

OPEN FILE

CR1969-0024

CONTENTS

	Sect.
Completion Report- P.A. 2160 Brunette (Period: August 14, 1967 – December 8, 1969)	1
Drill Logs: B1 – B12	1

LIST OF FIGURES

Figure 1	Lithofacies Map- % Clastic Bottom of Regolith to Hole Depth	1
Figure 2	Structure Map- Top of Phosphate Unit	1
Figure 3	Structure Map- Depth to Top of Phosphate Unit	1

LIST OF PLATES

Plate 1	Geological Map of P.A. 2160 Brunette Showing Drill Hole Locations to (9 DEC, 1969)	1
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IMC DEVELOPMENT CORPORATION

COMPLETION REPORT - P.A. 2160 (BRUNETTE)
(Period: August 14, 1967-December 8, 1969)

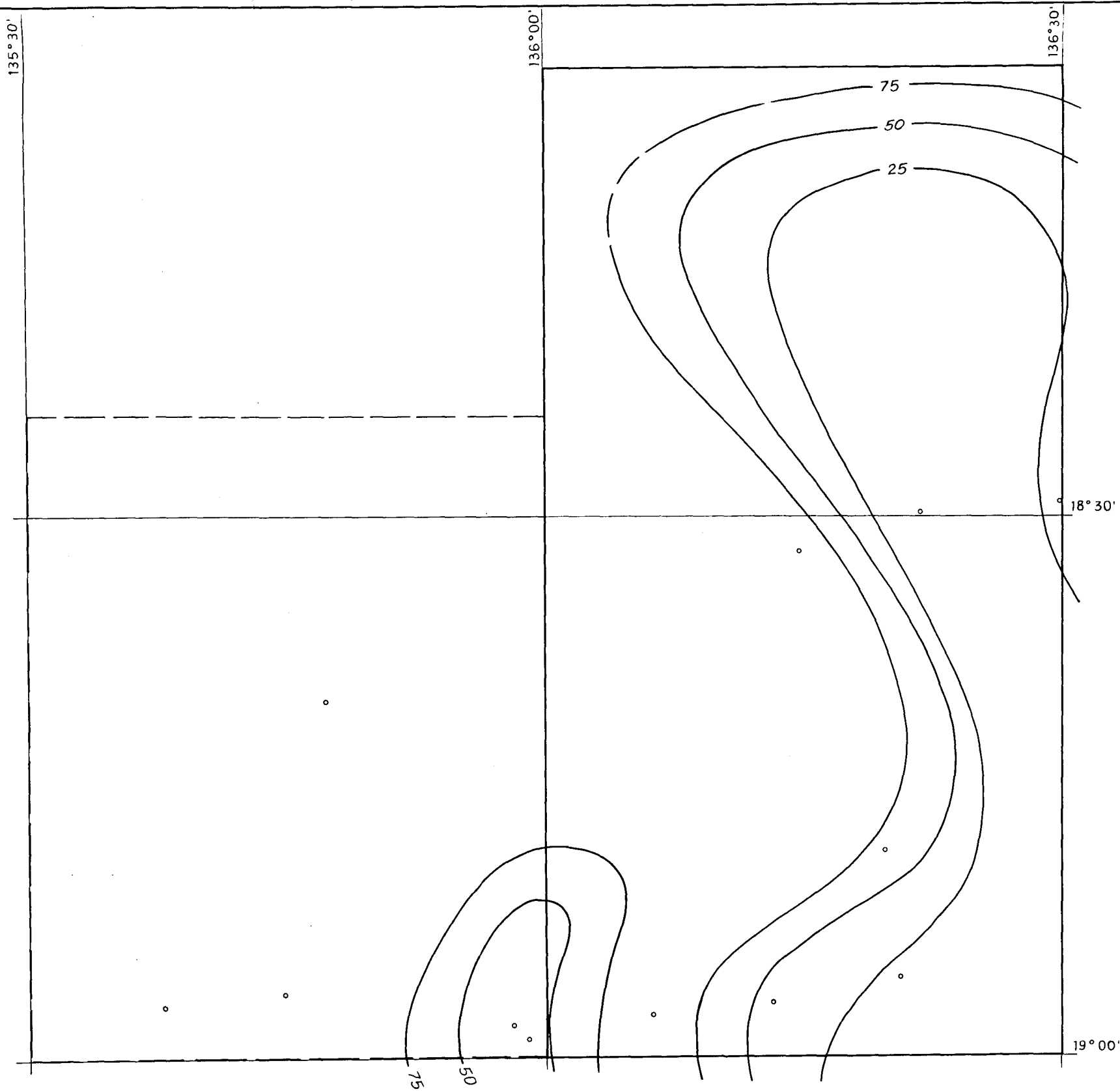
The attached map (Plate I) shows the location of 12 holes drilled on Prospecting Authority 2160 during the period of tenure. Also attached are drill log sheets of these holes showing lithologic data, assay results and gamma logs.

Interpretation of the above data is presented in the report "Progress Report on Prospecting Authorities 1766, 1897, 2159, 2160, 2161 in the Alexandria Region", by F.A. Perrino, written in April, 1969, and forwarded to the Department on July 16, 1969.

A "Progress Report on Prospecting Authorities 1766, 1897, 2159, 2160, 2161 and 2199 in the Alexandria Region" was written in March, 1970, and will be forwarded to the Department in due course. This report contains comprehensive data including a lithofacies map and two structure maps of the Region, and those portions pertinent to Prospecting Authority 2160 are here presented as Figures 1, 2 and 3.

