FORM WW-2(B) **FILE COPY**
(Obverse)
7/85

RECEIVED
AUG 28 1985
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: August 23, 19 85
2) Operator's Well No. 1753
3) API Well No. 47 -041-1123-D
State County Permit

Formerley 47-041-1123

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

**APPLICATION FOR A WELL WORK PERMIT**

4) WELL TYPE: A Oil ____ / Gas X /
B (If "Gas", Production X / Underground storage ____ / Deep ____ / Shallow X /)

5) LOCATION: Elevation: 1173' Watershed: Walnut Fork of Fink
District: Freeman's Creek County: Lewis Quadrangle: Vadis 646

6) WELL OPERATOR Carnegie Gas CODE: 8650
Address 800 Regis Avenue
Pittsburgh, PA 15236

7) DESIGNATED AGENT J.C. Stephenson
Address Box 387
Mannington, WV 26582

8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Stephen Casey
Address Rt. 2, Box 232-D
Jane Lew, WV 26378

9) DRILLING CONTRACTOR:
Name Spencer Enterprises
Address West Union, WV 26456

10) PROPOSED WELL WORK: Drill ____ / Drill deeper X / Redrill ____ / Stimulate X /
Plug off old formation ____ / Perforate new formation ____ /
Other physical change in well (specify) ____

11) GEOLOGICAL TARGET FORMATION, Elk

12) Estimated depth of completed well, 5200 feet

13) Approximate trata depths: Fresh, Behind Pipe feet; salt, None feet.

14) Approximate coal seam depths: 228'-232'; 640-641' Is coal being mined in the area? Yes X / No ____ /

15) CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS Size | Grade | Weight per ft. | New | Used | FOOTAGE INTERVALS For drilling | Left in well | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS |
|---|---|---|---|---|---|---|---|---|---|
| Conductor | | | | | | | | | Kinds |
| Fresh water * | 10 3/4" | | | | | 354' | 354' | | |
| Coal * | 8 5/8" | | | | | 1182' | 1182' | | Sizes |
| Intermediate * | 7" | | | | | 1895' | 1895' | 300' | |
| Production | 4 1/2 | J-55 | 10.5 | X | | | 5200' | 2500' | Depths set |
| Tubing | | | | | | | | | |
| Linc.. | | | | | | | | | Perforations: |
| | | | | | | | | | Top Bottom |

*Existing Pipe In Well

OFFICE USE ONLY
**DRILLING PERMIT**

Permit number 47-041-1123-D

September 16 19 85
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements 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. 8) 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.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires September 16, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

| Bond: | Agent: | Plat: | Casing | Fee | WPCP | S&E | Other |
|---|---|---|---|---|---|---|---|
| | | | | 1545/15 | | | |

NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

12/29/2023

**See the reverse side of the APPLICANT'S COPY for instructions to the well operator.**

FORM WW-2(B) **FILE COPY**
Reverse

OFFICE USE ONLY

**PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK**

OFFICE USE ONLY

This part of Form WW-2(B) is to record the dates of certain occurrences and any follow-up inspections.

| | Date | | Date(s) |
|---|---|---|---|
| Application received | | Follow-up inspection(s) | |
| Well work started | | " | " |
| Completion of the drilling process | | " | " |
| Well Record received | | " | " |
| Reclamation completed | | " | " |

OTHER INSPECTIONS

Reason: _____

Reason: _____

12/29/2023

File

RECEIVED
AUG 28 1985
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Rec'd. (WFSCD)
AUG 5 1985

WW-9

State of West Virginia
Department of ENERGY
Oil and Gas Division

DATE AUGUST 1, 1985
WELL NO. 1753
API NO. 47 - 041 - 1123 - DD

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME CARNEGIE NATURAL GAS CO.
Address 800 REGIS AVE., PGH., PA. 15236
Telephone (412) 655-8510
LANDOWNER EDDIE L. BARKER
Revegetation to be carried out by SAME (Agent)

DESIGNATED AGENT J.C. STEPHENSON
Address BOX 387, MANNINGTON, WV 26582
Telephone (304) 986-2060
SOIL CONS. DISTRICT WEST FORK

This plan has been reviewed by WEST FORK SCD. All corrections and additions become a part of this plan: 8/12/85 (Date)

Kenneth E Knight
(SCD Agent)

ACCESS ROAD

Structure DRAINAGE DITCH (A)
Spacing INSIDE ROAD CUTS
Page Ref. Manual 2-12

Structure CROSS DRAIN (B)
Spacing ~~1 REQUIRED~~ (AS SHOWN) with riprapped outlet
Page Ref. Manual 2-17

Structure (C)
Spacing
Page Ref. Manual

LOCATION

Structure DIVERSION DITCH (1)
Material EARTHEN
Page Ref. Manual 2-12

Structure FILTER STRIP (2)
Material UNDISTURBED NATURAL VEGETATION
Page Ref. Manual 2-16

Structure (3)
Material
Page Ref. Manual

*All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.*

REVEGETATION

Treatment Area I

* Lime 2 Tons/acre
or correct to pH 6.5
Fertilizer 1000 lbs/acre
(10-20-20 or equivalent)
Mulch HAY 2 Tons/acre
Seed* ORCHARD GRASS 10 lbs/acre
RED CLOVER 12 lbs/acre
ALSIKE CLOVER 4 lbs/acre

