

FILE COPY
RECEIVED
AUG 28 1985



1) Date: August 23, 1985
 2) Operator's Well No. 1843
 3) API Well No. 47 -085-5170-D
 State 47 County Permit
 Formerley 47-085-5170

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
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: 1075' / Watershed: Straight Fork
 District: Union 4 / County: Ritchie / Quadrangle: Pullman 561
- 6) WELL OPERATOR Carnegie Gas CODE: 8650 7) DESIGNATED AGENT J.C. Stephenson
 Address 800 Regis Avenue Address Box 387
Pittsburgh, PA 15236 Mannington, WV 26582
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Sam Hersman 9) DRILLING CONTRACTOR:
 Address P.O. Box 66 Name Spencer Enterprises
Smithville, WV 26178 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, Alexander
- 12) Estimated depth of completed well, 5280 feet
- 13) Approximate trata depths: Fresh, Behind Pipe feet; salt, None feet.
- 14) Approximate coal seam depths: None Is coal being mined in the area? Yes _____ / No X /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well			
Conductor										Kinds
Fresh water *	1.75"	H-40	42	X		30'	30'			
Coal										Sizes
Intermediate *	8 5/8"	J-55	24	X		1372'	1372'	1372'		
Production	4 1/2"	J-55	10.5	X			5280'	2000'		Depths set
Tubing										
Lin...										Perforations:
										Top Bottom

*Existing Pipe In Well

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-085-5170-D

September 16 1985
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: <u>✓</u>	Agent: <u>FLB</u>	Plat: <u>Ant</u>	Casing: <u>Ant</u>	Fee: <u>15-45-16</u>	WPCP: <u>Ant</u>	S&E: <u>Ant</u>	Other: <u>Ant</u>
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NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]
Director, Division of Oil and Gas

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

12/29/2023 file

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OFFICE USE ONLY

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

Proposed well work shall be performed in accordance with the approved permit and conditions.
 Proposed well work shall be performed in accordance with the approved permit and conditions, and the permit shall be modified as follows:
 Proposed well work shall be performed in accordance with the approved permit and conditions, and the permit shall be modified as follows:
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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		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____

Reason: _____

[Handwritten signatures and notes]

1) Date: August 23, 1985
Operator's
2) Well No. 1843
3) API Well No. 47 - 085 - 5170 - 0
State County Permit
47-085-5170

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 Rosemary & Harold Cox
Address 3776 Greenwork Drive
Uniontown, Ohio 44685
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5 (i) COAL OPERATOR

Address _____

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

Name Billie C. Cox, Admn. of Harley
Address Rt.1, Box 165A Cox
Harrisville, WV 26362
Name Belle Cox, Atty.-in-Fact
Address Hrs. of Bruce Cox, c/oHilda
401 E. Myles Ave, Pennsboro WV 26415 King
~~XXXXXXXX COAL LESSEE WITH DECLARATION ON RECORD~~
Name Belle Cox, c/o Hilda King
Address 401 E. Myles Avenue
Pennsboro, WV 26415

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 erosion 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.

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.

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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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
is 26th day of August, 1985,
my commission expires Feb. 7, 1987.

Mauvalden S. Jones
Notary Public, Allegheny County,
Commonwealth 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

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

12/29/2023

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 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, iii) 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

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IV-9
(Rev 8-81) DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

DATE JULY 16, 1985
WELL NO. 3-1843
API NO. 47-085-5170-D

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME CARNEGIE NATURAL GAS CO. DESIGNATED AGENT J.C. STEPHENSON
Address 800 REGIS AVE., PGH., PA. 15236 Address BOX 387, MANNINGTON, WV 26582
Telephone (412) 655-8510 Telephone (304) 986-2060
LANDOWNER ROSEMARY AND HAROLD COX SOIL CONS. DISTRICT LITTLE KANAWHA
Revegetation to be carried out by SAME (Agent)

This plan has been reviewed by LITTLE KANAWHA SCD. All corrections and additions become a part of this plan: 7/24/85 (Date)

