1 2	3 8	LATITUDE 39 ° 30 '	
	/ 📐		•
	/	\	•
	/		
-1	/	8 !	
Д	,′		_
	<i>,</i>		0
	/ &		Ö
2	1 20		. •
[*	/ 0		8
	(55°c. 11°c.)		,
	/	1	
	,' × /		Ü
[-3	and the second		9
	المعالمة ا	1	
1 / 3 /	SL 39 E 3932		
, ,	1	4.475 2.74W	
J. J		2.74%	
chook 10	اب ہے		•
	© N	Troder	
/		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
, ,	S "\	*	
	≥	Carnegie, No. 1876	
,′ ₹ @	9 He	1	
Chark and	MOSW 1116.		
/ !!! @			
Carre			
, <u>x si</u> 22	NT3 23 E 1 23 4	Mary .	
/ ଧୃନ୍ଧି ଓ	No 1779 175	och och comer eg eg	
	S27 61 1 6 6000		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,	
	19 19 19 19 19 19 19 19 19 19 19 19 19 1		
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	A.V		
Coulatu 7, 52.806 086.882	gil.		
Line Mailed Maroon	Minimum Error of C	Josure 1 in 200'	
	Security of Planetics	Elev. at turn of road (shown) = 1611'	
2	Sales or meanition.	Elev. at turn of road (snawh) 3 [6]]	
		ereby certify that this map is correct to the best of my l	
Practure	ledge and helief and	shows all the information required by paragraph 6 of the the oil and gas section of the mining laws of West Vir	-alle
New Location		Track of the interior of west vir	giiia.
Abandonment	Map No.	Signed: MSHall Squares: N S E W	
Abandouroent		oquator. 14 & E W	
Company CARNEGIE NATI	RAL GAS CO.	STATE OF WEST VIRGINIA	
Address Munhall, Pennsylvan	ola	DEPARTMENT OF MINES OIL AND GAS DIVISION	
Ferm L.G. Robinson		CHARLESTON	
Treet Acres 2 6 001	No. 395/		
Well (Farm) No. FIVE_S		WELL LOCATION MAP	
Elevation (Spirit Level) 1527		FILE NO. Wet-595	
Quadrangle Centerpoint	NE	FILE NO. WET 3 /3	
County Wetzel Distr	ict Grant	+ Denotes location of well on United States	ì
Engineer Massface &		Topographic Maps, scale 1 to 62,500, latitude	•
U		and longitude lines being represented by border lines as shown.	7
Engineer's Registration No. 12			
File No. Drawi		— Denotes one inch spaces on border line of original tracing.	t
Date Juna 20. 1973 Scale	1"- 500'	original tracing. 47-103	

6-6 Smithton - Plint - Seculia (99)



Page 1 of 2

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

Oil and Gas Division WELL RECORD?

Rotary X

Quadrangle Centerpoint N.E. Permit No. Wet - 595					Recycling Comb. Water Flood. Storage Disposal		
arm L. G	Main St. Robins	tural Gas Com Munhall, Pa	es 2600	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
ocation (waters) <u>Trade</u> 1779	er Fork Ele County Wetz	v. 1 527	Size 20-16 Cond.			
		ned in fee by		13-10"	71	. 71	-
	lliam T		and the second s	9 5/8	2461	2461	100 sacks
		ove, Va. 2250	08	8 5/8		ba Set Se	1 200 5465
Aineral rights ar	e owned b	y Robinson Imp	provement Co	5 1/2	2449	24/19:	35 sacks
Drilling Commer	icedA	ugust 12, 1971 ugust 21, 1971	<u> </u>	4 1/2	3384*	33841	105 sacks
nītial op e n floy final production	,107,000	cu. ft	bbls. bbls.	2 Liners Used			-
Vell treatment o	letails:	3256-3260, 32°	76-3284 , 328	Attach copy of 38-3292, 3316	-3321. AH	* ~	
ling of upo	ed with	10 hhla mate	er. 6000# s:	and, using 10	i00 yals. :	mud acid	to brea kdown.
rracoure	CL W.LUII	TO DOTE Mark		A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			by le contra
With baf	Ile set	at 2614, per	rforated 25	38-2558 and 1	ractured :	with 519	DUID. Waser,
With baf	Ile set	at 2614, per	rforated 25	38-25-8 and 1 b breakdown.	ractured :	with 519	bolts. Waser,
With baf	Ile set	at 2614, per	rforated 25	38-2558 and I b breakdown.	ractured	with 519	DOIN. Waser,
With baf 20,000# Coal was encoun	Tle set sand, u	at 261h , b el sing 500 gals 1 226- 1239	rfocated 25 • 157 HCL to Feet	p breakdowm.	Inch	nes	
With baf 20,000# Coal was encoun	fle set sand, a	at 261h	rfocated 25 If HCL to	preakdoum. 156 Salt	Inch	es	Feet
With baf 20,000# Coal was encoun	fle set sand, a	at 261h , b el sing 500 gals 1 226- 1239	rfocated 25 If HCL to	preakdoum. 156 Salt	Inch	es	Feet
With baf 20,000# Coal was encounteresh water Producing Sand	The set sand, n	at 261h	rfocated 25 If HCL to	preakdoum. 156 Salt	Inch Water h2486	es	Feet

