INTERVAL SHEET

Page 1 of 1

VDMR Well No: 2121

Date rec'd:

Sample Interval: from 4' to: 95'

PROP:

BLM A-051841

Number of samples: 35

Hole No.: T6-15A

COMP:

Minerals Development Corp.

Total Depth: 951

COUNTY:

Giles

Oil or Gas: Water: Exploratory: X

From	-To	From	ı-To	From-To		From-To
4' -	7'10''	86'10	87'5''	-		-
7'10'' -		87'5''-		-		-
	15'5''	89'10"		<u>=</u>		\$ 4
15'5" -		92'10-		_		-
	201911	931511-	300 AC 1 530	-		* -
201911 -	251	-	•			-
25' -	26'6"	-	•	=		-
26'6" -	30 1611			-		3→ 0
30'6" -	31'4"	-		-		-
31'4" -	32 1411	-	•	~		(-)
32 '4'' -	34'2"	-	•	-		n 0
34'2" -	39'6''	-		-		- 19
39'6'' -	47'8"	(2 spls) -		-		- 1
47'8'' -	AND DESCRIPTION OF THE SECOND	(2 spls) -		-		-
55'6'' -	591	-		-		S - 2
59' -	59'10''		•	=		æ
59'10''-	61'1"	-	•	100		-
61'1'' -			•	=		51 <u>—</u> 47
61'11''-	64'2"	-		-		· - 0
64'2" -	66'2"	-		-		-
66'2'' -		(2 spls) -	•	:=		''
67'6'' -	71'6''	-		· — i:		::
71'6'' -		-		-		-
75'3'' -	76'6''	-		-		/ =
76'6'' -	77'9"	-	•	' · ·		=
	å					
77'9'' -	78'10''	-	•	-		-
78'10''-	80'1"	-		14		-
80'1" -	801911	¥	•	=		-
80 '9'' -	82 1911	-	•	r - 1		
82 '9'' -	86'10''	-		-	<u> </u>	-

INTERVAL SHEET

Page of

Date rec'd:

PROP: BLM A-051841 Hole No: T6-15A COMP: Minerals Development Corp.

COUNTY: Liles

VDMR Well No: 2/2/

Sample Interval: from 4 to: 95

Number of samples: 35

Total Depth:

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	Fr	om-To
4 - 7'10" 7'10" - 10' 10' - 15'5" 15'5" - 18' 18' - 20'9"	86/61 - 87'5-11 87'5" - 89'16" 89'10" - 99'10" 99'10" - 93'5" 93'5" - 95'	- - - -		-
30'9" - 25' 35' - 26'6" 36'6" - 30'6" 30'6" - 31'4" 31'4" - 32'4"	- - -			
32'4" - 34'2" 34'2" - 39'6" 39'6" - 47'8"(22) 47'8" - 55'6"(22) 55'6" - 59'	-	- - - -		
59' - 59'10" 59'10" - 61'11" 61'1" - 61'11" 61'1" - 64'2" 64'2" - 66'2" 66'2" - 67'6" (2006) 67'6" - 71'6"	-			
716" - 7513" 75'3" - 76'6" 76'6" - 771 9"	-			-
77'9" - 78'10" 78'10" - 80' 1" 80'1" - 80' 9" 80'9" - 82'9" 82'9" - 86'10"	- - - -	- - - -		

VDMR No.: W-2121

HOLE NUMBER: T6-15A

Drill alignment: Vertical

Date started: Tuesday, November 7, 1961

Date completed: Wednesday, November 15, 1961
Driller: M. C. Vaughan, Cunningham Core Drilling and Grouting Co.
Location Bearing N 55° W from T6-12A 460°

Depth i	n feet		Description
From	To	Thickness	
01	41	41	Overburden
41	7*10"	3'10"	Sandstone, grayish maroon, fine to medium grained, slightly ferruginous, weathered; contains yellowish brown clay galls and contained vugs. Includes 1'9" core loss.
7110"	10	21211	Sandstone, maroon, medium grained, contains sporadic quartz granules, ferruginous. Includes 7" core loss.
101	15'5"	515"	Sandstone, maroon, fine grained, slightly ferruginous; broken and weathered; includes 4'7" core loss.
1515"	181	21711	Sandstone, maroon, coarse grained, quartzitic, slightly ferruginous, friable; contains abundant rounded quartz granules. Includes 6" core loss.
18:	1814"	410	Shale, grayish maroon.
1814"	2019#	21511	Sandstone, maroon, fine to coarse grained, ferruginous; contains abundant maroon shale partings parallel to the bedding planes. Includes 9" core loss.
2019"	251	41311	Sandstone, maroon, coarse grained, conglomeratic, ferruginous, contains abundant rounded quartz granules and sporadic contained vugs. Includes l' core loss.
251	2616"	116"	Shale, pale grayish green to maroon, contains scattered interbeds of maroon, fine grained sandstone in the lower 3 inches. Includes 6" core loss.
2616"	26'10"	4"	Sandstone, pale grayish maroon, fine grained, slightly ferruginous.
26'10"	3016"	318"	Sandstone, maroon, fine to coarse grained, ferruginous, broken; contains partings of maroon shale and maroon clay galls. Includes 1'9" core loss.
3016"	31'4"	10"	Shale, pale olive drab to pale grayish tan.
31'4"	32 1411	1'	Sandstone, pale rust brown to grayish brown, fine grained; abundantly fossiliferous, includes ostracods: <u>Mostigobolbina</u> sp and <u>Zygosella</u> sp; crinoid stems all in excellent preservation.

