LEWIS MAXWELL NO. 11-F WELL (Permit-Dod-71)-D

	West Altit	Union Di tude 1,13	strict, B' L.	Doddridge County, W. Va.
	0.60	mi. W. o	£ 80° 45	and 4.10 mi. S. of 39° 20'
	Dril.	led in 19	16, deep	ened June 13, 1934 to July 13, 1936, by Columbian
	Ca Ca	arbon Com	pany.	
	🗌 Деере	ening com	menced a	t ² ,656 ¹
• - • · · · ·	:Samp]	les examin	ned by D	r. James H. C. Martens. Results reprinted from pages
	10	04-109. V	ol. XI.	W. Va. Geological Survey.
- · · · · ·	· · ·		,	
	Ton	Bottom	Thiole	nond O. Titthataan
, _·· C , ,	3/02	2507	1/	OLATED STATES
	- 2507	3507	14	Shale, greenish-gray, sandy
	. 3201	3228	21	Sandstone, very fine, light grayish-green, shaly, with
. D . :		A 1.13 -		much gray silty and sandy shale
	3558	3760	202	Shale, greenish-gray, silty and sandy, with some very fine
				gray to light-green sandstone: the samples vary in the
<u> </u>		a .		Droportion of shale and sandstong but probably none and
_ · · · · · · · · · · · · · · · · · · ·				more than half conditions more with fishes and more the
			4	and the chair hall sandstone; muscovite flakes and quartz
				grains are plainly visible in the coarser fragments,
		· · · · · · · · · · · · · · · · · · ·	e ≪	and there are small pieces of black carbonaceous material
	A-		- <u>-</u>	in the finer enes
	3760	4019	<u>259</u>	Shale, gray to greenish-gray, silty and sandy, with some
				very fine light-gray to green sandstone: very similar
				to last group of samples but more of the shale is neutral
		• • •		grav rather than slightly green and in the larger and
				a of the interval there is a little well is the lower part
a second of the second se	6010	1051	20	the interval there is a little real dark shale
	4019	4051	34	snale, gray, silty, and sandy, with a considerable pro-
<i>2</i> .	2	i i	1 · · ·	portion of brown sandy shale with more pyrite than the
. · · ·	1 - 1 1			gray; there is also some very fine light grayish-green
				sandstone
	4051	4094	43	Shale, grav to greenish-gray, silty and sandy with some your
	·		·	fine greenishedray conditione: small enhances and same
				crations in semple from (075.01
	4094	4354 .	260	
	TVJT	+554	200 . 3	Shale, gray to slightly greenish, silty and sandy, with some
and the second second	·			very line light-gray sandstone; many of the samples in
·	- Q-	· · · · · · · · · · · · · · · · · · ·		this group contain a little real dark shale but otherwise
	n <u>.</u>			are about the same as the preceding
	4354 -	4365	11 _	Sandstone, very fine, gray, shaly
	4365	4404	. 39 🗋	Shale, medium to dark-gray, silty and sandy
м м.	4404	4467	63	Shale, gray and brown, silty and sandy, the oney nonticles
1				Vary in color from medium-oney to meaning the
· · · · · · · · · · · ·	4467	4573	106	Shelo lights to doub and site
			***	The interaction of the start of
		·····	• • • • •	than in most samples from this well below 3500'; a few
		N		small spherical concretions of pyrite
이 아이 나는 눈을	4573	4807	ે: 234 ત⊶	Shale, medium- to dark-gray, silty; slightly darker and a
				little finer textured than last group of samples: a few
				small spherical concretions of pyrite
	4807	- 4838	31	Shale, gray and darkehrown silty with a for small schemical
		ç		Concretions of purito
· · · · · · · · · · · · ·	4838	4882	44	Chelo licht ha lank and
	4882	4002	 	Shale, Ilyac- to dark-gray
	4002	= 470J	· 43	Shale, medium- to dark-gray, and dark-brown, silty and sandy
	4905	5148	243	Shale, gray to slightly greenish, silty and sandy; some frag-
				mentary carbonized plant fossils; a little pyrite through-
<u>.</u> :	- ::	- <u>- ا</u>		Distriction of the state of the
	5148	Š214	66	Shale. dark-brown, very sandy with some grow shale while while
		-		, some gray shale which is
	CA1/			not quite so sandy
-	5214	5712	498 (Shale, gray, partly silty and sandy; a little pyrite through-
			·	out; practically the same as the shale from 4905-5148: some
				(Continued on p. 2)