⁽over)

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

ormation	Color	Hard or Soft	Top Feet 2	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock	:		1,00	417		
Sand			417	454		
Shale			454	480		
Sand			480	490		
Red Rock			490	501		
Sand						
			501	510		
Sha le			510	580		
Sand			580	589		
Red Rock			589	596		
Shale			596	625		
Red Rock	ς		625	637		
Shale			637	673		
Sa nd			673	6814	,	
Shale &	Slate		684	725		
Sand			725	780		
Shale			780	810		
Sand			810	845		
			845	860		
Shale						
Sand			860	890	٠	(
Red Rock	ζ		890	901	*	
Sand			901	930		
Shale			930	967		
Sand			967	972	,	
Shale			972	992		
Sand			992	1005		
Shale			1005	1022		
			1022	101,0		
Sand						
Shale			1040	1074		
Sand			1074	1085		
Shale			1085	1109		
Sand			11 09	11 1 8		•
Shale			1118	1226		
Coal			1226	1239		
Sand			- 1239	1257	•	
Shale			1257	1278		
Sand			1278	1295		
			1295			
Shale				1320		
Sand			1320	1373		
Shale			1373	1400		
Sand			7,00	1473	. ,	
Shale			1473	1546		
Lime			1546	1554		
Shale			1554	1595		
Sand			1595	1608		
Shale			1608	1730		
Sand			1730	174 8		
			1748	1769		
Shale						
Sand			1769	1790		
Shale			1790	1840		
Sand			1840	1865		
Shale			1 865	1875		
Sand			1875	1885		
Shale			1885	1950		
Sand			1950	1955		
Shale			1955	1965		
			1965	1975		
Sand						
Shale			1975	1934	* (1	
Sand			1984	2020	1989 Mater	
Shale			2020	2060		
Sand			2060	2130		
			2130	2170		
Shale						

Continued on page 2

MARCH 6 10 75 Date

APPROVED CARNEDIE NATURAL GAS OWNER

By Loga D. L. Lucy

(Title) GASOLOGIET



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES



Oil and Gas Division WELL RECORD 7

Quadrangle Centerpo in		WELL	RECORD 7		Rotary_X Cable Recycling_	
Permit No.Wet - 595					Water Floor Disposal	L Storage (Kind)
Company			Casing and	Used in	Left	Cement fill up
Address			Tubing	Drilling	in Well	Cu. ft. (Sks.)
location (waters)			Size			
Well No.			20-16			
District			Cond.			
The surface of tract is ov			13-10"			
The state of the same and the same of the			9 5/8			
Address			8 5/8			
Mineral rights are owned	by		7	· · · · · · · · · · · · · · · · · · ·		
Address			5 1/2			
Drilling Commenced			4 1/2			
Drilling Completed			3			
Initial open flow			Liners Used			
Final production	_		Liners Osed			
Well openWell treatment details:	hrs. before test_	RP.	Attach copy of c			
Coal was encountered at	Fee	et	Salt V	Vater		
Producing Sand			Depth	T		
Formation Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas	or Water	* Remarks
Shale Little Lime Pencil Cave Big Lime Big Injun Shale Sand		2274 2426 2426 2440 2446 2610 2725 2735 2760 2835 2871 2001 2958 2968 2986 3005 3075 3110	2426 2432 2440 2486 2610 2725 2735 2760 2790 2000 2001 2001 2001 2001 2001 2005 3005 3005 3110 3178		at 2555	244 157 11:
Sand Shale Sand Godon		3173 3218 3238	321d 3238 3260			·

(over)

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

Formation Color	Hard or Soft	Top Feet 7	Bottom Feet	Oil, Gas or Water	* Remarks
Shale Sand Shale Sand FiFH Shale		3286 329 2 3306 3320 3335	3292 3306 3320 3335 3500	Total Depth	
					ere e
		·			
		·			
99 ₀ = 1					
	,		, 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
	. *	·			

Date MARCH 6, 1975

APPROVED GARNEOUE NATURAL GAS OWNER

By LOGS T. K. J. W. L.

