

FILE COPY
RECEIVED
JUN 12 1985



1) Date: June 12, 19 85
2) Operator's Well No. Cooke A-5
3) API Well No. 47 -109-0981
State _____ County _____ Permit _____

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

OIL & GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

DEPT. OF MINES

- 4) WELL TYPE: A Oil _____ Gas X /
B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow X /).
- 5) LOCATION: Elevation: 1738.6 Watershed: Unnamed Tributary of Clear Fork
District: Oceana 6 County: Wyoming Quadrangle: Matheny 463
- 6) WELL OPERATOR Cabot Oil & Gas Corp. of WV 7) DESIGNATED AGENT David G. McCluskey
Address P.O. Box 628 Address P.O. Box 628
Charleston, WV 25322 8150 Charleston, WV 25322
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Arthur St. Clair
Address P.O. Box 468
Brenton, WV 24818
- 9) DRILLING CONTRACTOR: Name UNKNOWN
Address _____
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate _____
Plug off old formation _____ / Perforate new formation _____
Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Ravencliff @ 1800', Big Lime @ 2740', Weir @ 3270'
- 12) Estimated depth of completed well, 3350 feet
- 13) Approximate trata depths: Fresh, 75, 150, 250 feet; salt, 1310 feet.
- 14) Approximate coal seam depths: 230 & 798 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		
Conductor	16		65	X		30	30	10 sks. Neat CTS
Fresh water	11-3/4			X		350	350	170 sks. Neat CTS
Coal								Sizes
Intermediate	8-5/8		24	X		1650	1650	425 sks. Neat CTS
Production	4-1/2		10.5	X		3350	3350	160 sks. or Depths set
Tubing								as req. by Rule 15.01
Liners								Perforations: Top _____ Bottom _____

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-109-0981 Date June 28, 19 85

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 June 28, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:
30	ALB	MM MM	MM MM	14832

Margaret Hassel
Administrator, Office of Oil and Gas

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

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

File 12/29/2023

OFFICE USE ONLY

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

Well No.	Section	Depth	Remarks
10	10	30	10 sks. West CTS
350	350	350	170 sks. West CTS
1550	1550	1550	425 sks. West CTS
3350	3350	3350	160 sks. or

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: _____

12/29/2023



1) Date: June 12, 19 85
 2) Operator's Well No. Cooke A-5
 3) API Well No. 47
 State _____ County _____ Permit _____

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 _____ / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1738.6 / Watershed: Unnamed Tributary of Clear Fork
 District: Oceana / County: Wyoming / Quadrangle: Metheny
- 6) WELL OPERATOR: Cabot Oil & Gas Corp. of WV
 Address: P.O. Box 628
Charleston, WV 25322
- 7) DESIGNATED AGENT: David G. McCluskey
 Address: P.O. Box 628
Charleston, WV 25322
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED: Arthur St. Clair
 Name: _____
 Address: P.O. Box 468
Brenton, WV 24818
- 9) DRILLING CONTRACTOR: UNKNOWN
 Name: _____
 Address: _____
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate _____ /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify): _____
- 11) GEOLOGICAL TARGET FORMATION, Ravenscroft @ 1800', Big Lime @ 2740', Weir @ 3270'
- 12) Estimated depth of completed well, 3350 feet
- 13) Approximate trata depths: Fresh, 75, 150, 250 feet; salt, 1310 feet.
- 14) Approximate coal seam depths: 230 & 798 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	<u>16</u>		<u>65</u>	<u>X</u>		<u>30</u>	<u>30</u>	<u>10 sks. Neat CTS</u>	Kinds
Fresh water	<u>11-3/4</u>			<u>X</u>		<u>350</u>	<u>350</u>	<u>170 sks. Neat CTS</u>	
Coal									Sizes
Intermediate	<u>8-5/8</u>		<u>24</u>	<u>X</u>		<u>1650</u>	<u>1650</u>	<u>425 sks. Neat CTS</u>	
Production	<u>4-1/2</u>		<u>10.5</u>	<u>X</u>		<u>3350</u>	<u>3350</u>	<u>160 sks. or as req. by Rule 15.01</u>	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of the filing of the Application.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____
30 Feb MUMU 14832

By Margaret J. Lisse
 Its _____
 Coal Owner

12/29/2023
 Coal Owner



1) Date: June 12, 19 85
 2) Operator's Well No. Cooke A-5
 3) API Well No. 47
 State _____ County _____ Permit _____

**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 _____ / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1738.6 Watershed: Unnamed Tributary of Clear Fork
 District: Oceana County: Wyoming Quadrangle: Metheny
- 6) WELL OPERATOR: Cabot Oil & Gas Corp. of WV 7) DESIGNATED AGENT: David G. McCluskey
 Address: P.O. Box 623 Address: P.O. Box 623
Charleston, WV 25322 Charleston, WV 25322
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name: Arthur St. Clair Name: UNKNOWN
 Address: P.O. Box 468 Address: _____
Brenton, WV 24818
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, _____
- 12) Estimated depth of completed well, 75, 150, 250 feet
 13) Approximate trata depths: Fresh, 230 & 798 feet; salt, 1310 feet.
 14) Approximate coal seam depths: _____ 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	<u>11-3/4</u>		<u>65</u>	<u>X</u>		<u>30</u>	<u>350</u>	<u>10 sks. Neat</u>	<u>CTS</u>
Fresh water								<u>170 sks. Neat</u>	<u>CTS</u>
Coal	<u>8-5/8</u>		<u>24</u>	<u>X</u>		<u>1650</u>	<u>1650</u>	<u>425 sks. Neat</u>	<u>Sizes</u>
Intermediate	<u>4-1/2</u>		<u>10.5</u>	<u>X</u>		<u>3350</u>	<u>3350</u>	<u>160 sks. or</u>	<u>Depths set</u>
Production								<u>as req. by Rule 15.01</u>	
Tubing									
Liners									Perforations:
									Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: _____
 By _____
 Its _____ Date _____

 (Signature)

 (Signature)
 Date: _____
 Date: _____

12/29/2023
 Surface Owner



**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (**NOTE:** If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- “(1) The proposed well work will constitute a hazard to the safety of persons; or
- “(2) The plan for soil erosion and sediment control is not adequate or effective; or
- “(3) Damage would occur to publicly owned lands or resources; or
- “(4) The proposed well work fails to protect fresh water sources or supplies.”

