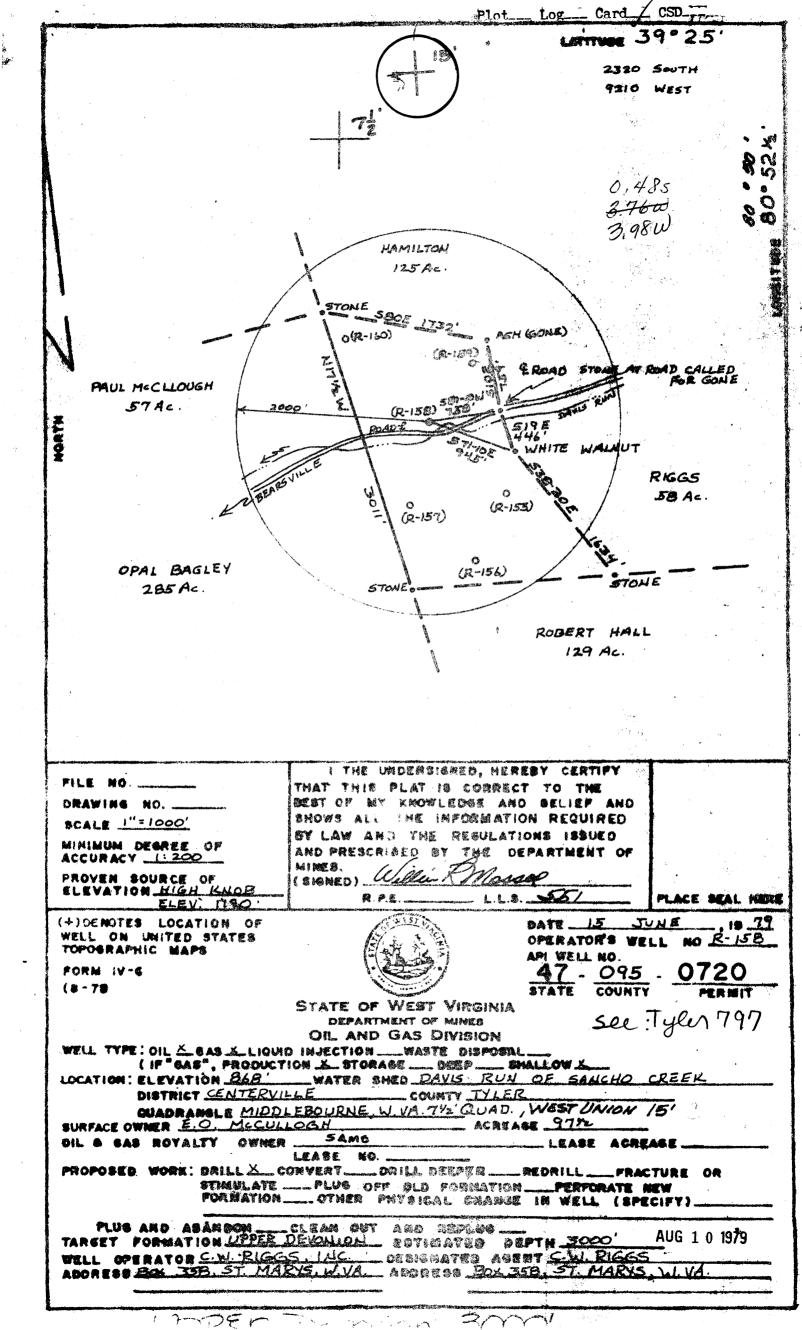
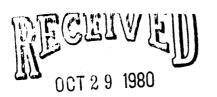


6-0 Bearsville (366)

MAY 29 1980





#### OIL & GAS DIVISION DEPT. OF MINES

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date:	10-28		192
Operator	5 M. M	0	1,-

