

NOTE: THIS WELL WAS
ISSUED PERMIT NUMBER
GIL-665 AS HIGHLIGHTED

FORM OG-2

STATE OF WEST VIRGINIA *BELOW.*

DEPARTMENT OF MINES
OIL AND GAS DIVISION

RECEIVED

AUG 6 1984

OIL & GAS DIVISION
DEPT. OF MINES

WELL DRILLING PERMIT

Permit No. **GIL-665**

July 5, 194⁴

TO **CARNEGIE NATURAL GAS COMPANY**

WELL OPERATOR

LOCATION OF WELL:

1015 FRICK BUILDING

STREET

CENTER

DISTRICT

PITTSBURGH, PENNSYLVANIA

CITY

GILMER

COUNTY

WELL No. **1604**

M. O. MILLER

FARM

The Department of Mines received your Notice and Plat of the Well described above on the **26th** day of

June

, 194⁴,

showing proposed location for drilling an oil or gas well.

Ten days having expired since the receipt of Notice and Plat and no objections having been made by the coal owners, coal operators, or the Department of Mines, the location is approved and permission is granted you to drill strictly in accordance with the several provisions of Chapter 22, Code of 1931, the Well to be numbered and located as above shown and more particularly as indicated on the Plat on file with this Department.

This Permit is assignable either by separate instrument, or incident to the transfer of title to the oil and gas, or of the right to drill therefore at said location, but no such assignment shall entitle the assignee to drill thereat until he shall have filed with the Department of Mines a certified, or sworn copy of the instrument assigning same, or as an incident to which such assignment was made.

In case the well is not commenced within four months from the above date, this Permit shall expire and be of no further force or effect.

Jesse Bedyard
CHIEF OF DEPARTMENT OF MINES

DEPT. OF MINES
OF & GAS DIVISION
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IV-9
(Rev 8-81)

DATE 7-6-84

WELL NO. 1-1604

API NO. 47-021-665-20

Rec'd. (WF-SCD)
JUL 9 1984

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME CARNEGIE NATURAL GAS CO. DESIGNATED AGENT J. C. STEPHENSON, DIV. Supt.

Address 800 REGIS AVE, P. H., PA. 15236

Address P.O. BOX 387, MANNINGTON, WV 26582

Telephone (412) 655-8510

Telephone (304) 986-2060

LANDOWNER HARVEY B. BEALL

SOIL CONS. DISTRICT WEST FORK

Revegetation to be carried out by SAME (Agent)

This plan has been reviewed by WEST FORK SCD. All corrections and additions become a part of this plan: 7/23/84 (Date)

Kenneth E Knight
(SCD Agent)

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THIS REVIEW IS MADE FOR SITE AS SHOWN. A CHANGE OF ELEVATION OF PLUS OR MINUS 10 FT. OR SLOPE OF PLUS OR MINUS 3 PERCENT MAKES THIS PLAN NOT ACCEPTABLE TO WFSCD.

ACCESS ROAD

LOCATION

OIL & GAS DIVISION

DEPT. OF MINES

Structure DRAINAGE DITCH (A)

Structure DIVERSION DITCH (1)

Spacing INSIDE ROAD CUTS

Material EARTHEN

Page Ref. Manual 2-12

Page Ref. Manual 2-12

Structure INTERMITTENT DRAIN CROSSING
(according to Oil & Gas Manual at natural drains)

Structure FILTER STRIP (2)

Spacing 1-15" STEEL PIPE
with rippapped outlet

Material UNDISTURBED NATURAL VEGETATION

Page Ref. Manual 2-7

Page Ref. Manual 2-16

Structure CROSS DRAIN (C)

Structure _____ (3)

Spacing 1-REQ'D (as shown on plan)
with rippapped outlet

Material _____

Page Ref. Manual 2-1

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.

structure Sediment Barrier (D)

Material Hay or straw bales

Pg. Ref. Man. 2-16

REVEGETATION

Treatment Area I

Treatment Area II

* Lime 2 Tons/acre
or correct to pH 6.5

* Lime 2 Tons/acre
or correct to pH 6.5

Fertilizer 1000 lbs/acre
(10-20-20 or equivalent)

Fertilizer 1000 lbs/acre
(10-20-20 or equivalent)

Mulch HAY 2 Tons/acre

Mulch HAY 2 Tons/acre

Seed* ORCHARD GRASS 10 lbs/acre

Seed* ORCHARD GRASS 10 lbs/acre

RED CLOVER 12 lbs/acre

RED CLOVER 12 lbs/acre

ALSIKE CLOVER 4 lbs/acre

ALSIKE CLOVER 4 lbs/acre

Note!

Note!