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

12/29/2023
Surface Owner



DATE June 5, 1985
WELL NO. CookeA-5
API NO. 47 - 109 - 0981

FIELD
REVIEWED

State of West Virginia
Department of Mines
Oil and Gas Division

Construction and Reclamation Plan

COMPANY NAME Cabot Oil & Gas Corporation
ADDRESS P.O. Box 628, Chas. WV 25322
TELEPHONE 304-347-1600
LANDOWNER Anne Wittenberg Cooke, et al

DESIGNATED AGENT David McCluskey
ADDRESS P.O. Box 628 Chas. WV 25322
TELEPHONE 304-347-1600
SOIL CONS. DISTRICT Southern

Revegetation to be carried out by _____ Company Contractor _____ (Agent)

This plan has been reviewed by Southern SCD. All corrections and additions have become a part of this plan.

6-11-85

(Date)

Gary W. Basch
(SCD Agent)

JUN 12 1985
OIL & GAS DIVISION
DEPT. OF MINES

ACCESS ROAD	LOCATION
STRUCTURE <u>Ditch Relief Cross Drain</u> (A)	STRUCTURE _____ (1)
SPACING <u>Per Plan</u>	MATERIAL _____
PAGE REF. MANUAL <u>2-1, 2-2, 2-3, 2-4</u>	PAGE REF. MANUAL _____
STRUCTURE <u>Culvert</u> (B)	STRUCTURE _____ (2)
SPACING <u>Per Plan</u>	MATERIAL _____
PAGE REF. MANUAL <u>2:7, 2:8 & 2:9</u>	PAGE REF. MANUAL _____
STRUCTURE _____ (C)	STRUCTURE <u>Sediment Barrier</u> (3)
SPACING _____	MATERIAL <u>Straw Bales or Filter Fence</u>
PAGE REF. MANUAL _____	PAGE REF. MANUAL <u>2:16, 2:18 & 2:19</u>

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 earth work begins.

Revegetation

TREATMENT AREA I

Lime <u>3</u> Tons/acre	or correct to pH <u>6.5</u>
Fertilizer <u>500</u> lbs/acre	(10-20-20 or equivalent)
Mulch <u>Hay or Straw @ 1 1/2</u> Tons/acre	
Seed* <u>Orchard Grass</u> <u>12</u> lbs/acre	
<u>Ladino Clover</u> <u>3</u> lbs/acre	
	lbs/acre

TREATMENT AREA II

Lime <u>3</u> Tons/acre	or correct to pH <u>6.5</u>
Fertilizer <u>500</u> lbs/acre	(10-20-20 or equivalent)
Mulch <u>Hay or Straw @ 1 1/2</u> Tons/acre	
Seed* <u>Ky-31 Tall Fescue</u> <u>40</u> lbs/acre	
<u>Redtop</u> <u>5</u> lbs/acre	
	lbs/acre


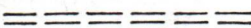
*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X the recommended amount.

Note: Please request landowner cooperation to protect new seedlings for one growing season. Attach separate sheets as necessary for comments.

PLAN PREPARED BY David McCluskey 12/29/2023
Cabot Oil & Gas Corporation
ADDRESS P.O. Box 628
Charleston, WV 25322
PHONE NO. (304) 347-1600

LEGEND

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Matheny 7.5' Quad.



















WELL SITE 
ACCESS ROAD 

PHOTOCOPY ATTACHED
SKETCH ATTACHED

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

WELL LOCATION		DRILLING PIT	
PROPOSED ROAD		EXISTING ROAD	
PROPERTY BOUNDARY		DIVERSION	
EXISTING FENCE		PROPOSED FENCE	
STREAM		SPRING	
WET SPOT		OPEN DITCH	
DRAIN PIPE		BUILDING	
WATERWAY		CULVERT	
RIP RAP		SLOPE OF LAND	

COMMENTS: Ditch Relief Cross Drains to be installed as an integral part of the reclamation process and shall be spaced in accordance with Table I on page 2-4 of the erosion and sediment control manual and shall be based upon the as-built slopes of the final road configuration.

Portions of existing/proposed roads which are located in "solid" rock shall not require ditches and/or cross drains, unless otherwise warranted by field conditions.

The existing portion of access road to the site to be graded, ditches pulled and drains installed where required by field conditions.

Please note that portions of the proposed/existing access roads are immediately adjacent to the stream and that temporary sediment control will be utilized as dictated by field conditions at time of construction.

12/29/2023

1) Date: June 12, 1985
2) Operator's Well No. Cooke A-5
3) API Well No. 47 109-0981
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

SURFACE OWNER(S) OF RECORD TO BE SERVED

5(i) COAL OPERATOR NOT OPERATED

(i) Name SEE ATTACHED SHEET
Address _____

Address _____

ii) Name _____
Address _____

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

Name SEE ATTACHED SHEET

Address _____

ii) 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 IV-2(B) (or Form IV-4 if the well is to be plugged, 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 IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-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 (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 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 Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-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 Administrator.

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 22-4-1-(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 IV-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

WELL OPERATOR CABOT OIL & GAS CORPORATION OF WV

By H. Baird Whitehead
Its Regional Manager, Drilling & Production
Address P.O. Box 628
Charleston, WV 25322
Telephone (304) 347-1600

H. Baird Whitehead
his 12 day of June, 1985.
My commission expires March 5, 1989.

Lois Miller
Notary Public, Kanawha County,
State of West Virginia

RECEIVED

JUN 12 1985

OIL & GAS DIVISION
DEPT. OF MINES

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)

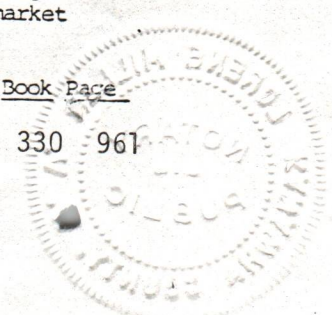
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book Page</u>
Anne W. Cooke, et al	Cabot Oil & Gas Corp.	1/8	330 961

(CURRENT ROYALTY OWNER - SEE ATTACHED SHEET)



SURFACE OWNERS

COAL OWNERS

OIL & GAS ROYALTY OWNERS

COOKE A-5

Anne W. and Joseph E. Cooke
58 Oakwood Road
Huntington, West Virginia 24701

Jane Wittenberg
405½ South Detroit Street
Los Angeles, California 90036

Peter Newman Wittenberg
132 Beaumont Street
Beaumont Apartments
Apartment #15
Martin, Tennessee 38237

Estate of Daisey M. Gooch
309 Ballingar Street
Hinton, West Virginia 25951

Eleanor W. Ewart
200 East 66th Street, Apartment C-601
New York, New York 10021

Hildegard Ewart Wells
6A - Eden Drive
New Braunfels, Texas 78130

Keven E. Hargreaves
P.O. Box 218
Concord, Massachusetts 01742

P 591 457 205

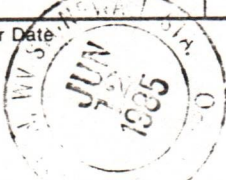
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982 * U.S.G.P.O. 1983-403-517

