



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

FEB 2 2 1980

Oil and Gas Division WELL RECORD 87

Quadrangle MIDDLEBOURNE
Permit No. 47-095-07/L

OIL & GAS DIVISION				
DEPT_OF Rotary_	MINES			
Rotary	Oil			
Cable	Gas			
Recycling	Comb. X			
Water Flood_	Storage			
Disposal				

				Disposal_	(Kind)
Company P. W. Riggs, T	~ς.				
Address BOX 358, ST. MARYS, W.VA.		Casing and	Used in	Left	Cement fill up
Farm McCullough	Acres 19.75	Tubing	Drilling	in Well	Cu. ft. (Sks.)
Location (waters) SANCHO CE	EEK	C:		 	-
Well No. R-154		Size 20-16			
District CENTERVILLE County		Cond.			
The surface of tract is owned in fee by		13/10) MIN.	250'	250'	-
Pay Mc Cunough		9 5/8	1800	230	-
Address BEARSVILLE, W.	A.	8 5/8		<u> </u>	-
Mineral rights are owned by		7	1020	+	-
	Address Same		1020	1020	
Drilling Commenced 11-10-7		5 1/2 4 1/2		600	*
Drilling Completed 11-17-79		3		2904)410 5ks
Initial open flowcu. f		2			4
Final production 40,000 cu. ft. per	day hhla	Liners Used		 	4
Well openhrs. before	tast 800 # DD			 	•
Well treatment details:	KF.	Attach copy of	cementing reco	rd.	
0-05		= = 1/7			
PERFUEATIONS	2671-	-18 //shors	4	OMC	F
Francis				·	
FRACTURE TREE	ETMENT				
1500 BBL HO)	00,000 2	0-40 SAND	130,00	30 SCF	- N2
Coal was encountered at	Fee	1	Inches		
Fresh water N/A	Feet Fee	Salt \	VaterInches	ş	_ Feet
Coal was encountered at	Feet Fee	1	VaterInches	ş	_ Feet
Fresh water N/A	Feet Fee	Salt \	VaterInches	ş	_ Feet
Formation Color Hard or So.	Fee	Salt \	VaterInches	-2708	_ Feet
Fresh water NA Producing Sand Sono	Fee	Salt V Depti	Vater N/	9 - 2708 Water	Feet
Fresh water NA Producing Sand Cornor Formation Color Hard or So Cow Rus	ft Top Feet // // OO	Salt \ Depti	Vater N/	9 - 2708 Water	Feet
Fresh water NA Producing Sand Corpora Formation Color Hard or So Cow Rus 2ND SALT	FeetFee	Salt V Depti	Vater N/	9 - 2708 Water	Feet
Formation Color Hard or So. Cow Rus PND SALT MAXON	ft Top Feet // // OO	Salt \ Depti	Vater N/	9 - 2708 Water	Feet
Fresh water NA Producing Sand Corpora Formation Color Hard or So Cow Rus 2ND SALT	Top Feet // // // // // // // // // // // // //	Salt \ Depti	Vater N/	9 - 2708 Water	Feet
Formation Color Hard or So. Cow Rus PND SALT MAXON	Feet	Salt \ Depti	Vater N/	9 - 2708 Water	Feet
Formation Color Hard or So. Cow Rus WA MAND SALT MAYON KEENER	Feet	Salt \ Depti	Vater N/	9 - 2708 Water	Feet
Fresh water NA Fresh water NA Producing Sand Corporation Formation Color Hard or So Cow Rus AND SALT MAXON KEENER TNSUN GUAN JEIR	Feet Top Feet 100 330 1578 1626 1670 1886 2034	Salt \ Depti	Vater N/	-2708 Water 77	Remarks OP LOGGED
Fresh water NA Fresh water NA Froducing Sand GORDON Formation Color Hard or So COW RUN ZND SALT MAXON KEENER INJUN GUAN JEIR JECK SORRY STRING	Feet Top Feet 100 330 1578 1626 1670 1886 2034	Salt \ Depti	Vater N/	-2708 Water 77	Feet
Fresh water NA Fresh water NA Producing Sand Sorrow Formation Color Hard or So Cow Run AND SALT MAXON KEENER TNSUN GUAN	Feet Top Feet 100 330 1578 1626 1670 1886 2034	Salt \ Depti	Vater N/	-2708 Water 77	Remarks OP LOGGED

(over)

^{*} Indicates Electric Log tops in the remarks section.

*\hip-quad/manual/manual***						
Formation	Color	Hard or Soft	Top Feet	Bottom Fe	eet Oil, Gas or Water Remarks	
ORDO	مر		2671	2708	GAS	***************************************
4+/	(AND		2710	2798		
		- 				
			·	T.D. @leas	st 2904' - btm. 4'2" esg.	
				deleto	st 2904'-btm. 4'2''esg.	
	•	•		i		
	-					

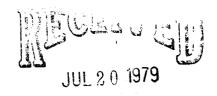
APPROVED C. W. Riggs, Tare Owner

By (Table)

580.