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(Obve	200	1
CODVE	1.96	,

WELL OPERATOR'S REPORT 66

[08-78]	i	DRIL	LING FR	RACTUF	ING /	OF AND/OR STIMULA	TING, OR PHYS	API Wel	No. 47 - 095 Of State County Per
WELL TYPE:	011 <u>X</u>	_/ G	ias 🗴	/ L	iquid	Injection	/ Waste D	isposal/	
								Deep /	Shallew /)
LOCATION:	Elevati	lon:	868	71	W	atershed:	DAVIS RUI	J	
									DALEBOURNE
WELL OPERATO	R <u>C.</u>	w K	1995,	In	C -	n ein der der der Steller werden von der australiere	DESIGNATED AG	ENT SAME A	5 OPERATOR
Address	Bo	<u>х З</u>	<u>58</u>						•
PERMITTED WO	RK: Dr	·111 >	<u> </u>	nvert	-	/ Drill deep	er/ Red:	rill / Fra	cture or stinulate
							te new format		<del></del>
							)		
PERMIT ISSUE	ED ON _	4	-,2	l	, 19	80	OIL & GAS INS	SPECTOR FOR THI	S WORK:
(IF APPLICAE	BLE: P	LUGGIN	G OF DRY	r HOLE	E ON	J	, )	LIP IRAC	
			ION FROM PERMISSI						BOURNE IN L'A-
	<del></del>		<b>,</b> 19						,
GEOLOGICAL T	ARGET	FORMAT	ION:	le	PE R	1200	CAIL	Depth 2	981 feet
								Cable Tools	
						et; salt,	,		<del></del>
Coal se	am dep	ths: _	NI	9		Is coal be	eing mined in	the area? No	
Work wa	s comm	enced .	16	-/	<u> </u>	, 19 <u></u>	and completed	6-1	<u>4</u> , 19.87)
CASING AND T									
CASING OR	11	SPEC	IFICATIO			FOOTAGE	INTERVALS	CEMENT FILL-U	FACKERS
TUBING TYPE	Size	Grade	Weight per ft		Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor									Kinds
Fresh water	103/		32.75 <sup>#</sup>	X		3381	338′	1505Ks.	
Coal									Sizes
Intermediate									
Production	4-111		10.57	#X			2960'	2255KS	Depths set
Tubing									
Liners			·						Perforations:
									Top Botton
	<u> </u>								
	1								N.

OPEN FLOW DATA

Producing formation Pay zone depth 2796 Gas: Initial open flow, 22\_\_Mcf/d Oil: Initial open flow,

Final open flow, \_\_\_\_\_\_\_Mcf/d Final open flow, **船沙25 1980** 

Time of open flow between initial and final tests, 2 hours Static rock pressure, 600 psig (surface measurement) after 27 hours shut in [If applicable due to multiple completion--] > SINGLE

[08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

7 shots .50 CALIBER 2632'-2638' 12 " " 2776'-2789'

STIMULATION 1200 BBL H20, 60,000#20-40 SAND, 133,000SCF N

WELL LOG

FORMATION	Color	llard or Soft	46 Top Feet	Bottom Feet	Including indication of all fresh
Con Run				1234	and salt water, coal, oil and gas
1ST SACT			i	1280	
2ND SALT			1420	1448	
MAXON			1584	1626	
KEENER			1646	1660	
INJUN			1700	1958	
Squaw			1980	200/	
WEIR			2186	2208	
WELCH STRAY		d	2260	2234	
BEREA.		6	350	2364	
50'		c>	2536	2564	
30'		0	2628	2642	GMS
GORDON			1		GAS
5+L SAND		á	1880 3	2890	

(Attach separate sheets to complete as necessary)

Well Operator 1995 Tw

By Soln lox

Its \_\_/

NOTE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geologial record of all formations, including coal, encountered in the drilling of a well."

TO THE DEPARTMENT OF MINES,





### Oil and Gas Division

OIL & GAS DIVISION DEPT. OF MINES

### OIL AND GAS WELL PERMIT APPLICATION

Charleston, W. Va.	<b>DATE</b> 4-3-80					
Surface Owner E. O. McCullough						
Address Bearsville, W. Va.						
Mineral Owner E. O. McCullough						
Address Bearsville, W. Va.	Farm E. O. McCullough Acres 97  Location (waters) Davis Run	1%				
Coal Owner E. O. McCullough	5 450	0601				
Address Bearsville W Va	District Centerville County T	868'				
Coal Operator None	District Centerville County T	'yler				
Address	Quadrangle Middlebourne, W. Va.					
HIS PERMIT MUST BE POSTED AT THE WELL SITE						
Il provisions being in accordance with Chapter 22,						
f the W. Va. Code, the location is hereby approved	INSPECTOR					
or <u>drilling</u> . This permit shall expire if	TO BE NOTIFIED Phillip Tracy					
perations have not commenced by 12-23-80						
Total to loss Gran Division	ADDRESS Middlebourne, W. Va.					
Deputy Director - Off & Gas Division	PHONE 758-4573					
GENTLEMEN:	pon the above named farm or tract of land for oil and gas, h					
19_79 in County, Book21	Page 431					
OIL AND CAS WITH A DESPER	RREDRILLFRACTURE OR STIM	ULATE				
OIL AND GAS WELL ORIGINALLY DRI	RILLED BEFORE JUNE 5, 1969.					
The above named coal owners and/or operator are he to make by Section 3 of the Code, must be received by Copies of this notice and the enclosed plat were mailed	rineer or licensed land surveyor and all coal owners and/or of the surveyor and all coal owners and/or of the surveyor notified that any objection they wish to make, or are y, or filed with the Department of Mines within ten (10) day illed by registered mail, or delivered to the above named coal of the Department of Mines at Charleston West Virginia	required /s. *				
·	Very truly yours.					
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name) 6. W. R. 1965					
OBOTHIOTORE LOGS DIRECTLI IU:	Well Operator	<del></del>				
WEST VIRGINIA GEOLOGICAL AND	<u>Box_</u> 358					
P. O. BOX 879	Address Street	<del></del>				
	Il Operator St. Marys					
AC-304 - 292-6331	City of Town					
	W. Va.					

