

FILE NO. F2-OG-35
 DRAWING NO. F2-2-125
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/2500'
 PROVEN SOURCE OF ELEVATION USGS BM 122 RHP 1957 1466

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) _____
 R.P.E. _____ L.L.S. _____

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



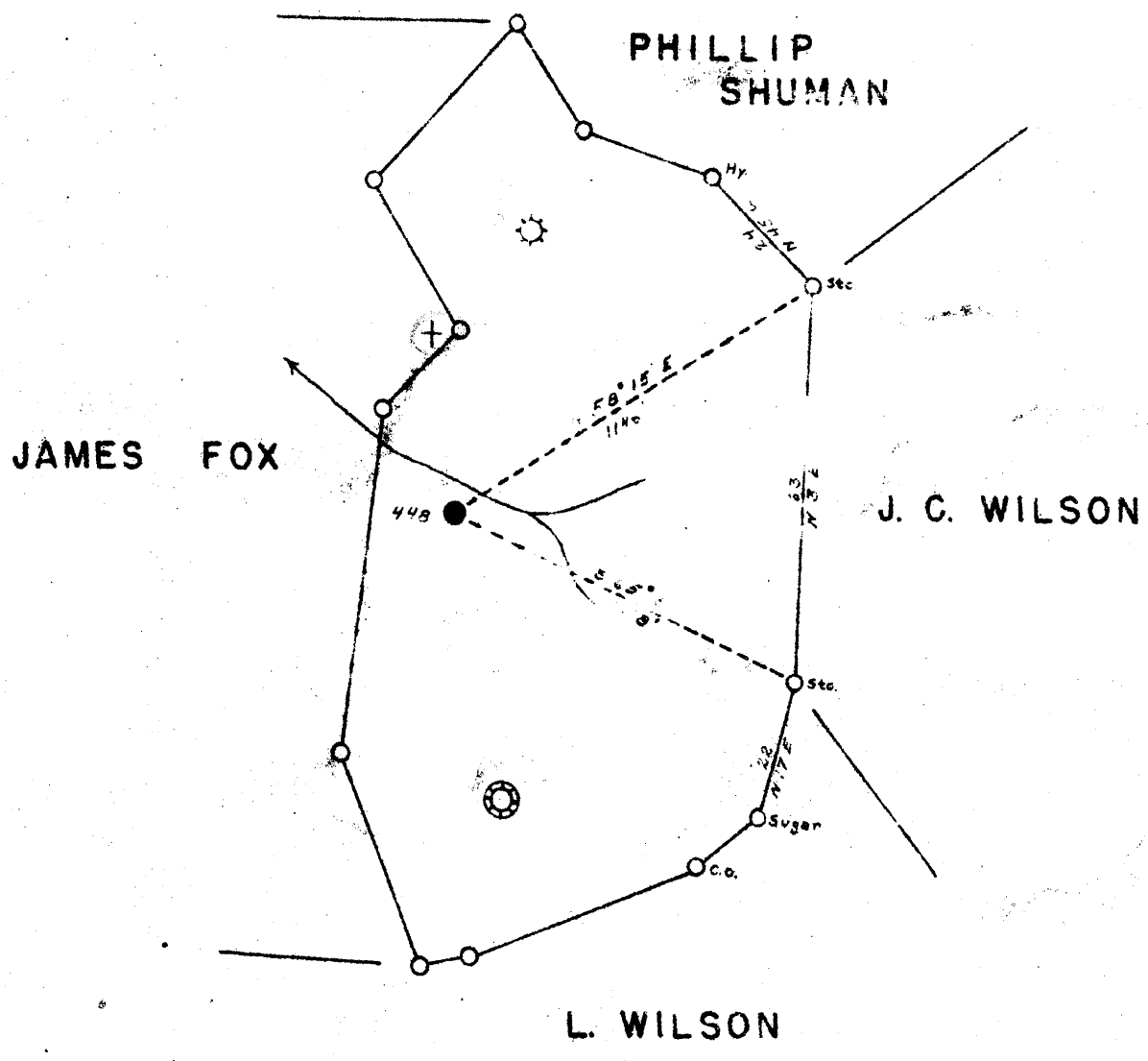
DATE MARCH 5, 19 82
 OPERATOR'S WELL NO F2-81
 API WELL NO. 47-061-0689-R-P
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1225.28 WATER SHED MIRACLE RUN
 DISTRICT BATTELLE COUNTY MONONGALIA
 QUADRANGLE BLACKSVILLE 7-1/2'
 SURFACE OWNER PHILLIP SHUMAN ACREAGE 51.75
 OIL & GAS ROYALTY OWNER PENNZOIL CO. LEASE ACREAGE 52
 LEASE NO. 5891
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUS OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN-OUT AND REPLUG
 TARGET FORMATION BAYARD SAND ESTIMATED DEPTH 3450'
 WELL OPERATOR EASTERN ASSOC. COAL CORP. DESIGNATED AGENT SAME
 ADDRESS FEDERAL NO. 2 MINE, RT. 1 FAIRVIEW, WV 26570 ADDRESS _____

