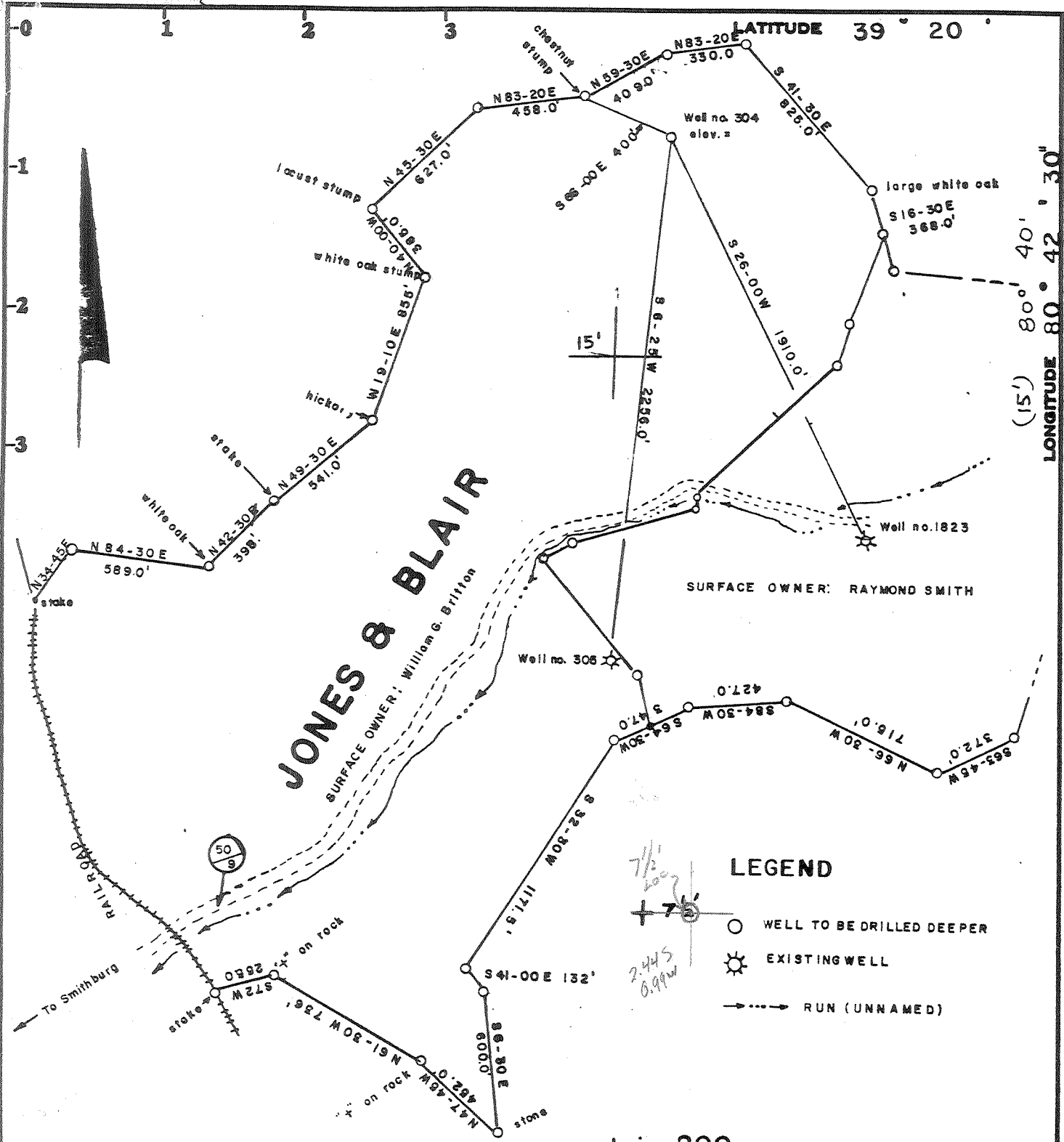


7-32 155 8-6-80



Minimum Error of Closure 1 in 200

Source of Elevation Take from well no. 1823 = 938'

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

calc 15 loc
 2.445
 3.22W

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.

