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OCT 2.6 2001

WR-35

DATE: January 23, 2002 API#: 47-095-01716

## State of West Virginia Division of Environmental Protection Section of Oil and Gas

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Section .	of Off and Car				AMELIA .
Well Operator's	s Report of Wel	ll Work			
Farm name: Cox/Huff Trust	Opera	ator Well No.:	#1		
LOCATION: Elevation: 1166'	Quad	rangle:	ennsboro	·	
	Caus	т. Т	vler		•
District: Meade Latitude: 11,940 Feet South of 39	Coun	Min .	30 Sec	4.	
Latitude: 11,940 Feet South of 35 Longitude 11,760 Feet West of 80		Min	Sec.	j.	
Longhude 11.780 Test West of				?	
Company:			1 •	1	
	Casing &	4	Left in well	Cement	
Ohio L&M Co., Inc.	Tubing	drilling		up Cu. F	τ
Address: 4150 Belden Village Ave		<u> </u>		<del></del>	<del>_</del>
NW Suite 410 Canton, OH	16"	40'	0'	N/	<u>A</u>
Agent: Jeff Sayger				<del>                                     </del>	
Inspector: Mike Underwood	11-3/4"		162'	80 S	<u>ks</u>
Date Permit Issued: 10-23-01					
Date Well Work Commenced: 12-26-01	8-5/8		1355'	297	Sk
Date Well Work Completed: 1-5-02	1			312	
Verbal Plugging:	4-1/2"		5131	312	<u>.</u>
Date Permission granted on:					
Rotary X Cable Rig	1-1/2"	•			
Total Depth (feet): 5194 '	Deep Zor	l .	Q SOE	7/27	
Fresh Water Depth (ft.): 70 '	1-1/2"		HECEI Office of C	1 & G29	<u> </u>
	Shallow	<u> </u>	Permi	ting	
Salt Water Depth (ft.): 1165	Zone		1	2 0000	<u> </u>
			MAR 2	D ZUUZ	<u> </u>
Is coal being mined in area (N/Y)? NO			WV Depa	troopt of	₽
Coal Depths (ft.): N/A			Environment	al Protection	1
					3
OPEN FLOW DATA					\$ ;
Producing formation Benson	Pay 2	zone depth (:	<sub>ft)_</sub> 5020-503	0	
Gas: Initial open flow 70 MCF/d Oil	: Initial open	flow O.O	_Bbl/d		
Final open flow 60 MCF/d I	Final open flo	$\mathbf{w} = 0.0$	_Bbl/d		
Time of open flow between initial and			ours		
Static rock Pressure 900 psig (surfa	ce pressure) a	ifter 24	Hours	*	
			_		
Second producing formation Big Lim	ie Pay zo	one depth (ft	) <u>2064</u> -207	′0	
Gas: Initial open flow 1.2 MCF/d Oil	: Initial open	flow 0.0	_Bbl/d		
Final open flow 1.2 MCF/d	Final open flo	w 0.0	Bbl/d		
Time of open flow between initial and	final tests	24 H	ours		
Static rock Pressure 110 psig (surfa	ce pressure) a		Hours		
NOTE: ON BACK OF THIS FORM PUT THE	FOLLOWING	: 1). DETAI	LS OF PERFORA	TED	
DETERMATE EDACTIONIC OF STIMIT AT	ING PHYSIC	AL CHANGE	, EIC. 2). ITE	W ELL	
LOG WHICH IS A SYSTEMATIC DETAILED	) GEOLOGICA	AT KECOKD	OF ALL FORM	ATIONS,	
INCLUDING COAL ENCOUNTERED BY THE	WELLBONE.	!			
m. V.	11/1/10	,			
Signed: //a///	ween		MA	R 3 9 201	02
D. Manhim T Mil	7			· · · · · · · · · · · · · · · · · · ·	1.3.4



Office of Oil & Gas

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WV Department of Environmental Protection

WELL: Ohio L & M Co., Inc.#1 Cox-Huff Trust.

LOCATION: Meade District, Tyler County, West Virginia.

PERMIT NUMBER: Tyler-1716.

ELEVATION: 1166' Ground 1176' KB.

STATUS: Preparing to complete as a gas producer.

CASING: 11 3/4" @ 162' 8 5/8" @ 1355'.

TOTAL DEPTH: 5194' Driller 5150' Logger.

CONTRACTOR: Nexus Drilling, Inc..

TOOLS: Rotary.

SPUD DATE: 12/26/2001.

COMPLETED DRILLING: 1/5/2002.