PWP: jmj

CR 69/24



- LEGEND
- Present P.A. Boundary
 - - Previous Boundary
 - o IMC Drill hole
 - 25 % Clastic

IMC DEVELOPMENT CORP., (AUSTRALIA)

**LITHOFACIES MAP - % CLASTIC
BOTTOM OF REGOLITH TO
HOLE DEPTH
PA 2160 BRUNETTE**

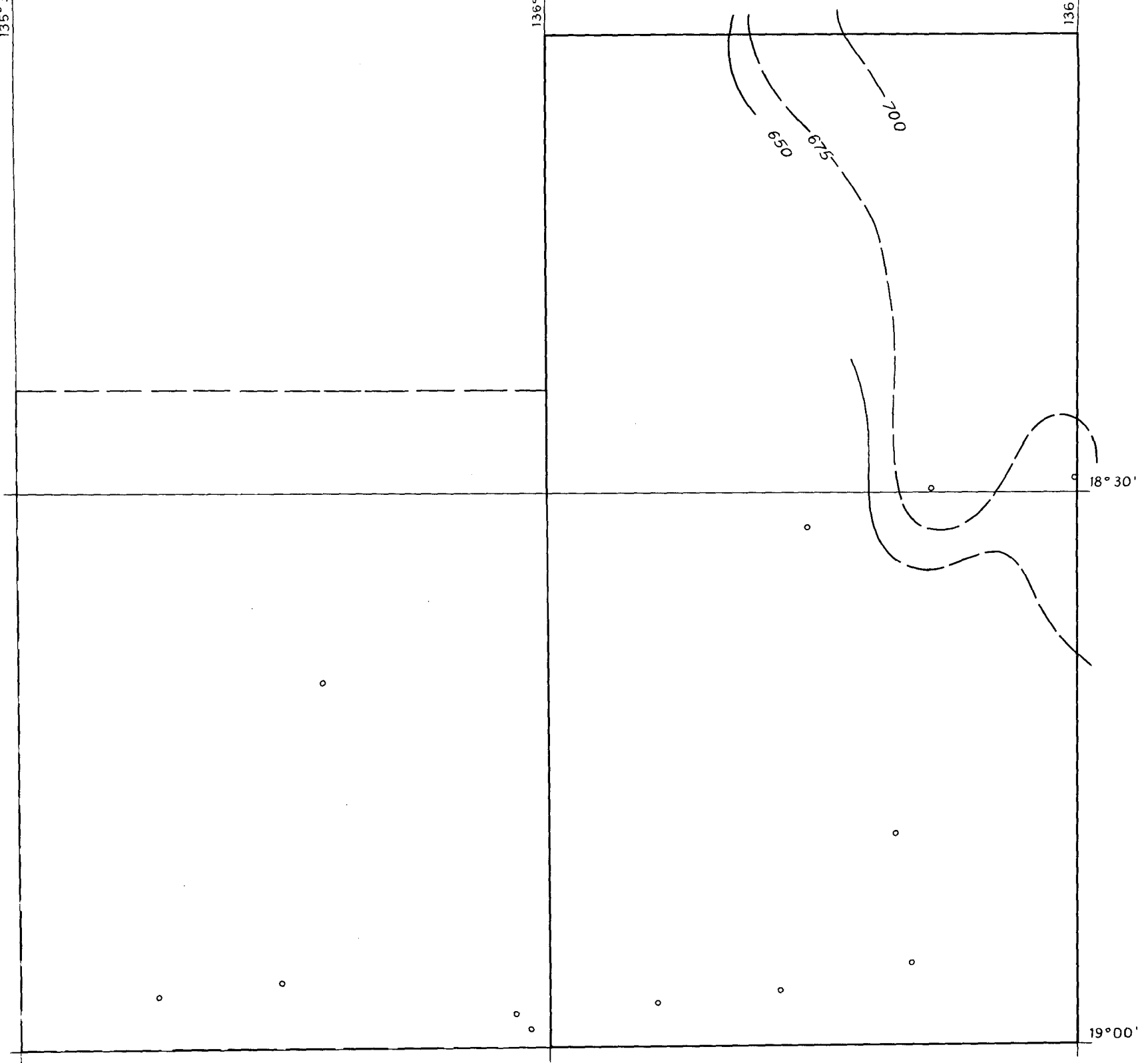
FIG.1

SCALE 1:500,000

135° 30'

136° 00'

136° 30'



LEGEND

- Present P.A. Boundary
- - Previous Boundary
- o IMC Drill hole
- Reduced Level
- 700 Top of Phosphatic Unit

IMC DEVELOPMENT CORP.(AUSTRALIA)