(Title) GEOLOGIST

WE 55 928



DEPARTMENT OF MINES



OIL & GAS DIVISION DEFT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

	DAT	, July 29	, 1974
Surface Owner William T. Keen		Carnegie Nat	eral Cas Company
Address Locust Grove, Va. 225	Comp	2001 Main St.	funhall, Pa. 15120
Mineral Owner Robinson Improvement	Co., c/o M.L.Dyeg	L. G. Robinson	2600
AddressRoxeyville, Va.		tion (waters)	Fork Acres
Coal Owner Mountaineer Coal Co.	• Well	5-1770	1527
AddressMonongah, W. Va.	Distri	Grant	Elevation Wetsel
Coal Operator			Point N.E.
Address	- Quau	rangi-	D. a
All provisions being in accordance with (of the W. Va. Code, the location is hereb for. At a least operations have not commenced by	Chapter 22, by approved all expire if	<i>A A A</i>	NOTIFIED <u>Pariet</u> PH: 622-387
GENTLEMEN:			
ol made to County, B	grant or lease dated a	nd recorded on the	th by Dec
title thereto, (or as the case may be) under Robinson made to E. County, B.	grant or lease dateda Carnahana ook Page L DEEPER	nd recorded on the	th by day of
title thereto, (or as the case may be) under Robinson made to E. County, B. NEW WELL DRILL OIL AND GAS WELL ORIGIN. The enclosed plat was prepared by a regis	grant or lease dateda Carnahana ookPage L DEEPERI ALLY DRILLED BEFOR	nd recorded on the	day ofACTURE OR STIMULATE
Robinson made to made to County, B NEW WELL OIL AND GAS WELL ORIGIN The enclosed plat was prepared by a regis have been notified as of the above date. The above named coal owners and/or oper to make by Section 3 of the Code, must be respectively.	grant or lease dated a 73 ook 73 Page L DEEPER 1 ALLY DRILLED BEFOR stered engineer or licensed rator are hereby notified to received by, or filed with	nd recorded on the	ACTURE OR STIMULATE coal owners and/or operator ish to make, or are require within ten (10) days. *
Robinson made to made to County, B NEW WELL OIL AND GAS WELL ORIGIN The enclosed plat was prepared by a regis have been notified as of the above date. The above named coal owners and/or oper to make by Section 3 of the Code, must be recorded owners at their above shown respection of the coal owners at their above shown respective.	grant or lease dated arnahan ook Page L DEEPER ALLY DRILLED BEFOR stered engineer or licensed rator are hereby notified to received by, or filed with were mailed by registered ive address	nd recorded on the	day of ACTURE OR STIMULATE coal owners and/or operator ish to make, or are require within ten (10) days. *
The enclosed plat was prepared by a regishave been notified as of the above date. The above named coal owners and/or oper to make by Section 3 of the Code, must be recoal owners at their above shown respectisame day with the mailing or delivery of this	prant or lease dated a 73 ook 73 Page L DEEPER 1 ALLY DRILLED BEFOR stered engineer or licensed attor are hereby notified to received by, or filed with were mailed by registered ive address 1 copy to the Department	nd recorded on the	by day of Dec. ACTURE OR STIMULATE coal owners and/or operator ish to make, or are require within ten (10) days. * above named coal operator before, or on the Vest Virginia.
The enclosed plat was prepared by a regishave been notified as of the above date. The above named coal owners and/or oper to make by Section 3 of the Code, must be recoal owners at their above shown respectisame day with the mailing or delivery of this EASE SUBMIT COPIES OF ALL	grant or lease dated arnahan ook Page L DEEPER ALLY DRILLED BEFOR stered engineer or licensed rator are hereby notified to received by, or filed with were mailed by registered ive address	nd recorded on the	day of ACTURE OR STIMULATE coal owners and/or operator ish to make, or are require within ten (10) days. *
The enclosed plat was prepared by a regishave been notified as of the above date. The above named coal owners and/or oper to make by Section 3 of the Code, must be recorded owners at their above shown respective same day with the mailing or delivery of this CPHYSICAL LOGS DIRECTLY TO: St Virginia Geological and Economic	page and or lease dated	nd recorded on the	day of ACTURE OR STIMULATE coal owners and/or operator ish to make, or are require within ten (10) days. * above named coal operator before, or on the lest Virginia. CIRAL CAS COMPANY
The enclosed plat was prepared by a regishave been notified as of the above date. The above named coal owners and/or oper to make by Section 3 of the Code, must be recorded on the coal owners at their above shown respective same day with the mailing or delivery of this coal owners. EASE SUBMIT COPIES OF ALL OPHYSICAL LOGS DIRECTLY TO: st Virginia Geological and Economic O. Eox 879	page and or lease dated	nd recorded on the	day of ACTURE OR STIMULATE coal owners and/or operator ish to make, or are require within ten (10) days. * above named coal operator before, or on the lest Virginia. CIRAL CAS COMPANY
The enclosed plat was prepared by a regishave been notified as of the above date. The above named coal owners and/or oper to make by Section 3 of the Code, must be recorded on the code of this notice and the enclosed plat or coal owners at their above shown respective same day with the mailing or delivery of this east Virginia Geological and Economic O. Eox 879 regantown, W. Va. 26505	grant or lease dated arrahan ook Page L DEEPER ALLY DRILLED BEFOR stered engineer or licensed rator are hereby notified to received by, or filed with were mailed by registered ive address copy to the Department Very trul (Sign Name) Survey Address of	nd recorded on the	day of ACTURE OR STIMULATE coal owners and/or operator ish to make, or are require within ten (10) days. * above named coal operator before, or on the lest Virginia. CIRAL CAS COMPANY
The enclosed plat was prepared by a regishave been notified as of the above date. The above named coal owners and/or oper to make by Section 3 of the Code, must be recorded on the mailing or delivery of this same day with the mailing or delivery of this east Virginia Geological and Economic O. Eox 879 regantown, W. Va. 26505	grant or lease dated and another another are hereby notified to received by, or filed with a were mailed by registered ive address copy to the Department Very trul (Sign Name) Survey Address	nd recorded on the	day of ACTURE OR STIMULATE roal owners and/or operator ish to make, or are require within ten (10) days. * above named coal operator before, or on the rest Virginia. TIRAL CAS COMPANY AUTUMN TOTAL CAS COMPANY
The enclosed plat was prepared by a regishave been notified as of the above date. The above named coal owners and/or oper to make by Section 3 of the Code, must be recoal owners at their above shown respectisame day with the mailing or delivery of this	grant or lease dated arrahan ook Page L DEEPER ALLY DRILLED BEFOR stered engineer or licensed rator are hereby notified to received by, or filed with were mailed by registered ive address copy to the Department Very trul (Sign Name) Survey Address of	nd recorded on the	day of ACTURE OR STIMULATE roal owners and/or operator ish to make, or are require within ten (10) days. * above named coal operator before, or on the rest Virginia. TIRAL CAS COMPANY