Rowell L. Stephens
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>CULVERT</u> (A)	Structure <u>DIVERSION DITCH</u> (1)
Spacing <u>STEEL PIPE</u>	Material <u>EARTHEN</u>
Page Ref. Manual <u>2-7</u>	Page Ref. Manual <u>2-12</u>
Structure <u>Open Ditch</u> (B)	Structure _____ (2)
Spacing <u>Along inside Rd Cuts</u>	Material _____
Page Ref. Manual <u>2-12</u>	Page Ref. Manual _____
Structure <u>Cross Drains</u> (C)	Structure _____ (3)
Spacing <u>As Per Table 1 Pg 2-4</u>	Material _____
Page Ref. Manual <u>2-4</u>	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

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

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

LIME ACCORDING TO pH TEST

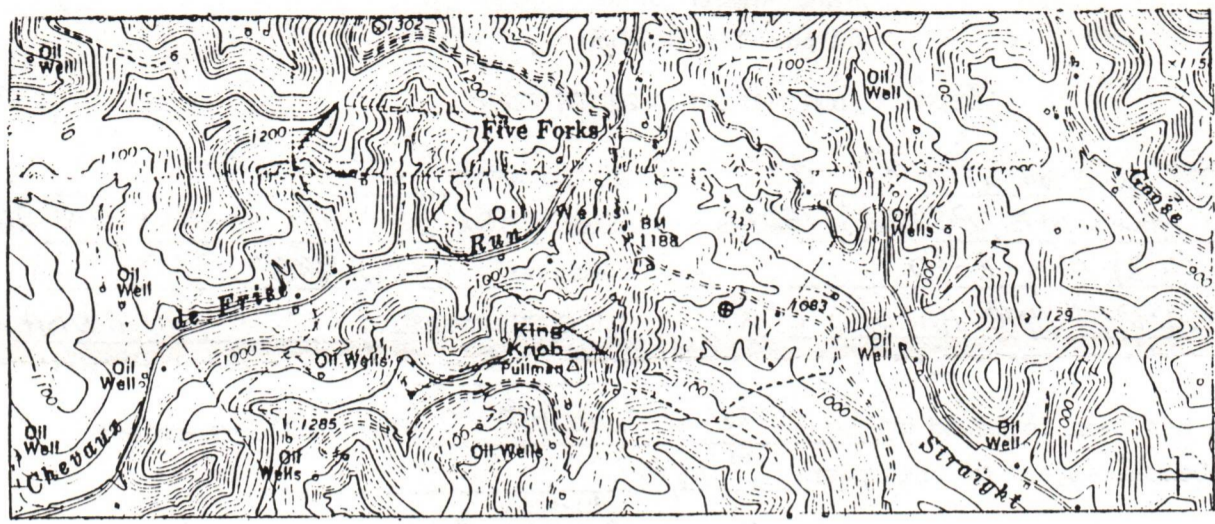
PLAN PREPARED BY KEN DUNAY 12/29/2023
ADDRESS CARNEGIE NATURAL GAS COMPANY
800 REGIS AVE.
PGH., PA. 15236
PHONE NO. (412) 655-8510

