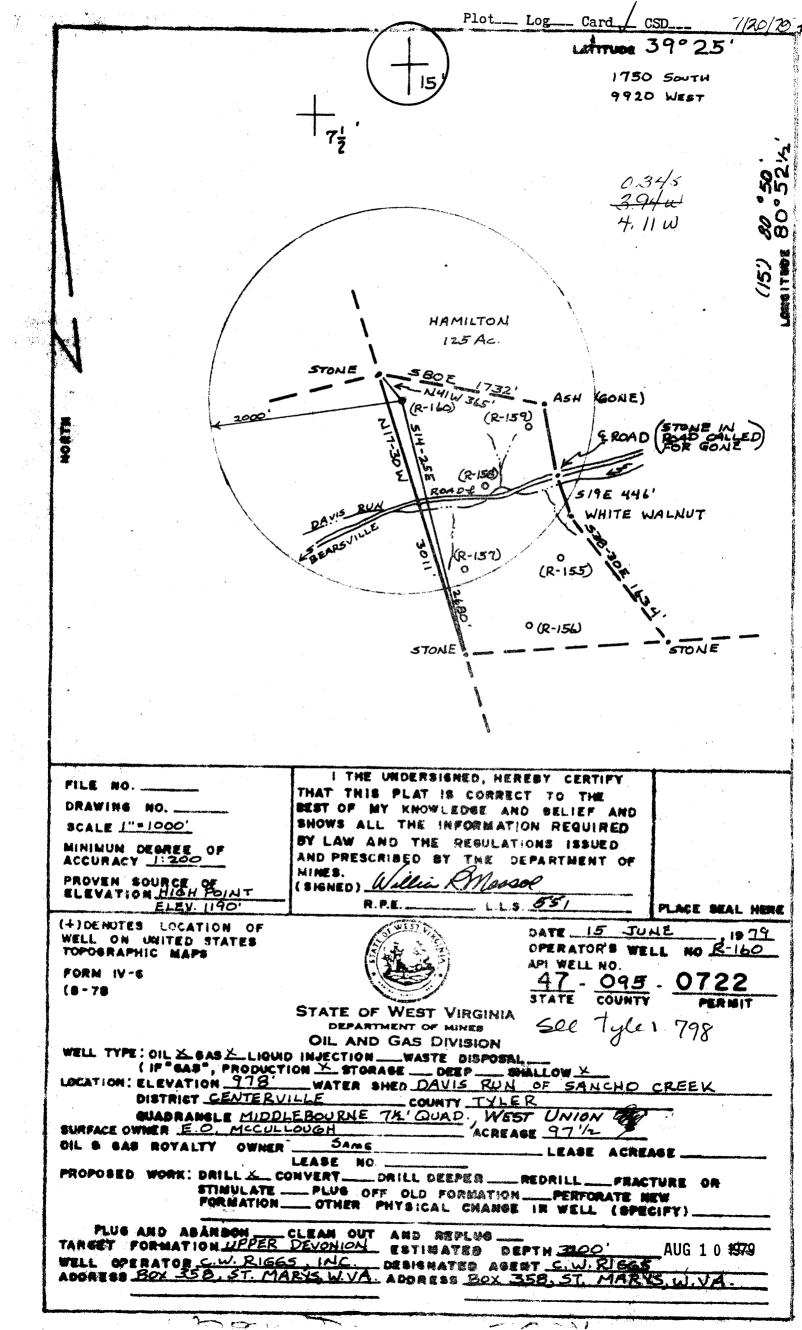


MAY 29 1980





WR-35



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

State of Mest Birginia

DEPARTMENT OF ENERGY
Oil und Gas Bivision

Date September 8, 1989
Operator's
Well No. R160 E.O. McCullough
Farm E.O. McCullough
API No. 47 - 095 - 0798-dd