Depth in feet			Description
From	То	Thickness	
3214"	341	11811	Shale, pale tan to grayish tan, includes 1.3" core loss.
341	341211	211	Sandstone, pale grayish brown to rust brown, fine grained.
3412"	3419"	7 ⁿ	Shale, pale gray to pale grayish tan.
34'9"	35'1"	4 ⁿ	Sandstone, pale grayish tan, fine grained.
35'1"	3916"	415n	Shale, pale gray to pale grayish tan, includes 2' core loss.
3916"	5516"	161	Shale, gray to grayish green, contains interbeds lenses and partings of gray fine grained sandsto and gray fine grained shaly sandstone.
55 1611	591	316"	Shale, yellowish tan to pale brown.
591	59'4"	4"	Shale, greenish gray.
59'4"	5916"	2"	Sandstone, pale gray to pale grayish tan, fine grained.
5916"	591911	3"	Shale, pale olive drab to pale gray.
5919"	59'10"	l"	Sandstone, pale gray to pale grayish tan, fine grained.
59'10"	61'1"	1'3"	Shale, grayish maroon to pinkish maroon to olive drab; contains interbeds of grayish maroon fine grained sandstone.
61'1"	61'8"	7"	Sandstone, maroon, coarse grained, ferruginous, contains quartz granules and clay galls, vuggy.
61 18"	61'11"	3"	Shale, olive drab to maroon.
61 *11 "	641211	21311	Sandstone, maroon, fine to medium grained, ferru contains widely scattered maroon shale partings parallel to the bedding planes. Includes 4" cor loss.
641211	661211	21	Sandstone, maroon, coarse grained, highly ferrug conglomeratic; contains quartz granules, include core gain.
6612"	66 14"	2"	Shale, yellowish tan.
661411	661511	J.	Shale, drab maroon.

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Depth in feet			Description
From	То	Thickness	
66 1511	6617"	211	Sandstone, maroon, coarse grained, ferruginous.
6617"	671	5"	Shale, olive green to maroon, contains 1/4 inch parting of maroon fine grained ferruginous sandstone at 67.
671	6712"	2"	Shale, maroon.
6712"	671611	411	Sandstone, marcon, coarse grained, ferruginous, contains quartz granules, conglomeratic.
671611	71'6"	4,8	Shale, maroon, contains 1/4 inch to 1 inch thick interbeds of maroon fine grained ferruginous sandstones.
71'6"	751311	31911	Sandstone, maroon, coarse grained, conglomeratic, highly ferruginous, contains large quartz granules rust brown clay pellets and contained vugs.
7513"	761611	11311	Shale, maroon, contains l' interbeds of grayish maroon fine grained sandstone.
7616n	7616.511	0.5"	Shale, grayish green.
7616.51	76 10"	3.5"	Sandstone, drab maroon, fine grained, shaly, contains abundant maroon shale partings.
76'10"	771211	4"	Sandstone, drab maroon to grayish maroon, fine graine
77 12"	7713"	14	Shale, pale greenish gray.
7713"	7719"	611	Sandstone, maroon, fine grained, shaly, contains abundant maroon shale partings parallel to the bedding planes.
7719"	78'10"	1,1,4	Shale, olive drab to grayish maroon.
78'10"	791	211	Sandstone, maroon, fine grained, shaly, contains abundant partings of maroon shale.
791	7913"	3"	Shale greenish gray.
7913"	791911	6n	Shale, maroon, contains partings of maroon fine grained sandstone parallel to the bedding planes.
791911	80'1"	411	Shale, grayish green.
80'1"	8019"	811	Sandstone, maroon, fine grained, shaly, contains abundant maroon shale partings.

