



OIL & GAS DIVISION DEFT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,			
Charleston, W. Va.	DATE May	y 24, 1976	And the second second
Surface Owner Frank Andrew	Company Carne	gie Natural	L Gas Company
Address Rt. #1, Box 33, Maidsville, WV 26541			nall, Pa. 15120
Mineral Owner Ruth W. Marstiller, et al		Waters	
Address 556 Mansfield Ave., Star City, WV 26505	Location (waters)		
Coal Owner Christopher Coal Co.	Well No. 1-1430		
AddressCore, WV 26529			County Monongalia
Coal Operator			
Address	quadrangic		
THIS 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			
for deepening . This permit shall expire if			
operations have not commenced by 10-16-76			
There than		Willi	iam Blosser
	TO DE NOME	TED	The state of the s
TIND.	363-9105 ADD		ax, W.Va.
The undersigned well operator is entitled to drill upon the a	A Particular State Control of Con		
made to Carnegie Natural Gas Conty, Book 205 NEW WELL X DRILL DEEPER OIL AND GAS WELL ORIGINALLY DRILLED BY The enclosed plat was prepared by a registered engineer or land have been notified as of the above date. The above named coal owners and/or operator are hereby not to make by Section 3 of the Code, must be received by, or filed Copies of this notice and the enclosed plat were mailed by resor coal owners at their above shown respective address same day with the mailing or delivery of this copy to the Depart	PageREDRILL	FRACTU 9. and all coal ow 1 they wish to 1 of Mines within 1 ded to the above	wners and/or operators make, or are required to ten (10) days. * e named coal operators hefore, or on the
Ve	ry truly yours,		
	gn Name)	IE NATURAI	GAS COMPANY
		Well Operator	Div. Supt.
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: Address	390L I	Main St.	
		Street	Transit Town
West Virginia Geological and Moonomic Well Operator	munha]	1	
P. O. Box 879 Morgantown, W. Va. 26505	City	or Town	
MOTBURY OF HELD	Pa.	15120	
		State	11/24/2023

*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.

MON-350-DD

PERMIT NUMBER

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

PROPOSED WORK ORDER TO_	DRILL X	DEEPEN	FRACTURE-STIMULATE
DRILLING CONTRACTOR: (If F		RESPONSIBLE AGEN	
NAME			Stephenson, Div. Supt.
ADDRESS			gton, W. Va. 26582
TELEPHONE		TELEPHONE3	04 - 986 - 2060
ESTIMATED DEPTH OF COMPLE		ROTARY X	_ CABLE TOOLS
PROPOSED GEOLOGICAL FORM			
TYPE OF WELL: OIL	GAS X CO	MBSTORAG	GE DISPOSAL
			LOODOTHER
TENTATIVE CASING PROGRAM	:		
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	OR SACKS - CUBIC FT.
20 - 16	7 - 1/1 N - 1/1 DO	705	II d show and minellar dmills
13 - 10 10"	507	507	Used when originally drille
9 - 5/8	1324	1324	Used when originally drille
8 - 5/8		1711	Used when originally drill
7 5 ½ 2 00000	1711	1/11	OBCU WHEIT OTTETHATTY OF THE
4 ½	3950	3950	1000*
3			Perf. Top
2		27.2 LEW	Perf. Top
Liners		310 3344	Perf. Bottom
,			1 / P EVENT TO BE USD TO THE STATE OF
OF PLAT. TO DRILL DEEPER OR REDRII SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR ' MUST ALSO BE SUBMITTI TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL O BOND, PERMANENT PLAT OIL AND/OR GAS WELL O ING ORIGINAL PERMIT NO	LL: OF OG - 1, SHOWING ORIGITO 1929, A PERMANENT COED. ORIGINALLY DRILLED BEFORMAND ORIGINAL WELL RECORDINAL WELL RECORDINALLY DRILLED ON AUTOMOBER, AND PERFORMANCE	TNAL PERMIT NUMBER OPY OF THE PLAT AN REJUNE 5, 1929, FIVE CORD. ND/OR AFTER JUNE 5, BOND.	AND PERFORMANCE BOND. ON ID THE ORIGINAL WELL RECORD (5) COPIES OG - 1, PERFORMANCE 1929, FIVE COPIES OG - 1, SHOW- ase. Inspector to be notified twenty-
thereof. WAIVER: I the undersigned, Ag this lease have exami	be completed by the coal op- ment for	Coal Company, O	where or Operator of the coal under location. Indication did well being drilled at this location, and 7, Chapter 22 of the West Virginia 11/24/2023
		14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 -	Official Title



