



1) Date: June 5, 19 84
 2) Operator's Well No. Amherst Coal #2
 3) API Well No. 47 - 079 - 0221-PP-F1
 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 / B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: Approx. 700' Watershed: Heizer Creek (KPI)
 District: Pocatalico 3 County: Putnam Quadrangle: Bancroft 7 1/2 229
- 6) WELL OPERATOR Cabot Oil & Gas Corp. of WV 7) DESIGNATED AGENT Robert E. Horrell
 Address P.O. Box 628 8150 Address P.O. Box 628
Charleston, WV 25322 Charleston, WV 25322
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Jerry Holcomb 9) DRILLING CONTRACTOR: Name UNKNOWN
 Address Rural Rt. #1 - Box 28 Address _____
Hamlin, WV 25523 824-3337
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) Plug back Oriskany
- 11) GEOLOGICAL TARGET FORMATION, Huron Shale
- 12) Estimated depth of completed well, 4300' feet
- 13) Approximate trata depths: Fresh, 70, 665, 1435 feet; salt, _____ feet.
- 14) Approximate coal seam depths: N/R Is coal being mined in the area? Yes No
- 15) CASING AND TUBING PROGRAM WORKOVER

RECEIVED
 JUN 8 - 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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	13"		48				196'	Kinds
Fresh water	10"		35.75				560'	ON SHOE
Coal	8-5/8"		25.55				1637'	ON PACKER Sizes
Intermediate	7"		26				2005'	ON PACKER
Production	5"		15.5				4730'	ON PACKER Depths set
Tubing								
Liners	1-1/2"		2.75				4200'	Perforations: Top Bottom

1. Spot cement plug 4804-4760'. 3. Set Permanent Bridge Plug @ 4300'.
 2. Gel hole 4760-4300'. 4. Squeeze cement 5' csg. 4250-3400'.

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-079-0221-PP-FRAC Date July 5, 1984

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.)

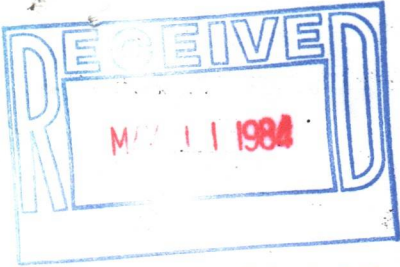
The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires July 5, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>Blanket</u>	Agent: <u>MJ</u>	Plat: <u>MJ</u>	Casing: <u>MJ</u>	Fee: <u>013 087</u>
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Margaret J. Hasse
 Administrator, Office of Oil and Gas

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



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 Diamond Shamrock Coal Co.

DESIGNATED AGENT Robert Horrell
ADDRESS P.O. Box 628 Chas. WV 25322
TELEPHONE 304-347-1600
SOIL CONS. DISTRICT Western

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

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

5-10-84
(Date)

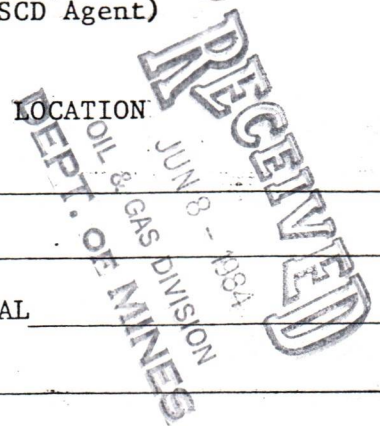
Clay Edwards
(SCD Agent)

ACCESS ROAD

LOCATION

STRUCTURE Ditch Relief Cross Drain (A)
SPACING Per Plan
PAGE REF. MANUAL 2-1, 2-2, 2-3, 2-4
STRUCTURE Culverts (B)
SPACING Per Plan
PAGE REF. MANUAL 2:7, 2:8, 2:9
STRUCTURE _____ (C)
SPACING _____
PAGE REF. MANUAL _____

STRUCTURE _____ (1)
MATERIAL _____
PAGE REF. MANUAL _____
STRUCTURE _____ (2)
MATERIAL _____
PAGE REF. MANUAL _____
STRUCTURE Sediment Barrier (3)
MATERIAL Straw Bales
PAGE REF. MANUAL 2:16, 2:18



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.

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

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

PLAN PREPARED BY Robert E. [Signature] **09/29/2023**

Cabot Oil and Gas Corporation

ADDRESS P.O. Box 628


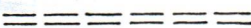
Charleston, WV 25322

PHONE NO. (304) 347-1600

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

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

LEGEND

WELL SITE 
ACCESS ROAD 








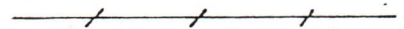










1889

PHOTOCOPY 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	

SKETCH ATTACHED

COMMENTS: The existing road to site to be graded, ditches pulled and drains installed where required by field conditions.

This is an existing location. The proposed work is a reconditioning of the well.

09/29/2023

CABOT OIL & GAS CORPORATION

CHARLESTON, W. VA.