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

2021 07 08
0113711210
0110

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE PULLMAN

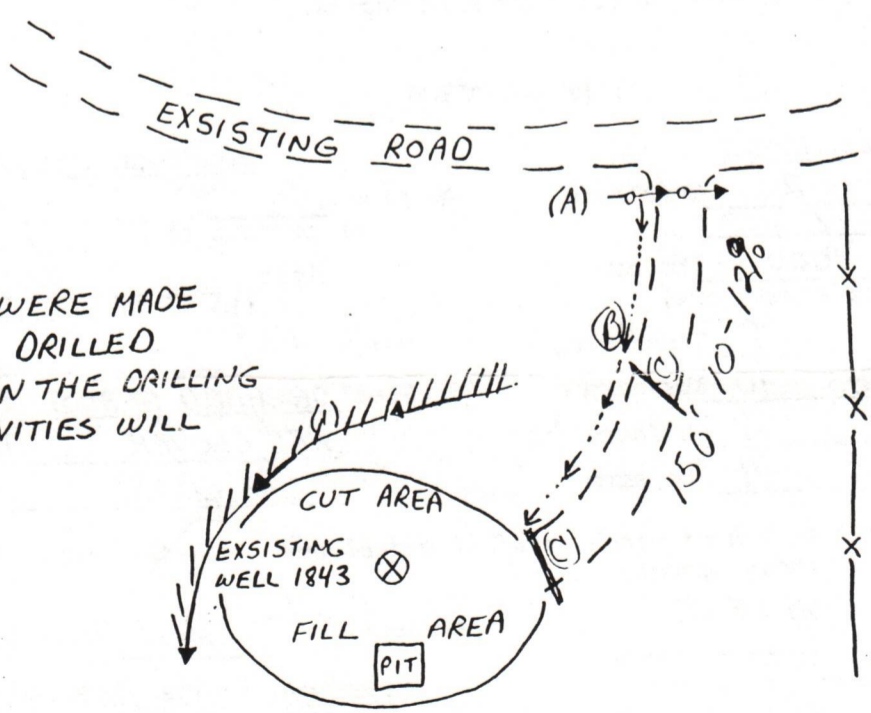
LEGEND	
Well Site	⊕
Access Road	—



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	—x—x—
Planned fence	—/—/—
Stream	~·~·~·~·~·~·~·~·~·~·~·
Open ditch	—····→—····→—····→—····→
Diversion	///////
Spring	⊙→
Wet spot	⊕
Building	■
Drain pipe	—○→○→○→
Waterway	↪⇒⇒⇒⇒



ALL REQUIRED CUTS WERE MADE WHEN THE WELL WAS DRILLED ORIGINALLY. OTHER THAN THE DRILLING CUT, DIRT MOVING ACTIVITIES WILL BE AT A MINIMUM

12/29/2023

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AUG 19 1985

ENGINEERING DEPT.

AGREEMENT, Made and entered into the 29th day of April A. D. 1918

by and between Lawrence Cox & Eva Cox his wife of Pullman W. Va. & Harley Cox & Susan Cox his wife, Ethel Reed & Ford Reed her husband - and C. M. Cox Guardian for Ethel Reed of Harrisonville Route 2

County of Ritchie and State of West Virginia, parties of the first part, and the CARNEGIE NATURAL GAS COMPANY, a Pennsylvania corporation, party of the second part.

WITNESSETH, that the said party 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 party 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 party of the second part, to be paid, kept and performed have granted, demised, leased and let and by these presents do grant, demise, lease and let unto the said party of the second part, its 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, situated in Union District Ritchie County and State of West Virginia, on the waters of Cheat Creek

bounded substantially as follows: On the North by lands of J. O. Nay, O. H. Walker & others On the East by lands of D. P. Sullivan & others On the South by lands of Frank Riggs & others On the West by lands of J. O. Nay & others Containing Eighty One (81) acres, more or less, reserving, however, therefrom One Hundred feet around the building 5 now on the presises 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 16 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 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 party or 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; and 2d—To pay to the first party or their heirs or assigns (\$75.00) Dollars each three months in advance for the gas from each and every 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 sixty days after commencing to use 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 the first party 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 from the date hereof or pay at the rate of thirty & 3/100 (\$30.30) 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 to or deposited to credit in or by check mailed to at P. O., County, State of or in the same manner to 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 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 Gas Company; and first party shall subscribe to and be bound by the reasonable rules and regulations of the said Gas Company, or its assigns, published at such time relating to such use of gas.