DEPARTMENT OF MINES

Oil and Gas Division WELL PECOPD

	ECEIVED	AND DESCRIPTION OF THE PERSON
17.	JUN 1 6 1976	

OIL & GAS DIVISION DEFT. OF MINES

Quadrangle_Blacksville NE Permit No	WELL	RECORD		RotaryCable_X Recycling_ Water Floo Disposal	Gas X Comb.
Company Carnegie Natural Ga Address 3904 Main St., Munhal Farm S. Belle Waters	11, Pa. 15120	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Location (waters)	Elev Monongalia	Size 20-16 Cond. 13-10" 10"	507	507	8050#Sand 4000#
Address		9 5/8 8 5/8	1324	1324	Cement
Mineral rights are owned byAddress		7 5 1/2	1711	1711	
Drilling Commenced Sept. 20 Drilling Completed Nov. 11	1928	4 1/2 3 2			
Initial open flow 17/10 W = 21 u f Final production cu. ft. per Well open hrs. before		Liners Used			
Coal was encountered at 75-80 Fresh water 80°, 370°, 455°, Producing Sand	660Feet	Salt			Feet
Formation Color Hard or So	oft Top Feet	Bottom Feet	Oil, Gas or	Water	* Remarks
Waynesburg Coal Mapleton Coal Pittsburgh Coal Little Dunkard Big Dunkard Gas Sand lst Salt Sand 2nd Salt Sand Little Lime Pencil Cave Big Lime Big Injun Total Depth	75 370 455 955 1020 1150 1265 1310 1690 1700 1707 1761	80 375 462 984 1080 1205 1284 1500 1700 1707 1761	Water 37 Water 45 Sand 640 Water 66 Sand 665 Gas 1195 Water 13 Gas 1841 Blew down and down pay was 6 Gas 1890	0' - 5 b 5' - hol -660 0' - 1 b -705 - 15/10 85 - hol -1850 - h to 2/10 to 2/10 drilled.	ailer per hr. W in 2". Blew ou e full 6/10 W in 2". 0 W in 2" in 5 hou W in 1" when second 1/10 W in 2". 10 W in 2" in 15 hours
	200		P		11/24/2023

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

Formation Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
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a la Archi en ou.	10. 1.50 - 1.50 (may 1.50)	1758		i drope Lee
				11/24/2023

 * Remarks

Cas. of: Water



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

Oil and Gas Division WELL RECORD

QuadrangleBlacksville NE MON-350-DD Permit No._

1976

Rotary X Cable_ Gas. Recycling Comb. Water Flood___ Storage.

> Disposal_ (Kind)

Company Carnegie Natural Gas Company Address 3904 Main St., Munhall, Pa. 15120 Farm S. Belle Waters Acres 78	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Well No. 1-1430 Elev. 1205 Dietrice Cass County Monongalia	Size 20-1-6 Cond.			ili qal Agil
The surface of tract is owned in fee by Frank Andrew	13-10"			
	9 5/8			
Address Rt.#1, Box 33, Maidsville, WV 26541	8 5/8			
Mineral rights are owned by Ruth W. Marstiller, eta	11 7			
556 Mangfield Ave., Star (ity 1/2			
Drilling Commenced June 24, 1976 WV 26505	4 1/2	3805	3805 '	120 sacks
Drilling Completed June 26, 1976	3			
Initial open flow 49,430 cu. ft. bbls.	2			
Final production 44,000 cu. ft. per day 4 bbls.	Liners Used			
Well openhrs. before test 730# RP.			-	
Well treatment details:	Attach copy of	cementing reco	ord.	
1-4 Gt Porforated: 3608-3738 - 12 ho	oles.			S calc of
Fractured: 669 bbls. of water	er, 25,000# 20	-40 sand,	using 500	gars. or

Dowell X15% Acid to breakdown. 2890-2915 - 14 holes. 2nd Stage: Perforated: 631 bbls. of water, 18,000# 20-40 sand, using 1000 gals. of

Fractured: Dowell X15% Acid to breakdown.

