UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Maps showing locations of holes drilled in 1955 by U.S. Geological Survey, Clay Gulch area, San Juan County, Utah

OFR 69-302

Open-file report

1969

This report is preliminary and has not been edited or reviewed for conformity with U.S. Geological Survey standards.

Maps showing locations of holes drilled in 1955 by U.S. Geological Survey, Clay Gulch area, San Juan County, Utah

Between October 19, 1955, and November 26, 1955, the U.S. Geological Survey drilled 9 holes in Clay Gulch area, San Juan County, Utah, to obtain geologic information that could be used in exploring for uranium-bearing deposits in the Shinarump Member of the Upper Triassic Chinle Formation.

The accompanying maps of the area explored are an index map (fig. 1) and another showing locations of holes drilled (fig. 2). Logs of holes identified on the location map may be inspected at the U.S. Geological Survey Library, Building 25, Federal Center, Denver, Colo. 80225, and at the U.S. Atomic Energy Commission Office, Grand Junction, Colo. 81501.

Rock name

CG - conglomerate or conglomeratic
SS - sandstone
MS - mudstone
ST - siltstone
CS - claystone
LS - limestone
CH - chert or cherty
SH - shale
CL - clay
QTZT - quartzite

Mineral name

Qtz - quartz
Gyp - gypsum
Py - pyrite
Chpy - chalcopyrite
Lim - limonite
Hem - hematite
Cal - calcite
Carn - carnotite
Fdspr - feldspar

Color description

Wh - white
Br - brown
R - red
Gy - gray
Bl - blue
Gn - green
Yw - yellow
Bk - black
Pp - purple
L - light
D - dark
M - medium

Grain sizes

Wentworth scale (modified)	Millimeters
VF - very fine	0.060 - 0.125
F - fine	0.125 - 0.210
MF - medium fine	0.210 - 0.300
M - medium	0.300 - 0.420
MC - medium coarse	0.420 - 0.600
C - coarse	0.600 - 1.000
VC - very coarse	1.000 - 2.000

Chemical abbreviations

Cbn - carbon
For all other elements use the standard chemical symbols, Cu for copper, Fe for iron, Mn for manganese, etc.

Relative abundance

(use only for accessory minerals, carbon and mudstone in sandstone)

N - none
S - sparse
A - abundant

Punctuation

, - and
/ - over
// - alternating with

Classification of mudstone in sandstone

P - pebbles, round or angular fragments of pebble size (more than 4 mm or 0.15 in.).
G - granules (less than 4 mm or 0.15 in., and more than 2 mm or 0.08 in.).
Fk - flakes, paper thin, with two longer dimensions..
Sm - seams, less than 0.1 ft. thick.
Fm - films, usually along lamination or cross-lamination planes.
Int - interstitial.

Miscellaneous abbreviations

OBN - overburden
Bby - Barnaby (gamma-ray logging instrument)
grad - gradational
incl - inclined
calc - calcareous
mot - mottled
qtzc - quartzitic
frag - fragment
msv - massive
disc - discard or discarded
op - opaque or opaques
H - high
L - low
Tr - trace
(H, L, Tr: use only for U_3O_8 and V_2O_5)
fav - favorable; semifav - semifavorable; unfav - unfavorable
alt - altered; altn - alteration
frac - fracture; fractd - fractured
lam - laminations or laminae; lamtd - laminated
xl - crystal; xln - crystalline
min - mineral; minzn - mineralization
cem - cement; cemtd - cemented; cemtn - cementation
conc - concentrated; concn - concentration
cond - condense or condensed
bdg - bedding; itbd - interbedded; x-bd - crossbed; x-bdg - crossbedding; x-bdd - crossbedded
ox - oxide; oxdzd - oxidized
OBSS - ore-bearing sandstone

/

Symbols for stratigraphic units

Tcl - Chinle Formation, lower part
Ts - Shinarump Member of Chinle Formation
Tm - Moenkopi Formation

Additional Information About Logs

The additional information contained in this supplement is useful in interpreting the GEOLOGIC AND ASSAY LOGS form.

Collar elevation.--Generally this is the elevation above mean-sea level of the drill-hole collar. The elevation in the space before T is temporary, that in the space before P is permanent. Permanent elevations are determined by plane-table methods; temporary elevations are determined by less accurate means.

Summary of log.--Each of the terms "favorable," "semifavorable," or "unfavorable" sums up the geologic factors that determine whether or not the hole is in ground considered favorable for the presence of ore. For instance, the term "favorable" indicates that the hole is in ground that shows most of the criteria that are present near ore deposits. A "favorable" hole is not necessarily one that is in mineralized rock.