APR 16 1982

Longitude 80 10



New Location
 Drill Deeper
 Abandonment

✓ MAY - 1948

Handwritten signature and initials

Company	CARNEGIE NATURAL GAS
Address	PITTSBURGH, PA.
Farm	PHILLIP SHUMAN
Tract	Acres 52 Lease No. 5891-54
Well (Farm) No.	2 Serial No. E-448
Elevation (Spirit Level)	1227'
Quadrangle	BLACKSVILLE NW
County	MONONGALIA District BATTLE
Engineer	R. L. SWEENEY
Engineer's Registration No.	
File No.	Drawing No.
Date	4-22-48 Scale 1"=30 POLES

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

WELL LOCATION MAP
 FILE NO. MON-351-A

reassigned to 689
 + Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

PHILLIP SHUMAN No. 2 (E-448) - CARNEGIE N.G. Co. - MON-351-A

589
Monongalia



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

423

WELL RECORD

Permit No. 351-A

WELL TO BE ABANDONED

Oil or Gas Well OIL
(KIND)

Company CARNEGIE NATURAL GAS COMPANY
 Address 1015 Frick Bldg., PITTSBURGH, PA.
 Farm PHILIP SHUMAN Acres 52
 Location (waters) _____
 Well No. 2-448 Elev. 1227
 District BATTELIE County MONONGALIA
 The surface of tract is owned in fee by PHILIP SHUMAN ESTATE
Albert Shuman, Atty-in-Fact Address Morgantown, W.Va.
 Mineral rights are owned by PHILIP SHUMAN ESTATE
Albert Shuman, Atty-in-Fact Address Morgantown, W.Va.
 Drilling commenced 3-6-14
 Drilling completed 4-24-14
 Date Shot See below From _____ To _____
 With _____
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water 1797-1805 feet _____ feet

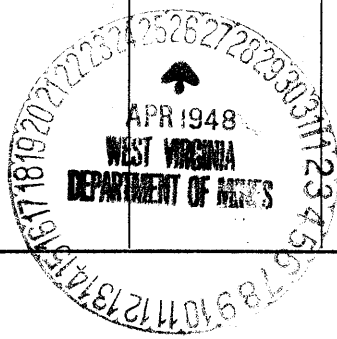
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13	<u>1 1/2</u>	<u>None</u>	
10	<u>12 1/2</u>	<u>12 1/2</u>	Size of
8 1/4	<u>1870</u>	<u>1870</u>	
6 1/2	<u>2136</u>	<u>2136</u>	Depth set
5 3/16			
3			Perf. top
2	<u>2305</u>	<u>2305</u>	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Dat _____

COAL WAS ENCOUNTERED AT 800 FEET _____ INCHES
889 FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Mapleton Coal			800	806			
Pittsburgh Coal			889	900			
Little Dunkard			1262	1274			
Big Dunkard			1400	1450			
Gas Sand			1650	1674			
1st Salt Sand			1680	1710			
2nd Salt Sand			1774	1858	Water	1797-1805	
Maxton Sand			2030	2037			
Little Lime			2107	2114			
Pencil Cave			2114	2119			
Big Lime			2119	2174	Gas	2198	
Big Injun			2174		Oil	2286-2295	
TOTAL DEPTH				2305			

SHOW 4-15-19 from 2286 to 2293
 9-23-24 " 2286 to 2294
 4-1-48 " 2285 to 2297



SEP 23 1948

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date APRIL 23, 194⁸

APPROVED CARNEGIE NATURAL GAS COMPANY, Owner

By B. N. Archer
(Title) Land Agent.