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 978 gl Watershed	Davis Ru	n		
District: Centrevill County Tyl	ler	Quadrangle	e_ Middl	ebourne
		•		, ·-
COMPANY Sancho Oil And Gas Corpana	; O .			
ADDRESS 210 Second Street, St. Marys, WVa			 	
DESIGNATED AGENT Loren E. Bagley	¹ Casing	Used in	Left	Cement fill up
ADDRESS Rt 1 Middlebourne, WVa.	Tubing	Drilling	in Well	Cu. ft.
SURFACE OWNER Paul McCullough	Size 20-16			-
ADDRESS Bearsville, West Virginia	Cond.			
MINERAL RIGHTS OWNER Paul McCullough	13-10"	250	250	125 sks
ADDRESS Bearsville, West Virginia	9 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK	8 5/8			ļ
Glen Robinsoaddress Mineral Wells	7			
PERMIT ISSUED 7, 6, 89	5 1/2			
DRILLING COMMENCED July 6, 1989	4 1/2	3030	3030	230 sks
DRILLING COMPLETED July 12, 1989	3			ļ
DRILLILING CAMPLETED	2 7/8	5081	5081	55 sks
	2 1/0	7001	7001	77 383
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used	7001	7001	77 383
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CN	Liners used			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CN GEOLOGICAL TARGET FORMATION Chemung Form	Liners used	Dept	h 5000	feet
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON Chemung Form Depth of completed well 5105 feet	Liners used nation Rotary XXX	Dept/ Cable	h 5000	feet
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON COMPLETE TORMATION Chemung Form Depth of completed well 5105 feet Water strata depth: Fresh 100 feet;	Liners used nation Rotary XXX Salt 120	Dept/ Cable 0 feet	th 50000	feet
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON Chemung Form Depth of completed well 5105 feet	Liners used nation Rotary XXX Salt 120	Dept/ Cable 0 feet	th 50000	feet
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON Chemung Form Depth of completed well 5105 feet Water strata depth: Fresh 100 feet; Coal seam depths: none	Liners used nation Rotary XXX Salt 120	Dept/ Cable 0 feet	th 50000	feet
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED UN GEOLOGICAL TARGET FORMATION Chemung Form Depth of completed well 5105 feet Water strata depth: Fresh 100 feet; Coal seam depths: none OPEN FLOW DATA Producing formation Chemung	Liners used nation Rotary XXX Salt 120 Is coal	Dept/ Cable O feet being mine	th 50000 e Tools ed in the	feet area?_no
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON Chemung Form Depth of completed well 5105 feet Water strata depth: Fresh 100 feet; Coal seam depths: none	Liners used nation Rotary XXX Salt 120 Is coal	Dept/ Cable O feet being mine	th 50000 e Tools ed in the	feet area?_no
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CHEMORKING. TARGET FORMATION Chemung Form Depth of completed well 5105 feet Water strata depth: Fresh 100 feet; Coal seam depths: none OPEN FLOW DATA Producing formation Chemung	Liners used Rotary XXX Salt 120 Is coal 1	Dept/ Cable Ofeet being mine zone dept tial open	th 5000° e Tools ed in the th 4538-flow 0	feet area?_no -4911_feet Bbl/d
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED UN GEOLOGICAL TARGET FORMATION Chemung Form Depth of completed well 5105 feet Water strata depth: Fresh 100 feet; Coal seam depths: none OPEN FLOW DATA Producing formation Chemung Gas: Initial open flow 25 Mcf/d	Liners used nation Rotary XXX Salt 120 Is coal 1 Pay Oil: Ini Fin	Dept	th 5000 Tools ed in the th 4538- flow 0	feet area?_no -4911_feet _Bbl/d _Bbl/d
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON Chemung Form Depth of completed well 5105 feet Water strata depth: Fresh 100 feet; Coal seam depths: none OPEN FLOW DATA Producing formation Chemung Gas: Initial open flow 25 Mcf/d Final open flow 25 Mcf/d	Liners used nation Rotary XXX Salt 120 Is coal 1 Pay Oil: Ini Fin tial and fi	Dept / Cable O feet being mine zone dept tial open al open final tests	th 5000 to the th 4538-flow 0 low 0 48 ho	feet area?_no -4911 feet Bbl/d Bbl/d
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON Chemung Form Depth of completed well 5105 feet Water strata depth: Fresh 100 feet; Coal seam depths: none OPEN FLOW DATA Producing formation Chemung Gas: Initial open flow 25 Mcf/d Final open flow 25 Mcf/d Time of open flow between init Static rock pressure 600 psig(surface) (If applicable due to multiple completion)	Liners used nation Rotary XXX Salt 120 Is coal Pay Oil: Ini Fin tial and fin ce measurem n)	Dept / Cable O feet being mine zone dept tial open al open final tests ent) after	th 5000° e Tools ed in the th 4538- flow 0 low 0 48 ho	feet area?_no 4911 feet Bbl/d Bbl/d urs rs shut in SEP 15
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CON CECOLOGICAL TARGET FORMATION Chemung Form Depth of completed well 5105 feet Water strata depth: Fresh 100 feet; Coal seam depths: none OPEN FLOW DATA Producing formation Chemung Gas: Initial open flow 25 Mcf/d Final open flow 25 Mcf/d Time of open flow between initiation of the completion of th	Liners used nation Rotary XXX Salt 120 Is coal Pay Oil: Ini Fin tial and fin ce measurem n) Pay	Dept / Cable O feet being mine zone dept tial open final tests ent) after zone dept	th 5000 th 5000 th 5000 th 4538- flow 0 low 0 48 hour 72 hour th	feet area?_no 4911 feet Bbl/d Bbl/d urs rs shut in SEP 15 feet
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON Chemung Form Depth of completed well 5105 feet Water strata depth: Fresh 100 feet; Coal seam depths: none OPEN FLOW DATA Producing formation Chemung Gas: Initial open flow 25 Mcf/d Time of open flow between initiation open flow between initiation open flow between initiation flow open flow between initiation flow open flow Mcf/d	Liners used nation Rotary XXX Salt 120 Is coal Pay Oil: Ini Fin tial and fin ce measurem n) Pay Oil: Ini	Dept / Cable / Cable / Feet being mine zone dept tial open al open final tests ent) after zone dept tial open	th 5000 to the th 4538- flow 0 low 0 48 hor 72 hour th flow flow	feet area?_no -4911 feet _Bbl/d _Bbl/d SEP 15 _feet _Bbl/d
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON Chemung Form Depth of completed well 5105 feet Water strata depth: Fresh 100 feet; Coal seam depths: none OPEN FLOW DATA Producing formation Chemung Gas: Initial open flow 25 Mcf/d Final open flow 25 Mcf/d Time of open flow between initiating the strate of open flow paig (surface) (If applicable due to multiple completion Second producing formation none	Liners used nation Rotary XXX Salt 120 Is coal Pay Oil: Ini Fin tial and fin ce measurem n) Pay Oil: Ini	Dept / Cable / Cable / Feet being mine zone dept tial open al open final tests ent) after zone dept tial open	th 5000 to the th 4538- flow 0 low 0 48 hor 72 hour th flow flow	feet area?_no -4911 feet Bbl/d Bbl/d wrs rs shut in SEP 15 feet Bbl/d