Core recovery.--This is noted only where it is less than 80 percent. Poor recovery may mean that the log presents an incomplete geologic record of the unit of low recovery.

Field estimate.--The column headed "U_3O_8" gives the uranium oxide values based on visual estimates and portable geiger-counter readings made by the field geologist. The column headed "V_2O_5" gives vanadium oxide values based on visual estimates made by the field geologist.

Assays.--The values given in the columns headed "lab assay (%)" are chemical assays, with the exception of those preceded by "e." Chemical assays for uranium are determined only for those samples that register 0.045 percent or more eU_3O_8. Values preceded by "e" are determined by a laboratory gamma-ray scanner; they represent equivalent U_3O_8 values of rock samples sent in from the field. Gamma-ray values determined in the laboratory are generally more accurate than field estimates.

In the column headed "γ-ray, %eU_3O_8," the values given are determined from a gamma-ray field log, obtained by logging the drill hole with a geiger-counter probe. Gamma-ray values are given only for samples that register 0.010 percent or more U_3O_8.

Where notation about gamma-ray logging is lacking it is assumed that the hole was not logged radiometrically.

γ-ray log.--This column may be disregarded. See γ(gamma)-ray sub-column on lower part of log sheet.

GEOLOGIC AND ASSAY LOGS

COLORADO PLATEAU DISTRICT

Drill-hole No. CG-1

Inclination Vertical Bearing

Total depth 130.6

Collar elev. 3634.8 T P

Area Clay

Map coord (T)

Map coord (P)

Sec. 28 T. 40S R. 13E

Co., State SAN JUAN Co, UTAH

Claim

Date completed 10-31-55

Date logged 11-1-55

Logged by ESS

Rev. 11/4/55 WPH

Ed.

Summary of log ; OBSS from to thick ; SS color ; MS ; Cbn;

DRILL LOG

Depth	Rec ft.
76.0	0.3 Pel
81.9	6.0
87.9	6.3
94.3	4.3 TRS
99.1	[illegible]
109.1	[illegible]
114.3	5.1
121.9	7.6 Trm
124.9	3.0
130.6	5.5
54.6	45.8
45.8 / 54.6	84%

LITHOLOGIC LOG

Base	Thick	Rec %	Rock	Color	Grain	Access. Min's.	Cbn	MS in SS	Remarks
76.0	76.0								PLUG BIT - No CORE
81.8	5.8	5	MS	LGY			N		
89.5	7.7		SS	LGY	M	A:BK;OP;S;Sulphides	S	A GY VLH, MT	
99.8	10.3		SS	LGY	C/ME/C	A:BK OP S:Sulphides	S	A GY BK R AGY MT	
119.3	19.5		SS	LGY	VF/F	S BK OP S Mica	N	N	
122.3	3.0		SS	LGY	M/C	S BK OP S Sulphide	S	A GY MT	Bottom 0.8' very hard; Cbn at bottom
125.4	3.1		MS	GY		S; Mica	N		MOENKOPI Fm
130.6	5.2		MS	RBR		S; mica	N		

Sample		Lab assay (%)			Sample		Lab assay (%)			Interval		γ-ray	γ-ray (%e)	or	Field est.	
Base	Thick	U_3O_8 *	V_2O_5/Cu	$CaCO_3$	Base	Thick	U_3O_8 *	V_2O_5/Cu	$CaCO_3$	Base	Thick	%e U_3O_8	Base	Thick	U_3O_8	V_2O_5
										123.8						
										124.5	0.7	<0.005				
											Depth logged:					
											5.9	- 129.0				

Graphic log: 0.0; PLUG BIT; NO CORE; 276.0; CORE; 130.6

*Assays marked "e" are from lab gamma-ray readings

GPO 835041

Hole No. CG-1

GEOLOGIC AND ASSAY LOGS

COLORADO PLATEAU DISTRICT

Drill-hole No. CG-2 (Bx)
Inclination VERTICAL Bearing
Total depth 201.2
Collar elev. T 3827.4 P
Area CLAY GULCH

Map coord (T)
Map coord (P)
Sec. 28 T. 40S R. 13E
Co., State [illegible]

Claim
Date completed [illegible]
Date logged 10-19-55
Logged by [illegible]

Rev	11/4/55 WKH
Ed	

Summary of log [illegible]; OBSS from 154 to 195 thick 41; SS color LGY, GY; MS GY, GYGN; Cbn. S

DRILL LOG

Depth	Rec ft.
163.5	
173.5	10.0
183.5	10.0
191.2	9.7
201.2	10.0
37.7	37.7
	TRS
37.7 / 37.7 =	100%
	Trm