RECEIVED

MAR 19 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE March 5, 1982

Surface Owner Shuman Heirs (c/o Robert L. Shuman) Company Eastern Associated Coal Corp.
 Address 529 High St., Morgantown, WV 26505 Address Rt. 1, Fairview, WV 26570
 Mineral Owner Wheeling Dollar Savings & Trust Farm Phillip Shuman Acres 52
 Address 1315 Market St., Wheeling, WV 26003 Location (waters) Miracle Run
 Coal Owner Wheeling Dollar Savings & Trust Well No. E2-81 Elevation 1225.28
 Address 1315 Market St., Wheeling, WV 26003 District Battelle County Monongalia
 Coal Operator Eastern Associated Coal Corp. Quadrangle Blacksville 7 1/2'
 Address Rt. 1, Fairview, WV 26570

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
 ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
 ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
 APPROVED FOR redrilling. THIS PERMIT SHALL EXPIRE 11-29-82
 IF OPERATIONS HAVE NOT COMMENCED BY 11-29-82.
 BY [Signature]

INSPECTOR William Blosser
 TO BE NOTIFIED Colfax, WV
 ADDRESS Colfax, WV
 PHONE 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 _____ 19____ by _____ made to _____ and recorded on the _____ day of _____ 19____, in _____ County, Book _____ Page _____

_____NEW WELL _____DRILL DEEPER XXX REDRILL _____FRACTURE OR STIMULATE
XXX 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

Very truly yours,
 (Sign Name) John A. Veitch TEB
 Well Operator
 Eastern Associated Coal Corp.
 Federal No. 2 Mine, Rt. 1
 Street
 Fairview
 City or Town
 West Virginia 26570
 State

Address of Well Operator

*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 recieving 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 BOND

47-061-0689-RED.
 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 _____

Shuman

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

PROPOSED WORK ORDER TO XXX Re-DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Chisler Brothers _____ NAME Eastern Associated Coal Corp. _____
 ADDRESS Pentress, WV _____ ADDRESS Fed. No. 2 Mine, Rt. 1, Fairview, WV _____
 TELEPHONE 304-879-5511 _____ TELEPHONE 304-449-1911 _____ 2657
 ESTIMATED DEPTH OF COMPLETED WELL: 3450' _____ ROTARY _____ CABLE TOOLS XXX _____
 PROPOSED GEOLOGICAL FORMATION: Bavard Sand _____
 TYPE OF WELL: OIL XXX _____ GAS _____ 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			
9 - 5/8			
8 - 5/8			
7			
5 1/2			
4 1/2		+900'	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

(see att. plugging permit)

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____

APPROXIMATE COAL DEPTHS Pittsburgh Seam, 900' _____

IS COAL BEING MINED IN THE AREA? Yes _____ BY WHOM? EACC, Fed. No. 2 Mine _____

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 Eastern Associated 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 Eastern Associated 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.

John A. Veitch TEB
For Coal Company
Resident Engineer
Official Title

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED

JUN - 7 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

Eastern Associated Coal Corp.
Rt. 1 COAL OPERATOR OR OWNER
Fairview, WV 26570
ADDRESS

Wheeling Dollar Savings and Trust
1315 Market COAL OPERATOR OR OWNER
Wheeling, WV 26003
ADDRESS

Shuman Heirs (c/o Robert L. Shuman)
529 High St. LEASE OR PROPERTY OWNER
Morgantown, WV 26505
ADDRESS

Eastern Associated Coal Corp.
Rt. 1 NAME OF WELL OPERATOR
Fairview, WV 26570
COMPLETE ADDRESS

June 4 1982
WELL AND LOCATION

Battelle District

Monongalia County

Well No. EACC-F2-81

Phillip Shuman Farm

STATE INSPECTOR SUPERVISING PLUGGING William Blosser

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Monongalia } ss:
Bob R. Chisler and Roy Dale Chisler

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Chisler Brothers well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 17th day of May, 1982, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSS PULLED	CSS LEFT IN
1. Cleaned out well to a depth of 1708 feet.				
2. Perforated 10" casing at the Pittsburgh Seam.				
3. Ran 2-3/8" tubing to 1690 ft., pumped in 8 bags of gel. Pulled 2-3/8" tubing to 1225 ft., pumped 100 bags of Chem-comp cement.				
4. Ran 4 1/2" casing to 1149 ft. and tagged top of cement. Pumped bag of gel and 100 bags of Chem-comp cement. Pulled 4 1/2" casing to 999 ft. and pumped 400 bags of Portland cement, then pumped 200 bags of Chem-comp cement. Pumped 4" wiper plug down to 993 feet.			Set 4 1/2" casing, total of 999 ft. starting at the surface.	
5. Ran 2-3/8" tubing outside of 4 1/2" casing, tagged top of cement at 60 ft., pumped 136 bags of Portland cement to the surface.				
COAL SEAMS			DESCRIPTION OF MONUMENT	
(NAME)			4 1/2" x 2" swedge with 2" stop at surface. 2" pipe with metal plate monument welded to 2" pipe.	
(NAME)				
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 3rd day of June, 1982.

And further deponents saith not.

Sworn to and subscribed before me this 5th day of June, 1982.

My commission expires:
May 24, 1987

Bob R. Chisler
Roy Dale Chisler
William J. Tuttle

Notary Public.

Permit No. MON-689