FORMATION AT TOTAL DEPTH: Devonian shale.

ELECTRICAL SURVEYS: Gamma Ray- Neutron- Compensated Density-Caliper- Induction- Temperature by Allegheny Wireline Services, Inc..

SHOWS: An excellent show of gas was encountered in the Big Lime. Small shows of gas were encountered in the Weir and Benson Sandstone. Fair hydrocarbon fluorescence was noted in the Benson Sandstone. A more detailed description of the above mentioned fluorescence can be found on the attached Formation Evaluation Log.

FORMATION TOPS:	2 <sup>nd</sup> Cow Run Sandstone	1387'	- 211
	Gas Sand	1516'	- 340
	1st Salt Sand	1594'	- 418
	2nd Salt Sand	1720'	- 544
	3rd Salt Sand	1824'	- 648
	Maxon Sandstone	1899'	- 723
	Big Lime (Greenbrier)	2005'	- 829
	Big Injun Sandstone	2104'	- 928
	Squaw Sandstone	2207'	- 1031
	Weir Sandstone	2437'	- 1261
	Berea Sandstone	2723'	- 1547
	Gantz Sandstone	2788'	- 1612

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COX-HUFF TRUST #1	•		Page 2
	30' Sandstone	2890'	- 1714
	Gordon Sandstone	3010'	- 1834
	4 <sup>th</sup> Sandstone	3093'	- 1917
	5 <sup>th</sup> Sandstone	3163'	- 1987
	Warren Sandstone	3560'	- 2384
	Speechley Sandstone	3950'	- 2774
	Balltown Sandstone	4054'	- 2878
	Bradford Sandstone	4652'	- 3476
	Riley Sandstone	4827'	- 3651
	Benson Sandstone	5019'	- 3843

## STRUCTURAL COMPARISON:

Ohio L&M Co., Inc. Ohio L&M Co.

Cox-Huff Trust #1 Hartley #7

Benson Sandstone - 3843 - 3880

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## **GEOLOGY:**

Sample analysis indicated very good sandstone development in the Benson; fair development in the Riley, Gordon and Weir; and excellent development in the Big Lime. An excellent show of gas was encountered in a sandstone developed within the Big Lime. Small shows of gas were noted in the Weir and Benson. Fair hydrocarbon fluorescence was encountered in the Benson.

Based upon the open hole logs, the Benson Sandstone at 5020 to 5030' appears to be well developed with good gas saturations. The Riley, Gordon and Weir showed fair development. The excellent gas show encountered at 2070' came from a high porosity sandstone developed within the Big Lime.

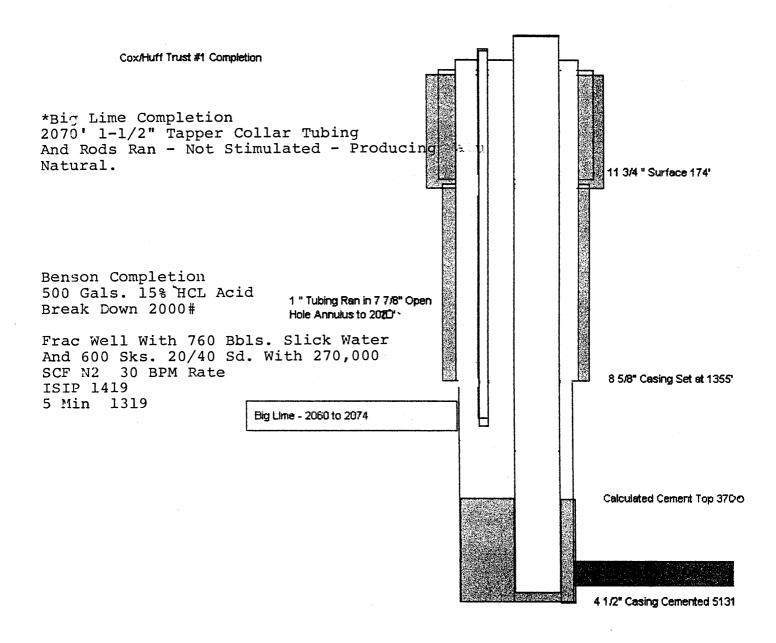
The Benson Sandstone should be very good producer of gas in this well. A completion attempt on the Riley, Gordon and Weir would also be warranted prior to abandonment. The Big Lime gas could be produced from the annulus between the 4 ½" and 8 5/8" casing.

Respectfully submitted,

NATIONAL MINERALS CORPORATION

By: Douglas L. Core, President

February 12, 2002.



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