INTERVAL SHEET

Page 1 of 1 VDMR Well No: 2133

Date rec'd: Sample Interval: from 7' to: 97'

PROP: BLM A-050369 Number of samples: 32

Hole No.: T3-9A

COMP: Minerals Development Corp. Total Depth: 97'

COUNTY: Giles Oil or Gas: Water: Exploratory: X

Fro	m	-То	Fro	m-7	Γo Fi	rom-To		From-To
7'	-	7'8''	94'7''	-	95'9" (2 spls)	\ - >		Ŧ
7'8"	-		951911		971	-		-
		81611		-		-		-
		12'		-		L .		-
12'	-	13'11"		-		-		=
13'11"	-	24'0"		_		-		_
24'0"				-		-		-
25'3''				-		-		_
30 '4''						-		_
		37'6"		-		-		-
271/11	_	201711		_		_		2.5
37'6'' 38'7''				_		_		
				_		_		_
42'0'' 42'4''				_		_		_
		521		_		_		
42.5		52.						
52'0"	-	62 '		-		-		-
62 '	-	65'6"		-		-		=
65'6"	-	71'0"		-		-		-
71'0"	-	71'5"		~		-		-
71'5"	-	7213"		-		-		-
72 '3''	_	72.16!!		-		-		_
72 '6''				_		-		-
		87'3" (3 spls)		_				-
		89'7" (2 spls)		_		_		-
		91'1"		-		-		-
91'1"				-		-		-
91'4"				-		-		-
91'9"				-		-		-
92 '8"				-		-		=
93'4"	-	94'7''		-		-	ž.	-

INTERVAL SHEET

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Page /	of /		VDMR Well No: 2	133
Date rec'd:			Sample Interval: from	m7 to: 97
PROP: BL	M A-050369		Number of samples:	#32
COMP: Mi	xerals Developme	At Coop	Total Depth: 97	
COUNTY:	Giles	Co op	Oil or Gas: Water:	Exploratory:
	From-To	From-To	From-To	From-To
	7' - 7/8"	94'7" - 95'9" (Dagle) 95'9" - 97'	2	=
	7'8" - 8'1"	95'9"- 97'	-	0.0
	811" - 816"	-	•	<u>-</u>
	121 - 13'11"	-	-	
	13'11"- 24'0"	-	-	-
	241-25/311	-	-	-
	35'3" - 30'4"	-	-	-
	30'6" -37'6"	-	× -	
	37'6" - 38'7"		_	_
	38/7" -42'	-	_	_
	42' - 42'4"		-	- "
	4941 - 42'5"	-	-	-
		-	-	-
	591 -621	-	-	-
	621 -6564	-	-	-
	65'6" - 71'0" 71'0" - 71'5"	-	_	- 1
	71'5" -72'3"	- -	=	_
				Æ
	72'3" - 72'6"	-	-	- 0
	776 - 7700	-	-	-
	77" - 87'3" (3.26) 87'3" - 89'7" (226)	· 1	-	s=0
	89'7"-91'1"	-	-	-
	91'1" - 91'4"	<u>.</u> *	<u>-</u>	-
	91'4" - 91'9"	-	-	-
	91'9" - 92'8"	-	-	-
	9318"-9314"	- H	- *	-
	, , , , ,			

VDMR No.: W-2133

HOLE NUMBER: T3-9A

Hole alignment N68E 15° NW
Date started: November 16, 1961
Date completed: December 4, 1961
Driller: Vaughan Bowling, Cunningham Core Drilling and Grouting

Depth :	in feet		Description
From	To	Thickness	
0	71	71	Overburden, white sandstone float and Clinton float.
71	71811	811	Shale, pale grayish white, fractured and broken.
7181	811"	5"	Sandstone, grayish maroon to gray, fine grained, slightly ferruginous.
811"	81611	5n	Sandstone, rust to reddish brown, fine grained, broken.
816n	121	316"	Sandstone, pale grayish white to tan, fine grained, contains interbeds of pale gray to pale tan shale, includes 2" core loss.
121	13'11"	1'11"	Sandstone, pale gray to white, fine grained, quartzitic, contains rust brown manganese stained partings and fractures. Includes l'l" core loss.
13'11"	24 8	10 11"	Sandstone, rust brown to tan, fine grained, contains partings and interbeds of chocolate brown shale; badly fractured and broken. Includes 7' core loss.
241	2513"	113"	Shale, pale grayish white to pale tan, unctuous.
2513"	3014"	5'1"	Sandstone, maroon, fine to coarse grained, ferruginous contains maroon clay galls, broken; includes 3' core loss.
		(Note fault	zone 7' - 62!)
30'4"	3016"	2"	Shale, pale tan, unctuous.
301611	3817"	8†]"	Sandstone, maroon, fine to coarse grained, ferruginous contains maroon clay galls, broken. Includes 1'3" core loss.
3817"	421	315"	Shale, pale tan, includes 3'3" core loss.
421	4212"	2"	Shale, rust brown, sandy.
421211	4214"	2"	Shale, pale gray.
421411	4215"	l"	Sandstone, rust brown, fine grained.