Note:

Treatment Area II

* Lime 2 Tons/acre
or correct to pH 6.5
Fertilizer 1000 lbs/acre
(10-20-20 or equivalent)
Mulch HAY 2 Tons/acre
Seed* ORCHARD GRASS 10 lbs/acre
RED CLOVER 12 lbs/acre
ALSIKE CLOVER 4 lbs/acre

Note:

**Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.*

* LIME ACCORDING TO pH TEST

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

PLAN PREPARED BY KEN DUNAY 12/29/2023
ADDRESS CARNEGIE NATURAL GAS COMPANY
800 REGIS AVE.
PGH., PA. 15236
PHONE NO. (412) 655-8510

Note: If access road and/or location is in the woods or pasture area, then seed with the following: (Ky 31 Fescue 35 lbs/ac, Ladino clover 5 lbs/ac) if not then seed with above mixture.

RECEIVED

AUG 13 1985

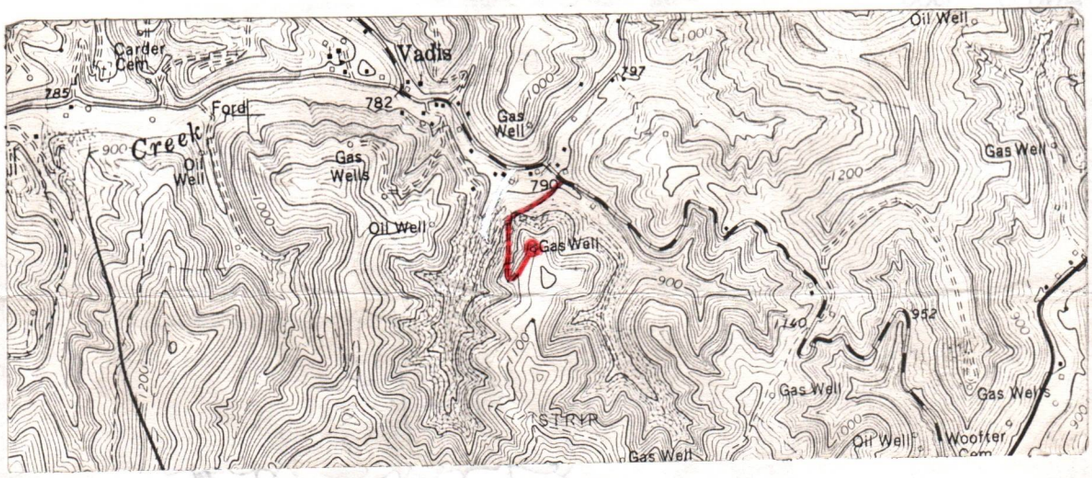
ENGINEERING DEPT.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE VADIS

LEGEND

Well Site ⊕

Access Road ——




WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary

Road

Existing fence

Planned fence

Stream

Open ditch

Diversion

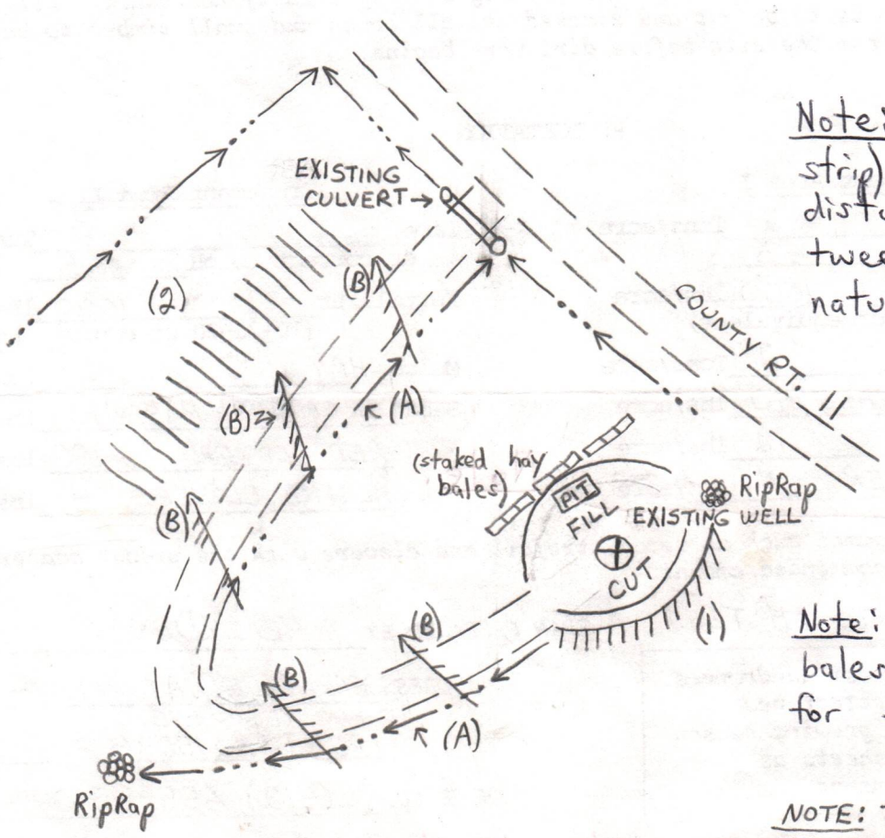
Spring

Wet spot

Building

Drain pipe

Waterway




Note: Natural vegetation (filter strip) will remain undisturbed in areas between construction & natural water courses

Note: Place staked hay bales in ditch line for sediment control.