**STRUCTURE MAP
TOP OF PHOSPHATIC UNIT
PA 2160 BRUNETTE**

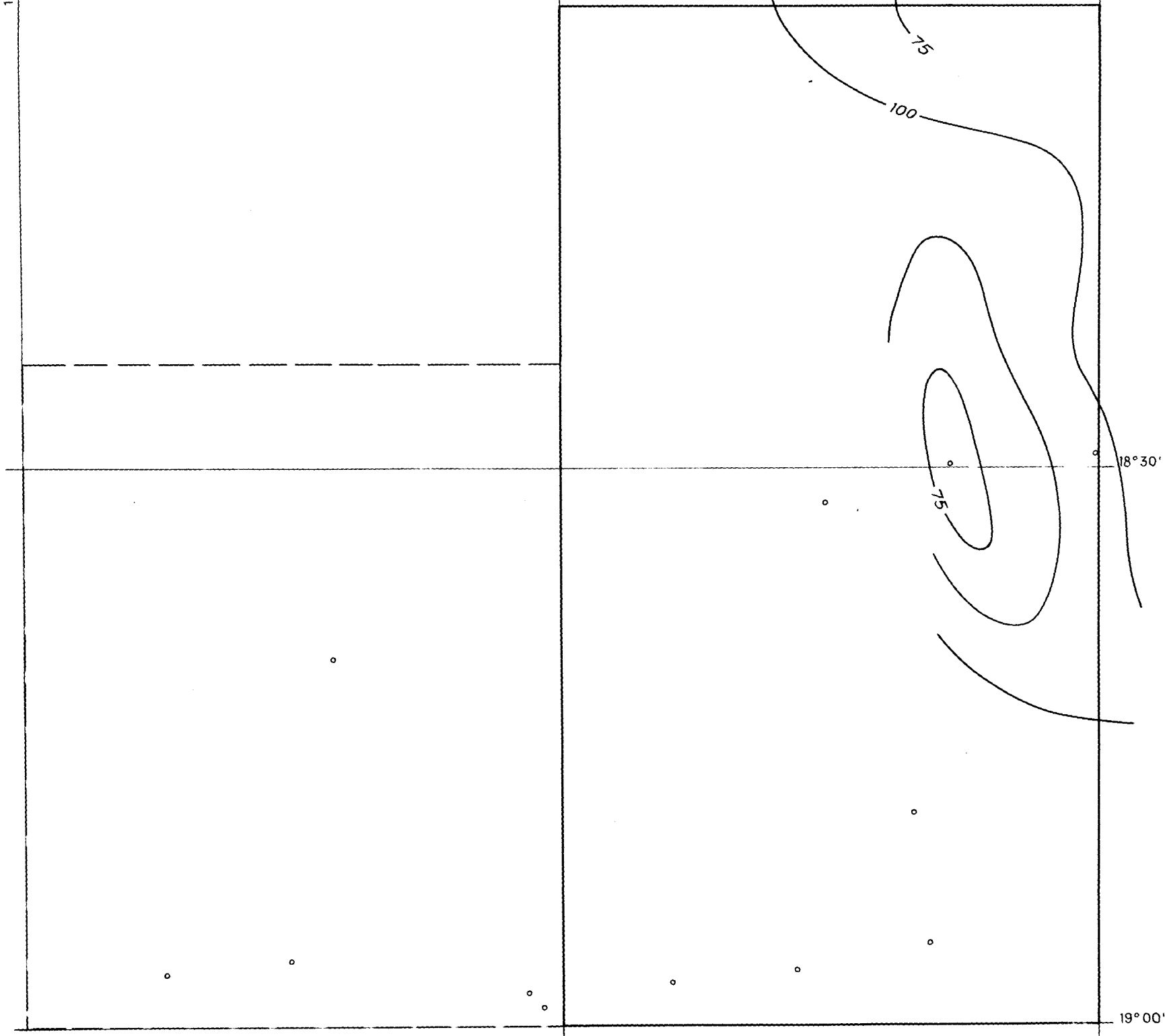
FIG. 2
SCALE 1:500,000

March 1970
A.J.

135°30'

136°00'

136°30'



LEGEND

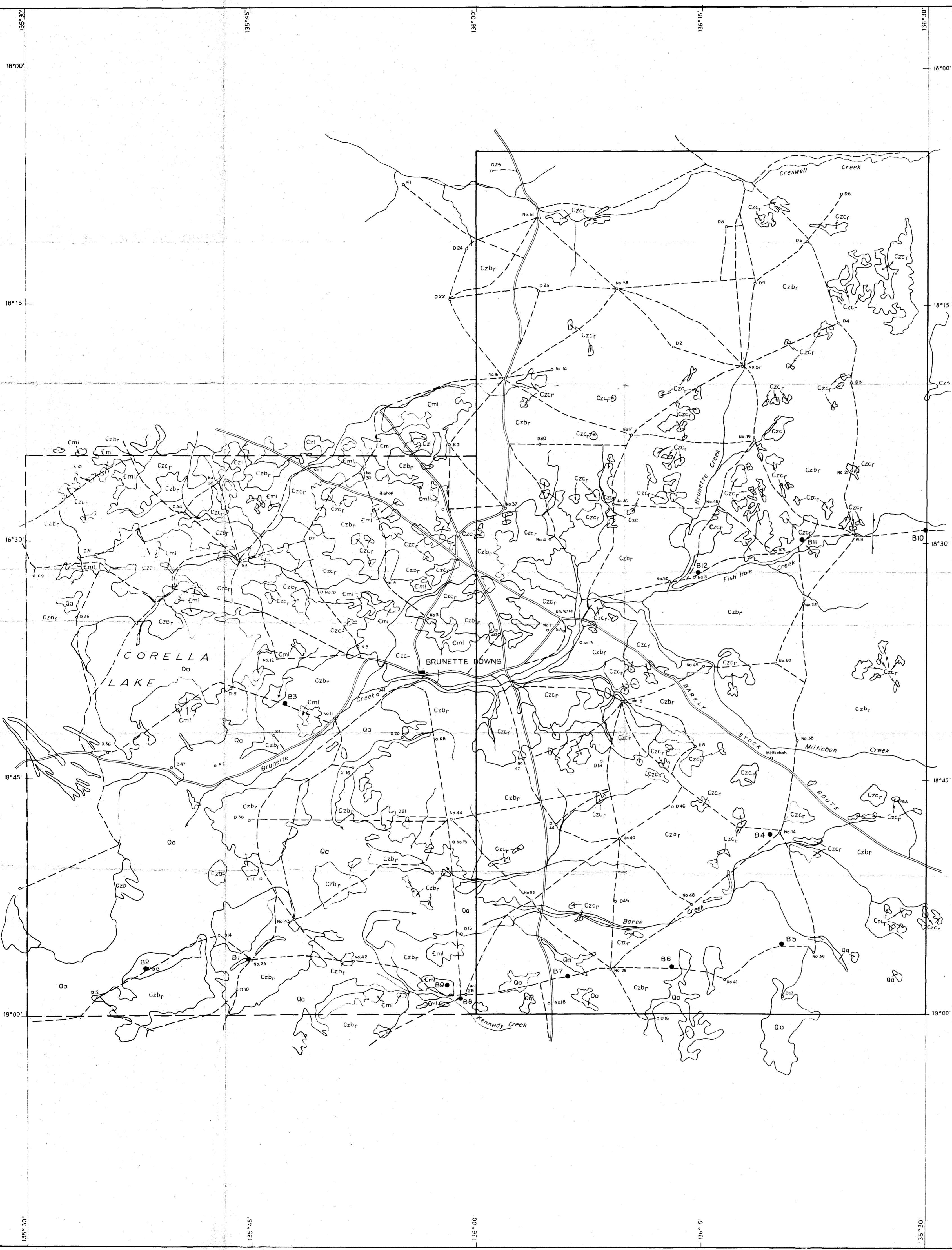
- Present P. A. Boundary
- - - Previous Boundary
- o IMC Drillhole
- 75 Depth in feet

IMC DEVELOPMENT CORP., (AUSTRALIA)