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

* LIME ACCORDING TO PH TEST

PLAN PREPARED BY LANCE MROZ 05/10/2024

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

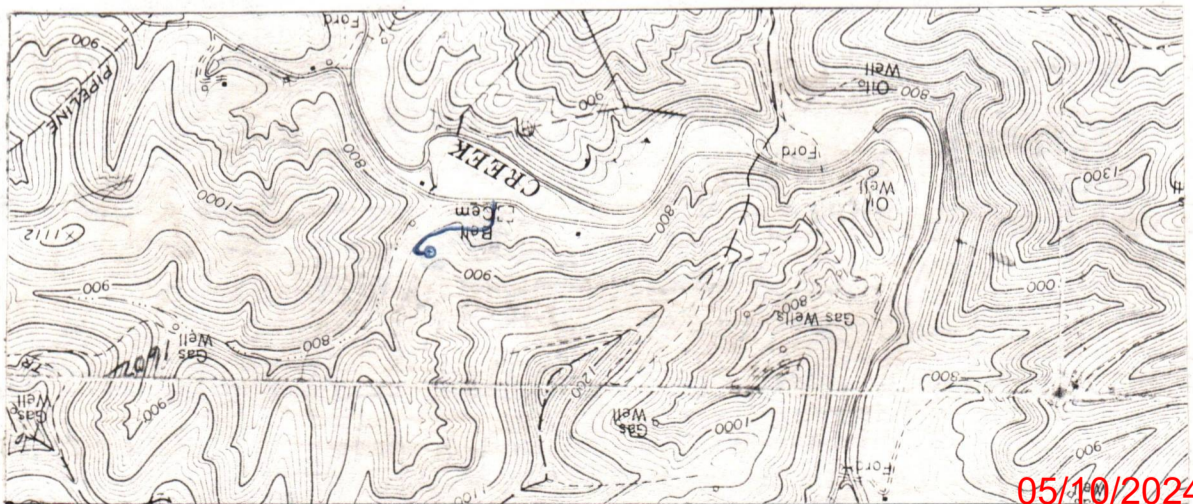
ADDRESS CARNEGIE NATURAL GAS CO.
800 REGIS AVE
P. H., PA. 15236

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/acre) if not then seed with above mixture. (hadino clover 5 lbs/acre)