NOTE: TOPSOIL WILL BE STOCKPILED FOR USE IN RECLAMATION WORK.

12/29/2023

FORM WW-2A
Obverse

1) Date: August 23, 19 85
Operator's
2) Well No. 1753
3) API Well No. 47 - 041 - 1123-0
State County Permit

Formerley 47-041-1123

**STATE OF WEST VIRGINIA**
**DEPARTMENT OF ENERGY, DIVISION OF OIL & GAS**

**NOTICE OF APPLICATION FOR A WELL WORK PERMIT**

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name Eddie L. Barker
Address
Vadis, WV 26445

(ii) Name Opal O. Barker
Address
Vadis, WV 26445

(iii) Name
Address

5 (i) COAL OPERATOR Grafton Coal Company
Address P.O. Box 1050
Clarksburg, WV 26301

5 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name
Address

Name
Address

5 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

(1) The Application for a Well Work Permit on Form WW-2(B) which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
(2) The plat (surveyor's map) showing the well location on Form WW-6, and
(3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosin and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION WW-2(B) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Director of the Division of Oil and Gas, with respect to a well at the location described on attached Application and depicted on attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Director of the Division of Oil and Gas.

RECEIVED
AUG 28 1985
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

6) 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 oil or gas.
☐ The requirement of Code 22B-1-8(c)(1) through (4). (see reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? (Yes) No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form WW-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by D. T. Casaday
this 26th day of August, 19 85,
My commission expires 2/7/, 19 87.

Mauvalee S. Jones
Notary Public, Allegheny County,
~~State of~~ Commonwealth of Pennsylvania

WELL OPERATOR Carnegie Natural Gas Company
By D T Casaday
Its President
Address 800 Regis Avenue
Pittsburgh, PA 15236
Telephone (412) 655-8510

MAUVALEE S. JONES, NOTARY PUBLIC
WEST MIFFLIN BORO, ALLEGHENY COUNTY
MY COMMISSION EXPIRES FEB. 7, 1987
Member, Pennsylvania Association of Notaries

12/29/2023

# INSTRUCTIONS TO APPLICANT

CONCERNING THE LINE ITEMS:

1) Date of Notice.

2) Your well name and number.

3) To be filled out by the Division of Oil & gas.

4) & 5) Use separate sheet if necessary.

4) Surface owner(s) of record to be served with Notice and Application. However, see also Code §22B-1-9(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".

5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.

5(ii, iiii) See Code §22B-1-36.

6) See Code §22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.

7) See Code § § 22-4-11 (d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code §22B-1-6 and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22B-1-2C and the reclamation required by Code §22B-1-30 and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code §22B-1-2(c) and 22B-1-29, and (v) if applicable, the consent required by Code §22B-1-21 from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22B-1-9, 22-B-1-13 and 22B-1-14.

---

## INFORMATION SUPPLIED UNDER CODE §22B-1-8(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

(1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;

(2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

| Grantor, lessor, etc. | Grantee, lessee, etc. | Royalty | Book page |
|---|---|---|---|

12/29/2023

FORM WW-60

DATE: August 23, 19 85
OPERATOR'S
WELL NO.: 1753

API NO: 47 - -
State County Permit No

Formerly 47-041-1123

# State of West Virginia

DIVISION OF OIL AND GAS
DEPARTMENT OF ENERGY

## AFFIDAVIT

RECEIVED
AUG 28 1985
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of Commonwealth of Pennsylvania

County of Allegheny

I, D. T. Casaday (the designated owner or operator, or authorized representative thereof), after being duly sworn, do depose and say that the undersigned is authorized by the owner of the working interest in the well permit application to which this affidavit is attached do state that (he, she, or it) shall tender to the owner of the oil and gas in place not less than one-eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced, or marketed before deducting the amount to be paid or set aside for the owner of the oil or gas in place, or all such oil or gas to be extracted, produced, or marketed from the well. West Virginia Code 22B-1-8(e).

Signed: D T Casaday
By
D. T. Casaday, President

Taken, Subscribed, and sworn to before me this 26th day of August, 1985.

Notary: Mauvaleen S. Jones

MAUVALEEN S. JONES, NOTARY PUBLIC
WEST MIFFLIN BORO, ALLEGHENY COUNTY
MY COMMISSION EXPIRES FEB. 7, 1987
Member, Pennsylvania Association of Notaries

My Commission Expires: February 7, 1987

12/29/2023

12/29/2023

RECEIVED
AUG 28 1995
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

# SITE REGISTRATION APPLICATION FORM
# STATE OF WEST VIRGINIA/NPDES GENERAL PERMIT FOR OIL AND GAS DRILLING PIT WASTE DISCHARGE