It is agreed that one-fourth of the rental accruing under this lease is to be deposited to the credit of C. M. Cox Guardian for Ethel Reed, one-fourth to the credit of Lawrence Cox, and one-half to the credit of Harley Cox, in the Pullman State Bank, at Pullman, West Virginia.

premises to run all the machinery necessary for drilling and operating thereon, and at any time to remove all machinery and fixtures placed on said premises; and further, upon the payment of one dollar per acre of the first part, the 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 of this agreement have hereunto set their hands and seals the day and year first above writted.

WITNESS: Lawrence Cox [SEAL] Eva F. Cox [SEAL] Harley Cox [SEAL] Ethel Reed [SEAL] C. M. Cox Guardian for Ethel Reed [SEAL] CARNEGIE NATURAL GAS COMPANY, By Vice President

30

12/29/2023

To-wit: I, Ernest Frymier

Notary Public of said County of Ritchie do certify that
Lawrence Cox & Eva Cox his wife and H. C. Cox & Susan Cox his
wife, Ethel Reed and Fred Reed her husband and
G. M. Cox, Guardian for Ethel Reed

hearts, whose names are signed to the within writing, bearing date the 19th day of

April A. D. 1918, at W.C. this day acknowledged the same before me in

my said County.
Given under my hand this 10th day of May A. D. 1918
Ernest Frymier

RECEIVED
MAY 28 1918
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY



RECEIVED
AUG 28 1995

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

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1. Company Name Carnegie Natural Gas Company
2. Mailing Address 800 Regis Avenue, Pittsburgh, PA 15236
3. Telephone 412-655-8510 4. Well Name Cox (#1843)
5. Latitude 30°12'30" - 13,500' S Longitude 80°57'30" - 4,600 West
6. NPDES # WV0073343 7. Dept. Oil & Gas Permit NO. 47-085-5170-DD
8. County Ritchie 9. Nearest Town Five Forks
10. Nearest Stream Straight Fork 11. Tributary of Slab Creek
12. Will Discharge be Contracted Out? yes no
13. If Yes, Proposed Contractor Spencer Enterprises
Address West Union, WV 26456
Telephone 304-873-1602
14. Proposed Disposal Method: UIC Land application
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.

12/29/2023



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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Pullman 7 1/2

Permit No. 085-5170

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

Company <u>Carnegie Natural Gas Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>3904 Main Street, Munhall, Pa. 15120</u>				
Farm <u>L. F. Cox</u> Acres <u>64</u>	Size			
Location (waters) <u>Straight Fork</u>	20-16			
Well No. <u>3-1843</u> Elev. <u>1075'</u>	Cond.			
District <u>Union</u> County <u>Ritchie</u>	13-10" 11"	30'	30'	
The surface of tract is owned in fee by _____	9 5/8			
Mrs. Rosemary Cox	8 5/8	1372'	1372'	390 sx
Address <u>1884 Carter Ave. Akron, Ohio</u>	7			
Mineral rights are owned by <u>Harley Cox et al.</u>	5 1/2			
Address <u>Various</u>	4 1/2	3194'	3194'	
Drilling Commenced <u>August 5, 1981</u>	3			
Drilling Completed <u>August 12, 1981</u>	2			
Initial open flow <u>231,000</u> cu. ft. <u>50</u> bbls.	Liners Used			
Final production <u>same</u> cu. ft. per day _____ bbls.				
Well open <u>22</u> hrs. before test <u>480</u> RP.				

Well treatment details:

Not Treated.

Attach copy of cementing record.

Coal was encountered at None Feet _____ Inches _____
Fresh water 85 Feet _____ Salt Water _____ Feet _____
Producing Sand Warren Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Clay			0	5		
Sand Rock			5	15		
R. R.			15	30		
Sand			30	60		
Shale			60	75		
Sand			75	100		
R.R. Shale			100	140		
Sand			140	172		
R. R. Shale			172	285		
Sand			285	350		
R. R. Shale			350	405		
Sand			405	430		
Shale			430	486		
R. R. Shale			486	555		
Sand			555	634		
R.R. Shale			634	670		
Sand			670	685		
Shale			685	1205		
Sand			1205	1270		
Shale			1270	1285		
Sand			1285	1385		
Shale			1385	1408		
Sand			1405	1594		
Shale			1594	1606		
Sand			1606	1648		