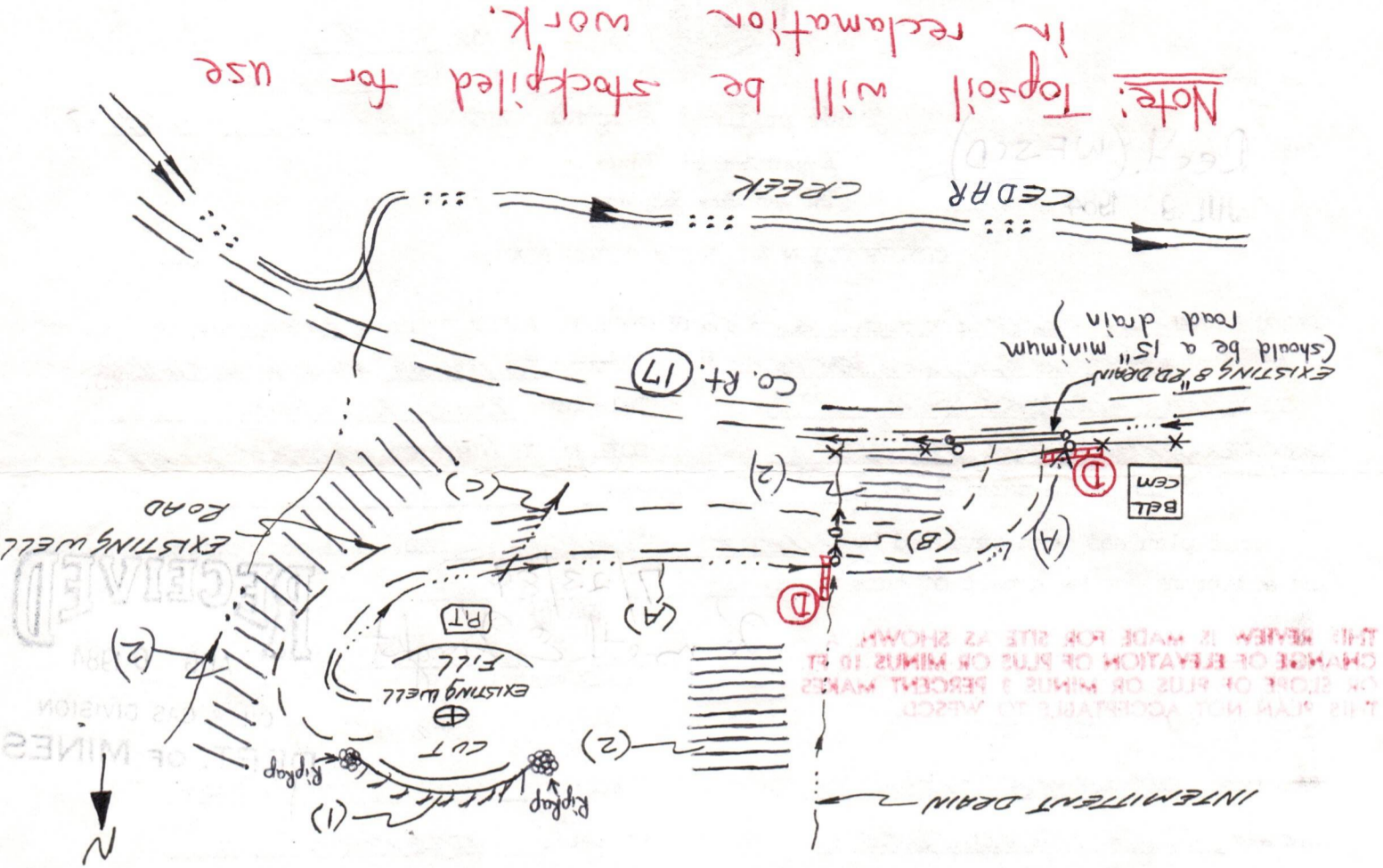
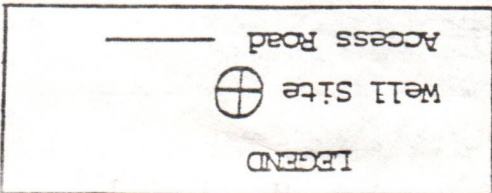
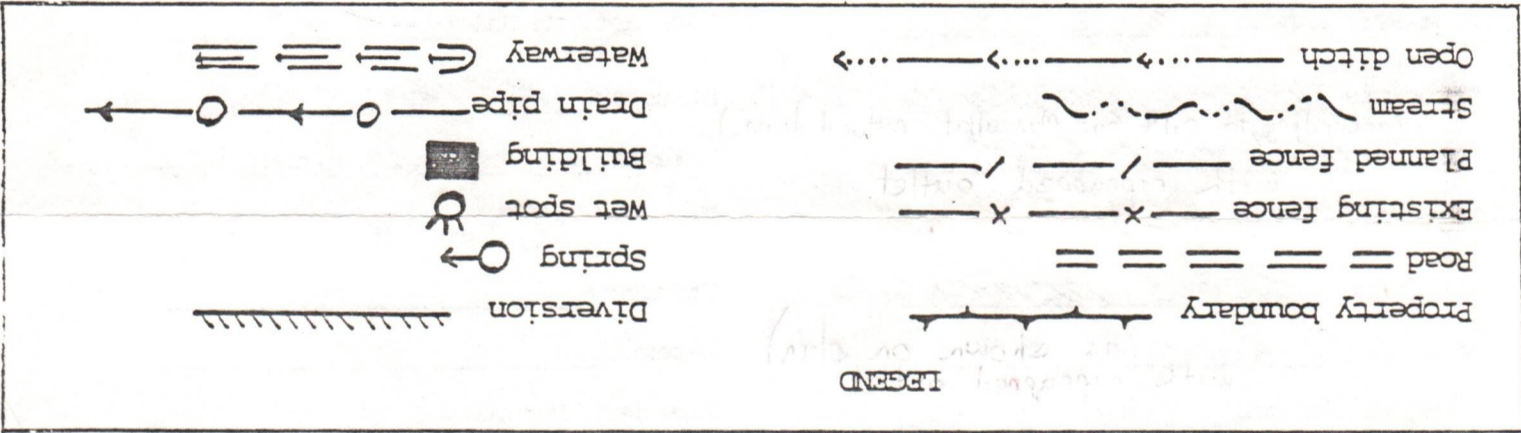
ATTACH OR PHOTO COPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE TANNER

05/10/2024



WELL SITE PLAN

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





1) Date: August 2, 1984
 2) Operator's Well No. 1-1604
 3) API Well No. 47-021-0665-DD
 State County Permit
 Formally 47-021-0665

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, 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: 859 Watershed: Cedar Creek LK72
 District: Center County: Gilmer Quadrangle: Tanner
- 6) WELL OPERATOR Carnegie Natural Gas Company DESIGNATED AGENT J. C. Stephenson
 Address 800 Regis Ave. Address Box 387
Pittsburgh, PA 15236 Mannington, WV 26582
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Deo Mace
 Address Route 1-Box 5
Sandridge, WV 25274
- 9) DRILLING CONTRACTOR: Name Fluharty Enterprises, Inc.
 Address 94 Valley St., P.O. Box 187
Salem, WV 26426
- 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, Warren
- 12) Estimated depth of completed well, 3250 feet
- 13) Approximate strata depths: Fresh, Behind Pipe feet; salt, none feet.
- 14) Approximate coal seam depths: none Is coal being mined in the area? Yes