LITHOLOGIC LOG

Base	Thick	Rec %	Rock	Color	Grain	Access. Min's.	Cbn	MS in SS	Remarks
163.5	163.5								Plug bit. No core
169.5	6.0		SS	LGY	MF	S; BK; OP; S; Sulphides	S	S; GY; P; Sm	MS: P flattened seams contorted
174.5	5.0		MSCG	LGY		S; BK; OP; S; Sulphides	S	A; GY; BK; P	equal amounts of MS; P and large quartz grains
178.5	4.0		SS	LGY	MF	S; BK; OP; S; Sulphides	S	S; GY; P	A; large MS; P at base; A; Cbn; Sulphides in bottom 0.2'; Bottom 2.0 ft very hard
185.8	7.3		SS	GY	ML/MC	A; BK; OP; S; Sulphides	S	S; WH; INT	Cbn BK: OP concentrated in thin laminae along bedding planes
189.1	3.3		MSCG	LGY			S	S; WH; INT	mainly large MS; P with some large quartz P; many BK; MS?
191.3	2.2		MS	LGY		S; mica; S; sulphides	N		
194.7	3.4		SS	LGY	F	S; biotite flakes	N	N	Very dense
197.5	2.8		MS	GYGN		S; sulphides	N		
201.2	3.7		MS	RBR			N		S; GN; mot.

* Barnaby log indicates that SS unit began at depth of 153.7; hole was plugged into top of shinarump congl.

Sample Base	Sample Thick	Lab assay (%) U_3O_8*	V_2O_5/Cu	$CaCO_3$	Sample Base	Sample Thick	Lab assay (%) U_3O_8*	V_2O_5/Cu	$CaCO_3$	Interval Base	Interval Thick	γ-ray %e. U_3O_8	γ-ray (%e) or Field est Base	Thick	U_3O_8	V_2O_5
										190.6						
										191.3	0.7	<0.005				
											Depth	logged:				
											1.8 -	201.2				

Graphic log: 0.0, 201.5, COND, 201.5

*Assays marked "e" are from lab gamma-ray readings

GPO 835041

Hole No. [illegible]

GEOLOGIC AND ASSAY LOGS

COLORADO PLATEAU DISTRICT

Drill-hole No. CG-3
Inclination VERTICAL Bearing
Total depth 202.7
Collar elev. T P
Area CLAY GULCH

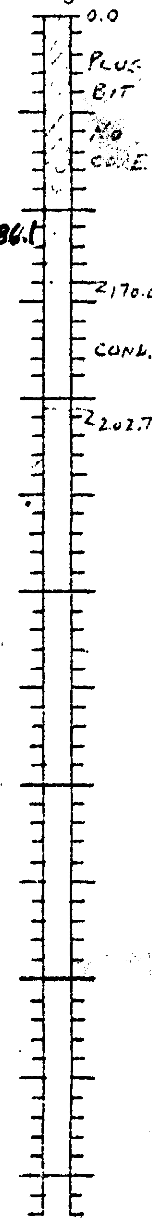
Map coord (T)
Map coord (P)
Sec. T. R.
Co., State

Claim
Date completed
Date logged
Logged by ESS

Rev	11/4/55	WLK
Ed		

Summary of log ; OBSS from to thick ; SS color ; MS ; Cbn. S

DRILL LOG		LITHOLOGIC LOG									
Depth	Rec ft.	Base	Thick	Rec %	Rock	Color	Grain	Access. Min's.	Cbn	MS in SS	Remarks
170.0		170.0	170.0								PLUG BIT - NO CORE
174.0	4.0	172.3	2.3		ST/MS	LGY		S; MICA	S		SANDY in places
184.0	9.7	180.[illegible]	8.[illegible]		SS	LGY	M/C	A BK OP S SULPHIDES	S	A; GY; P F M Aut	
[illegible]0	10.0	18[illegible]	6.[illegible]		SS	LGY	F	VS; BK; OP	S	N	BRECCIATED ZONE w/ A Cbn Sulphides 185.8-186.1
202.[illegible]	8.7	19[illegible]	6.9		SS	GY	M/VS	A BK OP S SULPHIDES	A	A GY P	S large Quartz MS pebbles at base
[illegible]2.7	32.4	198.2	[illegible]		MS	GYGN			N		Moenkopi Fm
		20[illegible]	4.5		MS	RBR		S; MICA	N		
2.4 / [illegible] =	99%										