Signed: *Walter G. Gilbertson*
 Squares: N S E W

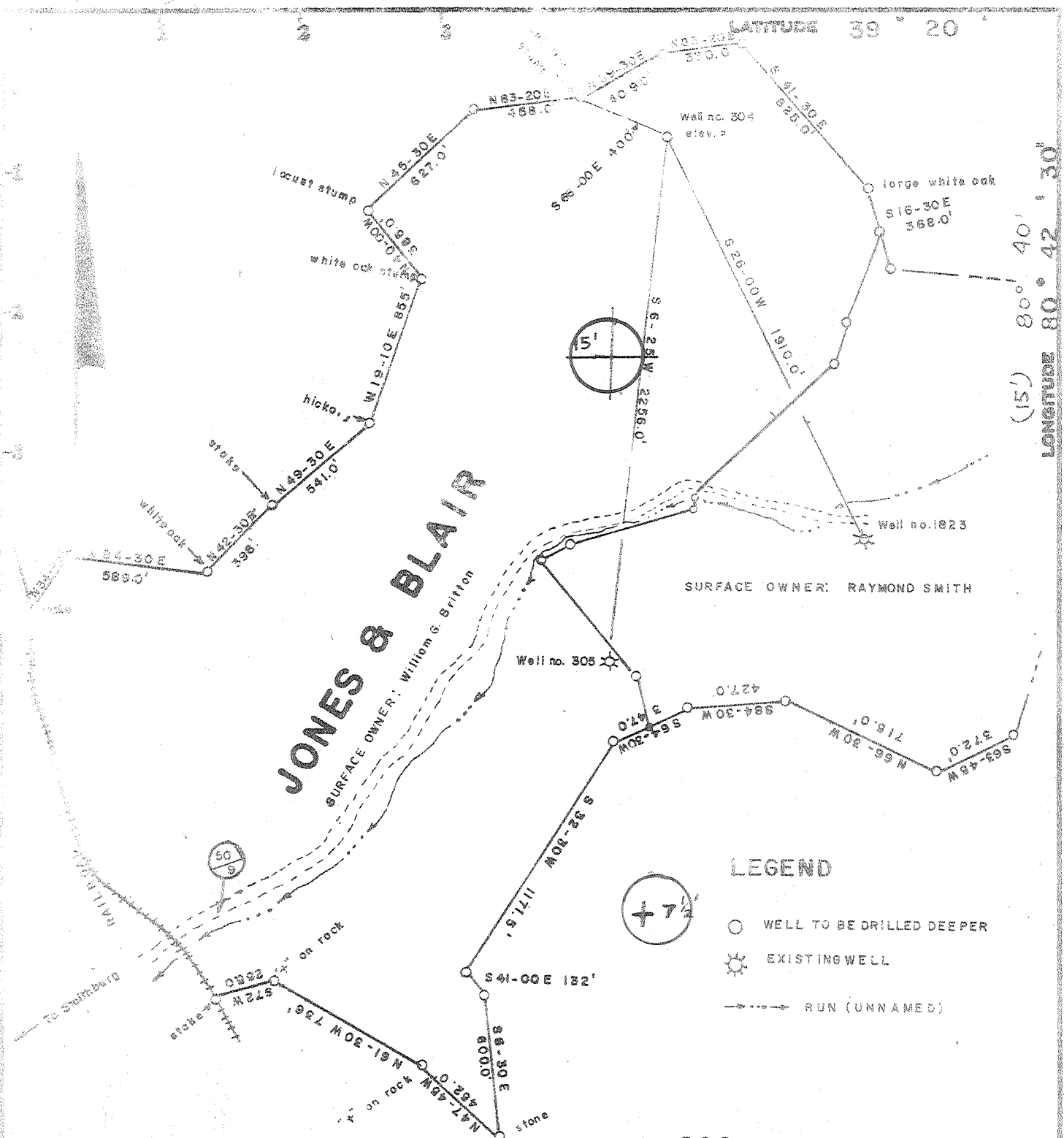
Map No.