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 DEPT. OF MINES

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water *	10 3/4"					160'	160'	EXISTING	
Coal									Sizes
Intermediate *	8 5/8"					1012'	1012'	1700' fill up or as required by rule 15.01	
Production	4 1/2"	J-55	10.5	X		3250'			Depths
Tubing									
Liners									Perforations: Top Bottom

*existing pipe in well

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-021-0665-DD

September 10, 19 84
 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 10, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>32</u> BLANKET	Agent: <u>LS</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>147-527</u>
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Margaret J. Hesse
 Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

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

1) WELL LOCATION: B (H "Gas", Production) ...
 2) WELL OPERATOR: ...
 3) OIL & GAS INSPECTOR TO BE NOTIFIED: ...
 4) PROPOSED WELL WORK: ...
 5) GEOLOGICAL TARGET FORMATION: ...
 6) ESTIMATED DEPTH OF COMPLETED WELL: ...
 7) APPROXIMATE UNITS DEPTH: ...
 8) APPROXIMATE COST PER FOOT: ...

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OIL & GAS DIVISION

Casing or Tubing Type	Size	Length	Weight per ft.	SPECFICATIONS		Footage Interval	Left in well	Cement
				Use	Notes			
...	EXISTING

OFFICE USE ONLY

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

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____

Reason: _____

Blanket	Agent	Part	Casing	Fee
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05/10/2024

1) Date: August 2, 19 84
 2) Operator's
 Well No. 1-1604
 3) API Well No. 47-021-0665-07
 State County Permit
 Formally 47-021-0665

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

(i) Name Harvey & Dorothy Beall
 Address Route 1, Box 330-G
Elkins, WV 26241

(ii) Name _____
 Address _____

(iii) Name _____
 Address _____

5(i) COAL OPERATOR none
 Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name not recorded
 Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
 Name not recorded
 Address _____

P 562 822 150

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to HARVEY & DOROTHY BEALL	
Street and No. ROUTE 1, BOX 330-G	
P.O. State and ZIP Code ELKINS, WV 26241	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ <u>1.72</u>
Postmark Date	2

TO THE PERSON(S)
 (1) The App. to be p. and des. cementi.
 (2) The pla.
 (3) The Con. plug a i reclama.
 * U.S.G.P.O. 1983-403-517

THE REASON WHICH ARE SUMMAR (FORM IV-2(B) OR ACTION AT ALL.
 Take notice erator proposes for a Well Work Department of Mi and depicted on Construction and by hand to the f before the day c

6) EXTRACTION RI
 Check and pro
 Included i
 I hold
 The requir

7) ROYALTY PROVL
 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 IV-60.

PS Form 3800, Feb. 1982

Form and the following documents:

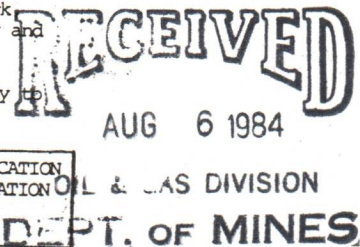
B) (or Form IV-4 if the well is in the drilling or other work icable, the proposed casing and

on Form IV-6; and unless the well work is only to d sediment control and for

RIGHTS REGARDING THE APPLICATION OF THE COPY OF THE APPLICATION E NOT REQUIRED TO TAKE ANY

ode, the undersigned well op- ion and accompanying documents f Oil and Gas, West Virginia escribed on attached Application he Application, the plat, and the red or certified mail or delivered rtain circumstances) on or

tract or contracts by which e reverse side for specifics.)



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 2nd day of August, 19 84. My commission expires Feb. 7, 1987.
Mauraleen S. Jones
 Notary Public, Allegheny County, State of Pennsylvania

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

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

05/10/2024

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office 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 § 22-4-1b(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, iii) See Code § 22-4-20.
- 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 § 22-4-1k 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a 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 §§ 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(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
-----------------------	-----------------------	---------	-----------

05/10/2024

Agreement, Made this 31st day of January, 1923, between M. O. Miller and Belle Miller, his wife,

of Blount and State of West Virginia, parties of the first part, and Carnegie Natural Gas Company

of the first part, That the said parties of the first part, their heirs, executors, administrators or assigns, in consideration of the sum of One and no/100 (\$1.00) Dollar to them in hand paid by said party of the second part, the receipt of which is hereby acknowledged, as well as in consideration of the covenants and agreements hereinafter mentioned hereby lease and let unto the party of the second part for the purpose of drilling and operating for Natural Gas and Petroleum Oil, all that certain tract of land situate in Blount County, West Virginia, District, bounded and described as follows: North by land of other land of M. O. Miller East by land of F. B. Nicholson South by land of Simon Almon and W. T. Miller West by land of other land of M. O. Miller containing 68 acres, more or less, reserving, however, therefrom two hundred feet around the building, now on the premises on which no well shall be drilled by either party except by mutual consent.