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			, .	P. 3
	_			LEWIS MAXWELL NO. 11-F WELL (CONTINUED)
	Top	Bottom	Thick-	e internet in
	6960.	-6982	ness 22	ORISKANY SANDSTONE, 143 FEET
1 <u>-</u>	6982	7017	35	Sandstone, medium to fine-grained, probably light-gray to
				white, but samples are much contaminated with shale frag-
	7017	7055	20	ments, metallic iron, and iron rust
	/01/	1055		Sandstone, hard; the 25 samples from this interval are all
		-		large amount of metallic iron in the samples and the fact
				that samples represent one or two feet only shows that the
	· · .			rock drilled through could hardly have been shale; only
1. <u>1</u> . 1. 1.	7055	7103	48	Sandstone, calcareous fine: semples much conteminated by
د مسابقه میدود				shale, metallic iron, and iron rust
n nyin-si	7100	1015		HELDERBERG GROUP, 278 FEET
	103	/124	21	Sandstone, gray, very fine, calcareous, cherty, with a little
				at 7121-7124 and a little glauconite
	7124	7127	3	Sandstone, gray, very fine, calcareous, very cherty, with
	7107	7120	ົ ດ	considerable fine pyrite
<u></u>	- 1447	7,127	4	and a very little glauconite
	/129	/132	3	Sandstone, gray, very fine, cherty, calcareous, with a little
	7132	ି 7146	14	Chert, gray, very sandy, calcareous, with fairly shundent
				small grains of pyrite
··- · · ·	/140	- / 169	23 ~	Sandstone, gray to brownish, very fine, cherty, calcareous,
·	<u>.</u>	e en		pyrite
	7169	7182	13	Sandstone, gray, very fine, highly calcareous, but only
		718/		slightly cherty
	7 20 2	i xu ti	_ (careous: a liftle dolomite
	7184	71 9 0	. <u>6</u>	Chert, gray, sandy, calcareous, with a little dolomite and
• • •	7100	7102	•••••••••••••••••••••••••••••••••••••	considerable fine pyrite
	7150	/ 194	Z - 7	sandstone, brownish-gray, very fine, cherty and highly cal-
· · · · · ·	7192	7198	6 -	Chert, gray to brownish, very sandy, calcareous, with a little
<u>م</u> فر (1	in an the second se	and a second as	· · · · ·	dolomite and glauconite; fragments mostly porous after
-	7198	7216	18	acid treatment; many small specks of pyrite
		t in the second se	:	"soluble residue mostly porous masses of silice with a ferr
	7016		10 A.A. 1990 - A.A.	pieces of light-gray compact chert
	1210	7236	20	Chert, gray, considerably stained with iron rust; highly
	:		<u></u>	proportion of light-gray compact chart than the last
	2121-		1.1.1.1. 1	of samples
	7236 ·	7240	-4	Sandstone, gray, with rusty stain, very fine, highly cal-
· · · · · · · · · · · · · · · · · · ·	7240	7260	20	Limestone, grav, highly siliceous, containing lange
· -		et Little for t	a ditta	of chert and very fine to fine sand; similar to the last
	7260	7979	14	group of samples
n an	/ 200	1 413 	13 m l	sandstone, very fine, calcareous and cherty, with a few small
ç	<u>а</u>	an ta can Ta cana an	с. [—] Э.,	iron and by shale cavings
	7273	7289	16 – 5	Chert, gray, calcareous, and sandy
	1207	1273	0. 	Sandstone, gray, very cherty, highly calcareous, with
				little glauconite
				(Continued on p. 4)
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LEWIS MAXWELL NO. 11-F WELL (CONCLUDED)

Тор	Bottom	Thick-	
		ness	
7758	7764	6	Rock salt, with some shale and anhydrite
7764	7780	16	Anhydrite, gray, with dolomite and calcite
7780	7820	40	Rock salt, with some shale; probably the shale is from above
7820	7825	5	Anhydrite and shale
7825	7829	4	Anhydrite and salt
7829	7833	4	Anhydrite-dolomite rock, with some shale
	783 7		TOTAL DEPTH

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