Inches Coal was encountered at .. _Salt Water_ Feet . Feet -Fresh water. Producing Sand Balltown Depth 3608-3738 (2890-2915) (Bayard)

Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water Remarks
Original Total Depth		1932	
Shale	1932	2065	
Sand	2065	2100	
Shale	2100	2130	
Sand	2130	2150	
Shale	2150	2165	
Sand	2165	2270	
Shale	2270	2280	
Sand	2280	2430	A section of the sect
Shale	2430	2500	7.7
Red Rock	2500	2510	
Shale	2510	2532	
Sand	2532	2548	
Shale	2548	2580	
Red Rock	2580	2640	
Shale	2640	2658	
	2658	2672	
Red Rock	2672	2680	11/24/2023
Shale	2680	2700	
Red Rock	2700	2725	
	2725	2740	
Shale	2740	2760	
Red Rock Sand	2760	2770	

[•] Indicates Electric Log tops in the remarks section.

Formation Colo	or Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
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nd ale		2855	2935 3110	The second secon
nd		3110	3120	
ale 100 \2	K - Varter 9	3120	3320	
nd	alds.)	3320 3330	3330 3522	
nd Comb Inda	_ gnilovansi	3522	3540	Silaokavilla Nil
ale stores ala		3540	3710	MON-350-DD
	fearquit	3710 3720	3720 3745	
ale nd		3745	3750	Course do Mades A Carl Got
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nd 818) . (318) g	Helling in Well	3785 3810	3810	through ollows :
ale		3810		and the state of t
tal Depth			3898 ^{00.1}	11/20
			J. A. V.	(19/1-7
			1792011 .	CONCORD OF USE SECTION OF SECTION
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DEPARTMENT OF MINES





OIL & GAS DIVISION

INSPECTOR'S WELL REPORT PEPT. OF MINES

Permit No. 1/2N-350-D-D.			r Gas Well		
Company ALNegie NATULAL COS GADAN	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS	
Address Munhall, Pennsylvania	Size			Jugu Willer (1904) Combint	
Farm S. Bell. Waters	16			Kind of Packer	
Well No. 1- 1430	13			Sing of	
District County DONON 14/14	81/4			Size of	
Drilling commenced Jone . 23.1976.	6%			Depth set	
Drilling completed 26-76-Total depth 3898'	5 3/16	40.001	2	Circ	
Darilling - Completed - Depth of shot 3898	3 4 1/2 -	3805	Cem - /2	Perf. top	
Initial open flow/10ths Water inInch	Liners Used			Perf. top	
Open flow after tubing/10ths Merc. inInch				Perf. bottom	
VolumeCu. Ft.	CASING CEME	NTED	SIZE	No. FTDate	
Rock pressurelbshrs.	NAME OF SE	RVICE COMP.	ANY		
Oilbbls., 1st 24 hrs.	COAL WAS EN	NCOUNTEREI) AT	FEETINCHES	
Fresh waterfeetfeet	FEET	INC	HES	FEETINCHES	
Salt water feet feet	FEET	INC	HES	FEETINCHES	
Drillers' Names					
Remarks: Mr. Jim - Stephenson. Apol Misunderstanding in his Offi Drilling - Stated - ONTHACTOR. H.K. Sp	ce he Fi encer	this mon wiked-to Rotary	cring = 6	doe to. Some ne. when. this	

William 9

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No.					We	II No	
COMPANY	× 140		ADD	RESS			LON Impos
FARM	MI 14E MI C	DISTRI	CT_	CC	UNTY		
Filling Material Used							2 - 7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Liner Loc	cation	Amoun	Packer	Location			
	ND DEPTH PLACED			BRIDGES		IG AND TU	JBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONST	RUCTION-LUCATION	RECOVERED	SIZE	LOST
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			25.002			ef by ston	rmi pelizio
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Orillers' Names	and the second s						
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Remarks:						27.38	na Zina a in
DATE	I hereby certify I	visited the a	bove well on	this date.			