Carlo AS

Sent to Ms. Hildegard Ewart Wells	
Street and No. 6-A - Eden Drive	
P.O., State and ZIP Code New Braunfels, Texas 78130	
Postage	\$
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	\$
Postmark or Date	

P 591 457 204

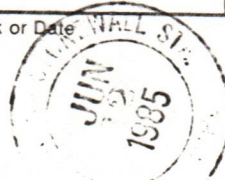
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982 * U.S.G.P.O. 1983-403-517

Carlo AS

Sent to Mr. Keven E. Hargreaves	
Street and No. P.O. Box 218	
P.O., State and ZIP Code Concord, Massachusetts 01742	
Postage	\$
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	\$
Postmark or Date	

P 591 457 207

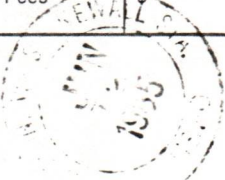
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982 * U.S.G.P.O. 1983-403-517

Carlo AS

Sent to Estate of Daisey M. Gooch	
Street and No. 309 Ballingar Street	
P.O., State and ZIP Code Hinton, WV 25951	
Postage	\$
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	\$
Postmark or Date	

P 591 457 206


RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982 * U.S.G.P.O. 1983-403-517

Carlo AS

Sent to Ms. Eleanor W. Ewart	
Street and No. 200 East 66th St., Apt. C-501	
P.O., State and ZIP Code New York, New York 10021	
Postage	\$
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	\$
Postmark or Date	

RECEIVED

JUN 12 1985

OIL & GAS DIVISION
DEPT. OF MINES

12/29/2023

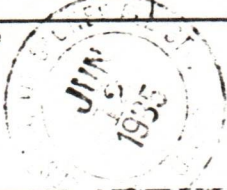
P 591 457 209

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982 *7-15* ★ U.S.G.P.O. 1983-403-517

Sent to Ms. Jane Wittenberg	
Street and No. 405-172 South Detroit Street	
P.O., State and ZIP Code Los Angeles, California 90036	
Postage	\$
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	\$
Postmark or Date 	


P 591 457 208

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982 *7-15* ★ U.S.G.P.O. 1983-403-517

Sent to Mr. Peter N. Wittenberg	
Street and No. 132 Beaumont Street Beaumont Apartments Apartment #15	
P.O., State and ZIP Code Martin, Tennessee 38237	
Postage	\$
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	\$
Postmark or Date 	

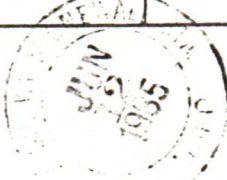
P 591 457 210

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, Feb. 1982 *7-15* ★ U.S.G.P.O. 1983-403-517

Sent to Mr. Joseph & Mrs. Anne Cooke	
Street and No. 58 Oakwood Road	
P.O., State and ZIP Code Huntington, WV 24701	
Postage	\$
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	\$
Postmark or Date 	

RECEIVED

JUN 12 1985

OIL & GAS DIVISION
DEPT. OF MINES

12/29/2023

RECEIVED
OCT 21 1985



IV-35
(Rev 8-81) DIVISION OF OIL & GAS
DEPT. OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date October 17, 1985
Operator's _____
Well No. A-5
Farm Cooke
API No. 47 - 109 - 0981

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 ___ / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 1738.6' Watershed Unnamed Tributary of Clear Fork
District: Oceana County Wyoming Quadrangle Matheny

COMPANY Cabot Oil & Gas Corporation of WV

ADDRESS P.O. Box 628, Charleston, WV 25322

DESIGNATED AGENT David G. McCluskey

ADDRESS P.O. Box 628, Charleston, WV 25322

SURFACE OWNER See Attached Sheet

ADDRESS _____

MINERAL RIGHTS OWNER See Attached Sheet

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Arthur

St. Clair ADDRESS Brenton, WV 24818

PERMIT ISSUED June 28, 1985

DRILLING COMMENCED 7/10/85

DRILLING COMPLETED 7/18/85

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 <u>20x16</u> Cond.	51'	51'	8 sks.
<u>11-3/4" 13x10X</u>	366.45'	366.45'	230 sks.
<u>9 5/8</u>			
<u>8 5/8</u>	1688.6'	1688.6'	450 sks.
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>	3407.3'	3407.3'	260 sks.
<u>x2x 1</u>	2406.11'	2406.11'	
<u>x2x 1 1/2</u>	3023.52'	3023.52'	
<u>liners used</u>	Pkr. set @ 2515.60'		

GEOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Weir Depth W 3201-3299 feet

Depth of completed well 3450 feet Rotary X / Cable Tools _____

Water strata depth: Fresh 36, 63, feet; Salt _____ feet,

Coal seam depths: _____ Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Ravencliff, Upper Maxton Pay zone depth M 2392-2460 feet

Gas: Initial open flow NSR Mcf/d Oil: Initial open flow --- Bbl/d

6 hr Final open flow 146 Mcf/d Final open flow --- Bbl/d

Time of open flow between initial and final tests --- hours

Static rock pressure 502 psig (surface measurement) after 6 hours shut in

(If applicable due to multiple completion--)

Second producing formation Big Lime Pay zone depth 2878-2938 feet

Gas: Initial open flow NSR Mcf/d Oil: Initial open flow --- Bbl/d

6 hr Final open flow 246 Mcf/d Oil: Final open flow --- Bbl/d

Time of open flow between initial and final tests --- hours

Static rock pressure 618 psig (surface measurement) after 6 hours shut in

(Continue on reverse side)