\*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

(Formerly: <u>TYL-720</u>)

47**–**095**–**0797 \_PERMIT NUMBER

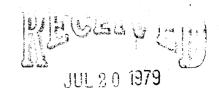
## THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

		DOB! BIN	FRACTURE-STIMULATE
DRILLING CONTRACTOR: (If NAME Haught Dril:		RESPONSIBLE AGI	ENT:
Manual Maddit Dill	ring	NAME C. W.	Riggs, Inc.
ADDRESS Smithville	e. W. Va.		arys, W. Va.
<b>TELEPHONE</b> 477-3333		- TELEPHONE	±-39/4
ESTIMATED DEPTH OF COMPI	LETED WELL: 3000'		CABLE TOOLS
PROPOSED GEOLOGICAL FOR	MATION: Upper Devo	nian (fordon?)	CABLE TOOLS
TYPE OF WELL: OIL	GAS	COMP Y	
· -	2200	STOR	AGE DISPOSAL
	KECYC	LING WATER	FLOOD OTHER
TENTATIVE CASING PROGRAM		•	
CASING AND TUBING	USED FOR	LILT IN	
SIZE	DRILLING	LEFT IN WILL	CIMINETHI UP
0 - 16			OR SACKS CUBIC LI
3 · 10	,	-	
- 5/8			
-5/H 2501		250'	Comont
			cement top-botto
1/2			
1/2		3000'	200 sks.
			Pert. Top
net.			Peri. Bottom
			Perf. Top
			Perf. Bottom
DRILL:	AILEA: 110	BY WHOM?	
DRILL:	AILEA: 110	BY WHOM?	
DRILL:	AILEA: 110	BY WHOM?	
DRILL: SUBMIT FIVE (5) COPIES O OF PLAT.	OF OG - 1, \$100.00 PERMI	BY WHOM?	
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Official Title

OG - 1 Rev - 71





STATE OF WEST VIRGINI

DEPARTMENT OF MINES

O". & GAS DIVISION DEPT. OF MINES

# Oil and Gas Division OIL AND GAS WELL PERMIT APPLICATION

THE DEPARTMENT OF MINES,		
Charleston, W. Va.	DATE 7-6-79	
Surface Owner E.O. McCullough		Inc.
Address Bearsville W Va	De 250 Gt W	
Mineral Owner E.O. McCullough	Address Box 358, St. Ma	irys, w. va.
TO TO TITLE WOOD		
Coal Owner E.O. McCullough Address Bearsville, W.Va.	Well No. R-158	Elevation 868
Address Bearsville, W. Va.  Coal Operator None  Address		
		)
HIS PERMIT MUST BE POSTED AT THE WELL SITE		
All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved		
or drilling . This permit shall expire if	INSPECTOR TO BE NOTIFIED Phillip T	
perations have not commenced by 3-23-80	ADDRESS Middlebourne,	
Deputy Director - Oil & Gas Division	PHONE 758-4573	
GENTLEMEN:		and the second s
		· · · · · · · · · · · · · · · · · · ·
The undersigned well operator is entitled to drill updatitle thereto, (or as the case may be) under grant for h	n the above named farm or tract of land	for oil and gas basis a
title thereto, (or as the case may be) under grant or leccullough made to Loren Bagle	ase dated June 6 1979	by a see, making to
cCullough made to Loren Bagle 1979, in Tyler County, Book 219	and recorded on the 22	nd day of June
X NEW WELL DRILL DEFEND		
OIL AND GAS WELL ORIGINALLY DRI	LED BEFORE JUNE 5 1960	TURE OR STIMULATE
The enclosed plat was prepared by a registered engine nave been notified as of the above date.	er or licensed land surveyor and all coal	owners and/or operators
The above named coal owners and/or operator are here make by Section 3 of the Code, must be received by, Copies of this notice and the enclosed plot was	by notified that any objection they wish	to make, or are required
Copies of this notice and the enclosed plat were mailed	by registered mail. Or delivered to the above	nun ten (10) daya. *
ame day with the mailing or delivery of this copy to the	Department of Mines at Charleston, West	before, or on the Virginia.
LEASE SUBMIT COPIES OF ALL	Very truly yours,	
EOPHYSICAL LOGS DIRECTLY TO:	(Sign Name) Ch. Rogs	en were grown in the second
	Well Operator	
EST_VIRGINIA GEOLOGICAL AND	dress Box 358	
. O. BOX 879	Street	
. O. BOX 879		
. O. BOX 879 ORGANTOWN, WEST VIRGINIA 26505 Well (	perator St. Marys  Cay or Town	
. O. BOX 879 Organtown, west virginia 26505 Wello	perator St. Marys	

\*SECTION 3.... It no objections are filed or found by the Department of mines, within said period of ten days from the receipt of tice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved the well operator authorized to proceed.

STAMME! SOMO

47-095-0720 PERMIT NUMBER

### THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK	00000	<b>50</b>	nntt t	DEEDEN .	FRACTURE STIMULATE
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	<u>.</u>		NO	James Bi Wilding	
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