Permit No MON - 350 - D-D.

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

)		and and						

Oil or Gas Well.

						and the second s
Company ALNOGIE	Varural. 605. 6.	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACK	ERS
Address Monha	L, PENNSYLVANIA	Size				
Farm 5. 8e4	e-Waters-	16			Kind of Pack	cer
1 1112		13				
Well No. 1- 143		10			Size of	
District 255	Count Monengali A	8 1/4				3
Drilling commenced		65%			Depth set	
ANT ANTALYSE CORRESPONDENCE CONTROL CO		5 3/16				
Drilling completed	Total depth	3			Perf. top	
Date shot	Depth of shot	. 2			Perf. bottom	
Initial open flow	/10ths Water inInch	Liners Used			Perf. top	
Initial open now	/ Totals Water IIIIIICI				Perf. bottom	
Open flow after tubing	/10ths Merc. inInch				A PRINCIPAL PRIN	
Volume	Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
Rock pressure	lbshrs.	NAME OF SEF	RVICE COMPA	ANY		
Oil	bbls., 1st 24 hrs.	COAL WAS EN	COUNTEREI	AT	_FEET	_INCHES
Fresh water	feetfeet	FEET	INC	HES	FEET	_INCHES
Salt water	feetfeet	FEET	INC	HES	FEET	INCHES
MECHETIALISM CALIFORNIA (MICHAEL SAST) PARTY YA MARANIN MICHAEL CHA BARANIN INTERIORI SILON ORIGINA MARANIN BERTA	e die er fest de fest ein de specie george in geline som einen in en genomen in de men promote stand verstand un entgefast	E A S TUTO O LUMB ESCRICTO NA TRES ESEN NOCOTA ESSA POR EL PRESE POR PROPERENCIA POR PRESENCIA DE LA PRESENCIA				
Drillers' Names	Establish (interplate the contractive and the contractive and public plane are extended about a contractive and the contractiv					

Remarks: Mr. Dodd -

I Met. With Jim Stevens. IN MANNANGTON. OFFICE tuday To. discuss-Status. of. Above well-ANd- the. two. Following MAL-316. D.D. MAL. 317. D.D. NONE of these well ALC. Leady FOR delease - He will seed - drain And Level - When wenther BARKES -

JANUARY - 27, 1977

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

ermit No.	Well No					
OMPANY	ADDRESS					
ARM	DISTRICTCOUNTY					
illing Material Used						
ner Lo	cation	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
					A STATE OF THE STA	
andrew of the control						,
3.4						
- 11 · 17 · 11 · 11 · 11 · 11 · 11 · 11						
llers' Names						
i de la companya de l		Letter present the second				
marks:						
	I hereby certify I vi	sited the abo	ve well on this date.			
DATE			anver			

DEPARTMENT OF MINES



OIL AND GAS WELLS DIVISION

OIL AND GAS WELLS DIVISION OIL & GAS DIVISION INSPECTOR'S PLUGGING REPORT DEPT. OF MINES

Loc	ation	Amount	Packer	Location		
	ND DEPTH PLACED		BRIDGES	CASIN	G AND TUE	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
Jin pro	per DAR	Not.	From Location OTTA ched - Most ON LOCATION - Ne	. 6c. A+	acled.	to luc
Location Location	AND Sto ON Needs		ed ap-	ds.fer	nove	14
20.	NOT. L	elens	e -			
ers' Names						
	+6 M6	James	Stephenson- S. W.U. a. MAde	perrison	L. Col	Negi