AMHERST COAL NO. 2

QUADRANGLE

Bancroft

COUNTY: Putnam

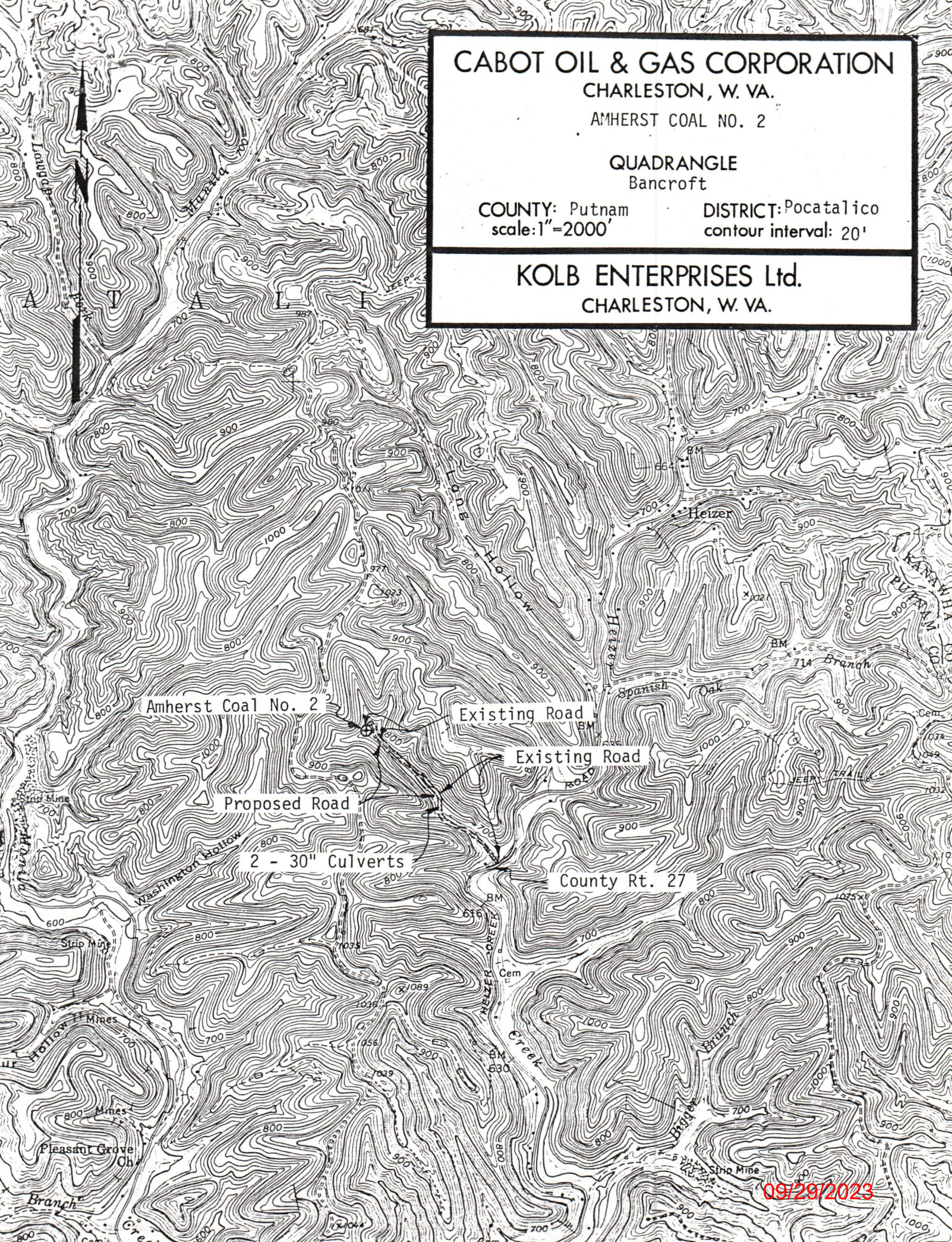
DISTRICT: Pocatalico

scale: 1" = 2000'

contour interval: 20'

KOLB ENTERPRISES Ltd.

CHARLESTON, W. VA.





Winfield

GODFREY L. CABOT, INC. WELL RECORD

Oct. 22-52

Map Sheet Lot No. Warrant No.

SERIAL NO. 1060 OPERATING DISTRICT No. 2 LEASE NO. Putnam County Putnam Tax District Postalico STATE W. Va. DRILLING COMMENCED 5/1/52 DRILLING COMPLETED 7/11/52

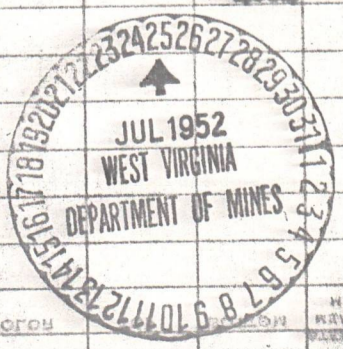
CONTRACTOR Company tools ROCK PRESSURE RECORD ORISKANY Sand 1150 lbs. in 6 1/2 hrs. ORISKANY Sand, from 4783 to 4804 Init. Prod. 3,738 M. C. F. Gas

OPEN FLOW Time, Condition: 15 min. after shot 10 10ths Mercury in 3-1/2 inch opening Volume 3,129 M. C. F. 24 HOUR PRODUCTION TEST AFTER TUBING M. C. F. Line Pressure Bbls. Oil in 24 Hours

TUBED AND SHUT IN Date Packer, Size Kind Set, Depth Size Anchor

SHOOTING RECORD Perf. Top Bottom Shot with 40 qts. from 4783 to 4804 Date 7-15-52 Gauge Before 1,633 Ref Gauge 15 Min. After Shot 3,129 M

Table with columns: FORMATION, COLOR, TOP, BOTTOM, STEEL LINE MEASUREMENTS, HARD OR SOFT, OIL, GAS OR WATER, DEPTH FOUND, REMARKS. Rows include geological layers like Big Lime, Sand, Slate & Shell, etc., with depth measurements and remarks like 'Water 1881 Hole full'.



09/29/2023



OFFICE USE ONLY

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

1) WELL LOCATION: B (II) Gas, Production, Underground storage, Shallow, Deep, Waterbed, Elevation: APPROX. 700', Haines Creek, Quincannon, Putnam, Cabot Oil & Gas Corp., of WV, P.O. Box 628, Charleston, WV 25322.

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

3) DESIGNATED AGENT: Robert F. Horrell, P.O. Box 628, Charleston, WV 25322.

4) DRILLING CONTRACTOR: UNKNOWN, UNKNOWN, UNKNOWN.

5) PROPOSED WELL WORK: Drill deeper, Plug old formation, Potable new formation, Other physical change in well (specify): Plug back oriskany.

6) GEOLOGICAL TARGET FORMATION: Oriskany Shale.

7) ESTIMATED DEPTH OF COMPLETED WELL: 700'.

8) APPROXIMATE TENSILE DEPTHS: Fresh test: 700', Salt test: 1435'.

9) APPROXIMATE COAL SEAM DEPTHS: WV.

10) CASING AND TUBING PROGRAM WORKOVER.

Casing or Tubing Type	Size	Grade	Weight		Type	Footage Interval	Cement Fill (Cubic Feet)	Factors
			Per Ft.	Total				
Conductor	13"		28	190'	For drilling			
Flush water	7 1/2"		35.75	500'				
Case	6-5/8"		25.55	1587'				
Intermediate	7"		25	2005'				
Production	5"		15.5	4730'				

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: _____

1) Date: June 5, 19 84
2) Operator's
Well No. Amherst Coal #2
3) API Well No. 47 - 079 - 0221-PP
State County Permit
Proc

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

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

- (i) Name Diamond Shamrock Coal Co.
Address Attn: Land Management Administrator
1200 First Security Plaza
Lexington, Kentucky 40507
- (ii) Name Benjamin P. Grosscup, Jr.
Address 37 Woodland Avenue
Greensburg, Pennsylvania 25601
- (iii) Name _____
Address _____

5(i) COAL OPERATOR NOT OPERATED
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Diamond Shamrock Coal Co.
Address Attn: Land Management Admin.
1200 First Security Plaza
Lexington, Kentucky 40507
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

Robert E. Horrell
this 5 day of June, 19 84.
My commission expires Sept. 8, 1988.