1. Company Name Carnegie Natural Gas Company

2. Mailing Address 800 Regis Avenue, Pittsburgh, PA 15236
street city state zip

3. Telephone 412-655-8510 4. Well Name Davis (#1753)

5. Latitude 39°2'30" - 2,400' South Longitude 80°40' - 13,000' West

6. NPDES # WV0073343 7. Dept. Oil & Gas Permit NO. 47-041-1123-DD

8. County Lewis 9. Nearest Town Vadis

10. Nearest Stream Walnut Fork 11. Tributary of Fink

12. Will Discharge be Contracted Out? yes X no ____

13. If Yes, Proposed Contractor Spencer Enterprises

Address West Union, WV 26456

Telephone 304-873-1602

14. Proposed Disposal Method: UIC ____ Land application X

Off Site Disposal ____ Reuse ____ Centralized Treatment ____

Thermal Evaporation ____ Other ____

15. Attach to this application a topographic map (a duplicate of the one submitted to the Office of Oil and Gas) showing the outline of the facility, location of wells, springs, rivers and other surface water bodies, and drinking water wells known to the applicant in the area of the lease that may be impacted by any land application.

Nothing in the general permit shall be deemed in any way to create new, or enlarge existing, rights of riparian owners or others. Neither does anything in the general permit create new, or enlarge existing, obligations or duties of an operator pursuant to the requirements of W. Va. Code S22-4-1 et seq. The issuance of the general permit does not convey any property rights of any sort. Nor shall the issuance of the general permit give rise to any presumptions of law or findings of fact inuring to or for the benefit of persons other than the State of West Virginia.

**AGREEMENT,** Made and entered into the 27 day of July A. D. 1941

by and between J. S. Davis and A. E. Davis

of Vadis West Va,

County of Lewis and State of West Virginia, parties of the first part

and Robert Kraus and Frank Whelan, parties of the second part.

WITNESSETH, that the said parties of the first part, for and in consideration of the sum of One Dollar to them in hand well and truly paid by the said parties of the second part, the receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained on the part of the said parties of the second part, to be paid, kept and performed, has granted, demised, leased, and let and by these presents do grant, demise, lease and let unto the said parties of the second part, their successors and assigns, for the sole and only purpose of mining and operating for oil and gas, and of laying pipe lines, and of building tanks, stations and structures thereon to take care of the said products, ALL that certain tract of land, situate in Freemans Creek District, Lewis County, State of West Virginia, and bounded substantially as follows:

On the North by lands of A. E. Davis

On the East by lands of J. S. Davis & Cloud Grigg, Nos under lease

On the South by lands of Walter Sleith

On the West by lands of Thomas B. Waugh & others

Containing Ninty Six acres, more or less, reserving, however, therefrom 300 feet around the dwelling building now on the premises on which no well shall be drilled by either party except by mutual consent.

It is agreed that this lease shall remain in force for the term of 5 years from this date and as long thereafter as oil or gas, or either of them, is produced from the said land by the said parties of the second part, their successors, heirs, personal representatives and assigns.

In Consideration of the Premises the said parties of the second part covenant and agree : 1st—To deliver to the credit of the first parties, their heirs or assigns, free of cost, in the pipe line to which parties of the second part may connect wells, the equal one eight part of all oil produced and saved from the leased premises; and 2nd—to pay Seventy five ($ 75.00) Dollars each three months in advance for the gas from each and every gas well drilled on said premises, the product from which is marketed and used off the premises, said payment to be made on each well within 90 days after commencing to use the gas therefrom, as aforesaid, and to be paid each three months thereafter while the gas from said well is so marketed and used.

Said second party shall not be required in any event to increase the rate of said gas well payments or said royalty of oil by reason of any royalty or interest in said oil or gas that may have been heretofore sold, reserved or conveyed by first parties or their predecessors in title or otherwise.

Second party covenant and agree to locate all wells so as to interfere as little as possible with the cultivated portions of the farm. And further, to complete a well on said premises within 90 days from the date hereof, or pay at the rate of One dollar per acre ($ 96.00) Dollars quarterly, in advance, for each additional three months such completion is delayed from the time above mentioned for the completion of such well until a well is completed; and it is agreed that the completion of such well shall be and operate, except as herein provided, as a full liquidation of all rental under this provision during the remainder of the term of this lease. All payments may be made direct to J. S. Davis or deposited to his credit, in The Citizens Bank or by check mailed to J. S. Davis at Vadis P. O., Lewis County, State of West Virginia or in the same manner to A. E. Davis who is hereby appointed agent for such purposes.

Lessor may lay a line to any gas well on said land to take gas free for heat and light in one dwelling house on said land at his own risk, subject to the use, operation and right of abandonment of the well by the said parties of the second part.

One out side light - Gas one out side fire

12/29/2023

STATE OF WEST VIRGINIA,

County of Lewis } To-wit:

I Lloyd G. Moofter

a Notary Public of said County of Lewis do hereby certify that

J. S. Davis

and A. E. Davis his wife, whose names are signed to

the within writing, bearing date the 27 day of July A. D., 1911 has

this day acknowledged the same before me in my said County.

Given under my hand this 27 day of July A. D., 1911

Lloyd G. Moofter
Notary Public

My Commission Expires, Sept., 14; 1919.

THE STATE OF WEST VIRGINIA,

CLERK'S OFFICE, COUNTY COURT, LEWIS COUNTY, } SS:

May 7th 1912

THE FOREGOING Oil & Gas Lease

TOGETHER WITH THE CERTIFICATE THERETO ANNEXED, WAS THIS DAY

PRESENTED IN SAID OFFICE AND ADMITTED TO RECORD.