12/29/2023

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			1648	1797		
Sand			1797	1922		
Shale			1922	1950		
Lime			1950	1970		
Shale			1970	1985		
Lime			1985	2065		
Sand			2065	2075		
Shale			2075	2360		
Sand			2360	2440		
Shale			2440	3247		
Sand			3247	3249	Oil & Gas @3248'	
Shale			3249	3256		
Sand			3256	3258		
Shale			3258	3263		
Sand			3263	3264		
Shale			3264	3285		
T.D.				3285'		

12/29/2023

Date September 3, 81
 APPROVED Kenneth H. Dunay Owner

P 047 342 623

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

Sent to	BILLIE C. COX	
Street and No.	ROUTE 1, BOX 165A	
P.O., State and ZIP Code	HARRISVILLE, WV 26362	
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	AUG 26 1985 PITTSBURGH PA PLEASANT HILLS BR. USPO	

COAL OWNER NOTIFICATION - WELL # 1843

P 047 342 634

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

Sent to	BELLE COX	
Street and No.	c/o HILDA KING 401 E. MYLES AVENUE	
P.O., State and ZIP Code	PENNSBORO, WV 26415	
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	AUG 26 1985 PITTSBURGH PA PLEASANT HILLS BR. USPO	

COAL OWNER NOTIFICATION - WELL # 1843

RECEIVED
AUG 28 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

P 047 342 624

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

Sent to	HAROLD & ROSEMARY COX	
Street and No.	3776 GREENWORK DR.	
P.O., State and ZIP Code	UNIONTOWN, OHIO 44685	
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	AUG 26 1985 PITTSBURGH PA PLEASANT HILLS BR. USPO	

SURFACE OWNER NOTIFICATION - WELL # 1843

12/29/2023

WR-35

DEPARTMENT OF ENERGY
OIL AND GAS



State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date April 30, 1986
Operator's
Well No. 1843 (Lease 10364)
Farm L. F. Cox
API No. 47 - 085 - 5170-D

MAY 5 1986

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: 1075' Watershed Straight Fork
District: Union County Ritchie Quadrangle Pullman

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 Rosemary & Harold Cox
ADDRESS 3776 Greenwork Dr., Uniontown, OH 44685
MINERAL RIGHTS OWNER Billie C. Cox, et al
ADDRESS Rt. 1, 165A, Harrisville, WV 26382
OIL AND GAS INSPECTOR FOR THIS WORK Sam Hersman
ADDRESS Smithville, WV 26178
PERMIT ISSUED September 16, 1985
DRILLING COMMENCED December 5, 1985
DRILLING COMPLETED December 6, 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 $\frac{1}{2}$ ft.
Size 20-16 Cond.			
11 3/4" 13-10"	30'	30'	
9 5/8			
8 5/8	1372'	1372'	1372'
7			
5 1/2			
4 1/2		3508'	600'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5280 feet
Depth of completed well 3676 feet Rotary x / Cable Tools
Water strata depth: Fresh feet; Salt feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Warren Pay zone depth 3411-46 feet
Gas: Initial open flow 9 Mcf/d Oil: Initial open flow 50 Bbl/d
Final open flow 31 Mcf/d Oil: Final open flow 10 Bbl/d
Time of open flow between initial and final tests +1000 hours
Static rock pressure 135 psig (surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth 12/29/2023 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)

Ritchie 5170-D

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

Fractured by Halliburton on 12-18-85.

Perf 3411-46' W/14, Treated W/600 gal. Acid, 345 Bbls. Oil,
30,000# Sand.

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 @			3285'		
Warren			3285'	3465	
Shale			3465	3676	
Total Depth				3676'	

(Attach separate sheets as necessary)

Carnegie Natural Gas Company
Well Operator

By: Kenneth G. Dunay

Date: April 30, 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."