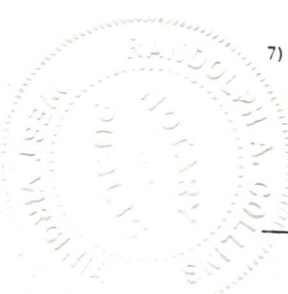
Rudolph G. Collins
Notary Public, Kanawha County,
State of West Virginia

WELL

OPERATOR CABOT OIL & GAS CORPORATION OF WV

By Robert E. Horrell
Its District Production Superintendent
Address P.O. Box 628
Charleston, WV 25322
Telephone 347-1600

09/29/2023



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 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--

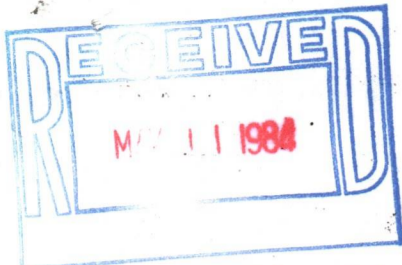
- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) 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</u>	<u>Page</u>
Hatfield Reliance Coal Co.	Godfrey L. Cabot, Inc.	12.5%	32	224
Hatfield Campbell Cr. Coal Co.				

CURRENT ROYALTY OWNER

Amherst Coal Company
1200 First Security Plaza
Lexington, KY 40507

09/29/2023



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 Diamond Shamrock Coal Co.

DESIGNATED AGENT Robert Horrell
ADDRESS P.O. Box 628 Chas. WV 25322
TELEPHONE 304-347-1600
SOIL CONS. DISTRICT Western

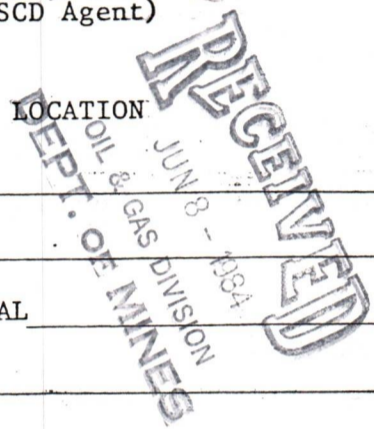
Revegetation to be carried out by _____ Company Contractor _____ (Agent)

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

5-10-84 (Date)

Clay Edwards
(SCD Agent)

ACCESS ROAD



STRUCTURE Ditch Relief Cross Drain (A)
SPACING Per Plan
PAGE REF. MANUAL 2-1, 2-2, 2-3, 2-4
STRUCTURE Culverts (B)
SPACING Per Plan
PAGE REF. MANUAL 2:7, 2:8, 2:9
STRUCTURE _____ (C)
SPACING _____
PAGE REF. MANUAL _____

STRUCTURE _____ (1)
MATERIAL _____
PAGE REF. MANUAL _____
STRUCTURE _____ (2)
MATERIAL _____
PAGE REF. MANUAL _____
STRUCTURE Sediment Barrier (3)
MATERIAL Straw Bales
PAGE REF. MANUAL 2:16, 2:18

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

TREATMENT AREA II

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

Lime _____ Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch Hay or Straw @ 1 1/2 Tons/acre
Seed* Ky 31 Tall Fescue 40 lbs/acre
Redtop 5 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 Robert E. Horrell 09/29/2023
Cabot Oil and Gas Corporation
ADDRESS P.O. Box 628
Charleston, WV 25322
PHONE NO. (304) 347-1600

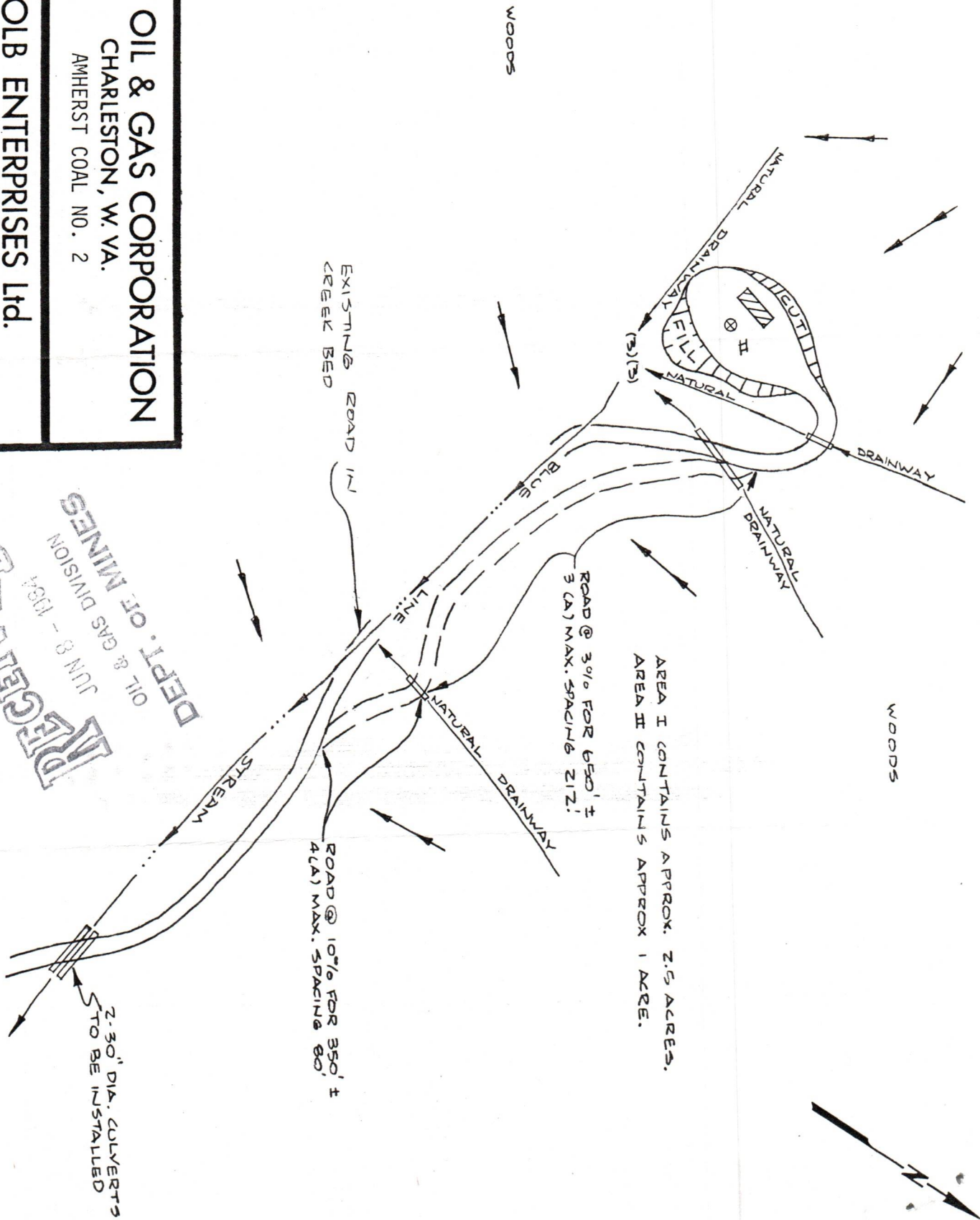


09/29/2023

CABOT OIL & GAS CORPORATION
 CHARLESTON, W. VA.
 AMHERST COAL NO. 2

KOLB ENTERPRISES Ltd.
 CHARLESTON, W. VA.