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

perforated from 4538 to 4911 with 9 shots acidized with 500 gallons 15% HCl frac'd with 700,000 scf N_2 at 30,000 scf/minute

WELL LOG

	·		REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fres
entre de la companya	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		and salt water, coal, oil and ga
A the Automotive State of the S	T. (
unconsolidated clay & gravel	0	60'	
sandstone	60	100'	fresh water
shale & siltstone	1862'	2090'	trace ros
Big Injun Sandstone Squaw Sand	2090'	2105'	trace gas
Cuyahoga Sahle	2105	2440'	
Sunbury Shale Berea Sandstone	2440' 2448'	2448' 2450	
Ohfio Shale (top)	2460'	•	D) S(C) EI (W) S IN
Gordon	2807	2875	MU
Chemung Formation TD	4538'	4911 ' 5105 '	SEP 12 1989
			DIVISION OF OIL & GAS
DE			DEPARTMENT OF ENERGY
new TO SIOS	.4.	I	
0(17) 3039			
new ftg. 1966			
	q = K		
	e eggs e		
1	100 - 7.	1	
en e			
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	1		
	•	~ \	▼

(Attach separate sheets as necessary)

	ancho 0:		.nd Ga	s	Corp	 SEP 1	1000	
₩e	ell Opera	tor				T.	1989	
By:	Puk	Br	sun_					
Date:	Sept	9,	1989					
_						 		

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including of a well."