RECEIVED

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

Perf Big Lime 2878', 80', 86', 88', 90', 2926', 28', 30', 32', 34', 36' & 38' (12 holes). Small show of gas. Treated Big Lime w/8000 gal gelled acid. B/D perfs @ 800 psi. AIR 4 BPM energized w/800 Scf N₂/min for total 6.7 BPM. ATP 900 psi, max 1000 psi. T/F 190 bbls. Total N₂ 100,000 Scf. ISIP 1500 psi, 15 min 1500 psi. Perf Maxton sand 2392-95', 2402'-04', 10', 12', 14', 16', 18', 20', 22', 24', 26', 28', 30', 38', 40', 56', 58', 60' (20 holes). Treated Maxton sand w/75 Q foam, 80,000# 20/40 sand, 500 gal 15% HCL & 853,000 Scf Total N₂. B/D perfs @ 1800 psi. ISIP after break 1800 psi. Max sand concentration 2.5#/gal. AIR 7 BPM H₂O, 14,000 Scf/min N₂. Total rate 28 BPM. ATP 2150 psi. Max 2150 psi. T/F 445 bbls, S/L 326 bbls. ISIP 2150 psi, 15 min 1500 psi. Prep to treat Ravencliff. Perf from 1831-33', 35', 37', 39', 41', 43', 45', 47', 50', 52', 54', 59', 60', 61' (15 holes). Treated w/75 Q foam & 70,000# 20/50 sand, 500 gal 15% HCL & 745,000 Scf. B/D perf @ 3800 psi. ISIP after B/D 2500 psi. Max sand concentration 2#/gal. AIR 5 bbls. H₂O, 13,000 Scf/min N₂. Total rate 20 BPM. ATP 2800 psi. Max 3000 psi. T/F 390 bbls. S/L 264²bbls. ISIP 2300²psi, 15 min 1700 psi.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	1710	FW 2" stream @ 36'
Princeton			1710	1750	
Shale and Sand			1750	1823	
Ravencliff			1823	1866	
Avis			1866	1907	
Shale			1907	1932	
Sandstone			1932	1960	
Shale and Sandstone			1960	2373	Gas Checks:
Upper Maxton			2373	2473	1725 - NSR
Shale			2473	2535	1888 - NSR
Lower Maxton			2535	2600	2514 - NSR
Little Lime			2600	2760	2701 - NSR
Shale			2760	2775	2856 - NSR
Big Lime			2775	3084	3293 - NSR
Shale and Sandstone			3084	3201	3450 - 30/10 3/4" H ₂ O
Upper Weir			3201	3223	
Shale			3223	3282	
Lower Weir			3282	3299	
Shale and Sandstone Stringers			3299	3450	
				LTD 3450	
				DTD 3450	

(Attach separate sheets as necessary)

CABOT OIL & GAS CORPORATION OF WEST VIRGINIA
Well Operator

By: David M. Cheskey 12/29/2023
Date: October 17, 1985

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."

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

RECEIVED
JUL 5 - 1985

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Wyo-109-981 issued have not Rec. Copy
Permit No. _____

Oil or Gas Well Gas
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address	Size			
Farm	16			Kind of Packer
Well No.	13			
District	10			Size of
County	8 1/4			
Drilling	6 5/8			Depth set
Drilling completed	5 3/16			
Total depth	3			Perf. top
Date shot	2			Perf. bottom
Depth of shot	Liners Used			Perf. top
Initial open flow				Perf. bottom
/10ths Water in				
Inch				
Open flow after tubing				
/10ths Merc. in				
Inch				
Volume	CASING CEMENTED	SIZE	No. FT.	Date
Cu. Ft.				
Rock pressure	NAME OF SERVICE COMPANY			
lbs.				
hrs.				
Oil	COAL WAS ENCOUNTERED AT			
bbls., 1st 24 hrs.		FEEET	INCHES	
Fresh water		FEEET	INCHES	FEEET
feet		INCHES	FEEET	INCHES
feet		FEEET	INCHES	FEEET
Salt water		FEEET	INCHES	FEEET
feet		INCHES	FEEET	INCHES
feet		FEEET	INCHES	FEEET
feet		INCHES	FEEET	INCHES

Drillers' Names Ray Resources - Guide Contractor

Remarks: over access road. 5 of location this date
entersory, logging Co. Mayhem of Ripston WV. met
with Georgia Pacific's Rep. Joel Stephens of Logan. suggest
joint venture on access Road. (cost & maintenance)
7-2-85

DATE

William C. St. John 12/29/2023
DISTRICT WELL INSPECTOR

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

RECEIVED

JUL 9 - 1985

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Wyo-109-0981
Permit No. _____

New Construction

Oil or Gas Well Gas
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<i>Cobot Oil & Gas W.</i>	Size			
<i>Charleston, W.V.</i>	16			Kind of Packer _____
<i>Cokee</i>	13			
<i>#5</i>	10			Size of _____
<i>Oceana County Wyoming</i>	8 1/4			
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used _____			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names *Ray Resources - Grade Constructors*

Remarks: *our access road for location this date. Georgia Pacific had some road const Cobot will have to install more drains. etc*

7-5-85
DATE

Arthur H. [Signature]
DISTRICT WELL INSPECTOR

12/29/2023

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

RECEIVED
JUL 16 1985

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT OF MINES

Wyo. 109-0981
Permit No.

* K.B. Measurements
Coal & Water Csg.

Oil or Gas Well Gas
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Cabot Oil & Gas of W.V.</u>	Size			
<u>CHARleston, W.V.</u>	16	<u>30' - CTS</u>		Kind of Packer
<u>Cooke #5</u>	13	<u>11 3/4 366. CTS</u>		
<u>#5</u>	10			Size of
<u>Oceana County Wyo</u>	8 3/4	<u>8 5/8 - 16.88. CTS</u>		
<u>7-9-85</u>	6 3/4			Depth set
<u>1700</u>	5 3/16			
<u>1700</u>	3			Perf. top
	2			Perf. bottom
	Liners Used			Perf. top
				Perf. bottom

CASING CEMENTED 8 5/8 SIZE 1688 No. FT. 7-15-85 Date

NAME OF SERVICE COMPANY D.F.S.

COAL WAS ENCOUNTERED AT 63 FEET 12 INCHES

140' FEET 36 INCHES FEET INCHES

FEET INCHES FEET INCHES

Drillers' Names Century Dry Co. Rig #2

Remarks: used 450 Sog neat Cement, 3 3/4 CaCl₂ 2 Basket
4 Centerlines 1/4 # cell floes to Sog.
with 60 BBLs gell. PLUG @ 6:30 P.M. this date.
Reg down 8 hrs. W.O.C.
next csg of 4 1/2 @ 3270 tentative -
7-15-85. procedure good!

Anthony J. Clark (509)
DISTRICT WELL INSPECTOR

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

RECEIVED

JUL 11 1985

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Wyo-109-0981

Permit No. _____

Oil or Gas Well Gas
(KIND)

		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company	<u>Cabot Oil & Gas of W.V.</u>	Size			Kind of Packer
Address	<u>Charleston, W.V.</u>	16			
Farm	<u>Cooke</u>	13			
Well No.	<u>#5</u>	10			Size of
District	<u>Oceana</u> County <u>WYOMING</u>	8 1/4			
Drilling commenced	<u>Ret hole / mouse hole</u>	5 3/16			Depth set
Drilling completed	Total depth	3			Perf. top
Date shot	Depth of shot	2			Perf. bottom
Initial open flow	/10ths Water in Inch	Liners Used			Perf. top
Open flow after tubing	/10ths Merc. in Inch				Perf. bottom
Volume	Cu. Ft.	CASING CEMENTED	SIZE	No. FT.	Date
Rock pressure	lbs. hrs.	NAME OF SERVICE COMPANY			
Oil	bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT FEET INCHES			
Fresh water	feet feet	FEET	INCHES	FEET	INCHES
Salt water	feet feet	FEET	INCHES	FEET	INCHES

Drillers' Names Century Drilling Co. Rig #2

Remarks: Moving on this date. Logging Co. using same
Rood. all procedure good, pit area land Dry on
mouse hole this date.
Should break surface hole this P.M.