REGRETTED
 OIL & GAS DIVISION
 JUN 8 - 1984



09/29/2023

09/29/2023

LOCATION REPORT

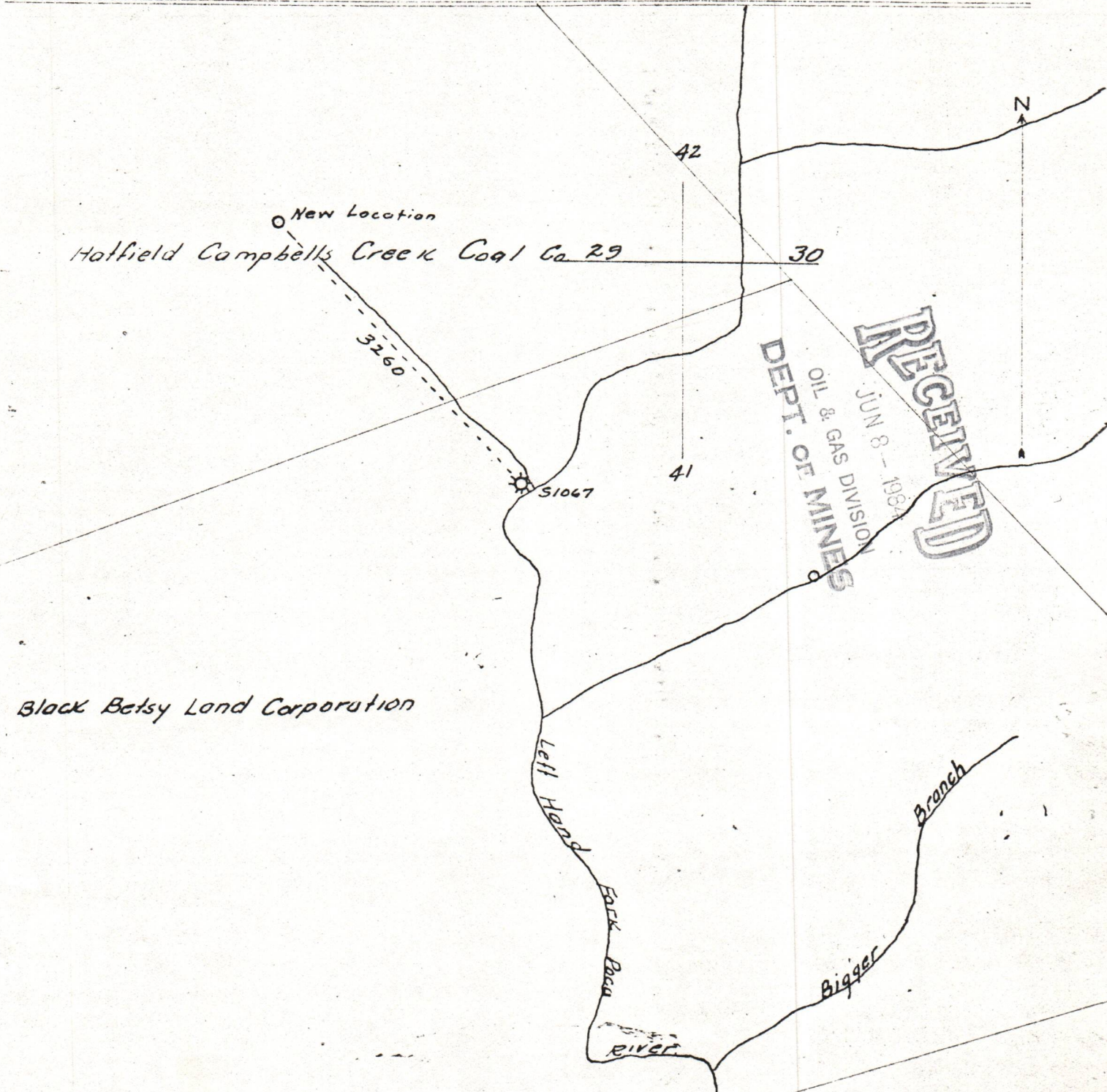
OPERATOR *Godfrey L Cabot Inc*
Hotfield Campbells Creek Coal Co.

Serial No. *S1060* Farm ~~*Black Betsy Land*~~ Well No. *2*

Lot No.:
Map. Sq.: *42-29* State *WVa.* County *Putnam* District *Pocotalico*

Warrant No.:
Name of Stream or Waters: *Lefthand Fork of Poca River*

ELEVATION _____ Scale *1" = 1320'* Date *11-1-42*



Engineer *Roy Booten* Reg. No. _____

Approved _____

09/29/2023

Daming

7. when drilled to the depth required, the well shall be thoroughly bailed and sand pumped, until all

GODFREY L. CABOT, INC.

WELL RECORD

572

1060

1060

OPERATING DISTRICT PN

Map Square 42-29
Lot No.
Warrant No.

Hatfield Campbells Crk. Coal Co. #2

NO. 2

LEASE NO.

COUNTY Putnam

TAX DISTRICT Pocatalico
TOWNSHIP

STATE W. Va.

DRILLING COMMENCED January 30, 1943

DRILLING COMPLETED March 30, 1943

CONTRACTOR C.L. Samples

ADDRESS 725 West Washington St., Charleston, W. Va.

ROCK PRESSURE RECORD

PRODUCING SAND RECORD

Best gauge natural

Big Lime Sand 618 lbs., in 42 hrs.
Sand lbs., in hrs.
Sand lbs., in hrs.

Big Lime Sand, from 1823 to 1826 Init. Prod. 735 M. C. F. Gas
Sand, from to Init. Prod. M. C. F. Gas
Sand, from to Init. Prod. M. C. F. Gas

OPEN FLOW
Time, Condition:

CASING RECORD

10ths	Water Mercury in	inch opening	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	HOW CASING SET
Volume	M. C. F.		13-3/8"	48	196	196	
24 HOUR PRODUCTION TEST AFTER TUBING			10-3/4"	35.75	560	560	1/2 coupling shoe.
M. C. F.	Line Pressure		8-5/8"	25.55	1637	1637	8-5/8"x16" B.H.Packer; 21 sacks aquagel. (3 5/8" x 10 3/4" x 16")
Bbls. Oil	in 24 Hours		3-1/2"	7.7#	1840	1840	Bottom joint welded.