ATTEST:

H. O. Lightburn
Clerk.

Walnut Fork 7882 Mill 3 Lines

No. 29

**Oil & Gas Lease**

FROM J. S. Davis et al

TO Frank Melon

Date July 27th, 1911

Terms: 5

No. Acres 96

LOCATION:

District Tenmile

County Lewis

Rec'd for Record ..... 19

Recorded ..... 19

In Book 74 Page 415

Examined

MAP LOCATION:

N ..... S ..... E ..... W .....

Form 090 2m. The Democrat Job Plant, Weston, W.

Aug. 6. 1916

For and in consideration of the sum of $150. to be paid within 15 Days. We hereby extend the within Lease 60 Days from July 27/16 ~~or in the Completion of Well drilling~~. It is understood that in case a paying gas well is found, that $75.00 of the above amt. shall apply to payment of the Gas Well Rental.

M. B. G. 6-15-16.

J. S. Davis,

A. E. Davis

Signed and acknowledged before the undersigned subscriber this 14th day of June 1916.

My commission expires Dec. 8th 1919.

B. B. Stout Notary Public

Lease 7882

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

WR-35

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

FEB 7 1986

Date February 6, 1986
Operator's
Well No. 2-1753
Farm J. S. Davis
API No. 47 - 041 - 1123-D

# WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1173' Watershed Walnut Fork of Fink
District: Freeman's Creek County Lewis Quadrangle Vadis

COMPANY Carnegie Natural Gas Company
ADDRESS 800 Regis Ave., Pgh., PA 15236
DESIGNATED AGENT J. C. Stephenson
ADDRESS Box 387, Mannington, WV 26582
SURFACE OWNER Eddie L. Barker
ADDRESS Vadis, WV 26445
MINERAL RIGHTS OWNER Melvin Garrett
ADDRESS Camden, WV 26338
OIL AND GAS INSPECTOR FOR THIS WORK Steve Casey ADDRESS Jane Lew, WV 26378
PERMIT ISSUED September 16, 1985
DRILLING COMMENCED December 18, 1985
DRILLING COMPLETED December 22, 1985
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON ___

| Casing & Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|---|---|---|---|
| Size 20-16 Cond. | | | |
| 13-10" | 354' | 354' | |
| 9 5/8 | | | |
| 8 5/8 | 1182' | 1182' | |
| 7 | 1895' | 1895' | 300' |
| 5 1/2 | | | |
| 4 1/2 | | 4734' | 2050' |
| 3 | | | |
| 2 | | | |
| Liners used | | | |
| | | | |

GEOLOGICAL TARGET FORMATION Elk Depth 5200 feet
Depth of completed well 5265 feet Rotary X / Cable Tools ___
Water strata depth: Fresh - feet; Salt - feet
Coal seam depths: 228'-232'; 640'-641' Is coal being mined in the area? Yes

OPEN FLOW DATA
Producing formation Benson-Bradford-Warren Pay zone depth See Fracture Details feet
Gas: Initial open flow 13 Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow 492 Mcf/d Final open flow ___ Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure 1590 psig (surface measurement) after 72 hours shut in
*(If applicable due to multiple completion--)*
Second producing formation ___ Pay zone depth ___ feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow ___ Mcf/d Oil: Final open flow ___ Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure ___ psig (surface measurement) after ___ hours shut in

*(Continue on reverse side)*

LEW 1123-D

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

Fractured by BJ-Titan on 1-8-86

1st Stage - Perf 4631'-36'; 4474'-75'; 4155' W/14 holes, 12 Bbls. acid, 186 Bbls. water, 35,000# sand, 525,000 SCF $N_2$.

2nd Stage - Perf 3042'-3122' W/14 holes, 19 Bbls. acid, 235 Bbls. water, 35,000# sand, 400,000 SCF $N_2$.

**WELL LOG**

| FORMATION COLOR HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|---|---|---|---|
| Commenced Drilling Deeper | @ 1895' | | |
| Shale | 1895 | 1928 | |
| Weir | 1928 | 1953 | |
| Sand & Shale | 1953 | 3041 | |
| Warren | 3041 | 3270 | |
| Sand & Shale | 3270 | 4102 | |
| 3rd Bradford | 4102 | 4204 | |
| Shale | 4204 | 4336 | |
| Riley | 4336 | 4416 | |
| Shale | 4416 | 4473 | |
| Upper Benson | 4473 | 4590 | |
| Shale | 4590 | 4630 | |
| Lower Benson | 4630 | 4722 | |
| Shale | 4722 | 4905 | |
| Alexander | 4905 | 5032 | |
| Shale | 5032 | 5265 | |
| Total Depth | | 5265' | |

*(Attach separate sheets as necessary)*

CARNEGIE NATURAL GAS COMPANY
**Well Operator**

**By:** Kenneth G. Dennoy

**Date:** February 5, 1986

12/29/2023

***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 coal, encountered in the drilling of a well."*

Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Vadis S. W.