Company CARNEGIE NATURAL GAS
 Address MUNHALL, PENN.
 Farm JONES & BLAIR
 Tract _____ Acres 220.2 Lease No. 4624
 Well (Farm) No. 3 Serial No. 304
 Elevation (Spirit Level) 1147' CENTERPOINT 15'
 Quadrangle SMITHBURG 7 1/2'
 County DODDRIDGE District WEST UNION
 Engineer Walter G. Gilbertson
 Engineer's Registration No. C.E. 5112
 File No. _____ Drawing No. _____
 Date JULY 6, 1980 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. 017-2020-DE-P

+ 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. 5400 ALEXANDER
 AUG 24 1981



Minimum Error of Closure 1 in 200

Source of Elevation Take from well no. 1823 = 938'

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
- Amendment

Signed: _____
Squares: N S E W

Map No. _____

Company: CARNEGIE NATURAL GAS
 Address: MUNHALL, PENN.
 Firm: JONES & BLAIR
 Acres: 220.2 Lease No. 4624
 Well (Farm) No. _____ Serial No. 304
 Elevation (Spirit Level) 1147' CENTERPOINT 15'
 Quadrangle SMITHBURG 7 1/2'
 County DODDRIDGE District WEST UNION
 Engineer's Registration No. _____
 Drawing No. _____
 Date: JULY 6, 1980 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. 017-2020-DD

+ 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. 5400 ALEXANDER



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUL 30 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 July 29, 1980

Surface Owner Bill Britton Company Carnegie Natural Gas Company
 Address Smithburg, West Va. Address 3904 Main Street, Sunhall, Pa. 15120
 Mineral Owner Union National Bank, Trustee for Farm Jonas & Blair Acres 220
S. L. Smith & others Location (waters) _____
 Address Clarksburg, West Va. 26102 Well No. 301 Elevation 1117'
 Coal Owner _____ District West Union County Doddridge
 Address _____ Quadrangle Centerpoint S.W.
 Coal Operator _____
 Address _____

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 4-6-81.

INSPECTOR TO BE NOTIFIED P. Garrett

ADDRESS _____

PHONE 622-3871

Fred B. Russell
Deputy Director - Oil & Gas Division

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 February 20, 1902 by A. C. Jones & Ella M. Blair made to Carnegie Natural Gas Company and recorded on the _____ day of _____ 19____, in Doddridge County, Book 10 Page 192

_____NEW WELL _____DRILL DEEPER X _____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) W. S. Yoho
 Well Operator
3904 Main Street,
 Street
Sunhall,
 City or Town
Pennsylvania, 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.

BLANKET BOND

Survey

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

PROPOSED WORK ORDER TO _____ DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME _____
 ADDRESS _____ ADDRESS _____
 TELEPHONE _____ TELEPHONE _____
 ESTIMATED DEPTH OF COMPLETED WELL: _____ ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: _____
 TYPE OF WELL: OIL _____ 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	500'	500'	400'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

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

APPROXIMATE COAL DEPTHS _____

IS COAL BEING MINED IN THE AREA? _____ BY WHOM? _____

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

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

RECEIVED

MAR 7 1983

AFFIDAVIT OF PLUGGING AND FILLING WELLS

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, 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.