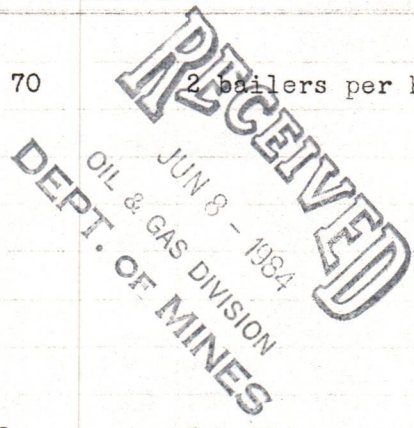
TUBED AND SHUT IN Date 3-26-43
Packer, Size 8 1/4 x 3 Kind Hook Wall
Set, Depth 1731 Size Anchor 3 1/2" OD x 107
Perf. Top 1824 Bottom 1832
Perf. Top 1836 Bottom 1840

ACIDIZING SHOOTING RECORD
Acidized Shot with 1000 gals from 1823 to 1826 Date 3-29-43
Gauge Before Shot 722 M Acid. Shot 45 Min. After Shot 1,107 M

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASUREMENTS	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	DISTANCE ABOVE OR BELOW S. L.	REMARKS
Red Rock		0	14						
Sand		14	80			Water	70		2 bailers per hour.
Slate		80	180						
Coal		180	188						
Slate		188	212						
Lime		212	225						
Slate		225	255						
Sand		255	265						
Slate		265	286						
Red Rock		286	440						
White Slate		440	490						
Red Rock		490	560						
Sand		560	703			Water	665		5 bailers per hour.
White Slate		703	724						
Sand		724	738						
Slate & Shells		738	840						
Sand		840	940						
Slate		940	975						
Sand		975	1000						
Slate & Shells		1000	1258						
Sand		1258	1278			Water	1435		Hole full
Slate & Shells		1278	1350						
Sand		1350	1618						
Slate		1618	1623						
Lime and Slate		1623	1702	1630					
Big Lime		1702	1840			Gas	1824-26		735 M.

Total Depth 1840

09/29/2023



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APR 17 1985



IV-35
(Rev 8-61)

OIL & GAS DIVISION
DEPT. OF MINES
State of West Virginia

Department of Mines
Oil and Gas Division

Date April 11, 1985

Operator's

Well No. #2

Farm Amherst Coal

API No. 47 - 079 - 0021 PP-F

0221-PP-F

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: Approx. 700' Watershed Heizer Creek (KPI)

District: Pocatalico County Putnam Quadrangle Bancroft 7 1/2

COMPANY Cabot Oil & Gas Corporation

ADDRESS P.O. Box 628, Chas., W.V. 25322

DESIGNATED AGENT Robert E. Horrell

ADDRESS P.O. Box 628, Chas., W.V. 25322

SURFACE OWNER Diamond Shamrock Coal Co. 40507

Attn: Land Mang. Adm., 1200 1st Sec. Plaza, Lex., Ky.

ADDRESS ALSO: Benjamin P. Grosscup, Jr. 37

Woodland Ave., Greensburg, Pa. 25601

MINERAL RIGHTS OWNER Amherst Coal Co.

ADDRESS 1200 1st Sec. Plaza, Lex., Ky. 40507

OIL AND GAS INSPECTOR FOR THIS WORK Jerry

Holcomb ADDRESS Rural Rt. #1, Box 28

PERMIT ISSUED June 5, 1984 Hamlin, W.V. 25523

WORKOVER COMMENCED February 19, 1985

WORKOVER COMPLETED March 4, 1985

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8			
7			
5 1/2		Squeeze cemented from 4132'-3877'	
4 1/2			
3			
2 1/2		4050.04' w/seating nipple	
Liners used			@ 4015'

GEOLOGICAL TARGET FORMATION Huron Shale Depth 3872-4054 feet

Depth of completed well PBTD=4100 feet Rotary ___ / Cable Tools ___

Water strata depth: Fresh ___ feet; Salt ___ feet

Coal seam depths: ___ Is coal being mined in the area? ___

OPEN FLOW DATA

Producing formation Huron Shale Pay zone depth 3920-4097 feet

Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d

Final open flow 411 Mcf/d Final open flow ___ Bbl/d

Time of open flow between initial and final tests ___ hours

Static rock pressure 740 psig (surface measurement) after 72 hours shut in

(If applicable due to multiple completion--)

Second producing formation ___ Pay zone depth ___ feet

Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d

Final open flow ___ Mcf/d Oil: Final open flow ___ Bbl/d

Time of open flow between initial and final tests ___ hours

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

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

2/19/85 - MIRU Pool derrick rig. R/U McCullough, set Baker P-1 permanent plug w/2 sks Cal-Seal at 4310' to plug black Oriskany. Perf 5½" @ 4130'-32'. McCullough set EZSV cmt retainer @ 4110'. Squeezed shale w/80 sks 50/50 pox, mix 10% salt, 1% CFR-2/
 Ran G/R & CBL. TOC 3877' Perf shale 3920-4097' (18 holes).
 Ran 123 jts. 2 7/8" EUE tbg. w/5½" HOWCO RITS packer. R/U Howco N₂ & pressured up annulus to 800 psi, dumped 500 gals 15% HCL, & brokedown Shaleperfs w/N₂ @ 3200 psi. Treated w/900,000 SCF N₂ @ 25,000 SCF/min. ISIP 1300 psi. Pumped 100 bbls. foam pad, 300 sks 20/40 sand @ 2#/gal in 75 Q foam. Total fluid 165 bbls. S/L 129 bbls. ATP 2908 psi, air 20 BPM foam. ISIP 800 psi, 15 min/590 psi. Opened thru 1/8". Pull 2 7/8" EUE tbg w/RITS packer. Ran 121 jts. 1½" with perf jt. to 4050.04'. Seating nipple @ 4015'. SITP 740 psi. SICP 740 psi. 4 hr O/F 96/10 H₂O thru 2", 411 Mcf/d.
 Perf Shale @ 3920', 30, 37, 40, 47, 57, 66, 75, 81, 88. @ 4000, 20, 25, 34, 40, 48, 67 & 97.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Plugged back Oriskany			PBTD	4100'	
See attached original well record.					

(Attach separate sheets as necessary)

Cabot Oil & Gas of West Virginia
Well Operator

09/29/2023

By: Robert E Howell

Date: _____

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."