Sample		Lab assay (%)			Sample		Lab assay (%)			Interval		γ-ray	γ-ray (%e) or Field est			
Base	Thick	U_3O_8*	V_2O_5/Cu	$CaCO_3$	Base	Thick	U_3O_8*	V_2O_5/Cu	$CaCO_3$	Base	Thick	%e U_3O_8	Base	Thick	U_3O_8	V_2O_5
										Barren						
										Depth logged:						
											20.6 - 201.1					

*Assays marked "e" are from lab gamma-ray readings

GPO 835041

Hole No. CG-3

COLORADO PLATEAU DISTRICT

Drill-hole No. CG-4 ([illegible])
Inclination VERTICAL Bearing
Total depth 251.0
Collar elev. T [illegible] P
Area [illegible]

Map coord (T)
Map coord (P)
Sec. 15 T. 40S R. 13E
Co., State [illegible]

Claim
Date completed 10-29-55
Date logged 10-30-55
Logged by [illegible]

Rev.	11/4/55	WLH
Ed		

Summary of log [illegible]; OBSS from 239 to 249 thick 10; SS color [illegible]; MS [illegible]; Cbn. S

Graphic log: 0.0 — Plug bit — No core — 130.5 — Cond. — 250.0

DRILL LOG / LITHOLOGIC LOG

Base	Thick	Rec %	Rock	Color	Grain	Access. Min's.	Cbn	MS in SS	Remarks
130.5	130.5								PLUG BIT - No CORE
135.7	5.2		MS//ST	R//LGY		S; MICA	N		R;MS;GY;ST; ST Ripple laminated, sandy
161.0	25.3		MS//ST	LGY		A; MICA	N		ST Ripple laminated; mica oriented parallel to laminae
178.8	17.8		MS//SS	GY//LGY	VF	A; Mica; S; BK; OP	N	N	Mainly Gy; MS with thin SS splits
190.7	11.9		SS	LGY	VF	S; BK; OP	N	N	S; Thin gy; MS splits
205.3	14.6		ST//SS	GY//LGY	VF	A; Mica; S; BK; OP	N	N	Mainly ripple laminated ST with S; thin SS split
239.2	33.9		SS	LGY	F	S; BK; OP; S; Sulphides	S	A; GY; P	Two zones 211.2-213.0 and 225.0-229.3 contains A; large irregular shaped MS fragments
249.2	10.0		SS	LGY	M-C	A; BK; OP; A; Sulphides	S	A; GY; BK; P	Abrupt contact with overlying F; SS.
249.9	0.7		MS	GYGN			N		Moenkopi Fm.
251.0	1.1		MS	RBR			N		

Drill log summary: 23.5 / 116.8 / = 94 %

Sample		Lab assay (%)			Sample		Lab assay (%)			Interval		γ-ray	γ-ray (%e) or		Field est	
Base	Thick	U_3O_8 *	V_2O_5/Cu	$CaCO_3$	Base	Thick	U_3O_8 *	V_2O_5/Cu	$CaCO_3$	Base	Thick	%e U_3O_8	Base	Thick	U_3O_8	V_2O_5
										Barren						
											Depth logged:					
											5.7 - 250.0					

*Assays marked "e" are from lab gamma-ray readings

GPO 835041

Hole No. CG-4

GEOLOGIC AND ASSAY LOGS

U.S. GEOLOGICAL SURVEY
COLORADO PLATEAU DISTRICT

Drill hole No. CG-5 ( )
Inclination VERTICAL Bearing
Total depth 273.5
Collar elev. T P
Area CLAY BUTTE

Map coord (T)
Map coord (P)
Sec. 14 T. 40 S R. 23 E
Co., State SAN JUAN UTAH

Claim
Date completed 11-9-55
Date logged 11-10-55
Logged by ESS

Rev. 11/17/55 wkh
Ed.

Summary of log SEMI-NAVAJOABLE ; OBSS from 205 to 271 thick 66 ; SS color LGY ; MS GY, GYN ; Cbn. S
262 271

Graphic log

DRILL LOG		LITHOLOGIC LOG										
Depth	Rec ft.	Base	Thick	Rec %	Rock	Color	Grain	Access. Min's.	Cbn	MS in SS	Remarks
203.5	9.8	203.5	203.5								Plug-bit — No Core
213.5	9.9	204.5	1.0		MS	GY			N		
223.5	9.1	233.5	29.0		SS	LGY	M/MF/C	ABK OP S SULPHDS	N	A WH INT	
233.5	2.0	240.5	7.0		MS	GY			N		
235.5	4.5	263.5	23.0								Plug bit-No Core; MS cuttings
240.5	22.5	267.9	4.4		SS	LGY	MF	S BK OP S SULPHDS	S	N	
263.5	9.7	271.0	3.1		SS	LGY	MC	S BK OP	S	A GY P	S; LARGE QUARTZ PEBBLES
273.5		272.8	1.8		MS	GYGN			N		MOENKOPI Fm.
		273.5	0.7		MS	RBR			N		
47.0	45.2										
45.2 / 47.0 = 96%											