# WELL RECORD

Permit No. LEW-1123

Oil or Gas Well Gas (KIND)

Company Carnegie Natural Gas Company,
Address 3904 Main Street, Munhall, Pa.
Farm J. S. Davis Acres 84
Location (waters) Walnut Fork
Well No. 2-1753 Elev. 1173'
District Freemans Creek County Lewis
The surface of tract is owned in fee by Melvin Garrett
Vadis Address W. Va.
Mineral rights are owned by Melvin Garrett
Vadis Address W. Va.
Drilling commenced January 2, 1963
Drilling completed February 4, 1963
Date Shot ____ From ____ To ____
With ____
Open Flow 60 /10ths Water in 1 Inch
____ /10ths Merc. in ____ Inch
Volume 81,630 Cu. Ft.
Rock Pressure 520 lbs. 12 hrs.
Oil ____ bbls., 1st 24 hrs.
WELL ACIDIZED ____

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|---|---|---|---|
| Size | | | |
| 16 | | | Kind of Packer |
| 13 | | | Bottom Hole 3 |
| 10 | 354 | 354 | Size of 8-5/8"x10¾" |
| 8¼ | 1182 | 1182 | |
| 6⅝ | 1895 | 1895 | Depth set 1182' |
| 5 3/16 | | | |
| 3 | | | Perf. top 1834 |
| 2 | | | Perf. bottom 1840 |
| Liners Used | | | Perf. top 1848 |
| | | | Perf. bottom 1860 |

CASING CEMENTED 7 SIZE ____ No. Ft. ____ Date ____
30 bags of cement
COAL WAS ENCOUNTERED AT 197 FEET 204' INCHES
228 FEET - INCHES 232 FEET ____ INCHES
640 FEET - INCHES 641 FEET ____ INCHES

WELL FRACTURED 2-12-63 - 34,000# of sand and 730 bbls. of water

RESULT AFTER TREATMENT Estimated at 5,000,000 cu. ft.
ROCK PRESSURE AFTER TREATMENT 680# - 14 hrs.
Fresh Water 197, 225 & 284 Feet ____ Salt Water ____ Feet ____

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|---|---|---|---|---|---|---|---|
| Clay | Red | Soft | 0 | 8 | | | |
| Sand Stone | Yellow | Medium | 8 | 55 | | | |
| Slate | Gray | Soft | 55 | 65 | | | |
| Sand | Yellow | Medium | 65 | 100 | | | |
| Red Rock | Red | Medium | 100 | 105 | | | |
| Slate | Gray | Medium | 105 | 135 | | | |
| Sand | Yellow | Medium | 135 | 145 | | | |
| Slate | Gray | Soft | 145 | 160 | | | |
| Sand | Yellow | Medium | 160 | 170 | | | |
| Slate | Gray | Soft | 170 | 197 | Water | 197' | |
| Coal | Dark | Soft | 197 | 204 | | | |
| Slate | Gray | Medium | 204 | 212 | | | |
| Lime | Gray | Hard | 212 | 225 | Water | 225' | |
| Slate | Gray | Soft | 225 | 228 | | | |
| Coal | Black | Soft | 228 | 232 | | | |
| Slate | Gray | Soft | 232 | 252 | | | |
| Gritty Lime | Gray | Medium | 252 | 280 | | | |
| Slate | Gray | Medium | 280 | 283 | | | |
| Red Rock | Red | Medium | 283 | 288 | Water | 284' | |
| Slate | Gray | Medium | 288 | 300 | | | |
| Red Rock | Red | Soft | 300 | 334 | | | |
| Slate | Gray | Medium | 334 | 340 | | | |
| Gritty Lime | Gray | Hard | 340 | 368 | | | |
| Red Rock | Red | Medium | 368 | 455 | | | |
| Gritty Lime | Gray | Hard | 455 | 468 | | | |
| Slate | Gray | Medium | 468 | 475 | | | |
| Red Rock | Red | Medium | 475 | 500 | | | |
| Lime | Gray | Medium | 500 | 520 | | | |
| Slate | Gray | Soft | 520 | 560 | | | |
| Red Rock | Red | Medium | 560 | 578 | | | |



(over)