The parties of the first part hereby grant unto the party of the second part with covenants of quiet possession and sole right to convey, the exclusive right of drilling upon the said land for Natural Gas and Petroleum Oil; the right of using sufficient water and gas from said premises for drilling and operating thereon; together with the right to mine, operate for and store gas and oil, in or on said property, whether produced from said property or otherwise, with the right to use so much of said land as may be necessary for laying pipe lines and building tanks, stations and structures thereon to take care of said products together with the necessary rights of way over and across said premises and the right to construct and maintain pipe lines, gates and drips to convey gas and oil to or from this as well as adjoining properties.

It is agreed that this lease shall remain in force for the term of ^{TWO} years from this date and as long after commencement of operations as said premises are operated for the production of oil or gas, or oil or gas, or either of them, is produced from the said land by the said party of the second part, its successors and assigns.

In Consideration of the Premises, the said party of the second part covenants and agrees: 1st—To deliver to the credit of the first part, their heirs or assigns, free of cost, in the pipe line to which party of the second part may connect its wells, the equal one-eighth part of all oil produced and saved from the leased premises; it being understood and agreed that the casing head gas produced from the oil well or wells, may be used, free of cost, by second party, ~~with~~ on the said premises, and 2d—To pay ~~monthly~~ ^{quarterly} \$75.00 Dollars for the gas from each and every gas well drilled on said premises, the product from which is marketed and used off the premises as a gas well, said payment to be made on each well from date utilized, 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 gas or oil that may have been heretofore sold, reserved or conveyed by first part ~~or their~~ predecessors in title or otherwise.

Second party covenants and agrees 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 the said premises within ~~thirty days~~ ^{thirty days} from the date hereof or pay at the rate of ~~seven tenths~~ ^{seventeen tenths} \$17.00 Dollars quarterly, in advance, or within 10 days thereafter 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 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 or by check mailed to M. O. Miller at ~~Blount County, State of West Virginia~~ ^{Blount County, State of West Virginia} or deposited to ~~his~~ ^{his} credit in Bank at ~~Blount County, State of West Virginia~~ ^{Blount County, State of West Virginia} or in the same manner to _____, who is hereby appointed AGENT for such purposes.

The first part ~~may~~ lay a line to any gas well on said land to take gas free to the amount of 200,000 cubic feet per annum for ~~their~~ own use for heat and light in one dwelling house on said land at ~~their~~ own risk, subject to the use, operation and right of abandonment of the well by the said second party, and first part ~~shall~~ subscribe to and be bound by the reasonable rules and regulations of the said second party, or ~~their~~ assigns, published at such time relating to such use of gas. The second party shall not be liable for any shortage or interruption in the use of gas by the first party from any cause whatever, resulting from the second party's own act or from operations in production and transportation or variance in pressure. Any gas used by the first part in excess of the said two hundred thousand cubic feet per year shall be paid for by the first part at the then published rate of the party of the second part. It is agreed that the party of the second part has the right and privilege to remove any machinery or fixtures placed on said premises by it within six months after the termination of this lease; and further, upon the payment of One and no/100 (\$1.00) Dollar at any time, by the party of the second part, its successors and assigns, to the party of the first part, ~~their~~ heirs and assigns, said party of the second part, its successors and assigns, shall have the right to surrender this lease for cancellation, after which all payments and liabilities thereafter to accrue under and by virtue of its terms shall cease and determine, and this lease become absolutely null and void.

In WITNESS WHEREOF, the parties to this agreement have hereunto set their hands and seals the day and year first above written.

WITNESS: B. L. Dalton

M. O. Miller
Belle Miller

CARNEGIE NATURAL GAS COMPANY
President

(PENNA. ACKNOWLEDGMENT.)

STATE OF }
COUNTY OF } ss:

Before me, a, in and for said County and State, personally came

and acknowledged the foregoing contract to be act and deed, and desired the same to be recorded as such.

Witness my hand and seal, this day of A. D. 19

My Commission expires

(W. VA. ACKNOWLEDGMENT.)

STATE OF WEST VIRGINIA }
COUNTY OF GILMER } ss:

I, D. T. Britton, a Notary Public of said

County of Gilmer, do certify that M. O. Miller and Belle Miller, his wife,

whose names are signed to the foregoing writing, bearing date the 31st day of January A. D. 1942, have this day acknowledged the same before me in my said County.

Given under my hand and seal, this 31st day of January A. D. 1942.