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WELL RECORD DEEPENING

OIL & GAS DIVISION

DEPT. OF MINES

SERIAL NO. **1060** OPERATING DISTRICT **PN** Map Square Lot No. Warrant No. **42-49**
 FARM **Hatfield Campbells Creek Coal Co.** NO. **2** LEASE NO.
 COUNTY **Putnam** TAX DISTRICT **Pocatalico** STATE **W. Va.**
 COMMENCED **5/1/52** DRILLING COMPLETED **7/14/52**
 CONTRACTOR **Company tools** ADDRESS

ROCK PRESSURE RECORD				PRODUCING SAND RECORD			
Oriskany	Sand	1150	lbs., in 64 hrs.	Oriskany	Sand, from 4783	to 4804	Init. Prod. 1,738 M. C. F. C
	Sand		lbs., in hrs.		Sand, from	to	Init. Prod. M. C. F. C
	Sand		lbs., in hrs.		Sand, from	to	Init. Prod. M. C. F. C

OPEN FLOW				CASING RECORD				
Time, Condition: 45 min. after shot				SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	HOW CASING SET
0	Mercury	in 3-1/2	inch opening	7"	26#	2005	2005	Rubber Packer
Volume	3,129 M. C. F.			5"	17#	695	695	
24 HOUR PRODUCTION TEST AFTER TUBING				5"	15.5#	4035	4035	Lead Packer
M. C. F.	Line Pressure							
Bbls. Oil	in 24 Hours							

USED AND SHUT IN Date
 packer, Size Kind
 st, Depth Size Anchor
 erf. Top Bottom
 erf. Top Bottom
 ELEVATION: **752** Shot with **40** qts. from **4783** to **4804** Date **7-15-52**
 Gauge Before **1,653** Mof Gauge **45** Min. After **3,129**

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASUREMENTS	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	REMARKS
OLD TOTAL DEPTH				1840				
Big Lime		1702	1881			Water	1881	Hole full.
Sand		1881	1920					
Slate & Shell		1920	2000					
Shell		2000	2055					
Slate & Shell		2055	2323					
Brown Shale		2323	2353					
Berea		2353	2365					
Slate & Shell		2365	3300			Oil	3140	Show.
Sand		3300	3330			Gas & Oil;	3320	Show.
Slate & Shell		3330	3570					
Brown Shale		3570	3600					
Lime		3600	3725					
Slate & Shell		3725	3905					
Slate		3905	3940			Gas	3905	Show.
Brown Shale		3940	4060					
Slate		4060	4195					
Brown Shale		4195	4215			Gas	4195	No test reported.
Slate		4215	4450					
Brown Shale		4450	4689					
Corniferous		4689	4783	4709				
Oriskany Sand		4783				Gas	4784-4796;	1,738 Mof.
Total Depth								

09/29/2023

GODFREY L. CABOT, INC.

WELL RECORD

RECEIVED

APR 17 1985

OIL & GAS DIVISION

DEPT. OF MINES

SERIAL NO. 1060

OPERATING DISTRICT **PK**

Map Square **42-23**
Lot No.
Warrant No.

FARM **Hatfield Campbells Crk. Coal Co. #2**

NO. **2**

LEASE NO.

COUNTY **Putnam**

TAX DISTRICT **Pocotalico**
TOWNSHIP

STATE **W. Va.**

DRILLING COMMENCED **January 30, 1943**

DRILLING COMPLETED **March 30, 1943**

CONTRACTOR **C.L. Emplex**

ADDRESS **725 West Washington St., Charleston, W. Va.**

ROCK PRESSURE RECORD

PRODUCING SAND RECORD

Big Line Sand **615** lbs., in **42** hrs.
Sand lbs., in hrs.
Sand lbs., in hrs.

Big Line Sand, from **1823** to **1826** Init. Prod. **735** M. C. F.
Sand, from to Init. Prod. M. C. F.
Sand, from to Init. Prod. M. C. F.

OPEN FLOW
Time, Condition:

Water
10ths Mercury in inch opening
Volume M. C. F.

24 HOUR PRODUCTION TEST
AFTER TUBING

M. C. F. Line Pressure
Bbls. Oil in 24 Hours

Open
TUBED AND SHUT IN

Date **3-26-43**

Packer, Size **3 1/2 x 3**

Kind **Hook Ball**

Set, Depth **1731**

Size Anchor **3 1/2" OD x 107**

Perf. Top **1824**

Bottom **1832**

Perf. Top **1836**

Bottom **1840**

ELEVATION: **752**

SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	HOW CASING SET
1 1/2-3/4"	48	198	198	
10-3/4"	35,75	560	560	1/2 coupling shoe.
6-5/8"	28,85	1637	1637	6-5/8" x 16" Ball Packer; 21 sacks aquagel.
3-1/2"	7,75	1840	1840	Bottom joint welded.

SHOOTING RECORD

Acidized Shot with **1000 gals** from **1823** to **1826** Date **3-29-43**
Gauge Before **722 H** Min. Hrs. After **1,107**

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASUREMENTS	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	DISTANCE ABOVE OR BELOW S. L.	REMARKS
Red Rock		0	14						
Sand		14	80			Water	70		2 bailers per hour.
Slate		80	180						
Coal		180	188						
Slate		188	212						
Lime		212	225						
Slate		225	255						
Sand		255	265						
Slate		265	256						
Red Rock		266	440						
White Slate		440	490						
Red Rock		490	560						
Sand		560	703			Water	665		5 bailers per hour.
White Slate		703	724						
Sand		724	738						
Slate & Shells		738	840						
Sand		840	940						
Slate		940	978						
Sand		978	1000						
Slate & Shells		1000	1258						
Sand		1258	1278			Water	1435		Hole full
Slate & Shells		1278	1350						
Sand		1350	1618						
Slate		1618	1623						
Lime and Slate		1623	1702	1630					
Big Line		1702	1840			Gas	1824-26		735 M.
Total Depth			1840						

09/29/2023

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

RECEIVED
JAN 23 1985

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 079-0921-PP-Frac

Oil or Gas Well _____
(KIND)

Company <u>Cabot Gas Co.</u> Address _____ Farm <u>Diamond Shamrock Coal Co</u> Well No. <u>Amherst Coal #9</u> District <u>Pocatalico</u> County <u>Putnam</u> Drilling commenced _____ Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Rock pressure _____ lbs. _____ hrs. Oil _____ bbls., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer _____
	16			
	13			Size of _____
	10			
	8 1/4			Depth set _____
	6 5/8			
	5 3/16			Perf. top _____
	3			Perf. bottom _____
	2			Perf. top _____
Liners Used			Perf. bottom _____	

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks:

This well is ready for Release.

