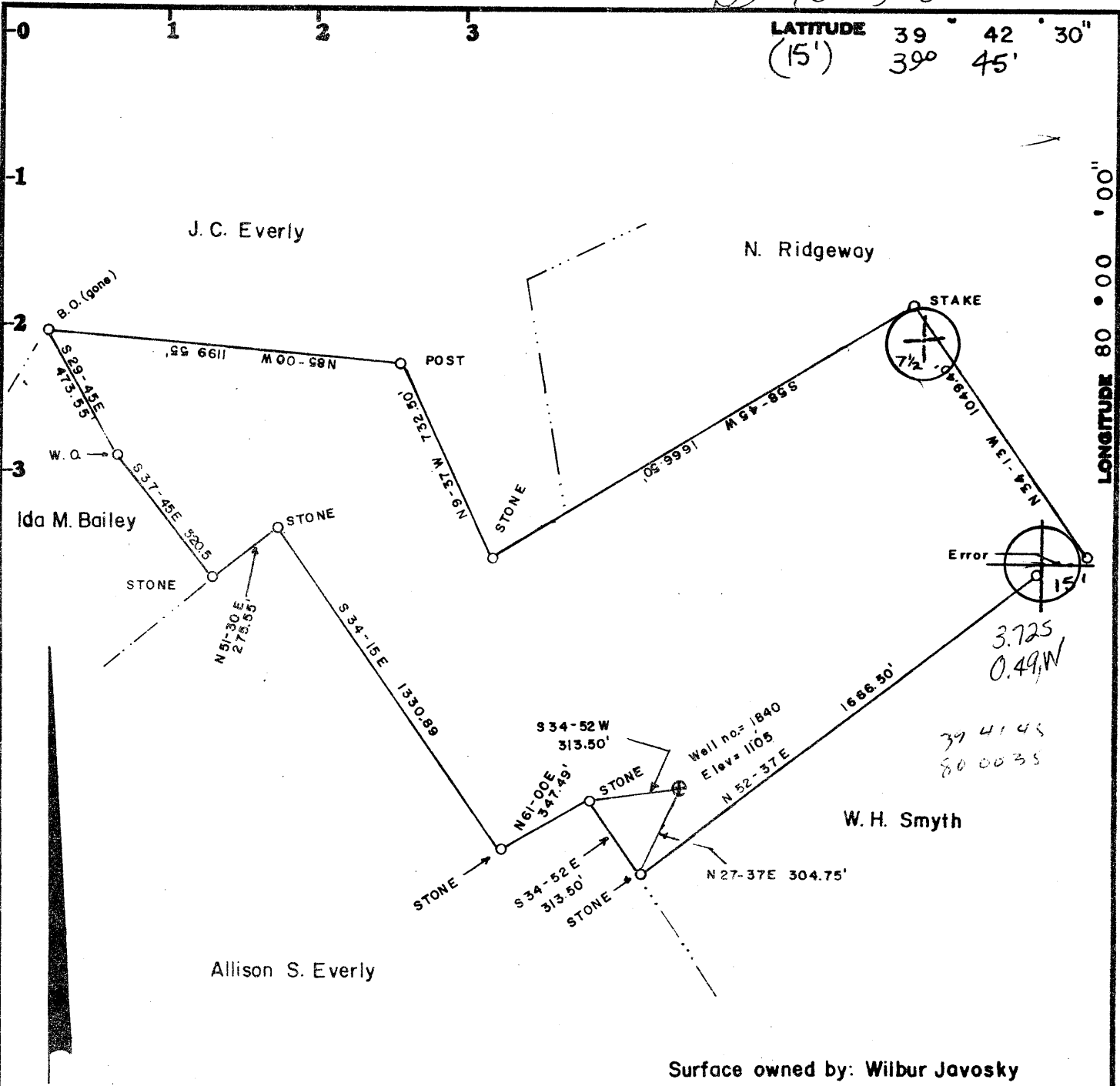


10-3-80



Minimum Error of Closure 1 in 200'

Source of Elevation taken from intersection of roads leading to Bethel Church and Radio Station (WJAR) = 1236'

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.

