

INTERVAL SHEET

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VDMR Well No: 2132

Date rec'd:

Sample Interval: from 2' to: 65'

PROP: BLM A-050368

Number of samples: 39

Hole No.: T2-19A

COMP: Minerals Development Corp.

Total Depth: 65'

COUNTY: Giles

Oil or Gas: Water: Exploratory: X

From-To	From-To	From-To	From-To
2'0" - 13'10" (3 spls)	48'6" - 50'8"	-	-
13'10" - 16'10"	50'8" - 51'8"	-	-
16'10" - 17'0"	51'8" - 57'8" (3 spls)	-	-
17'0" - 18'8"	57'8" - 59'1"	-	-
18'8" - 19'4"	59'1" - 59'9"	-	-
19'4" - 19'10"	59'9" - 60'0"	-	-
19'10" - 19'11"	60'0" - 60'3"	-	-
19'11" - 20'1"	60'3" - 64'0"	-	-
20'1" - 20'9"	64'0" - 65'0"	-	-
20'9" - 20'10"	-	-	-
20'10" - 23'5"	-	-	-
23'5" - 23'8"	-	-	-
23'8" - 24'2"	-	-	-
24'2" - 24'5"	-	-	-
24'5" - 27'0"	-	-	-
27'0" - 31'0"	-	-	-
31'0" - 31'7"	-	-	-
31'7" - 36'0" (2 spls)	-	-	-
36'0" - 36'5"	-	-	-
36'5" - 39'6"	-	-	-
39'6" - 40'3"	-	-	-
40'3" - 41'0"	-	-	-
41'0" - 43'1"	-	-	-
43'1" - 43'6"	-	-	-
43'6" - 44'4"	-	-	-
44'4" - 44'7"	-	-	-
44'7" - 45'0"	-	-	-
45'0" - 46'8"	-	-	-
46'8" - 47'3"	-	-	-
47'3" - 48'6"	-	-	-

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Sample Interval: from 2' to: 65'

PROP: BLM A-050368  
 Well No. : T2-19A

Number of samples: 39

COMP: Minerals Development Corp.

Total Depth: 65'

COUNTY: Giles

Oil or Gas: Water: Exploratory: X

From-To	From-To	From-To	From-To
2'0" - 13'10" (3 spls)	48'6" - 50'8"	-	-
13'10" - 16'10"	50'8" - 51'8"	-	-
16'10" - 17'0"	51'8" - 57'8" (3 spls)	-	-
17'0" - 18'8"	57'8" - 59'1"	-	-
18'8" - 19'4"	59'1" - 59'9"	-	-
19'4" - 19'10"	59'9" - 60'0"	-	-
19'10" - 19'11"	60'0" - 60'3"	-	-
19'11" - 20'1"	60'3" - 64'0"	-	-
20'1" - 20'9"	64'0" - 65'0"	-	-
20'9" - 20'10"	-	-	-
20'10" - 23'5"	-	-	-
23'5" - 23'8"	-	-	-
23'8" - 24'2"	-	-	-
24'2" - 24'5"	-	-	-
24'5" - 27'0"	-	-	-
27'0" - 31'0"	-	-	-
31'0" - 31'7" (2 spls)	-	-	-
31'7" - 36'0"	-	-	-
36'0" - 36'5" (2 spls)	-	-	-
36'5" - 39'6"	-	-	-
39'6" - 40'3"	-	-	-
40'3" - 41'0"	-	-	-
41'0" - 43'1"	-	-	-
43'1" - 43'6"	-	-	-
43'6" - 44'4"	-	-	-
44'4" - 44'7"	-	-	-
44'7" - 45'0"	-	-	-
45'0" - 46'8"	-	-	-
46'8" - 47'3"	-	-	-
47'3" - 48'6"	-	-	-

HOLE NUMBER: T2-19A

Drill alignment: N 55 E 15° SE off vertical  
 Date started: Wednesday, December 6, 1961  
 Date completed: Thursday, December 7, 1961  
 Driller: M. C. Vaughan, Cunningham Core Drilling Co.

Depth in feet			Description
From	To	Thickness	
0	2'	2'	Overburden, workable Clinton.
2'	4'3"	2'3"	Sandstone, maroon, fine grained, ferruginous includes
4'3"	6'5"	2'2"	Sandstone, maroon, fine to medium grained, ferruginous, includes 11" core loss.
6'5"	9'	2'7"	Sandstone, maroon, fine grained, ferruginous, contains sporadic partings of maroon shale.
9'	10'9"	1'9"	Sandstone, maroon, fine to coarse grained, ferruginous contains quartz granules.
10'9"	13'6"	2'9"	Sandstone, maroon, fine to coarse grained, ferruginous contains abundant maroon shale partings parallel to the bedding planes.
13'6"	13'10"	4"	Sandstone, maroon, fine grained, ferruginous.
13'10"	16'10"	3'	Shale, maroon, includes 2'1" core loss.
16'10"	17'	2"	Sandstone, maroon, fine grained, ferruginous.
17'	18'8"	1'8"	Sandstone, maroon, coarse grained, ferruginous, conglomeratic; contains vugs, clay galls and quartz granules.
18'8"	19'4"	8"	Shale, maroon, contains interbedded maroon coarse grained ferruginous sandstone partings.
19'4"	19'10"	6"	Sandstone, maroon, coarse grained, ferruginous contains vugs and quartz granules.
19'10"	19'11"	1"	Shale, maroon.
19'11"	20'1"	2"	Sandstone, gray to pale rust brown, fine grained.
20'1"	20'9"	8"	Shale, pale grayish maroon, contains paper thin partings of yellowish to rust brown sandy shale.
20'9"	20'10"	1"	Sandstone, maroon, fine grained, ferruginous.
20'10"	23'5"	2'7"	Shale, pale gray, contains sporadic paper thin partings of rust brown sandy shale parallel to the bedding planes.