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|---|---|---|---|---|---|---|---|
| Gritty Lime | Gray | Medium | 578 | 600 | | | |
| Slate | Gray | Medium | 600 | 640 | | | |
| Coal | Black | Soft | 640 | 641 | | | |
| Gritty Lime | Gray | Hard | 641 | 670 | | | |
| Sand | Light | Hard | 670 | 682 | | | Little Dunkard |
| Gritty Lime | Gray | Hard | 682 | 729 | | | |
| Sand | Gray | Hard | 729 | 745 | | | |
| Slate | Gray | Medium | 745 | 810 | | | |
| Gritty Lime | Gray | Hard | 810 | 860 | | | |
| Slate | Dark | Medium | 860 | 870 | | | |
| Gritty Lime | Gray | Medium | 870 | 905 | | | |
| Slate | Gray | Soft | 905 | 913 | | | |
| Lime | Dark | Hard | 913 | 950 | | | |
| Slate | Gray | Medium | 950 | 1000 | | | |
| Lime | Gray | Medium | 1000 | 1015 | | | |
| Sand | Gray | Hard | 1015 | 1068 | | | Big Dunkard |
| Slate | Gray | Medium | 1068 | 1072 | | | |
| Sand | Gray | Hard | 1072 | 1105 | | | Gas Sand |
| Slate | Gray | Soft | 1105 | 1110 | | | |
| Sand | Gray | Hard | 1110 | 1130 | | | 1st Salt Sand |
| Slate | Dark | Medium | 1130 | 1150 | | | |
| Lime | Gray | Hard | 1150 | 1160 | | | |
| Slate | Dark | Medium | 1160 | 1170 | | | |
| Sand | Dark | Hard | 1170 | 1209 | | | 2nd Salt Sand |
| Slate | Dark | Medium | 1209 | 1226 | | | |
| Lime | Dark | Hard | 1226 | 1264 | | | |
| Slate | Dark | Medium | 1264 | 1280 | | | |
| Lime | Gray | Hard | 1280 | 1304 | | | |
| Sand | Gray | Hard | 1304 | 1495 | | | 3rd Salt Sand |
| Slate | Dark | Medium | 1495 | 1580 | | | |
| Gritty Lime | Gray | Medium | 1580 | 1610 | | | |
| Slate | Dark | Medium | 1610 | 1615 | | | |
| Sand | Gray | Hard | 1615 | 1630 | | | Maxon Sand |
| Red Rock | Red | Soft | 1630 | 1635 | | | |
| Gritty Lime | Dark | Hard | 1635 | 1644 | | | Little Lime |
| Lime | Gray | Hard | 1644 | 1665 | | | Little Lime |
| Slate | Gray | Soft | 1665 | 1680 | Show oil | | Pencil Cave |
| Sand | Gray | Hard | 1680 | 1725 | and gas | 1705' | Blue Monday |
| Lime | Gray | Hard | 1725 | 1774 | Show oil & | | Big Lime |
| Sand | Dark | Hard | 1774 | 1865 | gas | 1803-04' | Big Injun |
| Slate | Dark | Medium | 1865 | 1880 | Gas | 1830-64' | |
| Slate | Gray | Medium | 1880 | 1895 | | | |
| | | | Total | 1895 | | | |

12/29/2023

Date May 1, 19

APPROVED CARNEGIE NATURAL GAS COMPANY, O

By E C Laffey

(Title) Chief Engin

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

**FINAL INSPECTION REQUEST**

**INSPECTOR'S COMPLIANCE REPORT**

(9-16-85 = DD)

Permit No. 41-1123 D
Company Carnegie Gas
Inspector
Date

County Lewis
Farm C. Barker
Well No. 1753

| RULE | DESCRIPTION | IN COMPLIANCE Yes | No |
|---|---|---|---|
| 23.06 | Notification Prior to starting Work | | |
| 25.04 | Prepared before Drilling to prevent waste | | |
| 25.03 | High-Pressure Drilling | | |
| 16.01 | Required Permits at wellsite | | |
| 15.03 | Adequate Fresh Water Casing | | |
| 15.02 | Adequate Coal Casing | | |
| 15.01 | Adequate Production Casing | | |
| 15.04 | Adequate Cement Strength | | |
| 23.02 | Maintained Access Roads | | |
| 25.01 | Necessary Equipment to prevent Waste | | |
| 23.03 | Reclaimed Drilling Site | | |
| 23.04 | Reclaimed Drilling Pits | | |
| 23.05 | No surface or underground Pollution | | |
| 7.03 | Identification Markings | | |

COMMENTS:

I have inspected the above well and (HAVE/HAVE NOT) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED: Steve Casey
DATE: 6-6-86

P 047 342 626

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

*(See Reverse)*

| | |
|---|---|
| Sent to OPAL D. BARKER | |
| Street and No. | |
| P.O., State and ZIP Code VADIS, WV 26445 | |
| Postage | $ 56 |
| Certified Fee | 75 |
| Special Delivery Fee | |
| Restricted Delivery Fee | |
| Return Receipt Showing to whom and Date Delivered | 70 |
| Return receipt showing to whom, Date, and Address of Delivery | |
| TOTAL Postage and Fees | $ 201 |
| Postmark or Date | |

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

SURFACE OWNER NOTIFICATION - WELL # 1753

PITTSBURGH, PA PLEASANT HILLS BR. USPO AUG 26 1985

P 047 342 627

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

*(See Reverse)*

| | |
|---|---|
| Sent to EDDIE L. BARKER | |
| Street and No. | |
| P.O., State and ZIP Code VADIS, WV 26445 | |
| Postage | $ 56 |
| Certified Fee | 75 |
| Special Delivery Fee | |
| Restricted Delivery Fee | |
| Return Receipt Showing to whom and Date Delivered | 70 |
| Return receipt showing to whom, Date, and Address of Delivery | |
| TOTAL Postage and Fees | $ 201 |
| Postmark or Date | |

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

SURFACE OWNER NOTIFICATION - WELL # 1753

PITTSBURGH, PA PLEASANT HILLS BR. USPO AUG 26 1985

RECEIVED
AUG 28 1985
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

P 047 342 625

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

*(See Reverse)*

| | |
|---|---|
| Sent to GRAFTON COAL CO. | |
| Street and No. P.O. BOX 1050 | |
| P.O., State and ZIP Code CLARKSBURG, WV 26301 | |
| Postage | $ 39 |
| Certified Fee | 75 |
| Special Delivery Fee | |
| Restricted Delivery Fee | |
| Return Receipt Showing to whom and Date Delivered | 70 |
| Return receipt showing to whom, Date, and Address of Delivery | |
| TOTAL Postage and Fees | $ 184 |
| Postmark or Date | |