**STRUCTURE MAP
DEPTH TO
TOP OF PHOSPHATIC UNIT
PA 2160 BRUNETTE**

FIG. 3

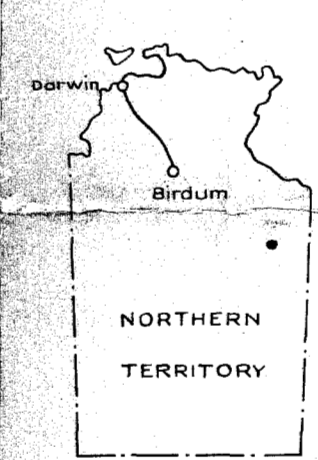
SCALE 1:500,000



LEGEND

QUATERNARY	Qa	Alluvium, principally stream channels, lokes, swamps
	Qs	Alluvium, sand, sandy soil
	Cza	Alluvium, undifferentiated, soil
	Czs	Alluvium, undifferentiated, sand, sandy soil
	Czt	Travertine
	Czl	Laterite, ferruginous sand, silt
	Czb	Black soil, undifferentiated
	Czbr	Black soil, residual over Cambrian carbonate sequence
	Czcr	Chert rubble, residual patches in Czbr, above
	CAINOZOIC	
MESOZOIC	BRUNETTE LIMESTONE	Tb
	UNDIFFERENTIATED	M
	WONARAH BEDS	Cmw
PALAEOZOIC	BURTON BEDS	Cmb
	MIDDLE CAMBRIAN	
	ANTHONY LAGOON BEDS	Cml
	PEAKER PIKER VOLCANICS	Cmp
	UNDIFFERENTIATED	Cmz
PRE-CAMBRIAN	UNDIFFERENTIATED	Ec

LOCALITY MAP



- Anticlinal axis
- Fault
- Road
- Vehicle track
- IMC track
- Fence

- Water bore
- IMC Drill hole

Geology: Based on field reconnaissance by IMC geologists supplemented by existing B.M.R. mapping

Compilation: Photo-interpretation on uncontrolled photo-mosaics at 1" = 1 mile

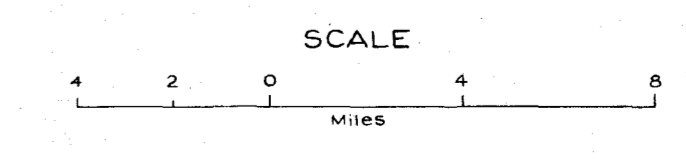
Topographic base: By Dept. of National Mapping

BRUNETTE DOWNS ■ Homestead

PLATE I

IMC DEVELOPMENT CORP. (AUSTRALIA)

GEOLOGICAL MAP OF PA2160 BRUNETTE SHOWING DRILL HOLE LOCATIONS TO 9 DEC. 1969



DRILL LOG

DRILLHOLE No. *B1*

LOCATION *BRUNETTE*

T.D. *155'*

Date Started *29-10-67*

Co-ordinates

Elevation

Date Completed *29-10-67*

1: 250,000 SHEET

(NAME & NUMBER) *BRUNETTE SE53-11*

Sheet *...* of *...*

Hours Drilled

AGE	ROCK UNIT	DEPTH	LITHOLOGY - %					DESCRIPTION	CORE	CUTTINGS	AMO ₄ TEST				ASSAY		GAMMA LOG				
			Lithologic Log	G/Sum	Silt/Clay	Qtz/Sand	Chert				Carbonate	Colour	Trace	Low	Medium	High		Colour	CaCO ₃ Sample	SQ	Q
0																					
10		<i>76"</i>	tr					<i>Soil - clay</i>	DK Br												
			5 95						Red Br												
			5 90	5					Gr Br												
			10 90						"												
			5 95						Gray												
			20 80						Lt Gr												
			40 60						"												
			70 30						Gr Wh												
			40 60						Wh												
			30 70						Pale Y												
		<i>20'</i>	20 75	5					White												
			95 5	5					Cream												
			100						Lt Br												
			95 5	5					Wh.												
			100						Lt Br												
			70 30						Wh												
			95 15						Lt Br												
			95 5						Wh												
			100						Lt Br												
			90 10						"												
			95 5						Cream												
			70 30						Lt Br												
			100						"												
			100						Lt Y												
			100						Pale Y												
			100						Lt Tan												
			100						Lt Br												
			100						"												
			100						Lt Y Br												
			100						"												
			95 5	5					Pale Y												
			90 10						"												
			90 10						"												
			90 10						"												
			85 15						"												
			90 20						"												
			85 15						"												
			95 5						Lt Br												
			95 5						"												
			100						Pale Y												
			100						Lt Gray												
		<i>105'</i>	100						"												
			100						"												
		<i>115'</i>	100						Y Br												
			100						"												
			100						"												
			100						Appl. Wh.												
		<i>123'6"</i>	100						"												
			40 60						"												
		<i>128'</i>	100						"												
			60 40						Y Br												
			60 35 5	5					Br Perp												
			90 5 5	5					"												
			20 75 5	5					Y Br												
			90 10						"												
			90 10						"												
			90 10						Purp Br												
			85 15						Lt Br												
			90 20						Br Perp												
		<i>155'</i>	75 25	25					"												
			100						"												
		<i>TD</i>																			

AMO₄ Test : *AMC*

VMO₄, SQ :

Additional data : *8* Logged by *DHR* 29-10-67

Date : *29-10-67*

Date :

Comp *DHR*

DRILL LOG

DRILLHOLE No. <i>EZ</i>	LOCATION <i>BRUNETTE</i>	T.D. <i>122'6"</i>
Date Started <i>29-10-67</i>	Co-ordinates	Elevation
Date Completed <i>29-10-67</i>	1: 250,000 SHEET	Sheet <i>1</i> of <i>1</i>
Hours Drilled	(NAME & NUMBER) <i>BRUNFITE 5E53-11</i>	