[If applicable due to multiple completion--]

(Obver	rse)	OEP.	& GAS ☐ T. □P	OIVISIO		ATE OF WEST NOT MINES, OII	VIRGINIA L AND GAS DIVI		10-28-, 1
[08-78	۰ ر 5	DRII	LING. F	RACTU		OF	LATING, OR PHY	API Wel	No. <u>47 - 095 - D'State County Pe</u>
			-				<u> </u>	STORE CHANGE	State County Pe
WELL TYPE:	011 <u>X</u>		Gas X	_/	Liqui	d Injection_	/ Waste	Disposal/	
	(If "G	as", P	roductio	on	1	Underground	storace /	Dealt /	Shallow/)
LOCATION:	Elevat	10n: _	710	,,,,		Watershed:	DAVIS R	MN	
	DISCH1		NIEK	<u> </u>	.	county: 19	LEK	Quadrangle: M	IDDLE BOURNE
WELL OPERATO	$\frac{C}{C}$	<u>₩.1°</u>	TIGGS,	1	NC.		DESIGNATED A	GENT SAME	A. OPERATOR
Address	$\frac{1}{2}$	<u>х Э</u>	<u> </u>				Address		
	<i>≥</i> T	IVIAR	XX5,	\mathcal{W}	V A				
PERMITTED WO	RK: D	rill ,	// cc	nvert	;	/ Drill dee	per / Red	inili / m	nacture or stimulate
	P	ug of:	r old fo	ormat;	lon	- / Perfor	ate new forma	tion /	miciarm or stimulate
								CTOII/	
		·	·		,	, , , , , , , , , , , , , , , , , , ,	<i>J</i> ,		
PERMIT ISSU	ED ON	1_	-2)		Σ ₀			
		•				10		SPECTOR FOR TH	
(IF APPLICATION CONTINUE PRIMARY)	UOUS PR	OGRESS	ION FROM	M DRI	LLING	OR		LLIP TR	
			PERMISS:	TON O	BT A I N	ED	Address	MIDDLER	OURNE, W.VR.
GEOLOGICAL I	DA DCEM	EO DM A FD	_, 19 <u></u>						_
Denth	r wunder	loted		4 6 6	<u> </u>	DE VON	IAN	Depth	3039 1005
bepun (or comp	ieced :	well,	د در	<u>></u> 7_	feet Ro 	tary/	Cable Tools	
water :	strata	aeptn:	rresn,	1.4	K }-fe	et; salt,	NA reet.	n. 1	_
Work w	eam dep		- 17	114		Is coal b	eing mined in	the area? N	<u>0</u> 1 , 19 80
MOLK MS	as comm	encea .	ع		4		and complete	d 6- 10	<u>1</u>
CASING AND 1	TUBING	PROGRA	M			• •			
CASING OR			IFICATIO			FOOTAGE	INTERVALS	CEMENT FILL-	FACKERS
TUBING TYPE	Size	Grade	Weight per ft	New	Used			OR SACKS (Cubic feet)	A ACRES
Conductor								(odbic fees	
Fresh water	103"		32.25	* X		2501	250'	125 sks	Kinds
Coal	74							120 JK3	
Intermediate									Sizes
Production	4/2		10.5#	X			3030'	230sks.	
Tubing	2						3030	CASUSAS.	Depths set
Liners									Farcassa
									Perforations:
									Top Botton
ODEN BLOW DA								Д	
OPEN FLOW DA	TA					C			h 2884' fint
rroduci:	ng torm	aulon Histori		ر ر در چ	<u>رح</u> د ۸	PRON JR	9 4	Pay zone dept	h 284 run
ua:	5. III	ciai o	pen 110	۳, ــــــ		Mc1/d	011: Initial	open flow,	<u>O</u> 861/4
	rin							pen flow, _	
St	nt.fo ro	ck bre	ssure	40	0 # 0 #	meen initial La ele (eunfooo	and ilmai tes	ts, 2 hour	s urs shul inav 25 198 ()
50		ar his	- cource		<u> </u>	ere /entrace	measurement)	acter 🕢 🖊 🗼 ho	urs shulled the large of the la