My Commission expires November 25th. 1951

D. T. Britton
Notary Public

state of West Virginia,
Gilmer County Court Clerk's Office *March 6-1942*
The foregoing writing, together with the certificate
hereto annexed, was this day admitted to record in said office

Teste:- *W. B. Lynch*, Clerk

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AUG 6 1984

OIL & GAS DIVISION

DEPT. OF MINES

No. 10772-19

OIL AND GAS LEASE

FROM

M. O. MILLER & BELLE MILLER, HIS WIFE

TO

CARNEGIE NATURAL GAS COMPANY

Date JANUARY 31ST. 1942

Term Two Years

No. Acres 68

LOCATION

CEDAR CREEK

Township } CENTER
District }

County GILMER

Received for Record 3-6 1942

Recorded 19

In Book No. 147 Page

Recorded in Deed Book

No. 147 Page 56

Gilmer County, West Virginia

05/10/2024

P. H. A. FEE, \$ 1.50 PAID



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Faint text at the top right, possibly a header or address line.

DEPARTMENT OF MINES
WASHINGTON, D. C.

RECEIVED

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DEPT. OF MINES
OIL & GAS DIVISION
AUG 6 1984
RECEIVED



DATE: August 2, 19 84
OPERATOR'S
WELL NO.: 1-1604

API NO: 47 - 021 -
State County Permit No
Formally 47-021-0665

State of West Virginia

OFFICE OF OIL AND GAS
DEPARTMENT OF MINES

A F F I D A V I T

Commonwealth of Pennsylvania

~~State of~~ _____

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 22-4-11(e) (1982).

Signed: D T Casaday

Taken, Subscribed, and sworn to before me this 2nd day of August, 1984.

Notary: Mauvaleen S Jones

My Commission Expires: February 7, 1987

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

RECEIVED
AUG 6 1984
OIL & GAS DIVISION
DEPT. OF MINES



CARNEGIE
NATURAL
GAS
COMPANY

800 REGIS AVE.
PITTSBURGH, PA 15236
(412) 655-8510

June 14, 1985

Margaret T. Hasse
c/o WV Department of Mines
Oil and Gas Division
307 Jefferson Street
Charleston, WV 25311

Re: Well #1604, Center District, Gilmer County, (Permit
Number 47-021-0665-DD).

Dear Ms. Hasse,

Please be advised of Carnegie Natural Gas Company's intention to drill down the subject well to a revised total depth of 4500'. The revised target formation is the Benson. A copy of the permit is attached for your reference. If there are any questions, do not hesitate to call.

Sincerely yours,
Carnegie Natural Gas Company

Kenneth G. Dunay

Kenneth G. Dunay
Staff Geologist

KGD/lc

cc: File

RECEIVED
JUN 19 1985

OIL & GAS DIV. 1
DEPT. OF MINES

05/10/2024

05/10/2024



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

RECEIVED

AUG 6 1984

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Oil or Gas Well Gas
(KIND)

Permit No. GIL-665

Company Carnegie Natural Gas Company
Address 1014 Frick Building, Pittsburgh, Pa.
Farm M. O. Miller Acres 68
Location (waters) Cedar Creek
Well No. 1 - 1804 Elev. 859
District Center County Gilmer
The surface of tract is owned in fee by M. O. Miller
Address Glenville, W.Va.
Mineral rights are owned by M. O. Miller
Address Glenville, W.Va.
Drilling commenced July 13th 1944
Drilling completed August 10th 1944
Date Shot 8/9/44 From 1668 To 1678
With 30 Qts Nitro-glycerin

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			
10	160	160	Size of <u>3" x 8 1/2"</u>
8 1/4	1012	1012	Depth set <u>1180</u>
6 1/2	1581	None	
5 3/16			
3	1718	1718	Perf. top <u>1200</u>
2			Perf. bottom <u>1210</u>
Liners Used			Perf. top <u>1668</u>
			Perf. bottom <u>1682</u>

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 47,000 Cu. Ft.
Rock Pressure 192 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 75 feet _____ feet
Salt water _____ feet _____ feet

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay	Yellow	Soft	0	10			
Red Rock	Red	Soft	10	30			
Slate	Light	Soft	30	65			
Sand	Light	Hard	65	100	Water	75'	
Red Rock	Red	Soft	100	140			
Lime	Light	Soft	140	155			
Red Rock	Red	Soft	155	165			
Slate	Light	Soft	165	195			
Red Rock	Red	Soft	195	240			
Slate	Light	Soft	240	370			
Red Rock	Red	Soft	370	400			
Slate	Dark	Soft	400	480	Gas show	455	
Sand	Light	Hard	480	500			Little Dunkard
Slate	Light	Soft	500	525			
Sand	Light	Hard	525	550			Big Dunkard
Slate	Light	Soft	550	605			
Sand	Light	Hard	605	645			Gas Sand
Slate	Dark	Soft	645	690			
Sand	Dark	Hard	690	710			
Slate	Dark	Soft	710	795			
Sand	Dark	Hard	795	815			1st Salt Sand
Slate	Black	Soft	815	830			
Sand	Dark	Hard	830	870			1st Salt Sand
Slate	Dark	Soft	870	915			
Sand	Dark	Hard	915	945			2nd Salt Sand
Slate	Dark	Soft	945	974			
Sand	Dark	Hard	974	1014			2nd Salt Sand
Slate	Dark	Soft	1014	1017			
Sand	Dark	Hard	1017	1090			2nd Salt Sand
Slate	Dark	Soft	1090	1150			
Sand	Dark	Hard	1150	1218	Gas show	1161	3rd Salt Sand
Slate	Dark	Soft	1218	1335	Gas	1200-08'	
Sand	Light	Hard	1335	1370			4th Salt Sand
Slate	Light	Soft	1370	1420			
Sand	Light	Hard	1420	1470			Maxon Sand
Slate	Light	Soft	1470	1500			
Lime	Light	Hard	1500	1525			Little Lime
Slate	Light	Soft	1525	1545			Pencil Cave
Lime	Light	Hard	1545	1608			Big Lime