AGE	ROCK UNIT	DEPTH	LITHOLOGY-%					DESCRIPTION	CORE	CUTTINGS				AMO ₄ TEST			ASSAY		GAMMA LOG TIME CONST. <i>A</i> SENSITIVITY <i>8:0</i>
			Lithologic Log	Gypsum	Silt/Clay	qtz/Sand	Chert			Carbonate	Colour	Size	Shape	Colour	Colour	SQ	Q	P ₂ O ₅ %	
		0		100				Soil clay	Gray										
		7'6"		100				Clay	"										
		10		Fr 100					"										
		20		5 95				Very calcareous siltstone	"										
		20'		10 90					"										
		35'		20 80					4 Gray										
		40'		10 90	5				Y Gr										
				95	5				Pale Y										
				95	5				Cream										
				99	1				"										
				100					lt Br										
				100					Orange										
				100					"										
				100				Quartz Sandstone	lt Br										
				100					Cream										
				95	5				lt Br										
				90 10				Siltstone with minor chert and sand	Red										
				95 5					Red Br										
				90	10				Red										
				100					Y Br										
				100					Red Br										
				99	1				"										
				100					"										
				100					Purple										
				100					"										
				85 15				Quartz sandstone	DK Purp										
				100					Pale P										
				100					Pink										
				100					"										
				100					Purp										
				100					DK Purp										
				95 5					Purple										
				20 80					Pale P										
				98 2					"										
				100					Y Br										
				100					"										
				60 40					Br										
				95 5					lt Br										
				100					"										
				100					Purple										
				100					DK Purp										
				100					"										
				100					"										
				85 10 5					"										

AMO₄ Test : *AMC* VMO₄, SQ :
 Date : *29-10-67* Date :
 Additional data : *γ* Logged by *DHR* *29-10-67*
 Comp *DHR*

DRILL LOG

DRILLHOLE No. B3	LOCATION BRUNETTE	T.D. 102' 6"
Date Started 30-10-67	Co-ordinates	Elevation
Date Completed 30-10-67	1: 250,000 SHEET	Sheet 1 of 1
Hours Drilled	(NAME & NUMBER) BRUNETTE SF53-11	

AGE	ROCK UNIT	DEPTH	LITHOLOGY - %				DESCRIPTION	CORE		CUTTINGS				AMO ₄ TEST		ASSAY		GAMMA LOG TIME CONST. A SENSITIVITY 2.0
			Lithologic Log	Silt/Clay	Qtz/Sand	Chert		Carbonate	Colour	Size	High	Medium	Low	Colour	CaCO ₃ %	SQ	Q	
		0					Soil	Gray										
		10					Calcareous siltst. and chert	Y Gr										
		20						P Yell										
		30						Lt Br										
		40					Very fine grained sandstone with some harder bands and thin siltstone beds	Lt Y										
		50						Wh										
		60						Lt Br										
		70					Harder bands of sandstone	Wh										
		80					Interbedded siltstone and silt with minor chert * and dolomitic limestone at the base	Y Br										
		90						Lt Br										
		100						Pale Y										
		102' 6"					TD											
		110					Full out because of bad caving											
		120																
		130																
		140																
		150																
		160																

AMO₄ Test : **AMC** VMO₄, SQ :
 Date : **30-10-67** Date :
 Additional data : 8 Logged SL. by DHR 30-10-67
 * Note caving briefly
 Comp DHR

DRILL LOG

DRILLHOLE No. B4	LOCATION 0.3ml SW R14 (Cross West)	T.D. 90'
Date Started 25-6-68	Co-ordinates	Elevation
Date Completed 25-6-68	1: 250,000 SHEET	Sheet 1 of 1
Hours Drilled 3	(NAME & NUMBER) BRUNETTE DOWNS	

AGE	ROCK UNIT	DEPTH	LITHOLOGY - %					DESCRIPTION	CORE	CUTTINGS	AMO4 TEST			ASSAY		Sect. & GAMMA LOG	
			Lithologic Log	Gypsum	Silt/Clay	Chert	Carbonate				Colour	Trace	Medium	High	Colour		COCO Sample
TERTIARY	Brunette Limestone	0-5'						Clay, sandy & gypsum chert pebbles.	Lt Br								
		5-10'						Dolomitic limestone, lustrous, white, brown	Lt Br								
		10-22"															
		22-27"						Sandstone white to sub-rounded well-sorted.									
		27-35'						Siltstone, sandy	Br								
		35-40'						Sandstone, white, well sorted sub angular to sub med. (possibly silicified limestone?)	Lt Br								
		40-57"															
		57-67"						Siltstone, sandy ferruginous & chert	Lt Br Rd Br Chert								
		67-80'						Siltstone & chert	Lt Br Br								
		80-90'						Calcareous, white granular chert, sil.	Lt Br Cream White								
		T.D.															
HOLE ABANDONED! EXCESSIVE CAVING																	

AMO ₄ Test: FP	VMO ₄ , SQ:	Additional data:
Date: 25-6-68	Date:	

DRILL LOG

DRILLHOLE No. <u>65</u>	LOCATION <u>2m W # 39 Pole</u>	T.D. <u>155'</u>
Date Started <u>25-6-68</u>	Co-ordinates	Elevation
Date Completed <u>26-6-68</u>	1:250,000 SHEET <u>BRUNETTE DOWNS</u>	Sheet <u>1</u> of <u>2</u>
Hours Drilled		

AGE	ROCK UNIT	DEPTH	LITHOLOGY - %					DESCRIPTION	CORE	CUTTINGS				AMO ₄ TEST		ASSAY		SQUID LOG TIME CONST. / SENSITIVITY	
			Lithologic Log	Gypsum	Silt/Clay	Qtz/Sand	Chert			Carbonate	Colour	Trace	Low	Medium	High	Colour	CaCO ₃ Sample		SQ
TERTIARY	C2	0 - 12 1/2						Clay, sandy - rounded qtz grains to 60%	Dk Br										
		12 1/2 - 22 1/2	G ₂	60	40				Clay, gypsum	Br									
		22 1/2 - 35	G ₂	30	70				Gypsum, minor clay	Lt Br									
		35 - 47 1/2	G ₂	50	50					Cream									
		47 1/2 - 60	G ₂	80	20				Clay, siltstone, minor gypsum										
		60 - 75	G ₂	80	20														
		75 - 80	G ₂	80	20														
		80 - 90	G ₂	20	80				Dolarenite, dolomitic limestone & chert, siltstone minor sandstone at base										
		90 - 100	G ₂	5	95														
		100 - 110	G ₂	100															
CAMPBELL	C1	110 - 120																	
		120 - 125																	
		125 - 130																	
		130 - 140																	
		140 - 152 1/2																	
		152 1/2 - 160																	
		160 - 170																	
		170 - 180																	
		180 - 190																	
		190 - 200																	
		200 - 210																	
		210 - 220																	
		220 - 230																	
		230 - 240																	
		240 - 250																	