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

COAL OWNER NOTIFICATION - WELL # 1753

PITTSBURGH, PA PLEASANT HILLS BR. USPO AUG 26 1985

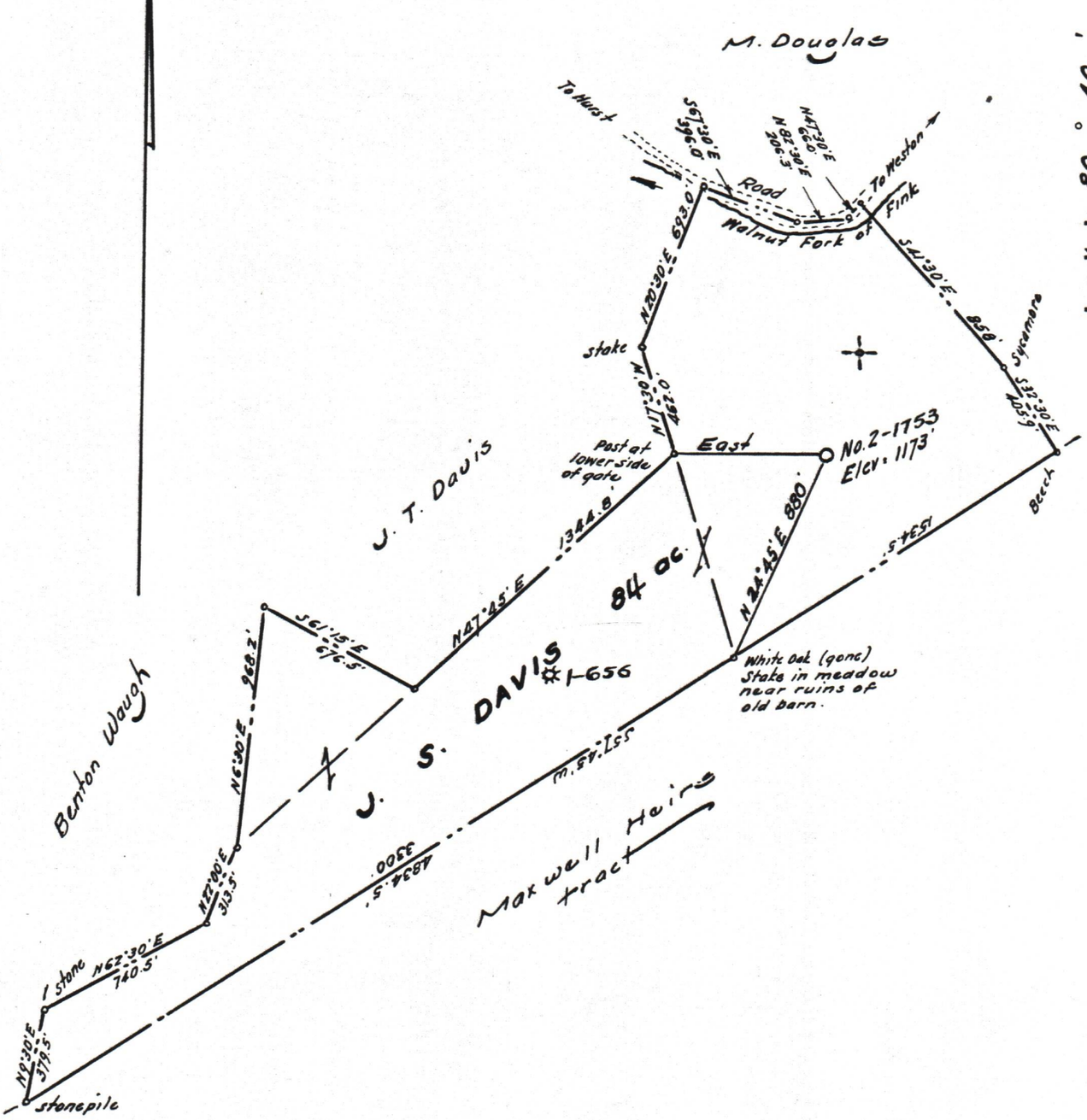
12/29/2023

8500'

Latitude 39 ° 05 '
39° 07' 30"

Longitude 80 ° 40 '

3000'




New Location ..■
Drill Deeper .....■ - 9/16/85
Abandonment.....□

Company CARNEGIE NATURAL GAS CO.
Address 800 Reg's Ave., Pittsburgh, Pa. 15236 ~~3904 Main St., Munhall, Penna.~~
Farm ~~J. S. Davis~~ Eddie L. Barker
Tract _____ Acres 84 Lease No. 7882
Well (Farm) No. Two Serial No. 1753
Elevation (Spirit Level) 1179
Quadrangle Vadis
County Lewis District Freemans Creek
Engineer [signature]
Engineer's Registration No. 1227
File No. _____ Drawing No. _____
Date Dec 3, 1962 Scale 1" = 600'

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

# WELL LOCATION MAP

FILE NO. Lew-1123 12/20/2023

+ 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.