OG - 1 Rev. - 71





OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,		
Charleston, W. Va.	DATE 7-6-79	
Surface Owner EaO. McCullough	Company C.W. Rig	gs,Inc.
Address Bearsville W. Va.	Address Box 358.S	t.Marys.W.Va.
Mineral Owner E.O. McCullough		ullough Agree 193/4
Address Bearsville, W. Va.	Location (waters) San	cho Creek
Coal Owner E.O. McCullough	Well No. R-154	Elevation 790
Address Bearsville, W. Va.	District Centerville	County Tyler
Coal Operator None		
Address	THE CHARGE CARLO MARKET MARKET TO THE CONTROL OF TH	
THIS PERMIT MUST BE POSTED AT THE WELL SITE		
All provisions being in accordance with Chapter 22,	INSPECTOR	
of the W. Va. Code, the location is hereby approved	TO BE NOTIFIED Ph	illip Tracy
for <u>drilling</u> . This permit shall expire if	ADDRESSMiddlebou	rne, W. Va.
operations have not commenced by 3-23-80	PHONE 758-4573	
GENTLE STATE T AL		
Deputy Director - Oil & Ggs Division		•
Deputy Director - Oil & Gas Division The undersigned well operator is entitled to drill u title thereto, (or as the case may be) under grant or McCullough made to Lorge Bagley	lease dated June 6	19/9 by Paul & Mary
1979, in Tyler County, Book 2	19 Page 437	22nd day of June
NEW WELL DRILL DEFPE	REDRILL	FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY D	RILLED BEFORE JUNE 5, 1969.	
The enclosed plat was prepared by a registered en- have been notified as of the above date.	gineer or licensed land surveyor and	all coal owners and/or operators
The above named coal owners and/or operator are to make by Section 3 of the Code, must be received by	y, or filed with the Department of I	Mines within ten (10) days. *
Copies of this notice and the enclosed plat were ma or coal owners at their above shown respective addressame day with the mailing or delivery of this copy to	veh	hafara ar ar Aba
and any with the mapping of delivery of this copy to	the Department of Mines at Charlest	on, West Virginia.
PLEASE SUBMIT CORIES OF ALL	Very truly yours,	
GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name) Chiking	A service of the serv
CERTANTE STATE STATE OF AND	#ddress 등 등 기계	Operator
P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505 MC-304 - 292-6331	Of Operator St. Mary	Town
	₩.Va.	
	And the state of t	iste

*SECTION 3.... If no objections are filed a 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 perposed 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 PORT

47-095-0716

PERMIT NUMBER

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

PROPOSED WORK OR	DER TO X DRILL	DEEPEN	FRACTURE-STIMULATE			
DRILLING CONTRACT		RESPONSIBLE AGEN				
NAME Little S	wiss Drilling	NAME C.W. Rig	NAME C.W. Riggs, Inc.			
ADDRESS Buchann	ADDRESS St. Marys, W. Va.					
TELEPHONE 472-6	396	TELEPHONE 684-3	974			
ESTIMATED DEPTH OF	F COMPLETED WELL 29001	ROTARY	CABLE TOOLS			
	AL FORMATION Upper Devo					
TYPE OF WELL:	OILGAS	COMB X STORAG	GE DISPOSAL			
		LING WATER F				
TENTATIVE CASING P			OTHER			
CASING AND TUBING	G USED FOR DRILLING	IIIT IN WILL	CEMENT THE UP OR SACKS CUBIC LE			
20 · 16						
13 · 10 9 · 5/8						
8 5/N 250'		250'				
7		250.	Cemented Top-Bot			
E L	l l		The state of the s			
		2900'	200 sks.			
3		Western Committee on the Committee of th	Pert Top			
2						
Lineis			Perf Top			
Princip Physiotheragonium or character at the physiothera and medicing the third of the third the same of the same			Perf. Bottom			
O DRILL: SUBMIT FIVE (5) OF PLAT.	COPIES OF OG 1, \$100.00 PERM	IIT FEE, PERFORMANCE	, in the second of the second			
FO DRILL DEEPER OR SUBMIT FIVE (5) C WELLS DRILLED F MUST ALSO BE SU	COPIES OF OG 1. SHOWING ORIGINATION TO 1929, A PERMANENT OF THE PROPERTY OF TH	SINAL PERMIT NUMBER A COPY OF THE PLAT AND	ND PERFORMANCE BOND ON THE ORIGINAL WELL RECORD			
O FRACTURE - STIMU	LATE:					
manual . Menutiable	WELL ORIGINALLY DRILLED BEFO T PLAT AND ORIGINAL WELL RE	CORD.				
OIL AND/OR GAS V ING ORIGINAL PER	VELL ORIGINALLY DRILLED ON A MIT NUMBER, AND PERFORMANCE	ND/OR AFTER JUNE 5, 19 E BOND.	29, FIVE COPIES OG - 1, SHOW-			
the (or) thousand the At						
	<u> Taman na mananan mulan da sa da sa masanan da </u>		and the second s			
	must be completed by the coal op					
this lease have	examined and place on our mine m	aps this proposed well loca	tion.			
We the providing operat Code.	Coal Company tor has complied with all rules and reg	have no objections to said vulations in Articles 4, 5, and	well being drilled at this location, 7, Chapter 22 of the West Virginia			
		1	or Coal Company			
		·				
		The state of the s	(Maria in I Tia)			