AMO₄ Test : FP VMO₄, SQ : _____ Additional data : _____
 Date : 25/26-6-68 Date : _____

DRILL LOG

DRILLHOLE No. B5	LOCATION 2m W #39 Plat	T.D. 185'
Date Started 25-6-68	Co-ordinates	Elevation
Date Completed 26-6-68	1: 250,000 SHEET	Sheet 2 of 2
Hours Drilled 9 1/4	(NAME & NUMBER) BRUNETTE DOWNS	

AGE	ROCK UNIT	DEPTH	LITHOLOGY-%				DESCRIPTION	CORE	CUTTINGS					AMO ₄ TEST		ASSAY		GAMMA LOG	
			Lithologic Log	Silt/Clay	Qtz/Sand	Chert			Carbonate	Colour	Nil	Trace	Low	Medium	High	Colour	CaCO ₃ sample	SQ	Q
CAMBRIAN		160	T	30	70	Calcareous dolarenite + chert, minor silt.	Cream						L						
		165	T	20	80		"						M						
		170	T	30	70		"						H						
		175	T	5	20		75	Cream						M					
		180	T	25	75		"	"						"					
		185	T	15	85		"	"						"					
		185'																	
		T.D.				HOLE TERMINATED; HARD DRILLING IN CARBONATES.													
		200																	
		60																	
		80																	
		100																	
		20																	
		40																	
		60																	

AMO ₄ Test : FP	VMO ₄ , SQ :	Additional data :
Date : 25/26-6-68	Date :	

DRILL LOG

DRILLHOLE No. BG	LOCATION 3.2 m W #41 Bore	TD. 100'
Date Started 26-6-68	Co-ordinates	Elevation
Date Completed 26-6-68	1: 250,000 SHEET	Sheet 1 of 1
Hours Drilled 4 3/4	(NAME & NUMBER) BRUNETTE DOWNS	

AGE	ROCK UNIT	DEPTH	LITHOLOGY - %				DESCRIPTION	CORE	CUTTINGS	AMO ₄ TEST			ASSAY		SUITCASE GAMMA LOG				
			Lithologic Log	Silt/Clay	Qtz/Sand	Chert				Carbonate	Colour	NI	TRAC	LOW	MEDIUM	HIGH	COLOUR	CaCO ₃	SURFACE
C ₂ TERTIARY	Brunette limestone	0					Clay, sandy	DLB											
		5'		25	15	T	60	Dolomitic limestone, ± chalky and sandy siltstone, and sandstone	white										
				10	5		85												
				10			90												
				15	5		70												
				20	15		60												
				20	10		70												
				25	15		60												
				30	15		70												
				35	15		70												
				40	15		45												
				45	20	30	T	50											
				50	10		30												
				52 1/2'	5	50		45											
				55'	T	80	T	20	Sandstone										
		57 1/2'	90	T	10														
		60'	90	T	10														
		62 1/2'	90	T	10														
		65'	5	85	T	10													
		67 1/2'	85		15														
		70'	95		5														
		72 1/2'	60	35	5		Siltstone, sandy fg ± free of qtz grains.												
		75'	50	40	10		Sandstone												
		77 1/2'	95		5														
		80'	100																
		82 1/2'	90	10															
		85'	90	10															
		87 1/2'	100	T															
		90'	10	80	10		Chert, siltstone	Cream Br											
		92 1/2'	5	95	T														
		95'	25	55	20														
		97 1/2'	10	20	70														
		100'	25	5	70		Siltstone, chert, minor sand												
		102 1/2'	30	5	65														
		105'	60	15	25														
		107 1/2'	60	15	25														
		110'	65	5	25	5													
		112 1/2'	45	5	45	5													
		115'	50	5	30	15	Dolomitic limestone minor dolarenite	hfr											
		117 1/2'	5	5	90														
		120'																	
		125'																	
		130'																	
		135'																	
		140'																	
		145'																	
		150'																	
		155'																	
		160'																	

HOLE TERMINATED:
ENCOUNTERED HARD
MIGLY-VE CARBON-
ATES.

AMO ₄ Test: F.P.	VMO ₄ , SQ:	Additional data:
Date: 26-6-68	Date:	

DRILL LOG

DRILLHOLE No. B7	LOCATION 3 mi. W. Bore # 29	T.D. 120'
Date Started 26-6-68	Co-ordinates	Elevation
Date Completed 27-6-68	1: 250,000 SHEET	Sheet...1 of...1...
Hours Drilled	(NAME & NUMBER) BRUNETTE DOWNS	

AGE	ROCK UNIT	DEPTH	LITHOLOGY - %				DESCRIPTION	CORE	CUTTINGS					AMO4 TEST		ASSAY		SUITCASE GAMMA LOG		
			Lithologic Log	Silt/Clay	Qtz/Sand	Chert			Carbonate	Colour	Nil	Trace	Low	Medium	High	Colour	CaCO3 Sample	SQ	Q	P2O5 %
Cz		0																		
		5					Clay, sandy, minor chert, gypsum	Dr. Br												
		10					Siltstone, sandy, minor limestone, clay	Br Lt Br					L							
		17"																		
		20					Sandstone	Br												
		25						Lt Br Cream Lt Br												
		35					Siltstone, 20% ferrug.													
		40					Sandstone, mainly white, some ferrug.	Cream White												
		50						Lt Br Br Rd Br												
		60					Siltstone, ferruginous, minor sandstone	Lt Br Rd Br Cream												
		75					Sandstone, minor siltstone	Lt Br Cream												
		80					Siltstone & chert, minor sandstone	White Br Lt Br Br Lt Br												
		107"																		
		120'					Calcareous, dolomitic limestone	Lt Br												
		T.D.																		