No Commercial Coal
COAL OPERATOR OR OWNER

ADDRESS

COAL OPERATOR OR OWNER

ADDRESS

Jones & Blair
LEASE OR PROPERTY OWNER

ADDRESS

Carnegie Natural Gas Company
NAME OF WELL OPERATOR
800 Regis Ave.
1200 Main Street, Pittsburgh, Pa.
COMPLETE ADDRESS

February 23, 19 83
WELL AND LOCATION
West Union District
Doddridge County

Well No. #3-304

Farm

STATE INSPECTOR SUPERVISING PLUGGING Steve Casey, Jane Lew, West Va.
Phone No. 884-7470

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Doddridge } SS:
H. E. Goff

and W. T. Henline

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 Carnegie Natural Gas Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 18 day of January, 19 83, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSG PULLED	CSG LEFT IN
10 bags	Cement 2115-2099 Clay 2099-1865	8 1/2" Casing 7" Casing	312'	70 1/2'
10 bags	Cement 1865-1840 Clay 1840-1200 Bridged Clay 307- 295			
25 bags	Cement 295- 235 Clay 235- 50			
22 bags	Cement 50- to surface			
	Marker as required by rule 2.11			
COAL SEAMS (NAME) <u>None</u>		DESCRIPTION OF MONUMENT		
(NAME)				
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 18 day of February, 19 83.

And further deponents saith not.

Hubert E. Goff
W. T. Henline

Sworn to and subscribed before me this 24 day of February, 19 83.

Paul A. Williams

My commission expires:
August 12, 1992

Notary Public.

Permit No. 47-017-2020-DD-P

DDDD, 2020-DD-P

WELL OPERATOR'S REPORT
OF

[06-78,

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

017-20207

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production ___ / Underground storage ___ / Deep ___ / Shallow X)

LOCATION: Elevation: 1147 Watershed: Middle Island Creek
District: West Union County: Doddridge Quadrangle: Smithburg

WELL OPERATOR Carnegie Natural Gas Company DESIGNATED AGENT W. L. Yoho
Address 3904 Main Street Address % Carnegie Natural Gas Company
Munhall, PA 15120 Toll Gate, WV 26142

PERMITTED WORK: Drill ___ / Convert ___ / Drill deeper ___ / Re-drill ___ / Fracture or stimulate ___
___ of old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) ORIGINAL RECORD

RECEIVED
AUG 1 1980

PERMIT ISSUED ON DIVISION OF MINES, 19___ OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE) RESCUE OR DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED
Name ___
Address ___

GEOLOGICAL TARGET FORMATION: _____ Depth _____ feet
Depth of completed well, 2,810 feet Rotary ___ / Cable Tools X
Water strata depth: Fresh, _____ feet; salt, _____ feet.
Coal seam depths: _____ Is coal being mined in the area? No
Work was commenced January 20, 1927, and completed February 11, 1927

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	REMARKS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kind HW
Fresh water	10-3/4					147	147	
Coal	8-5/8					1016	1016	Size 6-5/8 x2
Intermediate	7					1845	1845	
Production	2					2810	2810	Perfor set 1881
Tubing								
Liners								

OPEN FLOW DATA

Production formation Big Injun Pay zone depth 2001-2020
Date: Initial open flow, Not Reported hrs Date: Initial open flow, _____ hrs
Final open flow, _____ hrs Date: Final open flow, _____ hrs
Time: Open flow between initial and final tests, _____ hours
Stabilize procedure, 525 psi surface measurement after ? hours shut in
(If applicable, give multiple correlation--)
Second production formation Gordon Pay zone depth _____
Date: Initial open flow, 283 hrs Date: Initial open flow, _____ hrs
Final open flow, 283 hrs Date: Final open flow, _____ hrs
Time: Open flow between initial and final tests, _____ hours
Stabilize procedure, 85 psi surface measurement after ? hours shut in

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

Shot 2616' to 2628' with 25 quarts

LL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Maxton			1604	1642	Show gas
Injun			1906	2042	Gas
Gantz			2180	2285	
50 Foot			2365	2395	
30 Foot			2440	2450	
Gordon Stray			2584	2605	
Gordon			2616	2628	

TD
2810

(Attach separate sheets if complete as necessary)

Carnegie Natural Gas Company

Well Operator

By

Roger T. Ludwig

I.S.

Sr. Geologist

RE: Regulation 2.01(1) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."