Sample		Lab assay (%)			Sample		Lab assay (%)			Interval		γ-ray	γ-ray (%e) or Field est			
Base	Thick	U_3O_8 *	V_2O_5/Cu	$CaCO_3$	Base	Thick	U_3O_8 *	V_2O_5/Cu	$CaCO_3$	Base	Thick	%e U_3O_8	Base	Thick	U_3O_8	V_2O_5
										204.7						
										205.4	0.7	<0.010				
										240.4						
										241.2	0.8	<0.005				
											Depth logged: 0.8 - 272.0					

*Assays marked "e" are from lab gamma-ray readings

GPO 8350 41

Hole No. CG-5

GEOLOGIC AND ASSAY LOGS — COLORADO PLATEAU DISTRICT

Drill-hole No. CG-6 (A-2)
Inclination VERTICAL Bearing
Total depth 261.2
Collar elev. T P
Area CLAY GULCH

Map coord (T)
Map coord (P)
Sec. 12 T. 40S R 13E
Co., State SAN JUAN Co., UTAH

Claim
Date completed 11-12-55
Date logged 11-13-55
Logged by ESS

Rev. 11/17/55 WKA
Ed

Summary of log UNEVENTFUL; OBSS from 254 to 256 thick 2; SS color LGY; MS GYGN; Cbn. N

Graphic log: 0.0 PLUG BIT NO CORE 217. SAND 261.2

DRILL LOG Depth	Rec ft.	Base	Thick	Rec %	Rock	Color	Grain	Access. Min's.	Cbn	MS in SS	Remarks
217.2		217.2	217.2								PLUG BIT - NO CORE
222.2	4.2	237.3	20.1		MS/SS	R		S; MICA	N		
226.6	3.6	241.1	3.8		MS	LGY			N		
230.7	4.1 Fol	244.8	3.7		SS	LGY	F	S; BK; OP	N	A; GY; P	
234.0	3.3 Fos	254.7	9.9		MS/SS/SS	GY/LGY	VF	S; MICA; S; BK; OP	N	A; GY; P	
235.8	1.4	256.2	1.5		SS	LGY	F/M	S; BK; OP	N		
238.9	3.1 Fos	258.4	2.2		MS	GYGN			N		MOENKOPI FM.
244.8	5.5	261.2	2.8		MS	RBR			N		
253.9	9.1										
261.2	7.3										
44.0	40.4										
to 4 / 44.0 =	92%										

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Sample Base	Sample Thick	Lab assay (%) U_3O_8*	V_2O_5/Cu	$CaCO_3$	Sample Base	Sample Thick	Lab assay (%) U_3O_8*	V_2O_5/Cu	$CaCO_3$

Interval Base	Thick	γ-ray %e U_3O_8	γ-ray (%e) or Radon Base	Thick	$\%U_3O_8$	V_2O_5
239.3			254.8			
240.6	1.3	0.012	255.8	1.0	<0.005	
247.7						
248.9	1.2	<0.005		Depth logged:		
250.1	1.2	0.012		0.0 - 260.0		
252.4	2.3	<0.010				
252.8	0.4	<0.010				
254.0	1.2	<0.010				
254.8	0.8	<0.010				

*Assays marked "e" are from lab gamma-ray readings

GPO 8350 41

Hole No. CG-6

GEOLOGIC AND ASSAY LOGS

COLORADO PLATEAU DISTRICT

Drill-hole No. CC-1 (Bx)
Inclination VERTICAL Bearing
Total depth 204.0
Collar elev. 4962.5 T P
Area CLAY GULCH

Map coord (T)
Map coord (P)
Sec. 7 T. 40 S R. 14 E
Co., State SAN JUAN CO., UTAH

Claim
Date completed 11-23-55
Date logged 11-28-55
Logged by ESS

Rev 11/28/55 WKL
Ed

Summary of log ; OBSS from to thick ; SS color ; MS ; Cbn.