05/10/2024

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand Slate	Dark Dark	Hard Soft	1608 1700	1700	Gas	1670	Big Injun Sand
			Total Depth	1718			

05/10/2024

Date SEPT. 27, 194 4

APPROVED CARNEGIE NATURAL GAS COMPANY, Owner

By *J. S. Wilcox*
(Title) Geologist.



Date February 5, 1986

WR-35

State of West Virginia

Operator's Well No. 1-1604
Farm M. O. Miller
API No. 47 - 021 - 0665-D

FEB 7 1986

DEPARTMENT OF ENERGY
Oil and Gas Division

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: 859' Watershed Cedar Creek
District: Center County Gilmer Quadrangle Tanner

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 Harvey Beall
ADDRESS Rt. 1, Box 330-G, Elkins, WV 26241
MINERAL RIGHTS OWNER Harvey Beall
ADDRESS Rt. 1, Box 330-G, Elkins, WV 26241
OIL AND GAS INSPECTOR FOR THIS WORK Craig Duckworth
ADDRESS Gassaway, WV 26624
PERMIT ISSUED September 10, 1984
DRILLING COMMENCED September 23, 1985
DRILLING COMPLETED December 14, 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 Co. ft.
Size 20-16 Cond.			
13-10"	160'	160'	
9 5/8			
8 5/8	1012'	1012'	
7	1581'		
5 1/2			
4 1/2		4452'	1900'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 4500 feet
Depth of completed well 4486 feet Rotary / Cable Tools X
Water strata depth: Fresh - feet; Salt - feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Benson - Elizabeth Pay zone depth See Fracture Details feet
Gas: Initial open flow 3 Mcf/d Oil: Initial open flow Bbl/d
Final open flow 381 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 1190 psig (surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth 05/10/2024 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 hour's shut in

(Continue on reverse side)

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

Fractured by Dowell-Schlumberger on 1-3-86

1st Stage-Perf 4364'-4408' W/14 holes, 12 Bbls. acid, 215 Bbls. water, 45,000# sand, 576,000 SCF N₂.

2nd Stage-Perf 2858'-2875' W/14 holes, 10 Bbls. acid, 262 Bbls. water, 40,000# sand, 306,000 SCF N₂.

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			@ 1718'		
Sand & Shale			1718	1826	
Weir			1826	1949	
Sand & Shale			1949	2828	
Elizabeth			2828	2877	
Shale			2877	2901	
Warren			2901	3141	
Sand & Shale			3141	4231	
Riley			4231	4272	
Shale			4272	4360	
Benson			4360	4409	
Shale			4409	4486	
Total Depth				4486'	

(Attach separate sheets as necessary)

CARNEGIE NATURAL GAS COMPANY

Well Operator

By: Kenneth G. Dunay

Date: February 5, 1986

05/10/2024

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."

INSPECTOR'S PERMIT SUMMARY FORM

1st Permit-1944
9-10-84(DD)