Depth in feet			Description	
From	То	Thickness		
421511	521	91711	Shale, pale tan, broken and fractured; includes 8 core loss.	
521	621	101	Sandstone rust brown, fine grained, badly broker includes 8:6" core loss.	
621	651611	316"	Shale, tan to pale rust brown, sandy, contains sporadic partings of greenish gray shale and a labed of tan fine grained sandstone at 62'8".	
65 1611	71'.	516"	Shale, pale greenish gray, contains partings and lenses of gray fine grained quartzitic sandstone includes 8" core loss.	
71:	71'5"	5"	Sandstone, gray, fine grained, fossiliferous, contains ostracods and trilobites.	
71'5"	7213"	10"	Shale, pale greenish gray.	
7213"	721611	3"	Sandstone, gray, fine grained, fossiliferous, coostracods and brachiopods.	
7216"	7512"	31811	Shale, pale greenish gray, contains sporadic ler of gray fine grained quartzitic sandstone.	
7512"	771	1'10"	Shale, gray, contains partings and interbeds of shale. Includes 1' core loss.	
77'	871311	10†3"	Sandstone, maroon, fine grained, highly ferruging complete absence of shale partings and clay gall	
8713"	8917"	21411	Sandstone, maroon, fine grained, ferruginous, contains partings of maroon shale parallel to the bedding planes.	
8917"	91'1"	1'6"	Sandstone, marcon, fine grained, ferruginous.	
91'1"	91'4"	3ª	Sandstone, maroon, fine grained, ferruginous, co 50% maroon shale partings parallel to the beddin planes.	
91 14"	91'9"	5"	Shale, maroon and pale gray, unctuous.	
91 19"	9218"	11"	Sandstone, marcon, coarse grained, ferruginous.	
921811	9314"	811	Shale, grayish maroon, unctuous.	
93 14"	94 17"	1'3"	Sandstone, maroon, coarse grained, ferruginous, contains quartz granules and rust brown clay gal	

Depth in feet			Description		
From	To	Thickness			
9417"	9511"	611	Sandstone, maroon, coarse grained, ferruginous contains abundant maroon shale interbeds parallel to the bedding planes.		
95 '1"	9515"	4"	Sandstone, maroon, coarse grained, ferruginous.		
9515"	95 1911	4 n	Sandstone, maroon, coarse grained, ferruginous contains abundant maroon shale partings.		
9519"	971	113"	Clay, gray, unctuous, includes 6" core loss.		

Hole shut down.

T3-9A Log of Split Core

Date logged: December 9, 1961

Depth	in feet		Description
From	To	Thickness	
			Sample 1 (25'3" - 38'3")
2513"	30 1411	5'1"	Sandstone, maroon, fine to coarse grained, ferruginous, contains maroon clay galls, broken. Includes 3' core loss.
30 14"	3016"	211	Shale, pale tan unctuous.
3016"	3817"	8*1"	Sandstone, maroon, fine to coarse grained ferruginous contains maroon clay galls, includes 1'3" core loss.
			Sample 2 (77' - 91'1")
771	8713"	10'3"	Sandstone, maroon, fine grained, ferruginous, contain sporadic paper thin wavelite partings at 86'.
8713"	891511	21211	Sandstone, maroon, fine grained, ferruginous, contain scattered maroon shale partings parallel to the bedding planes.
8915"	91'1"	1'8"	Sandstone, maroon, fine grained, ferruginous.
			Sample 3 (91'1" - 92'8")
91'1"	91'4"	3"	Sandstone, maroon, fine grained, ferruginous contains 50% maroon shale partings parallel to the bedding planes.
9114"	9119"	5"	Shale, maroon and pale gray unctuous.
91'9"	9218"	11"	Sandstone, fine to coarse grained, ferruginous.
			Sample 4 (93'6" - 95'5")
9316"	94 1711	1'1"	Sandstone, maroon, coarse grained, ferruginous, contains quartz granules and rust brown clay galls.
941711	95'1"	6n	Sandstone, maroon, coarse grained, ferruginous, contains abundant maroon shale partings parallel to the bedding planes.