Graphic log

0.0
PLUG BIT - NO CORE
≈194.0
SAND
204.0

DRILL LOG		LITHOLOGIC LOG									
Depth	Rec ft.	Base	Thick	Rec %	Rock	Color	Grain	Access. Min's.	Cbn	MS in SS	Remarks
194.0		194.0	194.0								PLUG BIT - NO CORE
204.0	10.0	204.0	10.0		MS	RED			N		MOENKOPI FM
10.0	10.0										PLUGGED THROUGH CONTACT
10.0/10.0 =	100%										

Sample		Lab assay (%)			Sample		Lab assay (%)			Interval		γ-ray	γ-ray (%e) or Field est.			
Base	Thick	U_3O_8 *	V_2O_5/Cu	$CaCO_3$	Base	Thick	U_3O_8 *	V_2O_5/Cu	$CaCO_3$	Base	Thick	%e U_3O_8	Base	Thick	U_3O_8	V_2O_5
										105.7						
										106.5	0.8	<0.010				
										158.8						
										159.5	0.7	<0.005				
										174.8						
										175.4	0.6	<0.010				
											Depth logged: 5.0 - 204.0					

*Assays marked "e" are from lab gamma-ray readings

GPO 8350 41

Hole No. CC-1

GEOLOGIC AND ASSAY LOGS

U.S. GEOLOGICAL SURVEY
COLORADO PLATEAU DISTRICT

Drill-hole No. CG-8 (BX)
Inclination VERTICAL Bearing
Total depth 233.7
Collar elev. 4502.6 T P
Area CLAY GULCH

Map coord (T)
Map coord (P)
Sec. 12 T. 40 S R. 13 E
Co., State SAN JUAN CO., UTAH

Claim
Date completed 11-23-55
Date logged 11-28-55
Logged by

Rev 3/28/56 WRH
Ed

Summary of log UNFAVORABLE; OBSS from 232 to 233 thick 1.0; SS color LGY; MS GY; Cbn. N

Graphic log

0.0
PLUG BIT
No CORE
230.0 Base 233.7

DRILL LOG

Depth	Rec ft.
230.0	
233.7	1.5 RC
	TS
	TM

1.5/3.7 = 41%

LITHOLOGIC LOG

Base	Thick	Rec %	Rock	Color	Grain	Access. Min's.	Cbn	MS in SS	Remarks
230.0	230.0								PLUG BIT - NO CORE
232.3	2.3	4	MS						MS GROUND UP IN CORE BARREL
									SINGLE SMALL BUTTON RECOVERED
232.9	0.6		SS	LGY	M	SIDERITE	N	SLGY;Pe	
233.0	0.1		MS	GYGN			N		MOENKOPI FM.
233.7	0.7		MS	RBR			N		

Sample Base	Sample Thick	Lab assay (%) U_3O_8 *	V_2O_5/Cu	$CaCO_3$

Sample Base	Sample Thick	Lab assay (%) U_3O_8 *	V_2O_5/Cu	$CaCO_3$

Interval Base	Interval Thick	γ-ray %e U_3O_8
	Barren	
	Depth logged: 5.8 - 233.7	

γ-ray (%e) or Field est. Base	Thick	U_3O_8	V_2O_5

*Assays marked "e" are from lab gamma-ray readings

GPO 8350 41

Hole No. CG-8

GEOLOGIC AND ASSAY LOGS

U.S. GEOLOGICAL SURVEY
COLORADO PLATEAU DISTRICT

Drill hole No. CG-9 (CRY)
Inclination VERTICAL Bearing
Total depth 174.5
Collar elev. T 4369.0 P
Area CLAY GULCH

Map coord (T)
Map coord (P)
Sec. 7 T. 40 S. R. 17 E
Co., State SAN JUAN Co., UTAH

Claim
Date completed 11-26-55
Date logged 11-28-55
Logged by ESS

Rev 11/28/55 WRk
Ed

Summary of log UNFAVORABLE ; OBSS from ABSENT to thick ; SS color ; MS ; Cbn.

DRILL LOG	
Depth	Rec ft.
130.0	
	5.0
140.0	
	8.2 Rcl
150.0	
	7.3
158.0	
	3.6 Trm
164.5	
	9.7
174.5	
44.5	33.8
33.8 / 44.5 =	76%

LITHOLOGIC LOG

Base	Thick	Rec %	Rock	Color	Grain	Access. Min's.	Cbn	MS in SS	Remarks
130.0	130.0								PLUG BIT - NO CORE
150.0	20.0	66	MS	Pu & Gy // R			N		VARIEGATED MS
164.5	14.5	75	MS // ST	Gy Gr			N		S; PO MOT.
169.3	4.8		MS // ST	R // Pu // Gy			N		
174.5	5.2		MS	R Br			N		S; GYGN MOT AT TOP - MOENKOPI FM

