

IV-35 (Rev 8-81)





## State of Mest Nirginia

OIL & GAS DIVISION Bepartment of Mines
DEPT. OF MINES Gil und Gas Bivision

	June	28,	1984	
Opera Well	tor's No.	1-18	81	
Farm	Thoma	as K	eenan	
ADT N	h 47	- 06	1 - (	731

(Continue on reverse side)

## WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production X / Underground	/ Wast nd Storag	e Disposal e/ Deep	/ / Sha	llow <u>x</u> /)
LOCATION: Elevation: 1120' Watershed R	obinson	Run		
District: Cass County Monong	alia	Quadrangle	Osage	<u> </u>
COMPANY Carnegie Natural Gas Company		<del></del>		Cement
ADDRESS 800 Regis Ave., Pgh., PA 15236	Casing	Used in	Left	fill up
DESIGNATED AGENT J. C. Stephenson	Tubing	Drilling	in Well	XX. ft.
ADDRESSBox 387, Mannington, WV 26582	Size			
SURFACE OWNER William L. Dipple, et ux	20-16 Cond. 11.3/4"			
ADDRESS 23 West St., Morgantown, WV 26505	XXXXXX	332'	332'	332'
MINERAL RIGHTS OWNER Mary D. Dudrear	9 5/8			
ADDRESS 245 S. 56th St., Mesa, Arizona85206	8 5/8	1550'	1550'	1550'
OIL AND GAS INSPECTOR FOR THIS WORK Bob	7			
Stewart ADDRESS Jane Lew, WV	5 1/2			
PERMIT ISSUED August 26, 1983	4 1/2		5412'	2350'
DRILLING COMMENCED November 22, 1983	3			
DRILLING COMPLETED December 3, 1983	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners			
CN				
GEOLOGICAL TARGET FORMATION E1k		Dep	th 5990	feet
Depth of completed well 5990 feet	Rotary X	/ Cabl	e T∞ls_	
Water strata depth: Freshfeet;				
Coal seam depths: 186'-192 G.L.	Is coal	being min	ed in the	e area?Yes
300'-310' G.L. (Open				
OPEN FLOW DATA  Alexander, Elk	Da	·· cono der	+b 4 - 7	czzz feet
Producing formation Warren, Balltown	Fa	y zune wer itial oper	) f] cv	Bb1 /d
Gas: Initial open flow 47 Mcf/d Final open flow (215) Mcf/d	OTT: III	nal coon f	i iiow	Bb1 /d
Time of open flow between init				
		ment, ara	<u> </u>	<u> </u>
(If applicable due to multiple completion		u zone der	nth.	feet
Second producing formationMcf/d	Oil. Ir	vitial oper	flow	Bb1/d
Final open flow Mcf/d  Time of open flow between init				
Static rock pressurepsig(surface			r ho	urs shut_ir
			J	JL 16 1984

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

Foam fractured by Halliburton on Dec. 14, 1983.

1st Stage - 5021'-23', 5181'-83', 5348'-77'; 181 Bbls., 25,000# Sand.

2nd Stage - 4414'-17', 4623'-37';161 Bbls., 17,500# Sand.

3rd Stage - 3755'-58', 3908'-78'; 161 Bbls; 17,500# Sand.

4th Stage 3347'-49', 3562'-80'; 108 Bbls; 30,000# Sand.

## WELL LOG

			3
			REMARKS Including indication of all fresh
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	and salt water, coal, oil and gas
			The same makes of the same year
Clay	0'	35'	
Sand	35	70	
Sand & Shale	70	180	
Sand	180	186	
Coa1	186	192	
Sand & Shale	192	310	
Open Mine	310	320	
Sand & Shale	320	595	Salt Water @ 405'
Red Rock	595	700	
Sand & Shale	700	730	
Shale Shale	730	737	
Sand	737	739	
Red Rock	739	745	
Sha1e	745	773	
Sand	773	778	
Shale Shale	778	798	
Sand	798	830	
Shale	830	855	
Sand	855	965	•
Sha1e	965	980	
Sand & Shale	980	990	
Sand	990	1065	
Sha1e	1065	1115	
Sand	1115	1315	
Sand & Shale	1315	1470	1
Red Rock	1470	1520	1
Little Lime	1520	1528	1
Red Rock	1528	1548	
Big Lime	1548	1624	1
Big Injun	1624	1710	
Sand & Shale	1710	3157	
Warren	3157	3350	1
Sand & Shale	3350	4612	
Riley	4612	4767	
Shale	4767	4792	1
Benson -	4792	4880	
Sand & Shale	4880	4953	
Alexander	4953	5055	1
Sand & Shale	5055	5990	
q Olivio	4444		

TOTAL DEPTH Brallier @TD.