IR-26
Obverse

INSPECTOR'S PERMIT SUMMARY FORM

9-16-85

WELL TYPE _____
ELEVATION 1075
DISTRICT UNION
QUADRANGLE PULLMAN 7.5
COUNTY RITCHIE

API# 47-085 -5170-DD
OPERATOR CARNEGIE NATURAL GAS
TELEPHONE _____
FARM L. F. COX
WELL # 3-1843

SURFACE OWNER _____ COMMENTS _____ TELEPHONE _____

TARGET FORMATION _____ DATE APPLICATION RECEIVED _____

DATE STARTED _____

LOCATION 11-22-85 NOTIFIED 11-18-85 DRILLING COMMENCED 11-22-85

WATER DEPTHS 85', _____, _____, _____

COAL DEPTHS _____, _____, _____, _____

CASING

Ran 1370 feet of 8 5/8" "pipe on 8-16-81 with C.T.S. fill up

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

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

Ran 3508 feet of 4 1/4" "pipe on 12-8-85 with UNKNOWN fill up

TD 3676 feet on 12-8-85

DEPARTMENT OF ENERGY
OIL AND GAS

PLUGGING

JUN 10 1986

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____

Field analysis ph _____ fe _____ cl _____

Well Record received _____

Date Released 6-4-86

Samuel N. Heisman
Inspector's signature

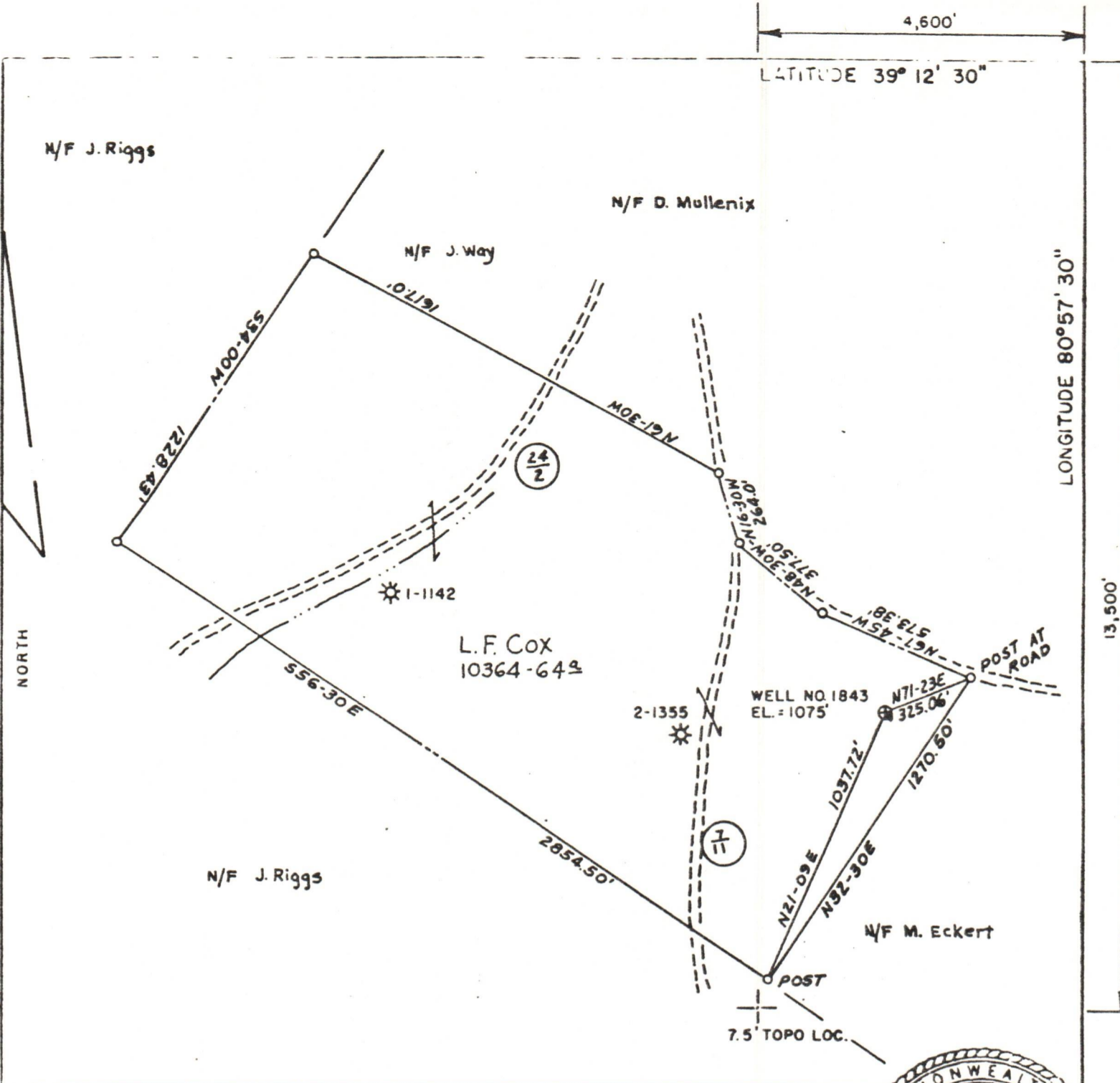
12/29/2023

API# 47085 - 5170-D

LIST ALL VISITS FOR THIS PERMIT

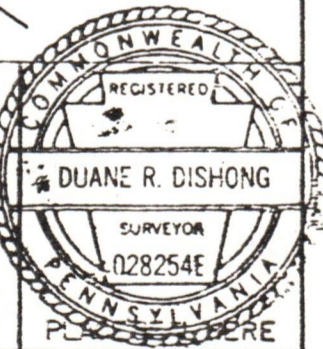
	DATE	TIME	PURPOSE	COMMENTS
1	11-22-85		visit - rig on site	
2	11-27-85		visit - rig down	
3	12-2-85		visit - starting hob clean up.	
4	12-9-85		visit - T.D. Hob and completed on 12-8-85	
5	4-22-86		visit - check pit dewatering	
6	6-4-86		Make Final Inspection	
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION U.S.G.S. B.M. 1000' N.W. OF LOC. ELEV. = 1188'

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) *Duane R. Dishong*