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: \_\_\_\_\_  
 Squares: N S E W

Map No. \_\_\_\_\_

Company CARNEGIE NATURAL GAS CO.  
 Address Munhall, Pennsylvania  
 Farm SAMUEL EVERLY  
 Tract \_\_\_\_\_ Acres 68.425 Lease No. 12015  
 Well (Farm) No. \_\_\_\_\_ Serial No. 1-1840  
 Elevation (Spirit Level) 1105'  
 Quadrangle Osage 7 1/2' BLACKSVILLE 15' NE  
 County Monongalia District Cass  
 Engineer Walter G. Gilbertson  
 Engineer's Registration No. C.E. 5112  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Sept. 18, 1980 Scale 1" = 500'

**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**  
061-0612  
 FILE NO. \_\_\_\_\_

+ Denotes location of well on United States Topographic Maps, scale 1 to \_\_\_\_\_, latitude and longitude lines being represented by border lines as shown.  
 - Denotes one inch spaces on border line of original tracing.

Oil and Gas Division

WELL RECORD

Rotary  Oil   
 Cable  Gas   
 Recycling  Comb.   
 Water Flood  Storage   
 Disposal  (Kind)

Quadrangle Geage 74  
 Permit No. 47-961-0612

Company Carnegie Natural Gas Company  
 Address 3904 Main St., Monhall, Pa. 15120  
 Farm Samuel Ewary Acres 68.425  
 Location (waters) Branch of Robinson Run  
 Well No. 1-1840 Elev. 1105'  
 District Case County Monongalia  
 The surface of tract is owned in fee by Wilbert Jawosky  
 Address Waldersville, WV 26541  
 Mineral rights are owned by Wilbert Jawosky  
 Address Waldersville, WV 26541  
 Drilling Commenced October 21, 1980  
 Drilling Completed October 26, 1980  
 Initial open flow 2,300 cu. ft.        bbls.  
 Final production 57,720 cu. ft. per day        bbls.  
 Well open        hrs. before test        RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill u. Cu. ft. (Sk.)
Size 20-16			
Cond. 13-10"	11/3-4	29	
9 5/8	1545	1545	380 sacks
8 5/8			
7			
5 1/2			
4 1/2			
3	2947	2947	215 sacks
2			
Liners Used			

Well treatment details:

Attach copy of cementing record. 58 MCF

Fractured 11/19/80

Blurred back to 2947'

Explanations:	1st Stage	2nd Stage	3rd Stage
<u>2261-2361</u> 21 holes	<u>20,000# 80/100 Sand</u>	<u>20,000# 80/100 Sand</u>	<u>20,000# 80/100 Sand</u>
<u>2608-2618</u> 9 holes	<u>40,000# 20/40 Sand</u>	<u>40,000# 20/40 Sand</u>	<u>40,000# 20/40 Sand</u>
<u>2723-2743</u> 9 holes	<u>500 Gals. HCL15% Acid</u>	<u>500 Gals. HCL15% Acid</u>	<u>500 Gals. HCL15% Acid</u>
<u>2822-2844</u> 14 holes	<u>560 Bbl. Water</u>	<u>560 Bbl. Water</u>	<u>560 Bbl. Water</u>

Coal was encountered at 265-269, 321-325 Feet 48", 49" Inches

Fresh water 65", 90', 370' Feet        Salt Water 1380' Feet

Producing Sand Gantz-Fifty Foot 2261-2361, Fourth & Fifth 54h 2608-2747, Bayard Sand 2821-2844

PI care parts

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay	Yellow		0	9		
Shale	Gray		9	20		
Sand	Gray-white		20	180		
Sandy Shale	Gray		180	230		Water at 65' Show
Shale	Gray		230	265		Water at 90' 1/4"
Coal	Black		265	269		
Limy Shale	Gray		269	321		
Coal	Black		321	325		
Shale	Gray		325	340		
Shale	Black		340	375		Water at 370' 1"
Sand & Shale	Gray		375	435		
Sand	Gray		435	450		
Shale	Gray		450	660		
Red Rock & Shale	Red & Gray		660	715		
Shale	Gray		715	810		
Limy Shale	Gray		810	875		
Shale	Gray		875	895		
Sand	White		895	1060		
Sand & Shale	Gray		1060	1155		
Sand	White		1155	1430		
Sand	Gray		1430	1495		Water at 1380" 2"

RECEIVED

OCT 5 - 1981

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

\* Indicates Electric Log tops in the remarks section.