HOLE ABANDONED:
EXCESSIVE CHYMIN.

AMO4 Test : **FP**
Date : **26/27-6-68**

VMO4, SQ :
Date :

Additional data :

DRILL LOG

DRILLHOLE No. <i>RS</i>	LOCATION <i>0.2 mi. S Bore # 28</i> <i>on fence line</i>	T.D. <i>15'</i>
Date Started <i>27-6-68</i>	Co-ordinates	Elevation
Date Completed <i>27-6-68</i>	1: 250,000 SHEET (NAME & NUMBER) <i>BRUNETTE DOWNS</i>	Sheet <i>1</i> of <i>1</i>
Hours Drilled <i>3/4</i>		

AGE	ROCK UNIT	DEPTH	Lithologic Log	LITHOLOGY - %				DESCRIPTION	CORE	CUTTINGS					AMO4 TEST					ASSAY		GAMMA LOG																	
				Silt/Clay	qz/Sand	Chert	Carbonate			Colour	Trace	Low	Medium	High	Colour	CaCO3	Sample	SQ	Q	P2O5 %	TIME CONST.	SENSITIVITY																	
0																																							
		<i>5'</i>						<i>Clay, gypsum 25%</i>	<i>Dk. Br</i>																														
		<i>10'</i>		<i>30</i>	<i>70</i>	<i>T</i>		<i>Sandstone, fs angular to sub rounded</i>	<i>White</i>																														
		<i>15'</i> <i>T.O.</i>		<i>7</i>	<i>100</i>	<i>T</i>																																	
		<i>20'</i>		<i>7</i>	<i>100</i>	<i>T</i>																																	
								<i>HOLE TERMINATED:</i>																															
								<i>RE-SITED AS PER</i>																															
								<i>B9; J.R.)</i>																															

AMO4 Test : <i>F.P.</i>	VMO4, SQ :	Additional data :
Date : <i>27-6-68</i>	Date :	

DRILL LOG

DRILLHOLE No. B9	LOCATION 1 MI. W. BORE #28	T.D. 110
Date Started 27-6-68	Co-ordinates	Elevation
Date Completed 27-6-68	1: 250,000 SHEET	Sheet 1 of 1
Hours Drilled	(NAME & NUMBER) BRUNETTE Downs	

AGE	ROCK UNIT	DEPTH	LITHOLOGY-%				DESCRIPTION	CORE	CUTTINGS					AMO ₄ TEST			ASSAY		SUITCASE GAMMA LOG			
			Lithologic Log	Silt/Clay	Qtz/Sand	Chert			Carbonate	Colour	NI	TOSS	LOW	MEDIUM	HIGH	Colour	CO ₂	SUM		SQ	Q	P ₂ O ₅ %
0				5	T	95	Limestone & minor chert & siltstone towards base, some quartz sand	Lt Br														
				5	T	95		Cream														
10				5	T	95		"														
				5	5	90		"														
				5	7	5		90	"													
				5	7	7		95	"													
				5	10	10		75	"													
20				5	5	30		60	Lt Br													
				5	5	10		80	Br													
				20	5	25		50	"													
				5		15	80	"														
				40		10	50	Cream														
30				40	T	15	50	Br														
				50	5	10	35	"														
				50	5	10	35	"														
40				50	5	5	40	"														
42 1/2				30	50	5	15	Lt Br														
				80	15	7	5	Br														
				95	5	7	7	Rd Br														
				90	10		T	"														
				95	5		T	Br														
				100	7		T	"														
60				90	5	5	T	"														
				80	5	10	5	"														
				85	5	5	5	Dr Br														
				95	T		5	"														
				100	T		T	"														
				95		5		"														
				100	5		T	"														
				95			T	"														
80				50		20		"														
				82 1/2		10	T	Br														
				20		15	65	Cream														
				20	T	10	70	"														
90				25		15	60	"														
				40	25	10	25	Lt Br														
				60	5	5	30	"														
				50	5	5	40	Br														
97 1/2				30	5	5	60	Lt Br														
				20	5	5	70	"														
				15	5	T	60	"														
100				10		5	85	"														
				5	T	5	90	"														
				TD																		

HOLE ABANDONED:
CAVING, CAVITIES.

AMO ₄ Test : FP	VMO ₄ , SQ :	Additional data :
Date : 27-6-68	Date :	

DRILL LOG *pn 2160*

DRILLHOLE No. <i>P10</i>	LOCATION <i>5.3 mi. E. of Wil.</i>	T.D. <i>200'</i>
Date Started <i>7-10-68</i>	Co-ordinates	Elevation
Date Completed <i>7-10-68</i>	1: 250,000 SHEET <i>SE53-11</i>	Sheet <i>1</i> of <i>2</i>
Hours Drilled <i>3 3/4 hrs.</i>	(NAME & NUMBER) <i>BRUNETTE DOMES</i>	

AGE	ROCK UNIT	DEPTH	LITHOLOGY - %				DESCRIPTION	CORE	CUTTINGS	AMO ₄ TEST				ASSAY		SUICASE GAMMA LOG		
			Lithologic Log	Silt/Clay	Qtz/Sand	Chert				Carbonate	Colour	Trace Log	Medium	High	Colour		CSCO Sample	SQ
		0																
		10					CLAY, MINOR CHERT AT TOP	dk. grey Br.										
		20					SANDY & GYPSIFEROUS IN PART.	Brn.										
		35'					SANDY SILTSTONE/CLAY AT BASE. (CALC.)	Y. Brn.										
		40					LIMESTONE, WITH SILTSTONE IN PART, CHERT TOWARDS BOTTOM.	cm.										
		50																
		60																
		72 1/2'					SILTSTONE, SANDSTONE, WITH CHERT, MINOR LIMESTONE (LIKELY CONTAMINANT)	lt. Brn.										
		80																
		100																
		120																
		120'					LIMESTONE, MAINLY BROWNISH IN COLOR.	cm.										
		140																
		157 1/2'																
		160					LIMESTONE, CHERT, SLTST.											