(Attach separate sheets as necessary) 5990'

Carnegie Natural Gas Company
Well Operator

By: Kenneth H. Duray

Date: June 28, 1984

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 weal, encountered in the drilling of a well."

2) Operator's 1-1881

Well No.\_ - 0731 061 API Well No

B (If "Gas", Production X Underground storage Deep District: Cass County: Monongalia Quadrangle County: Monongalia Quadrangle Natural Gas Co.  Address 800 Regis Avenue Address Box Pittsburgh, PA 15236 Mann  OIL & GAS ROYALTY OWNER Mary D. Dudrear Address Acreage 121 131 COAL OWNER(S) WITH DECLAR Address 23 West Street Morgantown, WV 26505 Acreage 31 Norgantown, WV 26505 Acreage 31 Norgantown, WV 26505 Acreage 31 Norgantown, WV 26505 Address Morgantown, WV 26505 Address Morgantown, WV 26505 Address Fairmont, WV Print Bill Blosser Address	Osage Stephenson 387 Aington, WV 2650  Coal 066 ARATION ON RECORD: Coal Co. (1) 1314 AND COAL Mined Out  ATION ON RECORD:
WELL TYPE: A Oil GasX Underground storage Deep District: Cass County: Monongalia Quadrangle	Osage Stephenson 387 nington, WV 2650  Coal 066 ntown, WV 26505 ARATION ON RECORD: Coal Co. (1) 1314 n, WV 26505 Coal Mined Out  ATION ON RECORD:
WELL TYPE: A Oil GasX Underground storage Deep B (If "Gas", Production X Underground storage Deep B (If "Gas", Production X Watershed: Robinson Run	Osage Stephenson 387 nington, WV 2650  Coal 066 ntown, WV 26505 ARATION ON RECORD: Coal Co. (1) 1314 n, WV 26505 Coal Mined Out  ATION ON RECORD:
B (If "Gas", Production   X	Osage Stephenson 387 Sington, WV 2650  Coal 066 Stown, WV 26505  ARATION ON RECORD: Coal Co. (1) 1314 Stown, WV 26505  Coal Mined Out  ATION ON RECORD:
District:   Cass	Osage Stephenson 387 Sington, WV 2650  Coal 066 Stown, WV 26505  ARATION ON RECORD: Coal Co. (1) 1314 Stown, WV 26505  Coal Mined Out  ATION ON RECORD:
District:	Coal Coal Coal Coal Coal Coal Coal Coal
WELL OPERATOR   Carmegie Natural Gas Co.   Address   Box   Royalty Owner   Mary D. Dudrear   12   COAL OPERATOR   Prime   Address   Box   Many   Mesa, Arizona   85206   Morgan   Address   Box 1   Morgan   Address	Coal Coal Coal Coal Coal Coal Coal Coal
Address   Box   Pittsburgh, PA   15236   Mam	Coal Coal O66 ntown, WV 26505 ARATION ON RECORD: Coal Co. (1) 1314 n, WV 26505 Coal Mined Out ATION ON RECORD:
Pittsburgh, PA 15236	Coal 066 ntown, WV 26505 ARATION ON RECORD: Coal Co. (1) 1314 n, WV 26505 Coal Mined Out ATION ON RECORD:
ROYALTY OWNER	ntown, WV 26505 ARATION ON RECORD: Coal Co. (1) 1314 n, WV 26505 Coal Mined Out ATION ON RECORD:
Address	ntown, WV 26505 ARATION ON RECORD: Coal Co. (1) 1314 n, WV 26505 Coal Mined Out ATION ON RECORD:
Mesa, Arizona 85206   Morga   Acreage   121   13   COAL OWNER(S) WITH DECI   SURFACE OWNER   William L. Dipple, etux   Name   Consolidation     Address   23 West Street   Address   P.O. Box     Morgantown, WV 26505   Morgantow     Acreage   31   Name   (1) Pittsburgh     FIELD SALE (IF MADE) TO:   Address     Address   Address     Address   Address     OIL & GAS INSPECTOR TO BE NOTIFIED   Name   Mr. Bill Blosser   Address     Address   Fairmont, WV   Presently minin     PROPOSED WORK: Drill   X   Drill deeper   Redrill   Fracture or stimulate     Plug off old formation   Perforate new formation     Other physical change in well (specify)     GEOLOGICAL TARGET FORMATION, Elk     Estimated depth of completed well,   5990   feet     18 Approximate water strata depths: Fresh,   240370   feet; salt,   feet     19 Approximate coal seam depths:   160,260   Is coal being mined in the area? Yes     Total Coal Coal Coal Coal Coal Coal Coal Co	ntown, WV 26505 ARATION ON RECORD: Coal Co. (1) 1314 n, WV 26505 Coal Mined Out ATION ON RECORD:
Acreage 121  SURFACE OWNER William L. Dipple, etux Address 23 West Street Name Consolidation  Address P.O. Box  Morgantown, WV 26505  Acreage 31  FIELD SALE (IF MADE) TO: Address  Address  OIL & GAS INSPECTOR TO BE NOTIFIED Name Mr. Bill Blosser  Address  Fairmont, WV  PROPOSED WORK: Drill X Drill deeper Redrill Fracture or stimulate Plug off old formation Perforate new formation Other physical change in well (specify)  GEOLOGICAL TARGET FORMATION, Elk  19) Approximate water strata depths: Fresh, 240370 feet; salt, feet. 19) Approximate coal seam depths: Fresh, 260 Is coal being mined in the area? Yes	ARATION ON RECORD: Coal Co. (1) 1314 n, WV 26505 Coal Mined Out ATION ON RECORD:
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Address	1314 n, WV 26505 Coal Mined Out ATION ON RECORD:
Acreage 31  FIELD SALE (IF MADE) TO:  Address  Address  14) COAL LESSEE WITH DECLAR  OIL & GAS INSPECTOR TO BE NOTIFIED  Name Mr. Bill Blosser  Address  Fairmont, WV  PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate  Plug off old formation / Perforate new formation / Other physical change in well (specify)  GEOLOGICAL TARGET FORMATION, Elk  17) Estimated depth of completed well, 5990 feet  18) Approximate water strata depths: Fresh, 240.370 feet; salt, feet.  19) Approximate coal seam depths: If the same of the same o	Coal Mined Out  ATION ON RECORD:  The Mapletown S
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1 3 1	EL & GAS, DIVILION
	PT. OF MINE
CASING OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILLS	
TUBING TYPE Weight OR SACKS	P PACKERS
Size Grade per ft. New Used For drilling Left in well (Cubic feet)	
resh water 11 3/4 H-40 42 X 400 300 400 300 300 4	TS by Ruk 150
oal	Sizes
termediate 8 5/8 J-55 24 X 1720 1720 1720	
roduction 4 1/2 J-55 10.5 X 5990 2000'	Depths set OR BS RE
ubing	by Ruk 15
ners	Perforations:
	Top Bottom
EXTRACTION RIGHTS	
Check and provide one of the following:	
Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract of	or gas.
The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)	-
ROYALTY PROVISIONS	
Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts prosimilar provision for compensation to the owner of the oil or gas in place which is not inherently related to the vo	iding for flat well royalty or a
produced or marketed? Yes 🔼 No 📋	diffe of off of gas so extracte
e answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60. Required Copies (See reverse side.)	
Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or	4-15
named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Ar	nelication to the Donate
Mines at Charleston, West Virginia.	DUCATION TO THE DEPARTMENT.
Totary 11 1 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	pheation to the Department
Signed:	paramon to the Department
Mines at Charleston, West Virginia.  Notary: Signed: President  Its: President	pheation to the Department
	Financial to the Department
OFFICE USE ONLY	General to the Department
Pen de	19 Date August 26, 198

quirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector.

(Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

proper district on	and bas inspector a	or mound octobe a	ctual permitteu	WOLK HAS COL	imenced.)
Permit expires _	August 26,	1985		unless d	rilling is commenced prior to that date and prosecuted with due diligence.
Bond:	Agent:	Plat:	Casing	Fee 39713	Administrator, Office of Oil and Gas