Graphic log: 0.0 — PLUG BIT — NO CORE — 130.0 — SAVE — 174.5

Sample		Lab assay (%)			Sample		Lab assay (%)			Interval		γ-ray	γ-ray (%e) or Field est			
Base	Thick	U_3O_8*	V_2O_5/Cu	$CaCO_3$	Base	Thick	U_3O_8*	V_2O_5/Cu	$CaCO_3$	Base	Thick	%e U_3O_8	Base	Thick	U_3O_8	V_2O_5
										Barren Depth logged: 0.0 - 173.3						

*Assays marked "e" are from lab gamma-ray readings

GPO 835041

Hole No. CG-9

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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1969

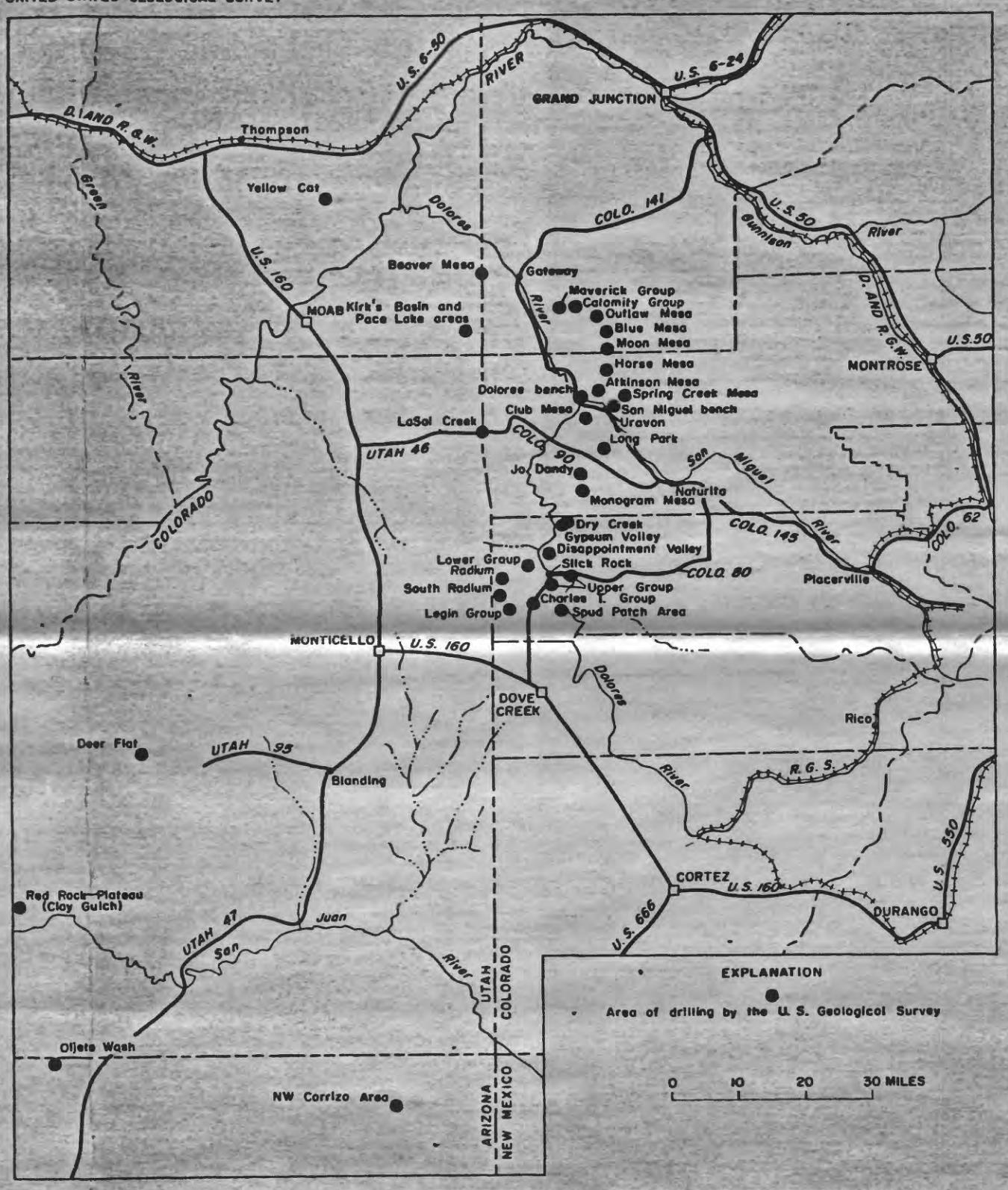