*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.

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

PROPOSED WORK ORDER TO	DRILL	DEEPEN FI	RACTURE-STIMULATE		
DRILLING CONTRACTORICOT		RESPONSIBLE AGENCE No. 387, Mannington, WV			
NAME West Union, W.					
ADDRESS)2	ADDRESS986-	2060		
TELEPHONE	3500	TELEPHONE			
ESTIMATED DEPTH OF COMPI	ETED WEIFIITH Send	ROTARY	CABLE TOOLS		
PROPOSED GEOLOGICAL FOR	MATION:				
TYPE OF WELL: OIL_	GAS CO	MBSTORAGE	DISPOSAL		
			ODOTHER		
CASING AND TUBING SIZE	M: USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.		
20 - 16	250 '	250'	to municipa		
0 - 5/8	670	€2V-	to surface		
3 - 5/8	24751	2475'			
7	W 47 1 20	E417			
5 ½	3500	35 00'	10001		
1 1/2					
			Perf. Top		
			Perf. Bottom		
Liners			Perf. Top		
			Perf. Bottom		
OF PLAT: O DRILL DEEPER OR REDRIL SUBMIT FIVE (5) COPIES OF WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTE OF FRACTURE - STIMULATE: OIL AND/OR GAS WELL OF BOND, PERMANENT PLAT OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NU	OF OG - 1, \$100.00 PERMIT L: OF OG - 1, SHOWING ORIGIN O 1929, A PERMANENT COI CD. RIGINALLY DRILLED BEFOR AND ORIGINAL WELL RECO RIGINALLY DRILLED ON ANI MBER, AND PERFORMANCE I	FEE, PERFORMANCE BO JAL PERMIT NUMBER AND PY OF THE PLAT AND TO E JUNE 5, 1929, FIVE (5) CO ORD. D/OR AFTER JUNE 5, 1929 BOND.	OND AND PERMANENT COPY OPERFORMANCE BOND. ON HE ORIGINAL WELL RECORD OPIES OG - 1, PERFORMANCE		
VAIVER: I the undersigned, Agenthis lease have examined. We the	nt for ed and place on our mine map Coal Company ha	Coal Company, Owner os this proposed well location over no objections to said we ations in Articles 4, 5, and 7	on. Il being drilled at this location, Chapter 22 of the West Virginia		
			r Coal Company		
			Official Title		