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

rermit No.			Oil or Gas Well(KIND)				
Company		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACK	ERS	
Address		Size	*				
Farm		16			Kind of Pac	ker	
Well No		13			G: A		
District	County	81/4	36		_ Size of		
	- County	65/8			Depth set_		
		5 3/16					
	Total depth	3	130,00		Perf. top		
Date shot	Depth of shot	2			Perf. botton		
Initial open flow	/10ths Water inInch	Liners Used	2 0.15		Perf. top Perf. bottor		
Open flow after tubing	/10ths Merc. inInch			¥ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Feri, bottor		
Volume	Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date	
Rock pressure	lbshrs.	NAME OF SERVICE COMPANY					
Oil	bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT			_FEET	INCHES	
Fresh water	feetfeet	FEET	INCE	IES	_FEET	INCHES	
Salt water	feetfeet	FEET.	INCH	IES	FEET	INCHES	
Drillers' Names		<u> </u>	NATION A	eas 3	<u> </u>	1	
Remarks:	(80°C) (83°3°C) (23°C)						



State of West Virginia Department of Mines Gil and Gas Division Charleston 25305

AUG 2 8 1984

OIL & GAS DIVISION

DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
July 25, 1984

COMPANY	Carnegie Natural Gas Co.	PERMIT NO _	061-0350-DD (6/16/76)
800 Re	gis Avenue	FARM & WELL	NO S. B. Waters #1-143
Pittsl	ourgh, Pennsylvania 15236	DIST. & COUN	NTY Cass/Monongalia
			IN COMPLIANCE
RULE	DESCRIPTION		YES NO
23.06 25.04 25.03 16.01 15.03 15.02 15.01 15.05 23.02 25.01 23.04 23.05 23.07 16.01 16.02 7.05	Notification Prior to Start Prepared before Drilling to High-Pressure Drilling Required Permits at Wellsit Adequate Fresh Water Casing Adequate Coal Casing Adequate Production Casing Adequate Cement Strenght Cement Type Maintained Access Roads Necessary Equipment to Prevent Reclaimed Drilling Pits No Surface or Underground Port Requirements for Production Well Records on Site Well Records Filed Identification Markings	Prevent Waste e ent Waste collution	
I HAVE I	NSPECTED THE ABOVE CAPTIONED	WELL AND RECOMMEND THAT	IT BE RELEASED:
		SIGNED	of REllia
		DATE 8	31-84
with Cha	l record was received and record was received and record for 22, Article 4, Section 2 for the life of the well.	2, the above well will r	
7	MS/chm	Septemb	ber 13, 1984
			DATE

00 J. T. Everley Heirs -2 -3 581°20'E Well No. 1430 Elev . 1205 SUSAN BELLE WATERS Note: - Deed calls taken from deed from Susan Belle Waters to William H. Deeks, doted Feb. 1. 1911 and recorded in Monongalia County Deed Book No. 114. at page 125. Coal: - Christopher Coal Co. Pursalove Mine Core, West Va. 1 in 200 Minimum Error of Closure Source of Elevation U.S.G.S. elev. at forks of road 1/2 mi SE = 992 I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia. New Location..... Drill Deeper... Signed: Map No. Squares: Abandonment..... STATE OF WEST VIRGINIA Company CARNEGIE NATURAL GAS CO. DEPARTMENT OF MINES Address Munhall, Penna. OIL AND GAS DIVISION Susan Belle Waters, FRANK AND REW CHARLESTON Acres 78.434 Lease No. 12016 WELL LOCATION MAP Well (Farm) No. One Serial No. 1430 FILE NO.MON -350-DD023 Elevation (Spirit Level) ____1205 Quadrangle Osque 71/2 Blacksville 15' + Denotes location of well on United States County Mononadia District Cass Topographic Maps, scale 1 to \$2,500, latitude Engineer Mestock and longitude lines being represented by border lines as shown. Surveyor's Registration No. 1227 - Denotes one inch spaces on border line of File No .. _Drawing No.. original tracing. Scale 1": 500' 47 - 051 Date May 20, 1976 TRASCO 500 10-74 MC3081