[08-78]

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

4 Shots .50 Caliber 2775'- 78'

2807'- 2811' 2869'-84'

STIMULATION

1200 BBL H20, 60,000 # 20-40 SAND, 150,000 SCF N2

WELL LOG

FORMATION	Color	llard or Soft	27 Top Feet	Bottom Feet	Including indication of all fresh
Cow Run			1272	1320	and salt water, coal, oil and gas
1ST SALT			1332	1384	
2ND SALT			1444	1	
3RD SALT			1520	1550	
MAXON			1680	1720	
KEENER			1750	1784	•
INJUN			1862	2071	
Squaw			2610	2110	
WEIR			2276	2308	
WELCH STRAY			2334	2378	
BEREA			2448	2453	
50'			2665	2690	
30'			2767	2778	Gre
GORDON			2862	2886	GAS
5th SAND].	2968	2976	
4+16 SAND			3022	3030	
		(Atta	ich separats	sheets to	complete as necessary)

NOTE: Regulation 2.02(i) provides as

"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."

Page 1 of _____ Form WW2-A (09/87) File Copy



Date: April 11, 1989
Operator's well number
R160

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY R160

API Well No: 47 - 095 - 0798 -DD

State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4)	Surface Owner(s) to be served:	5) (a) Coal Operator:
	(a) Name Paul McCullough	Namenone
	Address <u>Rt Box 100</u>	Address
	Middlebourne, W.Va. 26149	
	(b) Name	(b) Coal Owner(s) with Declaration
	Address	Name /
		Address
	(c) Name	
	Address	Name
		Address
6)	Inspector Glen Robinson	(c) Coal Lessee with Declaration
•	Address Rt 1, Mt. Pleasant Estate	
	Mineral Wells, W.Va.	Name <u>none</u>
	Telephone (304)489-9162	Address
	1616phone (304) - 409-9162	
	TO THE PERSON(S) NAMED AB	OVE TAKE NOTICE MUAD.
	TO THE TERSON(E) WANTED AD	OVE TARE NOTICE THAT:
	Included is the lease or leases or	other continuing contract or
conti	cacts by which I hold the right to	extract oil and gas OP
Y	Included is the information requir	ed by Chanter 22B Article 1
Sect	ion 8(d) of the Code of West Virgin	in (see and 2)
	T cortify that as required and a	la (see page 2)
T has	in certify that as required under C	hapter 22B of the West Virginia Code
I nav	ve served copies of this notice and	application, a location plat, and
accor	mpanying documents pages 1 through	5 on the above named parties, by:
	Personal Service (Affidavit a	ttached)
	_xx Certified Mail (Postmarked po	stal receipt attached)
	Publication (Notice of Public	ation attached)
	I have read and understand Chapter	22B and 38 CSR 11-18, and I agree
to th	he terms and conditions of any perm	it issued under this application
	I certify under penalty of law that	t I have personally examined and am
famil	lar with the information submitted	on this application form and all
allac	inments, and that based on my inqui-	rv of those individuals immediatel.
respo	onsible for obtaining the information	On. I helieve that the information
is tr	ue, accurate, and complete.	on, I believe that the infolmation
	I am aware that there are signification	ant penalties for submitting falls
infor	mation, including the possibility	of fine and immission
	Well Operator	Sancho Oil And Gas Corporation
	-	
	By: Loren E. Bag	ley Joseph Boyley
	Its:P <u>resident</u> Address210 Se	
		cond Street West Virginia 26170
	— • • • • • • • • • • • • • • • • • • •	<u>West Virginia 26170</u> .)684-7170
Subsc	ribed and sworn before me this q_{D}	
	1. 1.	day of 1 cene , 1989
	& rengla.	Notary Public.
му со	ommission expires furmay 11, 19	991
	j · ·	· ·