 R.P.E. _____ L.L.S. 028254E (PA.)



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



DATE MARCH 20, 19 81
 OPERATOR'S WELL NO. 3-1843
 API WELL NO. 47 085 5770-D
 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 1075' WATER SHED STRAIGHT FORK
 DISTRICT UNION COUNTY RITCHIE
 QUADRANGLE PULLMAN 7.5'
 SURFACE OWNER MRS. RAYMOND COX ACREAGE 64
 OIL & GAS ROYALTY OWNER HARLEY COX ET AL LEASE ACREAGE 64 12/29/2023
 LEASE NO. 10364
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 3,375'
 WELL OPERATOR CARNEGIE NATURAL GAS CO. DESIGNATED AGENT W.L. YOMO, SUPERINTENDENT
 ADDRESS 3904 MAIN STREET ADDRESS TOLL GATE, W. VA., 26442
 MUNHALL, PA., 15120



DATE: August 23, 1985
OPERATOR'S
WELL NO.: 1843

API NO: 47 - -
State County Permit No
Formerley 47-085-5170

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

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



Department of Energy

Division of Oil & Gas
Department of Energy

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AUG 28 1995

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

County of ...

Faint, illegible text in the middle section of the document, possibly a title or header for a report.

...

...



AGREEMENT, Made and entered into the

29th day of April

A. D. 1918

by and between

Lawrence Cox & Eva Cox his wife of Putnam W. Va & Harley Cox & Susan Cox his wife, Ethel Reed & Fred Reed her husband - and C. M. Cox Guardian for Ethel Reed

County of

Ritchie

and State of

West Virginia

parties of the first part, and the CARNEGIE NATURAL GAS COMPANY, a Pennsylvania corporation, party of the second part.