WELL TYPE _____
ELEVATION _____
DISTRICT DEKALB
QUADRANGLE _____
COUNTY GILMER

API# 47-021 - 0665-D
OPERATOR CARNEGIE NATURAL GAS CO.
TELEPHONE _____
FARM HARVEY BEALL, ETUX
WELL # 1-1604

SURFACE OWNER _____ COMMENTS _____ TELEPHONE _____

TARGET FORMATION _____ DATE APPLICATION RECEIVED _____

DATE STARTED _____

LOCATION _____ NOTIFIED _____ DRILLING COMMENCED _____
RECEIVED
DEPT OF ENERGY
OIL AND GAS

WATER DEPTHS _____, _____, _____, _____

COAL DEPTHS _____, _____, _____, _____

JUN 17 1986

CASING

Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up

TD _____ feet on _____

PLUGGING

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____

Field analysis ph _____ fe _____ cl _____

Well Record received _____

Date Released 6/13/86

Craig Duckworth
Inspector's signature

05/10/2024

API# 47 _____ - _____

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

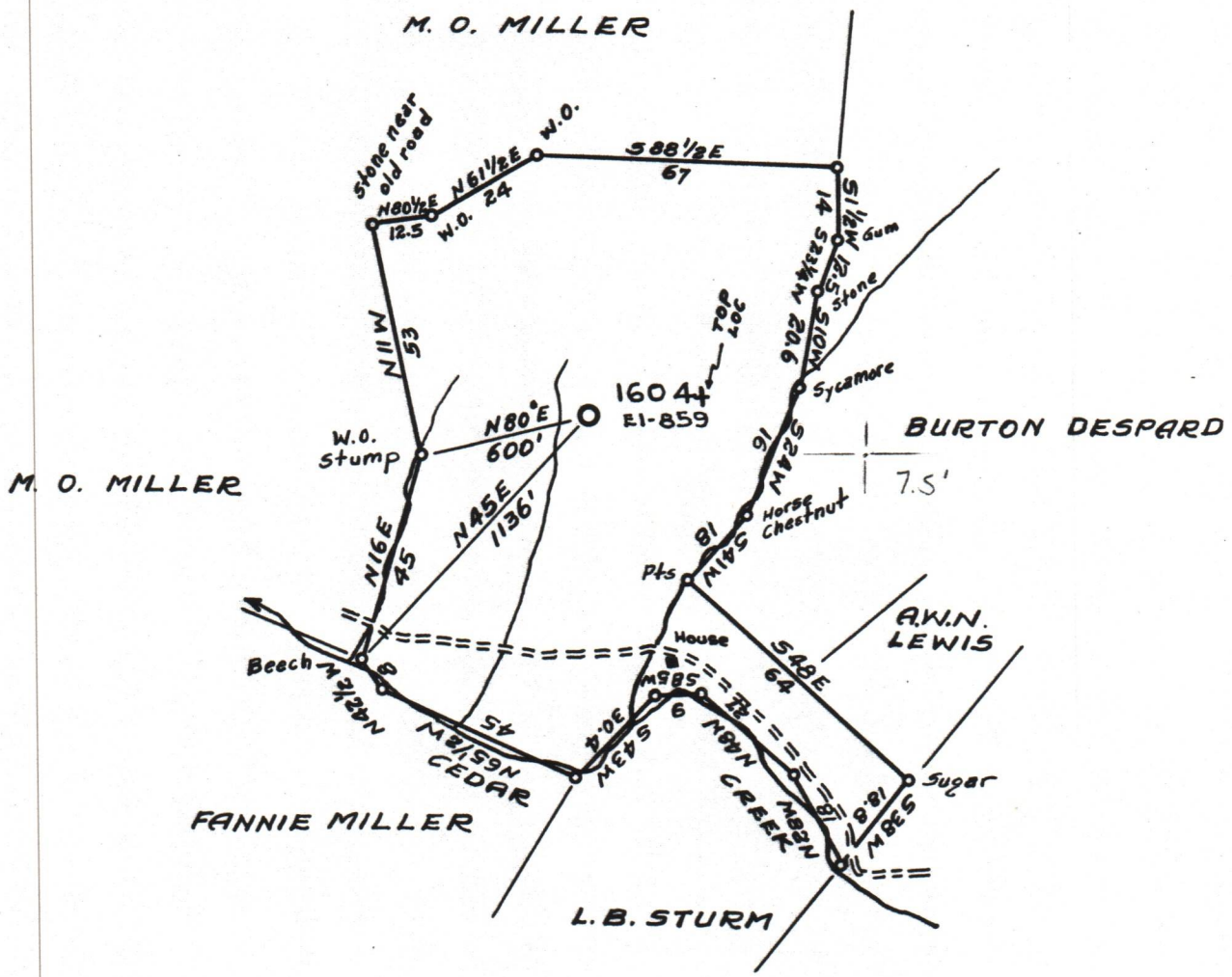
Notes

MN 9/6/84

4500'

Latitude 39° 00'
38° 57' 30" (7 1/2')

Longitude 80° 50'
80° 52' 30" (7 1/2')
10,500'



New Location

Drill Deeper

Abandonment

Company CARNEGIE NATURAL GAS

Address PITTSBURGH, PA.

Farm M.O. MILLER

Tract _____ Acres 68 Lease No. E-16772-19

Well (Farm) No. 1 Serial No. 1604

Elevation (Spirit Level) 859

Quadrangle TANNER 7.5' GLENVILLE NW

County GILMER District CENTER

Engineer D.T. BRITTON

Engineer's Registration No. _____

File No. _____ Drawing No. _____

Date 6-16-44 Scale 1" = 40 rods

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

WELL LOCATION MAP
FILE NO. GIL-665-00

05/10/2024

+ 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.