FORM WW-2B

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

		MELL M	ORK PERMIT	APPLICATION	N	•
1) Well (perator:_	Sanc	ho Gl and G	as Corporation	44005,1	470
					•	/ levation: <u>978</u> g1
			or Ga:			
	(b)	If Gas:		n <u>xx</u> / Underg	round Stora	ge/
F.\		_		?/ 신동:	Shall	
				emung Group of	the Ohio Sha	le
		-	5200'			*
7) Approx	ima b e fres	sh water :	strata depi	hs: 100		
8) Approx	imate salt	water d	epths:	1200	·*.	
9) Approx	imate coal	seam de	pths:	none		
10) Does l	and contai	n coal s	eams tribut	ary to acti	ve mine?	es/ No_xx_/
ll) Propos	ed Well Wo		• . •			
12)			en existing w		n W	4
				NG PROGRAM	Spill I	Cheper
You Will	<u>s</u>	PECIFICA	TIONS	FOOTAGE IN	ITERVALS	CEMENT
710	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up
Conductor	103/		30.25	urriring	250	(cu. ft.)
Fresh Water					- 0 2	
Coal						120Sh 1
Intermediat	e 4½"	J55	10½#	3039	3039	@900' g1
Production	2 7/8"	J55	6.5	5200	5200	38CSR18-11.1
Tubing						
iners						किन्द्रिकार्श
ACKERS : K	ind				N BU	N D V LE
	izes epths set				NUL 20	21 1989
dt,	F	Ør, Divisc	on of Oil a	nd Gas Use	DIVISION	OF OIL & GAS
H Fee(s)	paid:	22	ork Permit	(-11)	amation Fun	(4)
MPlat (WW-9	Ww.	\mathcal{A}	ond The	and clon Full	Agent
7	, J			II) A	72 Jall/	Agent





Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEP	PARTMENT OF MINES,					
Char	leston, W. Va.		DATE	4-3- 80		
Surface Owner_	E. O. McCullou	ugh	Company	C. W	. Riggs,	Inc.
	Bearsville, W					s. W. Va.
Mineral Owner_	E. O. McCullou	ıgh			Cull o ugh	
Address	Bearsville, W.	Va				Acres 973
Coal Owner	E. O. McCullou	gh	Location	D 4CA	Davis Run	978'
Address	Bearsville, W.	Va.			ille	Elevation
Coal Operator_	Mana			- Midd	lobourne	County Tyler
Address			Quadrang	ieiiLdd	Tenoutue	
THIS PERMIT	MUST BE POSTED AT	THE WELL SITE				
All provisions of the W. Va	being in accordance was Code, the location is h	commission				
fordrill	ing . This perm	or the toked	INSPECTOR	FIFT DL:	J	
operations have	not commenced by 12	an andii expire if	TO BE NOTE	FIED Phi	1 Tracy	
Tobert	T Was	-23-60 · A	ADDRESS	Middl	ebourne,	w. Va.
Deputy Dire	ector - Oil & Gas Division		PHONE 7 5	8-4573		
GENTLEMEN:						
	and well operator is anti-	lad da 1 m	_			
title thereto (or	ned well operator is entit	ied to ariii upon th	e above name	d farm or trac	t of land for of	l and gas, having f
McCullough	as the case may be) un	der grant or lease	dated	une 6	19 <u></u> 9 by	, <u>Paul & Mai</u>
79 :- T	made to <u>Lorer</u>	Bagley	and 1	recorded on th	ne _22nd	_ day ofTill
	County					
NE	EW WELLD	RILL DEEPER	RED	RILL	FRACTURE	OR STIMULATE
011	L AND GAS WELL ORIG	GINALLY DRILLE	D BEFORE J	UNE 5, 1969.		ou or mount
The enclosed nave been notifie	plat was prepared by a sed as of the above date.	registered engineer (or licensed lar	nd surveyor an	nd all coal own	
The above na o make by Secti	med coal owners and/or of ion 3 of the Code, must	operator are hereby be received by, or f	notified that liled with the	any objection Department of	they wish to m	ake, or are require en (10) dava. *
Copies of this or coal owners a	notice and the enclosed at their above shown resp ne mailing or delivery of	plat were mailed by sective address	registered ma	nil, or delivered	to the above n	amed coal operator
	T COPIES OF ALL LOGS DIRECTLY TO:		Very truly yo	E. W Nig) e) Operator	
EST VIRGINI CONOMIC SUR	A GEOLOGICAL AND	Addres		Box 358		
. O. BOX 87		of			Street	•
	WEST VIRGINIA 265	05 Well Opera	ator	St. Mary	S or Town	
	- 			W. Va.		
					State	

*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.