1-17-85
DATE

Carlos W. Hines
DISTRICT WELL INSPECTOR

00129/2023

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JAN 21 1982
DIVISION OF OIL & GAS
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

_____ 09/29/2023
DISTRICT WELL INSPECTOR

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

RECEIVED
FEB 27 1985
OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 079-0221-PP-F19C

Oil or Gas Well _____
(KIND)

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

Drillers' Names Poole Well Service

Remarks:
Spot Bottom hole plug at 4300' on 2-20-85.
Today doing squeeze job on 5" casing in the shale.
Used 80 SKS. neat.

2-21-85
DATE

Carlos W. Hinkle
DISTRICT WELL INSPECTOR

09/29/2023

2/16/82

RECEIVED
FEB 17 1982
OIL & GAS DIVISION
DEPT. OF MINES

**STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT**

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.

DATE

_____ **09/29/2023**
DISTRICT WELL INSPECTOR

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

RECEIVED
MAR 5 - 1985

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 079-0221PP-Frac

Oil or Gas Well _____
(KIND)

Company <u>Cabat Oil & Gas</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer
Address _____	16			
Farm <u>Diamond Shamrock Coal Co.</u>	13			
Well No. <u>Amber + Coal #2</u>	10			Size of _____
District <u>Pocahontas</u> County <u>Putnam</u>	8 1/4			
Drilling commenced _____	6 3/8			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			
	_____ FEET _____ INCHES FEET _____ INCHES			

Drillers' Names Paole Well Service

Remarks: doing well Frac. Halliburton doing Frac.

2-25-85
DATE

Carlos W. High
09/29/2023
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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MAR 2 - 1982
OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST	

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

_____ 09/29/2023
DISTRICT WELL INSPECTOR

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

RECEIVED

MAR 20 1985

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 079-0331-PP-Frac

Oil or Gas Well _____
(KIND)

Company Cabot Oil & Gas

Address _____

Farm Diamond Shamrock Coal

Well No. Amherst Coal #2

District Pocahontas County Potnam

Drilling commenced _____

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			Kind of Packer _____
16			
13			Size of _____
10			
8 1/4			Depth set _____
6 3/8			
5 3/16			Perf. top _____
3			Perf. bottom _____
2			Perf. top _____
Liners Used			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Pooler Well Service

Remarks: Service Rig moved off location.

3-14-85
DATE

Carlos W. Hines
09/20/2023
DISTRICT WELL INSPECTOR

Form 26
2/16/82

RECEIVED
MAR 2 9 1982
OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED							CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD			CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE

_____ 09/29/2023
DISTRICT WELL INSPECTOR

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

INSPECTOR'S WELL REPORT

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MAY 16 1985

Permit No. 079-0321-PP-Frac

Oil or Gas Well
OIL & GAS DIVISION

DEPT. OF MINES

Company Cabot Oil & Gas

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer
13			
10			Size of
8 1/4			
6 1/2			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Address _____

Farm Diamond Shamrock Coal

Well No. Amberst Coal #2

District Pocotalica County Putnam
~~Handcock~~

Drilling commenced _____

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

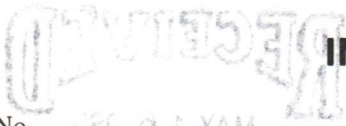
Remarks: Well hooked up & working on Reclamation.

5-7-85
DATE

Carlos W. Hinchey
DISTRICT WELL INSPECTOR

09/29/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT



Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR 09/29/2023

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

RECEIVED
MAR 5 - 1985

INSPECTOR'S WELL REPORT
OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 079-0921-PP FRC

Oil or Gas Well _____
(KIND)

Company <u>Cabat Gas Co.</u> Address _____ Farm <u>Diamond Sham Rock Coal Co.</u> Well No. <u>Amherst Coal #2</u> District <u>Pocotalico</u> County <u>Kanawha</u> Drilling commenced _____ Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Rock pressure _____ lbs. _____ hrs. Oil _____ bbls., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			
	16			Kind of Packer _____
	13			
	10			Size of _____
	8 1/4			
	6 3/8			Depth set _____
	5 3/16			
	3			Perf. top _____
	2			Perf. bottom _____
Liners Used			Perf. top _____ Perf. bottom _____	

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Pooler well service

Remarks: sand pumping well.

2-28-85
DATE

Charles H. Hight
DISTRICT WELL INSPECTOR

09/29/2023

RECEIVED
 MAR 21 1982
 OIL & GAS DIVISION
 DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.

DATE

 DISTRICT WELL INSPECTOR 09/29/2023

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

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SEP 10 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

INSPECTOR'S WELL REPORT

Permit No. 079-0221-PP-Frac

Oil or Gas Well _____
(KIND)

Company <u>Cabot Oil + Gas</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			Kind of Packer _____
Farm <u>Diamond Shamrock Coal</u>	16			
Well No. <u>Amherst Coal #2</u>	13			Size of _____
District <u>Pocatalico</u> County <u>Putnam</u>	10			
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 3/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used _____			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 _____

Remarks:

Working on access road.

09/29/2023

9-5-85

Carlos W. Hines

IR-26

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

DEPARTMENT OF ENERGY
DIVISION OF OIL & GAS

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location	Amount	Packer	Location		
				PLUGS USED AND DEPTH PLACED	BRIDGES	CASING AND TUBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

09/29/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OFFICE OF OIL AND GAS
CHARLESTON 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

Company: CABOT O & G CORP
Farm: DIAMOND SHANROCK COAL Well: AMHERST #2

Permit No. 47- 79-0221-*FRAC* (7-05-84)
County: PUTNAM

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	-----	-----
25.04	Prepared before drilling to prevent waste	-----	-----
25.03	High pressure drilling	-----	-----
16.01	Required permits at wellsite	-----	-----
15.03	Adequate Fresh Water Casings	-----	-----
15.02	Adequate Coal Casings	-----	-----
15.01	Adequate Production Casings	-----	-----
15.04	Adequate Cement Strength	-----	-----
15.05	Cement Type	-----	-----
23.02	Maintained Access Roads	-----	-----
25.01	Necessary Equipment to Prevent Waste	-----	-----
23.04	Reclaimed Drilling Pits	-----	-----
23.05	No Surface or Underground Pollution	-----	-----
23.07	Requirements for Production & Gathering Pipelines	-----	-----
16.01	Well Records on Site	-----	-----
16.02	Well Records Filed	-----	-----
7.05	Identification Markings	-----	-----

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED *Carlos Huieky*
DATE *1/2/86*

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. ...
Administrator

January 17, 1986

Date

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

JAN 8 1986

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OFFICE OF OIL AND GAS
CHARLESTON 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