7-9-85
DATE

[Signature]
DISTRICT WELL INSPECTOR

12/20/2023

INSPECTOR'S PERMIT SUMMARY FORM

6-28-85

WELL TYPE Gas
ELEVATION 1738.6
DISTRICT OCEANA
QUADRANGLE OCEANA
COUNTY Wyoming

API# 47-109-0981
OPERATOR Cobot Oil & Gas
TELEPHONE _____
FARM Cooke
WELL # #5

SURFACE OWNER Ann & Joseph Cook COMMENTS _____ TELEPHONE _____
TARGET FORMATION B-Line 1 Well DATE APPLICATION RECEIVED _____

DATE STARTED _____
LOCATION 7-1 85 NOTIFIED 7-1-85 DRILLING COMMENCED 7-9-85

WATER DEPTHS 65, 143, _____, _____
COAL DEPTHS _____, _____, _____, _____

CASING
Ran 30' feet of 16" "pipe on 7-9-85 with 1054y fill up
Ran 366' feet of 14 3/4" "pipe on 7-30-85 with CXS fill up
Ran 1688' feet of 8 7/8" "pipe on 7-15-85 with CXS fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
TD 3350 feet on 7-18-86

ED
DEPT. OF ENERGY
OIL AND GAS

PLUGGING

JUN 11 1986

Type	From	To	Pipe Removed

Pit Discharge date: Don't know Type _____

Field analysis ph _____ fe _____ cl _____

Well Record received _____

Date Released 6-4-86

Arthur C. St. Clair 12/29/2023
Inspector's signature


API# 47-109-0981

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2	7-5-85		States Roads timber will not help	
3			maintain access Road!	
4				
5	7-15-85	Run	8 5/8 Csg.	
6				
7	7-18-85	Run	4 1/2 - Cemented 150' S.H.X	
8				
9	6-4-86		Released (final)	
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes

FERC-121

1.0 API well number: (If not available, leave blank. 14 digits.)	47-109 - 0981			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA		N/A Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	1738.6 feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Cabot Oil & Gas Corporation of W.Va. Name P. O. Box 628 Street Charleston WV 25322 City State Zip Code			000728 Seller Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Oceana Field Name Wyoming WV County State			
(b) For OCS wells:	N/A Area Name Block Number Date of Lease: Mo. Day Yr. OCS Lease Number			
(c) Name and identification number of this well: (35 letters and digits maximum.)	Cooke A-5			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	N/A			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Tennessee Gas Pipeline Co. Name			018629 Buyer Code
(b) Date of the contract:	1,0,0,2,8,0 Mo. Day Yr.			
(c) Estimated annual production:	36 MMcf.			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	---	---	---	---
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	---	---	---	---
9.0 Person responsible for this application:	H. Baird Whitehead Name Regional Manager Title Drilling & Production Signature  October 18, 1985 Date Application is Completed (304) 347-1600 Phone Number			
Agency Use Only				
Date Received by Juris. Agency	OCT 18 1985			
Date Received by FERC				

12/29/2023

Dep 52 015732

FORM IV-48WC
(02-84)

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

NOV 15 1985

Date: October 18, 19 85

8150

AGENCY USE ONLY

Applicant's Name: Cabot Oil & Gas Corporation of WV

Address: P. O. Box 628
Charleston, WV 25322

Gas Purchaser Contract No. GSC151

Date of Contract 10/2/80
(Month, day and year)

First Purchaser: Tennessee Gas Pipeline Co.

Address: P. O. Box 2511
(Street or P.O. Box)
Houston, TX 77001
(City) (State) (Zip Code)

FERC Seller Code 000728

WELL DETERMINATION FILE NUMBER
851018-1030-109-0981
Use Above File Number on all
Communications Relating to This Well

Designated Agent: H. Baird Whitehead

Address: P. O. Box 628
Charleston, WV 25322

FERC Buyer Code 018629

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: Ed Hindman Regulatory Assistant
(Print) (Title)

Signature: Ed Hindman

Address: P. O. Box 628
(Street or P.O. Box)
Charleston WV 25322
(City) (State) (Zip Code)

Telephone: 304 347-1600
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

Copy sent to Purchaser by Certified Mail P532 407 754 on October 18, 1985
NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
 - 102-2 2.5 Mile Test
 - 102-3 1000 Foot Deeper Test
 - 102-4 New Onshore Reservoir
- 103 New Onshore Production Well
 - 103 New Onshore Production Well
- 107 High Cost Natural Gas
 - 107-0 Deep (more than 15,000 feet)
 - 107-1 Geopressed Brine
 - 107-2 Coal Seams
 - 107-3 Devonian Shale
 - 107-5 Production enhancement
 - 107-6 New Tight Formation
 - 107-7 Recompletion Tight Formation

- 108 Stripper Well Natural Gas
 - 108- Stripper Well
 - 108-1 Seasonally Affected
 - 108-2 Enhanced Recovery
 - 108-3 Temporary Pressure Buildup

AGENCY USE ONLY

QUALIFIED
12/29/2023

RECEIVED
OCT 18 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

Date October 18, 1985

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

Operator's Well No. Cooke A-5

API Well No. 47 - 109 - 0981
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL

NGPA Section 103

DESIGNATED AGENT H. Baird Whitehead
ADDRESS P. O. Box 628
Charleston, WV 25322

WELL OPERATOR Cabot Oil & Gas Corp of WV
ADDRESS P. O. Box 628
Charleston, WV 25322

LOCATION: Elevation 1738.6'
Watershed Unnamed Tributary of Clear Fork
Dist. Oceana County Wyoming Quad. Matheny

GAS PURCHASER Tennessee Gas Pipeline Co.
ADDRESS P. O. Box 2511
Houston, TX 77001

Gas Purchase Contract No. GSC151
Meter Chart Code N/A
Date of Contract 10/2/80

* * * * *

Date surface drilling was begun: 7/10/85

Indicate the bottom hole pressure of the well and explain how this was calculated:

$$BHP = P_1 + P_1(eGL/53.34T_{-1})$$

$P_1 = 502$	PSIA	$BHP = 527$	PSIA
$T = 81$			
$G = .65$			
$L = 2136$			

AFFIDAVIT

I, H. Baird Whitehead, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

H. Baird Whitehead

STATE OF WEST VIRGINIA,
COUNTY OF Kanawha, TO WIT:

I, Lorene Miller, a Notary Public in and for the state and county aforesaid, do certify that H. Baird Whitehead whose name is signed to the writing above, bearing date the 18th day of October, 1985, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 18th day of October, 1985. My term of office expires on the 5th day of March, 1989.