WITNESSETH, that the said part... 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 party 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 party of the second part, to be paid, kept and performed ha... granted, demised, leased and let and by these presents do... grant, demise, lease and let unto the said party of the second part, its 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, situated in

Ritchie

County and State of West Virginia, on the waters of

Union District of Putnam County

bounded substantially as follows:

On the North by lands of J. O. Ray, O. H. Walker & others

On the East by lands of J. P. Sullivan & others

On the South by lands of Frank Rigan & others

On the West by lands of J. O. Ray & others

Containing Eighty One (81) acres, more or less, reserving, however, therefrom

one hundred feet around the 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 ten 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 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...

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; and 2d-

To pay to the first part... Dollars each three months in advance for the gas from each and every 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 sixty days after commencing to use 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 the first part...

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 three days from the date hereof or pay at the rate of...

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 to...

or by check mailed to... at... P. O.,

County, State of... or in the same manner to

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 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 Gas Company; and first part...

shall subscribe to and be bound by the reasonable rules and regulations of the said Gas Company, or its assigns, published at such time relating to such use of gas.

It is agreed that one-fourth of the rental accruing under this lease is to be deposited, to the credit of C. M. Cox Guardian for Ethel Reed, one-fourth to the credit of Lawrence Cox, and one-half to the credit of Harley Cox, in the Putnam State Bank, at Putnam, West Virginia.

premises to run all the machinery necessary for drilling and operating thereon, and at any time to remove all machinery and fixtures placed on said premises; and further, upon the payment of...

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 of this agreement have hereunto set their hands and seals the day and year first above writted.

WITNESS

C. M. Cox Guardian for Ethel Reed

Lawrence Cox [SEAL]

Eva T. Cox [SEAL]

Harley Cox [SEAL]

Ethel Reed [SEAL]

CARNEGIE NATURAL GAS COMPANY, Vice President

12/29/2023

To-Wit: I, Ernest Frymier
Notary Public of said County of Ritchie, do certify that
Lawrence Cox & Eva Cox his wife and H.C. Cox & Susan Cox his
wife, Ethel Reed and Fred Reed her husband and
C.M. Cox Guardian for Ethel Reed
whose name & are signed to the within writing, bearing date the 29th day of
April A. D. 1918, ha ve this day acknowledged the same before me in
my said County.
Given under my hand this 10th day of May A. D. 1918

My Commission Expires Feb. 10, 1927
Ernest Frymier
Notary Public

RECEIVED
AUG 28 1995

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

STATE OF West Virginia
COUNTY OF Ritchie
To Wit: I, C. E. Ross
a Notary Public of said County of Ritchie, do certify that
Fred Reed and Ethel Reed
his wife, whose name & on signed to the within writing, bearing date the 29th day of
April A. D. 1918, ha ve this day acknowledged the same before me
in my said County.

A. D. 1918, ha ve this day acknowledged the same before me
in my said County.
Given under my hand this 10th day of May A. D. 1918
Ernest Frymier
Notary Public
My Commission Expires Feb. 10, 1927

Filed and admitted to record
in the Office of the Clerk of
the County Court of Ritchie
County, W. Va. SEP 27 1918
1918 at 0 o'clock M.
Recorded in Case
Book No. 41 Page 158

Part of Lease # 6682
No. 10744
25/10 W. Va. 11-11-18
Oil and Gas Lease.
FROM
Lawrence Cox, et al
TO
Carnegie Natural Gas Co
Date April 29 1918
Term, 6 Years.
No. Acres. 61
LOCATION:
Charmers deforia
District 2
Filed and admitted to record
in the Office of the Clerk of
the County Court of Ritchie
County, W. Va. DEC 1 1918
1918 at 0 o'clock M.
Recorded in Case
Book No. 47 Page 125
Teste Ernest Frymier