(Formerly: TYL-722)

BLANKET BOND

47–095–0798 **PERMIT NUMBER**

THIS IS AN ESTERATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION.

DRILLING CONTRACTOR: (If	Mnown)	RESPONSIBLE ACE	FRACTURE-STIMULATE			
NAME Haught Drillin	g	RESPONSIBLE AGENT NAME C. W. Riggs, Inc.				
ADDRESS Smithville,	W. Va.	ADDEDGE GL	riggs, inc.			
TELEPHONE477-3333			rys, W. Va. 584-3974			
ESTIMATED DEPTH OF COMPI	LETED WELL 3200		The state of the s			
PROPOSED GEOLOGICAL FOR	MATION: Unner Down	minn A do	CABLE TOOLS			
TYPE OF WELL: OIL	CAC	arran Gorden				
015_	UAB	COMBX_ STORAG	GE DISPOSAL			
	RECYC	LING WATER F	LOOD OTHER			
TENTATIVE CASING PROGRAM	1 :	•	•			
CASING AND TUBING	USED FOR	LI ! T IN				
SIZE	DRILLING	WILL	OR SACKS CUBIC EL			
0 - 16 3 - 10			W SACKS CORE !			
	,					
- 5/R 250 °		250'	Cement top-botto			
- 3/6						
1/2						
1/2						
		3200'	200 sks.			
			Pert. Lop			
ncr.			Perf Bottom			
			- Pert Top			
			Pert Bottom			
PROXIMATE COAL DEPTHS _ COAL BEING MINED IN THE	AREA? no	BY WHOM?				
DRILL						
SUBMIT FIVE (5) COPIES O OF PLAT.	PF OG 1, \$100.00 PERMI		OND AND PERMANENT COP			
SUBMIT FIVE (5) COPIES OF PLAT. DRILL DEEPER OR REDRILL	PF OG 1, \$100.00 PERMI	T FEE, PERFORMANCE B	OND AND PERMANENT COP			
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Official Title