20.5
1.8
2.1

AMO ₄ Test : <i>F. P.</i>	VMO ₄ , SQ :	Additional data :
Date : <i>7-10-68</i>	Date :	

DRILL LOG

DRILLHOLE No. <i>B10</i>	LOCATION <i>5.3 MI. E. OF WH</i>	T.D. <i>200'</i>
Date Started <i>7-10-68</i>	Co-ordinates	Elevation
Date Completed <i>7-10-68</i>	1: 250,000 SHEET	Sheet <i>2</i> of <i>2</i> .
Hours Drilled <i>3 3/4 hrs.</i>	(NAME & NUMBER) <i>BRUNETTE DOWNS</i>	

AGE	ROCK UNIT	DEPTH	LITHOLOGY - %				DESCRIPTION	CORE	CUTTINGS				AMO ₄ TEST			ASSAY		SOFTNER GAMMA LOG	TIME CONST. A SENSITIVITY B
			Lithologic Log	Silt/Clay	Qtz/Sand	Chert			Carbonate	Colour	Size	Trace	Low	Medium	High	Colour	CaCO ₃		
160				20	20	60	LIMESTONE, WITH CHERT, LOCALIZED SILTSTONE.	Crn.	1/2	2	2	Y							
				10	20	70													
				7	15	85													
170					15	85													
					15	85													
					10	90													
					10	90													
180					10	90													
					10	90													
					5	95													
					5	95													
					10	90													
					10	90													
200		<i>200'</i> <i>T.D.</i>			5	95													
					10	90													
					10	90													

AMO₄ Test : *F.R.* VMO₄, SQ : Additional data :

Date : *7-10-68* Date :

DRILL LOG

DRILLHOLE No. <i>B11</i>	LOCATION <i>3 MI. E. Bore #43</i>	T.D. <i>65</i>
Date Started <i>8-10-68</i>	Co-ordinates	Elevation
Date Completed <i>8-10-68</i>	1: 250,000 SHEET (NAME & NUMBER) <i>FRUNETTE DOWNS</i>	Sheet ... of ...
Hours Drilled <i>2 1/2 Hrs.</i>		

AGE	ROCK UNIT	DEPTH	LITHOLOGY - %				DESCRIPTION	CORE	CUTTINGS	AMO ₄ TEST				ASSAY		SUITCASE GAMMA LOG	TIME CONST. A SENSITIVITY 600	
			Lithologic Log	Silt/Clay	Qtz/Sand	Chert				Carbonate	Colour	NI	TI	MI	HI			COLOUR
		0																
		10'		85		15	CLAY, SOME GYPSUM, LIMESTONE AT BASE.	Dk Gy. Br.										
				10		90	LIMESTONE, WITH SILTSTONE, MINOR CLAY.	Brn.										
				20		80		Lt. Brn.										
				20		80		Brn.										
				10		90												
		25'		10		90		Lt. Br.										
				50		50	SANDSTONE, LIMESTONE, SANDSTONE POSSIBLY SILICIFIED LMST. MINOR CHERT	Lt. x. Br.										
				60		40		Crn.										
				80	T	20												
				90	T	10												
		40'		75	5	20		Lt. Brn.										
				65	5	30		"										
					5	95	LIMESTONE, MAINLY WHITE, MINOR CHERT AT TOP.	White										
					T	100		"										
					5	95		"										
					T	100		"										
						100		"										
		60'				100		"										
						100		"										
						100		"										
		60'				100		"										
		65'		20		80	LIMESTONE, DARKER, HARDER, WITH CHERT	"										
		T.D.		5		95		"										
							HOLE TERMINATED: V. HARD DRILLING IN CARBONATES.											

AMO ₄ Test : <i>F.P.</i>	VMO ₄ , SQ :	Additional data :
Date : <i>8-10-68</i>	Date :	

DRILL LOG

DRILLHOLE No. <i>R12</i>	LOCATION <i>2 MI. E. BONE #50</i>	T.D. <i>80'</i>
Date Started <i>8-10-68</i>	Co-ordinates	Elevation
Date Completed <i>8-10-68</i>	1: 250,000 SHEET	Sheet ...1. of ...1.
Hours Drilled <i>3 1/2 hrs.</i>	(NAME & NUMBER) <i>BRUNETTE DOWNS</i>	

AGE	ROCK UNIT	DEPTH	LITHOLOGY - %				DESCRIPTION	CORE	CUTTINGS					AMO ₄ TEST		ASSAY		SUITCASE GAMMA LOG		
			Lithologic Log	Silt/Clay	Qtz/Sand	Chert			Carbonate	Colour	NI	FACE	LOW	MEDIUM	HIGH	Colour	CO ₂ SAMPLE		SQ	Q
		5'	80			20	CLAY WITH 1/2' LIMESTONE AT BASE.	DR. GY	/											
		10'	10			90	LIMESTONE, WITH SANDSTONE (POSSIBLY SILICIFIED LIMESTONE)	GY	/											
		12 1/2'	50			50	SANDSTONE, CALCAREOUS? WITH LIMESTONE AT TOP. SANDSTONE MAY BE SILICIFIED LIMESTONE.		/											
			60			40			/											
			80			20			/											
			90			10			/											
			100			T			/											
			100			T			/											
			100			T			/											
			100			T			/											
		40'	100			T		/												
			95	5		T	SANDSTONE, HIGH CHERT CONTENT. MID-SECTION TO BASE MINOR LIMESTONE?		/											
			90	10		T			/											
				15		T			/											
			20	80		T			/											
			30	60		10			/											
			45	50		5			/											
		60'	45	50		5	SILTSTONE, CHERT, CALCAREOUS, SANDY IN PART.		/											
			35	60		5			/											
			55			5			/											
			50	10		35			/											
			65	5		30		/												
			85			15		/												
		72 1/2'	85			15	DOLONITIC LIMESTONE, LIMESTONE		/											
			20			70			/											
			5			90			/											
		80'	T			5		/												
		T.D.				95	HOLE TERMINATED: V. HARD DRILLING IN CARBONITES		/											
									/											
									/											
									/											
									/											
									/											
									/											
									/											
									/											
									/											

AMO₄ Test : *F.P.*
Date : *8-10-68*

VMO₄, SQ :
Date :

Additional data :