Depth in feet			Description
From	To	Thickness	
8019"	8219"	21	Shale, greenish gray to maroon, contains 1/2 inch interbeds of maroon, fine grained ferruginous sandstone.
821911	851	313"	Sandstone, maroon, fine grained, ferruginous, contains sporadic partings of maroon and pale green shale parallel to the bedding planes.
85 1	8610"	1'10"	Sandstone, maroon, fine to coarse grained, ferruginous, contains quartz granules, conglomeratic contains sporadic maroon and grayish green shale partings parallel to the bedding planes.
86110"	8715"	7"	Shale, yellowish tan to yellowish brown.
8715"	89'10"	215"	Shale, greenish gray, contains sporadic lenses of greenish gray fine grained shaly quartzitic sandstone and sporadic maroon shale partings.
89110"	92110"	31	Shale, pale greenish gray.
92110"	931	211	Sandstone, maroon, warse grained, conglomeratic, highly ferruginous; contains quartz granules.
931	9315"	5"	Shale, greenish gray.
93 15"	9316"	1"	Sandstone, grayish maroon, fine grained.
93 1611	9416"	11	Shale, greenish gray.
9416"	951	6"	Quartzite, greenish gray, fine grained, 5" left in hole.

End of hole.

Log of Split Core T6-15A

Date Lo	gged:	November	18.	1961	
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Depth in feet			Description
From	To	Thickness	
			Sample 1 (4' - 10')
41	7110"	3'10"	Sandstone, grayish maroon, fine to medium grained, ferruginous, weathered; contains yellowish brown clay galls and contained vugs. Includes 1'9" core loss.
7'10"	101	212"	Sandstone, maroon, medium grained, contains sporadic quartz granules, ferruginous, includes 7" core loss.
101	15'5"	515"	Not sampled. See log.
			Sample 2 (15'5" - 20'6")
1515"	18#	217"	Sandstone, maroon, coarse grained, quartzitic ferruginous, friable, contains abundant rounded quartz grains, includes 1'6" core loss.
181	1814"	4 ⁿ	Shale, grayish maroon.
18:	201911	21911	Sandstone, maroon, fine grained to carse grained, ferruginous; contains roughly 40% maroon shale partings parallel to the bedding planes, includes 9" core loss.
			Sample 3 (20'9" - 25'),
2019"	251	4'3"	Sandstone, maroon, coarse grained, conglomeratic, ferruginous, contains abundant rounded quartz granules and sporadic contained vugs. Includes l' core loss probably maroon shale.
251	261611	116"	Not sampled see log.
			Sample 4 (26'6" - 30')
261611	26'10"	Дn.	Sandstone, pale grayish maroon, fine grained, ferruginous.
26'10"	301	312"	Sandstone, maroon, fine to coarse grained, ferruginous, broken, contains partings of maroon shale and maroon clay galls.
30*	61'1"	31'1"	See log.

Depth in feet			Description
From	To	Thickness	
			Sample 5 (61'1" - 66'2")
61'1"	61'8"	7"	Sandstone, maroon, coarse grained, ferruginous, contains quartz granules and clay galls, vuggy.
61'8"	61'11"	3"	Shale, olive drab to marcon.
61'11"	641211	21311	Sandstone, maroon, fine to medium grained, ferruginous, contains widely scattered maroon shale partings parallel to the bedding planes. Includes 4" core loss.
641211	661211	21	Sandstone, maroon, coarse grained, highly ferruginous, conglomeratic, contains quartz granules, includes 2" core gain.
6612"	6712"	ı·	Shale, yellowish tan to olive green to maroon, contains 2" interbed of maroon coarse grained ferruginous sandstone at 66'5", not sampled see log.
			Sample 6 (67'2" - 67'6")
6712"	6716"	4"	Sandstone, maroon, coarse grained, ferruginous, contains quartz granules, conglomeratic.
6716"	71'10"	414n	Shale, maroon, contains 1/4 inch to 1" interbeds of maroon, fine grained ferruginous sandstone, not sampled.
			Sample 7 (71'10" - 75'3")
71'10"	75'3"	31511	Sandstone, maroon, fine to coarse grained, highly ferruginous, conglomeratic, contains large quartz granules and contained vugs.
7513"	80'1"	4110"	Shale, greenish gray to olive drab contains interbeds and partings of maroon, fine grained shaly sandstone.
			Sample 8 (80'l" - 80'9")
30'1"	801911	8 ₁₁	Sandstone, maroon, fine grained, shaly, contains abundant maroon shale partings.
			Sample 9 (82'9" - 86'7")
3219"	85 4"	217"	Sandstone, maroon, fine grained, ferruginous, contain maroon and pale green shale partings parallel to the bedding planes.

Depth in feet			Description
From	То	Thickness	
8514"	861711	1'3"	Sandstone, maroon, fine to coarse grained, ferruginous, contains maroon shale partings parallel to the bedding planes.
8617"	93'10"	61311	Shale pale greenish gray contains lenses of greenish gray fine grained sandstone. See log for detailed description.
			Sample 10 (92'10" - 93')
92'10"	931	211	Sandstone, maroon, coarse grained, conglomeratic, highly ferruginous, contains quartz granules.

End of Sampling on T6-15A.