Depth in feet			Description
From	To	Thickness	
23'5"	23'6"	1"	Shale, maroon.
23'6"	23'8"	2"	Shale, gray.
23'8"	24'2"	6"	Sandstone, maroon, coarse grained, ferruginous.
24'2"	24'4"	2"	Shale, lavender to grayish maroon.
24'4"	24'5"	1"	Sandstone, maroon, fine grained, ferruginous.
24'5"	27'	2'7"	Shale, pale greenish gray, contains rust brown paper thin shale partings parallel to the bedding planes, extremely unctuous.
27'	31'	4'	Shale, gray, drab, contains rust brown silty shale partings parallel to the bedding planes, crumbly. Includes 2'8" core loss.
31'	31'7"	7"	Sandstone, pale olive drab, fine grained.
31'7"	36'	4'5"	Shale, pale maroon to lavender, contains paper thin partings of fine grained pale grayish brown to rust brown sandy shale, parallel to the bedding planes.
36'	36'1"	1"	Shale, pale green, contains pebbles of grayish white fine grained sandstone.
36'1"	36'3"	2"	Shale, pale brown, unctuous.
36'3"	36'5"	2"	Sandstone, pale gray, fine grained quartzitic.
36'5"	39'6"	3'1"	Shale, pale brown, includes 2'11" core loss.
39'6"	40'3"	9"	Quartzite, grayish white, fine grained, thin bedded.
40'3"	41'	9"	Shale, pale gray.
41'	43'1"	2'1"	Quartzite, grayish white, fine grained, thin bedded.
43'1"	43'6"	5"	Shale, gray.
43'6"	44'4"	10"	Quartzite, grayish white, fine grained.
44'4"	44'7"	3"	Sandstone, grayish white quartzitic, contains partings of green shale.
44'7"	45'	5"	Sandstone, rust brown, fine grained, shaly. Includes 2" core loss.

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<u>Depth in feet</u>			<u>Description</u>
<u>From</u>	<u>To</u>	<u>Thickness</u>	
45'	46'8"	1'8"	Quartzite, grayish white, fine grained.
46'8"	47'3"	7"	Sandstone, conglomeratic, gray; contains black limestone pellets and clay pellets. Includes irregular lenses of gray quartzite and black silt.
47'3"	48'6"	1'3"	Sandstone, grayish green, fine grained, variegated with green glauconitic shale stringers, contains pyrite crystals and pyritized fossils.
48'6"	50'8"	2'2"	Sandstone, grayish white to pale grayish green, quartzitic, contains green glauconitic shale partings parallel to the bedding planes.
50'8"	51'8"	1'	Quartzite, pale grayish white fine grained.
51'8"	57'8"	6'	Sandstone, grayish white to pale grayish green, contains minute irregular stringers of pyrite and pale irregular green shale partings.
57'8"	59'1"	1'5"	Sandstone, grayish maroon, fine grained.
59'1"	59'9"	8"	Shale green to greenish gray.
59'9"	60'	3"	Shale, pale yellowish brown, includes 1" core loss.
60'	60'3"	3"	Sandstone, pale grayish white, fine grained quartzitic.
60'3"	64'	3'9"	Shale, pale greenish gray, contains interbeds and partings of rust brown manganese stained sandstone and sandy shale. Also contains lenses of grayish white fine grained quartzitic sandstone.
64'	65'	1'	Sandstone, pale grayish white fine grained quartzitic. Includes 7" core loss.

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End of hole.

## T2-19A Log of Split Core

Date logged: December 9, 1961

Depth in feet			Description
From	To	Thickness	
Sample 1 (2' - 10'9")			
2'	4'3"	2'3"	Sandstone, maroon, fine grained, ferruginous, includes 7" core loss.
4'3"	6'5"	2'2"	Sandstone, maroon, fine to medium grained, ferruginous, includes 11" core loss.
6'5"	9'	2'7"	Sandstone, maroon, fine grained, ferruginous, contains sporadic partings of maroon shale.
9'	10'9"	1'9"	Sandstone, maroon, fine grained, to coarse grained, ferruginous, contains quartz granules.
Sample 2 (10'9" - 13'10")			
10'9"	13'10"	3'1"	Sandstone, maroon, fine to coarse grained, ferruginous, contains maroon shale partings parallel to the bedding planes.
Sample 3 (17' - 19'10")			
17'	19'	2'	Sandstone, maroon, coarse grained, ferruginous, conglomeratic, contains vugs, clay galls and quartz granules.
19'	19'4"	4"	Shale, maroon, contains maroon sandstone, coarse grained ferruginous intercalations.
19'4"	19'10"	6"	Sandstone, maroon, coarse grained, ferruginous, contains vugs and quartz granules.

End of log.