Permit No. 47-79-0271-FRA
County: PUTNAM

Company: CABOT O & CO. CORP.
Well: ANNEST #2

Rule	Description	In Compliance
		Yes No
15.02	Identification Markings	
15.03	Well Records Filed	
15.04	Well Records on Site	
23.07	Reconstructions for Production & Gathering Pipelines	
23.02	No Surface or Underground Pollution	
23.04	Reclaimed Drilling Pits	
23.01	Necessary Equipment to Prevent Waste	
23.02	Maintained Access Roads	
15.02	Cement Type	
15.04	Adequate Cement Strength	
15.01	Adequate Production Casing	
15.02	Adequate Foot Casing	
15.03	Adequate Fresh Water Casing	
15.01	Required Retains at Wellsite	
22.03	High Pressure Drilling	
22.04	Permitted before drilling to prevent waste	
23.05	Notification prior to stopping work	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED

DATE

Your well record was received and reclamation requirements approved. In accordance with Chapter 23, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

[Handwritten Signature]

Administrator

Date

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

JAN 8 1986

09/29/2023

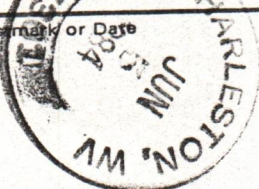
P522 264 381

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Amherst Coal Company	
Street and No. 1200 First Security Plaza	
P.O., State and ZIP Code Lexington, KY 40507	
Postage	\$ 37
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	60
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 1.72



PS Form 3800, Feb. 1982 Amherst Coal #2

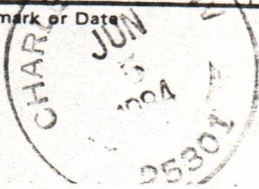
P522 264 382

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Mr. Benjamin P. Grosscup, Jr	
Street and No. 37 Woodland Avenue	
P.O., State and ZIP Code Greensburg, PA 25601	
Postage	\$ 54
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	60
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 1.89



PS Form 3800, Feb. 1982 Amherst Coal #2

P522 264 383

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

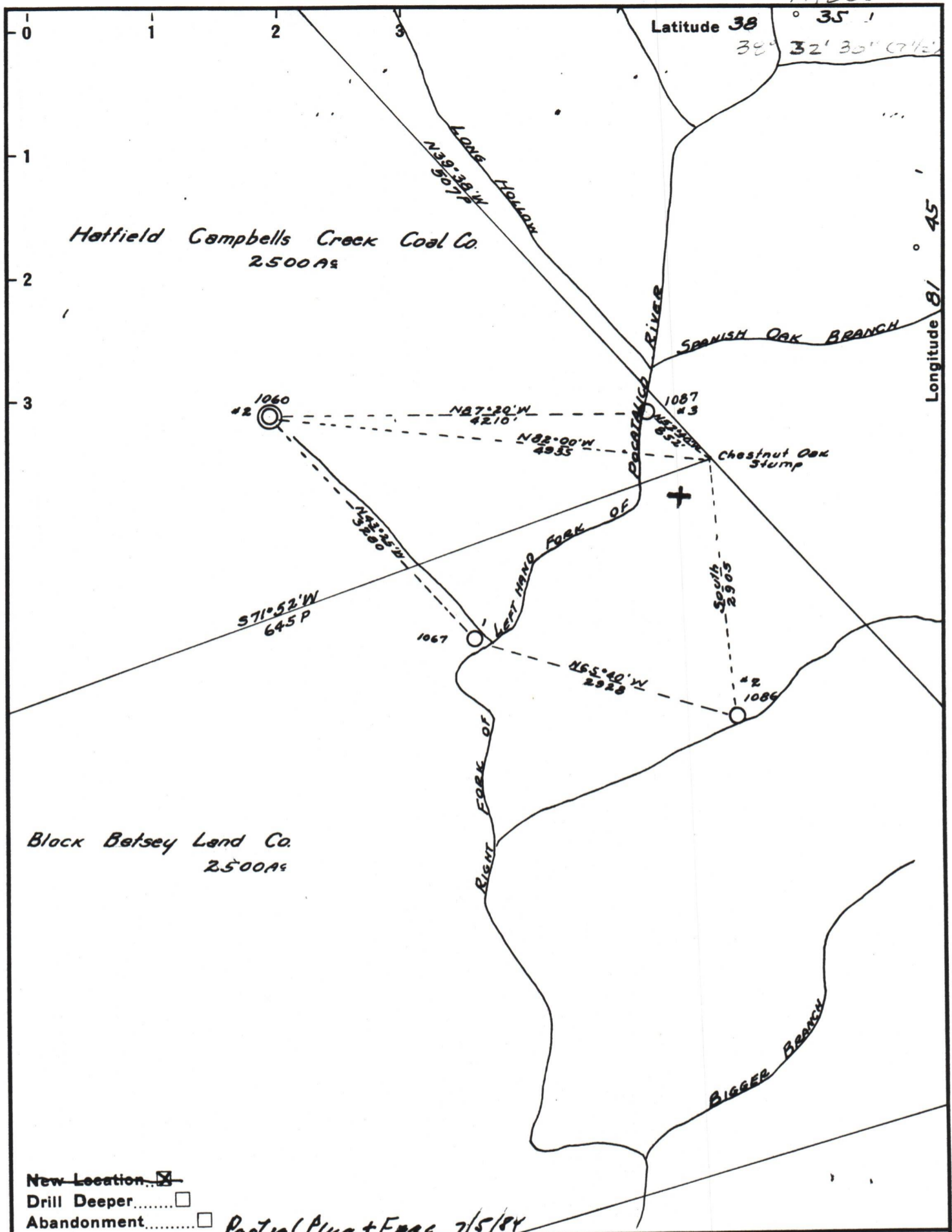
(See Reverse)

Sent to Diamond Shamrock Coal Co.	
Street and No. 1200 First Security Plaza	
P.O., State and ZIP Code Lexington, KY 40507	
Postage	\$ 84
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	60
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 1.89



PS Form 3800, Feb. 1982 Amherst Coal #2

RECEIVED
JUN 8 - 1984
OIL & GAS DIVISION
DEPT. OF MINES



Company Godfrey L. Cabot Inc
 Address 900 Union Bldg. Charleston W. Va.
 Farm Hatfield Campbells Creek Coal Co.
 Tract _____ Acres 2500 Lease No. 3-486
 Well (Farm) No. 2 Serial No. 1060
 Elevation (Spirit Level) 751.88
 Quadrangle Winfield 15' (BANCROFT 7 1/2')
 County Putnam District Pocatalico
 Engineer Ray Boston
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date 11-18-42 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. Put-221-PP-Frac.
 09/29/2023

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.