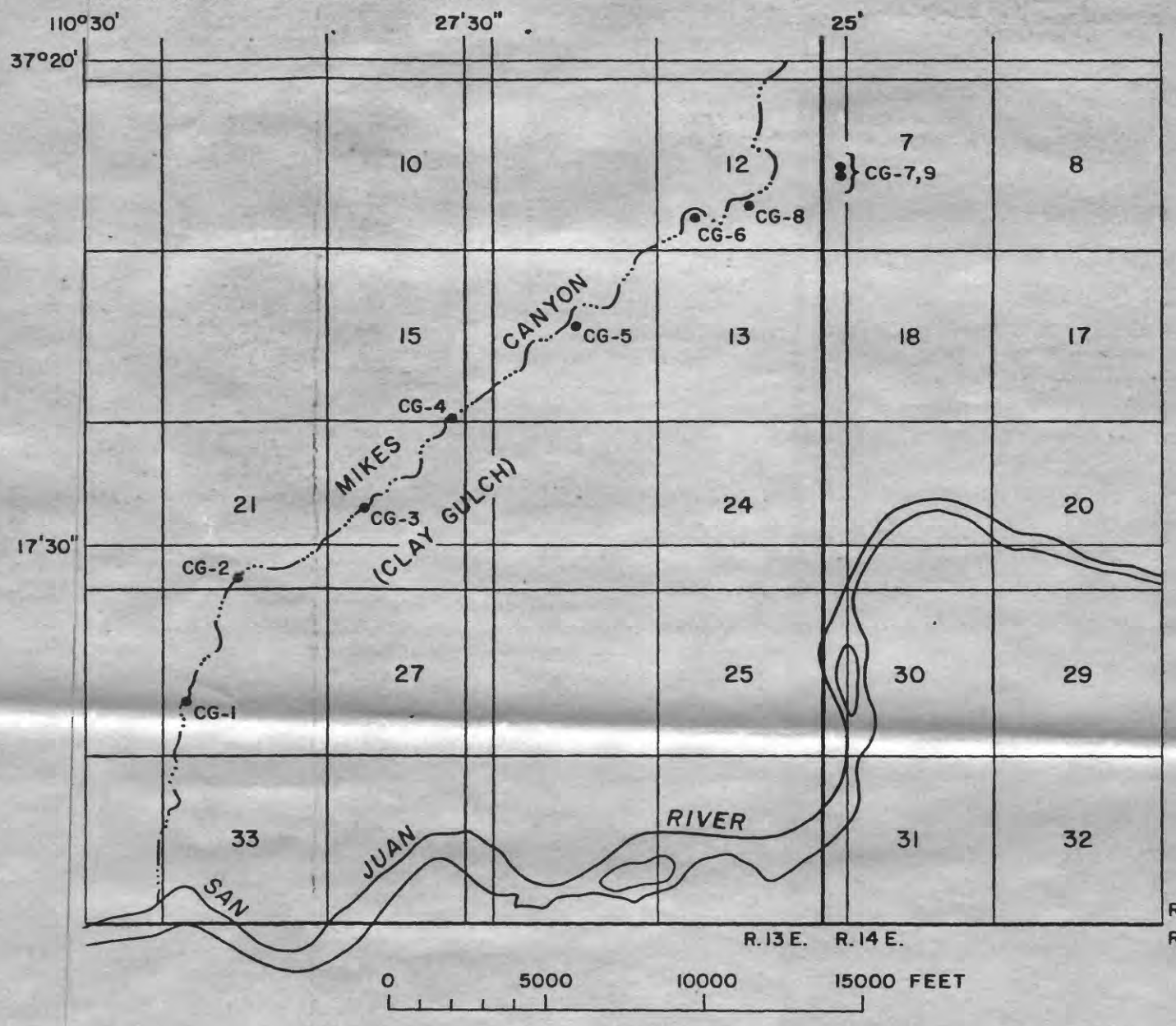
Figure 1.--MAP OF PART OF THE COLORADO PLATEAU, SHOWING THE AREAS OF DRILLING, NOVEMBER 1947-APRIL 1956

(200)
R29r
no.1329

69-302

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE
1969



Note: For description of geology of area, see Mullens, T. E., 1960, Geology of the Clay Hills area, San Juan County, Utah: U. S. Geol. Survey Bull. 1087-H, p. 259-336.
Hole 9 is a redrill of hole 7.

FIGURE 2.--MAP SHOWING LOCATIONS OF HOLES DRILLED IN 1955 BY U. S. GEOLOGICAL SURVEY, CLAY GULCH AREA, SAN JUAN COUNTY, UTAH