J H

OG - 1 Rev. - 71



DEPARTMENT OF MINES

OIL & GAS DIVISION OF MINES

331

Oil and Gas Division

OLL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,	*1		3 37	
Charleston, W. Va.	DA	те 7-6-79		
Surface Owner E.O. McCullough	Co.	npany C.W. Ric	ggs,Inc.	
Address Bearsville, W. Va.		ireas Box 358, St		•
Mineral Owner E.O. McCullough		m E.O. McC		
Address Bearsville, W. Va.	Lon	ution (mintons) Day	/is Run →	O Company
Coal Owner E.O. McCullough	Wel	No. R-160	Elevat	ion 9781
Address Bearsville, W. Va.				y Tyler
Coal Operator None	Qua	drangle <u>Middlel</u>	oourne	
Address	The state of the s			
THE DEDAME AMEET BE DOCTED AT THE MATHE CIT	rc		() () () () () () () () () ()	
THIS PERMIT MUST BE POSTED AT THE WELL SIT	! C		₩	
All provisions being in accordance with Chapter 22	2. TNORTO	mon		
of the W. Va. Code, the location is hereby approve	THOLEC	rok NoTIFIED <u>Phi</u> :	llin Trady	
for drilling. This permit shall expire	if	FIII.	TITO IT GOY	
operations have not commenced by 3-23-80	ADDRES	S <u>Middlebour</u>	ne.W.Va.	
operations have not commenced by	¹ PHONE	758-4573	, Sei	
There of the	THOME.	/58=45/1	, manag	
GEN Deput Prector - Cit & Gas Division			សម្តិ	
The undersigned well operator is entitled to drill	upon the above	named farm or tract	of land for oil and a	as, having fee
itle thereto, (or as the case may be) under grant or	r lease dated	June 6	19_79 by Pa	ul & Mary
McCullough made to Toron to	71 677	and managed and the	22nd day	of Tune
9 79 in Tyler County, Book	2 1 9 Pa	ge 431	3 1	
X NEW WELL DRILL DEEPE				
OIL AND GAS WELL ORIGINALLY D	DUIED PERO	DE UNE -	FRACTURE OR	TIMULATE
Wall of the wall of the transfer of	WILLED BELO	KE JUNE 5, 1969.	print.	
The enclosed plat was prepared by a registered en	igineer or licens	ed land surveyor and	all coal owners and	/or operators
above date.		•	(1 € 1 24	
The above named coal owners and/or operator are	hereby notified	that any objection th	ev wish to make or	are required
onde, must be received	by, or med with	the Department of M	lines within ten (10) days. *
Copies of this notice and the enclosed plat were mi	ailed by register	ed mail, or delivered t	o the above named c	oal operators
or coal owners at their above shown respective addressme day with the mailing or delivery of this copy to	ena.	don	7.7	
	one Department	or milies at Cuallesto	on. West Virginia:	
				्रेटन्द्र ः अ
		ily yours,		
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	Very tr	ally yours, well Box 358	God S	
LEASE SUBMIT COPIES OF ALL EOPHYSICAL LOGS DIRECTLY TO: EST VIRGINIA GEOLOGICAL AND CANONIC SHRVEY O. BOX 879	Very tr (Sign No Address of	me) Weil Box 358	GGS Operator	37.77. \$4
LEASE SUBMIT COPIES OF ALL EOPHYSICAL LOGS DIRECTLY TO: EST VIRGINIA GEOLOGICAL AND CHRONIC SHRUE COLOGICAL AND C	Very tr (Sign No Address	ally yours, well Box 358	GGS Operator	
LEASE SUBMIT COPIES OF ALL EOPHYSICAL LOGS DIRECTLY TO: EST VIRGINIA GEOLOGICAL AND CANONIC SHRVEY O. BOX 879	Very tr (Sign No Address of	Box 358	GGS Operator	
LEASE SUBMIT COPIES OF ALL EOPHYSICAL LOGS DIRECTLY TO: EST VIRGINIA GEOLOGICAL AND HANGEL SHRUE O. BOX 879 ORGANTOWN, WEST VIRGINIA 26505	Very tr (Sign No Address of	Box 358 St. Mary	Operator S Town	

*SECTION 3..., If sposobjections are tiled 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.

PERMIT NUMBER

I BENE:

1307

47-095-0722

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

PROPOSED WORK ORDER TO	D X DRIL	L	DEEPEN	FRACTURE-STIM	H'LATE
DRILLING CONTRACTOR: (I	Known)		RESPONSIBLE AGEN	T :	
NAME Little Swiss D	rilling	h or standings, market	NAME C.W. Rig	gs,Inc.	
ADDRESS Buchannon, W.	Va.	-m	ADDRESS St. M	arys W.Va.	
TELEPHONE 472-6396	Market register () is a constant of the const		TELEPHONE 684-	3974	
ESTIMATED DEPTH OF COMP	LETED WELL 320	10.1	ROTARY	CABLE TOOL	\mathbf{s}
PROPOSED GEOLOGICAL FOR	MATION Upper D	evonia	n		
TYPE OF WELL: OIL	GAS	co	MB X STORAG	E DIS	POSAL
	R	RECYCLING	G WATER FE	.00D (
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DRILL DEEPER OR REDRIL	L;			***	
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Required forms must be filed four (24) hours in advance	within ninety (90) di	ays of com	pletion for bond release	Inenestes to be -	Adait. B. A
four (24) hours in advance.				suspector for the h	iorined twenty-
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The following waiver must be eof.	completed by the c	oal operato	or if the permit is to be	issued within ton	days of rooting
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We the	Coal Cor	npany have	no objections to said we	oll Baime dulled to	
providing operator has co	mplied with all rules a	ind regulati	ons in Articles 4, 5, and 7	Change drilled a	this location,
Code.	1		moles w, u, and /	, one puer 22 of th	e West Virginia
		*		·	
			lio	r Coal Company	
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				Official Title	