[NOTARIAL SEAL]

Lorene Miller
Notary Public

12/29/2023

RECEIVED
OCT 18 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
6
Category Code

1.0 API well number: (If not available, leave blank. 14 digits.)	47-109 - 0981			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	Ravenc Cliff 107TS Big Lime Section of NGPA		6	
3.0 Depth of the deepest completion <i>est.</i> location: (Only needed if sections 103 or 107 in 2.0 above.)	1738.6 feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Cabot Oil & Gas Corporation of W.Va. Name P. O. Box 628 Street Charleston WV 25322 City State Zip Code		000728 Seller Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Oceana Field Name Wyoming WV County State			
(b) For OCS wells:	N/A Area Name Block Number Date of Lease: Mo. Day Yr. OCS Lease Number			
(c) Name and identification number of this well: (35 letters and digits maximum.)	Cooke A-5			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	N/A			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Tennessee Gas Pipeline Company Name		018629 Buyer Code	
(b) Date of the contract:	1, 0, 0, 2, 8, 0 Mo. Day Yr.			
(c) Estimated annual production:	36 MMcf.			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	---	---	---	---
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	---	---	---	---
9.0 Person responsible for this application:	Regional Manager Drilling & Production			
Agency Use Only	H. Baird Whitehead Name		Title	
Date Received by Juris. Agency OCT 18 1985	Signature <i>H. Baird Whitehead</i>			
Date Received by FERC	October 18, 1985 Date Application is Completed		(304) 347-1600 Phone Number	

12/29/2023

U.S. DEPARTMENT OF ENERGY
Federal Energy Regulatory Commission
Washington, D.C. 20426

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**
(Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

<u>Section of NGPA</u>	<u>Category Code</u>	<u>Description</u>
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102 ✓	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103	-	New onshore production well
107 ✓	-	High cost natural gas
108 ✓	-	Stripper well

Other Purchasers/Contracts:

<u>Contract Date</u> (Mo. Day Yr.)	<u>Purchaser</u>	<u>Buyer Code</u>
	N/A	
_____	_____	_____
_____	_____	_____
_____	_____	_____

Remarks:

[Handwritten signature]

OCT 8 1 1988

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

NOV 15 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: October 18, 1985

AGENCY USE ONLY

Applicant's Name: Cabot Oil & Gas Corporation of WV

WELL DETERMINATION FILE NUMBER

Address: P. O. Box 628
Charleston, WV 25322

851018 - 1076 - 109 - 0981

Use Above File Number on all
Communications Relating to This Well

Gas Purchaser Contract No. GSC151

Date of Contract 10/2/80
(Month, day and year)

First Purchaser: Tennessee Gas Pipeline Co.

Designated Agent: H. Baird Whitehead

Address: P. O. Box 2511
(Street or P.O. Box)
Houston, TX 77001
(City) (State) (Zip Code)

Address: P. O. Box 628
Charleston, WV 25322

FERC Seller Code 000728

FERC Buyer Code 018629

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: Ed Hindman (Print) Regulatory Assistant
(Title)

Signature: Ed Hindman

Address: P. O. Box 628
(Street or P.O. Box)
Charleston WV 25322
(City) (State) (Zip Code)

Telephone: (304) 347-1600
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

Copy sent to Purchaser by Certified Mail P532 407 754 on October 18, 1985
NGPA Category Applied For

NGPA SECTION/SUBSECTION

102 New Natural Gas

- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

108 Stripper Well Natural Gas

- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

103 New Onshore Production Well

- 103 New Onshore Production Well

107 High Cost Natural Gas

- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation Rvc1, Big Lime
- 107-7 Recompletion Tight Formation

AGENCY USE ONLY

Q

QUALIFIED

12/29/2023

RECEIVED
OCT 18 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

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

Date October 18, 1985

Operator's Well No. Cooke A-5

API Well No. 47 - 109 - 0981
State County Permit

WELL CLASSIFICATION FORM
HIGH COST GAS WELL-NEW TIGHT FORMATION
NGPA Section 107

DESIGNATED AGENT H. Baird Whitehead
ADDRESS P. O. Box 628
Charleston, WV 25322

WELL OPERATOR Cabot Oil and Gas Corp. of W.Va. LOCATION Elevation 1738.6'
ADDRESS P. O. Box 628 Watershed Unnamed Tributary of Clear Fork
Charleston, WV 25322 Dist Oceana County Wyoming Quad Matheny

GAS PURCHASER Tennessee Gas Pipeline Co. Gas Purchase Contract No. GSC151
ADDRESS P. O. Box 2511 Meter Chart Code N/A
Houston, TX 77001 Date of Contract 10/2/80

* * * * *

Date surface drilling began: 7/10/85

Indicate the bottom hole pressure of the well and explain how this was calculated.
BHP = $P_1 + P_1(eGL/53.34T_1)$ $P_1 = 502/618$ PSIA $BHP = 527/660$ PSIA
Rvc1/BL Rvc1/BL
T = 81/89
G = .65/.64
L = 2136/2908

AFFIDAVIT

I, Paul L. Gebhard, having been first sworn according to law, state that, surface drilling of the well for which this determination is sought was begun on or after July 16, 1979, the gas is being produced from a designated tight formation and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high cost natural gas well.