(over)

OCT 22 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale & Red rock	Gray		1495	1572		
L. Lime			1572	1600		
Shale	Gray		1600	1615		
Big Lime	Cream		1615	1780		
Sand	White		1780	1820		
Shale	Gray		1820	2325		
Sand	White		2325	2385		
Shale	Gray		2385	2810		
Sand	Gray		2810	2835		
Shale	Gray		2835	2980		
Sand	Gray		2980	2996		
Total Depth				2996		
				PB to 2447		
						Conty 150 Ft - 2261-2361
						4 <sup>th</sup> /5 <sup>th</sup> - 2608-2747
						Bayard 2821-2843

NOTE: Regulation 2.02(i) provides as follows:

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

Date October 1, 1981

APPROVED Kenneth H. Purvey, Owner



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

OCT - 3 1980

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION  
DEPT. OF MINES

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE Sept. 29, 1980  
Company Carnegie Natural Gas Company  
Address 3904 Main St., Munhall, Pa. 15120  
Farm Samuel Everly Acres 68.425  
Location (waters) Branch of Robinson Run  
Well No. 1-1840 Elevation 1105'  
District Cass County Monongalia  
Quadrangle Osage 7 1/2", Blacksville, NE

Surface Owner Wilbert Javosky  
Address Maidsville, WV 26541  
Mineral Owner Wilbert Javosky  
Address Maidsville, WV 26541  
Coal Owner Consolidation Coal Co.  
Address Northern Div., Morgantown, WV 26505  
Coal Operator \_\_\_\_\_

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 drilling. This permit shall expire if operations have not commenced by 6-15-81.

[Signature]  
Deputy Director - Oil & Gas Division

INSPECTOR  
TO BE NOTIFIED William Blosser  
ADDRESS PO Box 1028, Colfax, WV 26566  
PHONE 304-363-9105

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated July 3 19 25 by Samuel Everly to J. A. Phillips, assigned to Carnegie Nat. Gas Co. and recorded on the 27th day of August 19 25 in Monongalia County, Book 205 Page 132

NEW WELL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND  
ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address  
of  
Well Operator

Very truly yours,  
**CARNEGIE NATURAL GAS COMPANY**  
(Sign Name) James L. Stephenson  
Well Operator Div. Supt.  
3904 Main St.  
Street  
Munhall, Pa. 15120  
City or Town  
Pa. 15120  
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.

47-061-0612 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by \_\_\_\_\_

BLANKET BOND

[Signature]

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

PROPOSED WORK ORDER TO X DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:  
 NAME S. W. Jack Drilling Co. NAME James C. Stephenson  
 ADDRESS Box 48, Buckhannon, WV 26201 ADDRESS PO Box 387, Mannington, WV 26582  
 TELEPHONE 304 - 472 - 9403 TELEPHONE 304 - 986 - 2060  
 ESTIMATED DEPTH OF COMPLETED WELL: 3200' ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Bayard  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS X COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 <b>13"</b>	<b>31</b>	<b>31</b>	<b>None</b>
9 - 5/8 <b>11-3/4"</b>	<b>320</b>	<b>320</b>	<b>To surface.</b>
8 - 5/8	<b>1500</b>	<b>1500</b>	<b>To surface.</b>
7			
5 1/2			
4 1/2	<b>3200</b>	<b>3200</b>	<b>425'</b>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 80' 425' FEET SALT WATER \_\_\_\_\_ FEET

APPROXIMATE COAL DEPTHS 185' and 285'

IS COAL BEING MINED IN THE AREA? No BY WHOM? Pittsburgh Coal mined out.

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
For Coal Company

\_\_\_\_\_  
Official Title