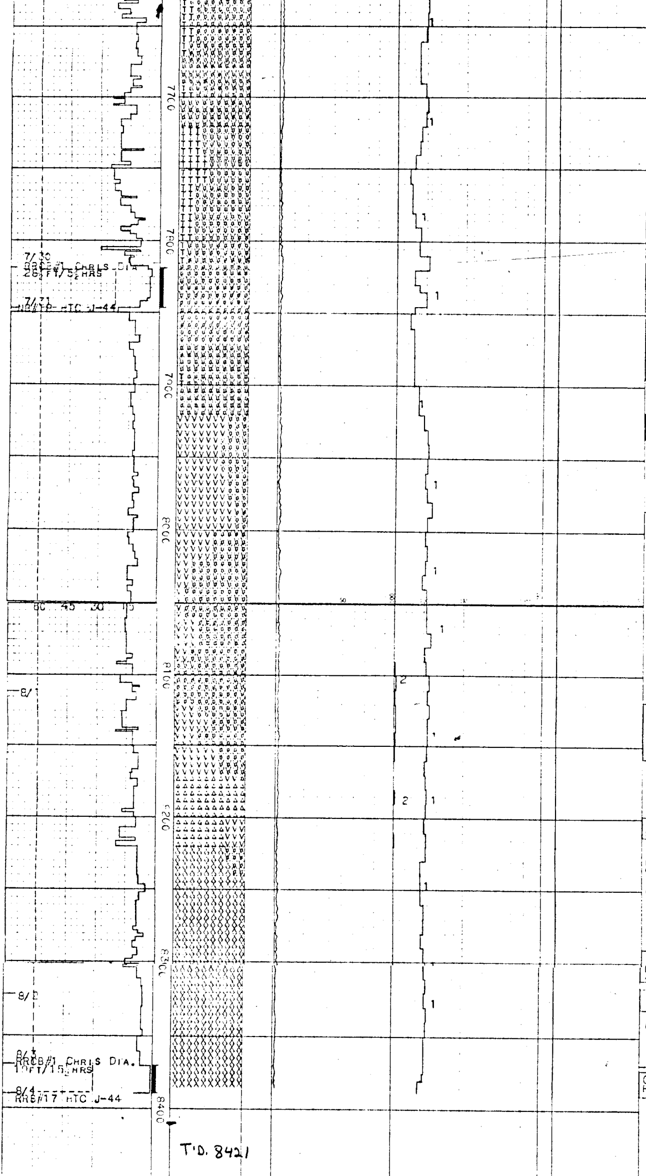
BASALT, MED-DK GRY, GREENISH CAST IN PT, ALTERED, INTRBD MINOR AMTS VARICOLORED TUFF TRCS ZEOLITE FRACT. FILLING.

CONT'D BYPASSING OF SHAKERS.

BASALT, MED-DK GRY, GREENISH CAST IN PT, ALTERED.

BASALT, MED-DK GRY, GRY GRN CAST IN PT, ALTERED, TRCS ZEOLITE FRACT. FILLING, GRY GRN VESICLE FILLING.

W 67.5	V 93	S 165	
F 9.2		FC	2/32
PH 8.3		SD	1.57
RM 7.5		RMF	7.5



T'D. 8421

G=9U AT 93 VIS
LAG=72MINS AT 60SPM

BASALT, VARICOLORED, MED-DK GRY, GRY/GRN, GRY/REDDISH BRN, ALTERED, MICRO-FN XLN, PART SOL, CONT'D FRAC FILLED; INTRBDS BRICK RED TUFF, VESICULAR, ALTERED W/WHT & GRN ACCESSORY MINERALS.

CONT'D BYPASSING OF SHAKERS.

BASALT, MED-DK GRY, GRY GRN CAST IN PT, ALTERED, MINOR AMTS VARICOLORED TUFF INTRBD. TRCS ZEOLITE, GRY GRN VESICLE FILLING.

2°15'

CORE No.2 (7819-7847.5)
REC.28½FT.

W [illegible]6.5	V [illegible]7	S [illegible]	
F 8.2		FC	2/32
PH [illegible]		SD	[illegible]
RM 3.3		RMF	7.7

G=[illegible]U AT 57 VIS
LAG=107MINS AT 48SPM

FELSITE, REDDISH CAST, VF XLN, OCCAS. PALE GRN PHENOCRYSTS, ALTERED IN PT, FINELY VESICULAR IN PT, TRCS ZEOLITE FRACT. FILLING.

CONT'D BYPASSING OF SHAKERS.

BASALT, MED-DK GRY, ALTERED, V. FINELY VESICULAR.

BASALT, PRED DK GRY-BLK, LOC PURPLE CAST, [illegible] FILLING, ALTERED, XLN-VF-FN, TR [illegible] FILL, GRDG TO FELSITE, RED GRY/RED W/GRN & WHT VES FILL, TR GRN PHENO, ALTERED, XLN-VF-FN.

W [illegible]7	V [illegible]4	S 1[illegible]	
F [illegible].4		FC	2/32
PH [illegible].6		SD	[illegible]
RM [illegible].4		RMF	[illegible].4

VOLC. DEBRIS, FN-VCRSE ANG QTZ, CLR-FRSTD-BUFF W/WHT FLDSPR, UNC INSOL, PR SORTING

CONT'D BYPASSING OF SHAKERS.

GRANODIORITE, CRSE XLN, HD, DENSE, COMPOSED OF QTZ, ORTHOCLASE, BIOTITE, HORN BLENDE, ASSORTED VOLCANIC CAVINGS FROM ABOVE.

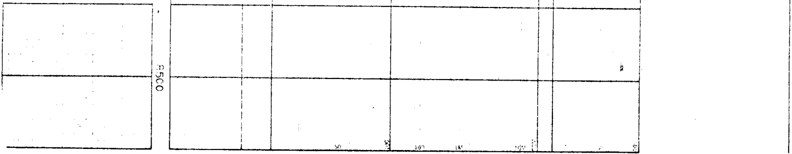
GRANODIORITE, AS ABOVE.

NOTE: [illegible] HOLE DRILLING [illegible] TO FORMATION AT 8365.

G=14U AT 60VIS
LAG=85MINS AT 60SPM

GRANODIORITE, AS ABOVE

1°30'

CORE No.3 (8369-8388)
REC.19FT.