Paul L. Gebhard

STATE OF WEST VIRGINIA,
COUNTY OF Kanawha, TO WIT:

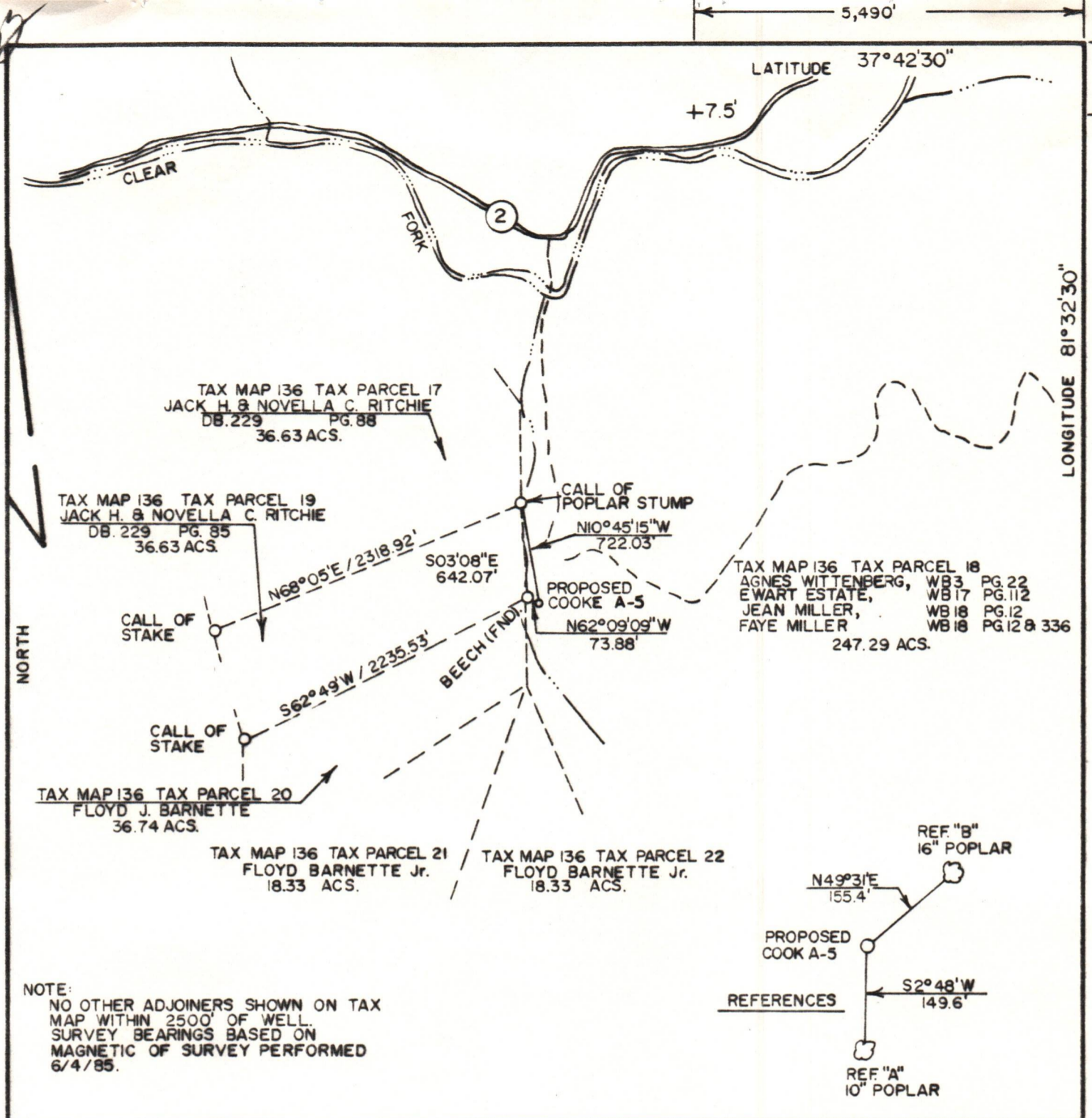
I, Lorene Miller, a Notary Public in and for the state and county aforesaid, do certify that Paul L. Gebhard, whose name is signed to the writing above, bearing date the 18th day of October, 1985, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 18th day of October, 1985.
My term of office expires on the 5th day of March, 1989.

[NOTARIAL SEAL]

Lorene Miller
Notary Public

12/29/2023



NOTE:
NO OTHER ADJOINERS SHOWN ON TAX
MAP WITHIN 2500' OF WELL.
SURVEY BEARINGS BASED ON
MAGNETIC OF SURVEY PERFORMED
6/4/85.

FILE NO. _____
DRAWING NO. _____
SCALE 1"=1000'
MINIMUM DEGREE OF
ACCURACY 1:2500
PROVEN SOURCE OF
ELEVATION BM No. 1451 NE
OF LOCATION.

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) Frederick A. Kell
R. P. E. 6999 L. L. S.

PLACE SEAL HERE

(+) DENOTES LOCATION OF
WELL ON UNITED STATES
TOPOGRAPHIC MAPS

FORM IV-6
(8-78)



Department of Mines
Oil & Gas Division

DATE June 4, 19 85
OPERATOR'S WELL NO. COOKEA-5
API WELL NO.
47-109-0981
STATE COUNTY PERMIT

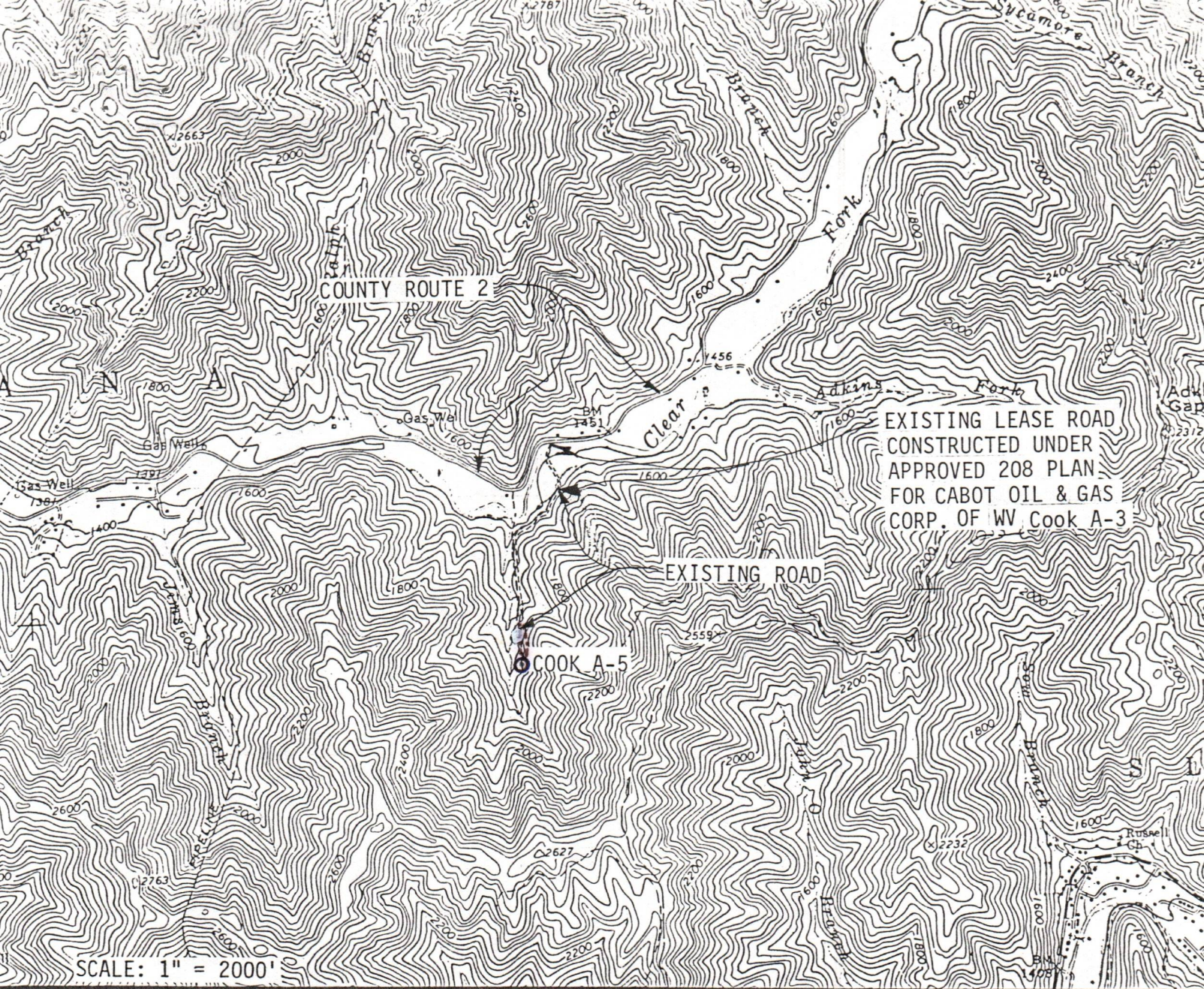
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X)
LOCATION: ELEVATION 1738.60 WATER SHED UNNAMED TRIBUTARY OF CLEAR FORK
DISTRICT OCEANA COUNTY WYOMING
QUADRANGLE MATHENY

SURFACE OWNER WITTENBERG ET AL. ACREAGE 247.29
OIL & GAS ROYALTY OWNER ANNE WITTENBERG COOKE ET AL. LEASE ACREAGE 247.29
LEASE NO. 47-6061

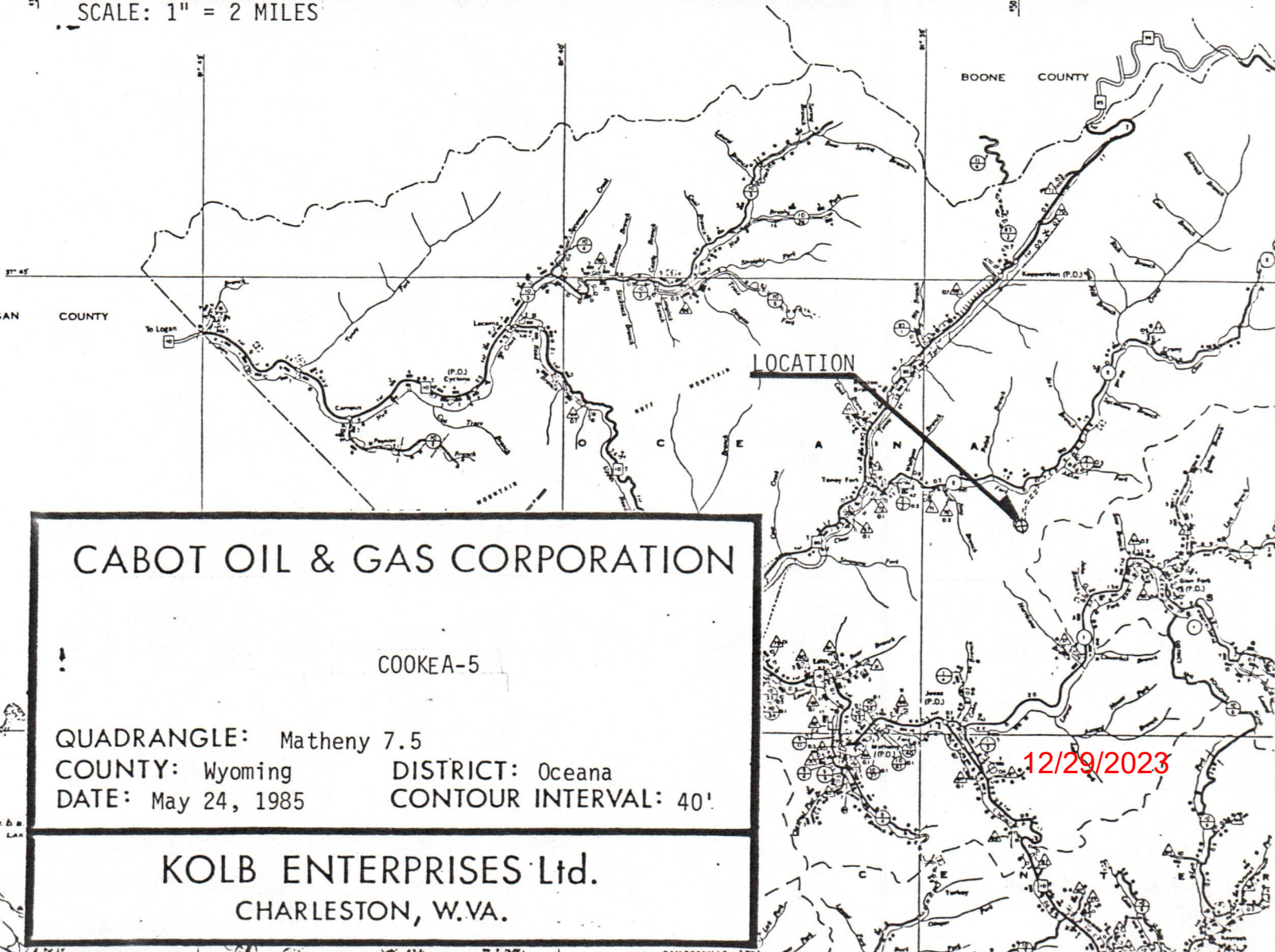
12/29/2023

PROPOSED WORK: DRILL X 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 WEIR ESTIMATED DEPTH 3320'
WELL OPERATOR Cabot Oil & Gas Corp. of W.Va. DESIGNATED AGENT David G. McCluskey
ADDRESS P.O. Box 628 ADDRESS P.O. Box 628
Charleston, W.V. 25322 Charleston, W.V. 25322



SCALE: 1" = 2 MILES



CABOT OIL & GAS CORPORATION

COOKEA-5

QUADRANGLE: Matheny 7.5

COUNTY: Wyoming

DATE: May 24, 1985

DISTRICT: Oceana

CONTOUR INTERVAL: 40'

KOLB ENTERPRISES Ltd.
CHARLESTON, W.VA.

12/29/2023

