JAN 1 0 1985

OIL & GAS DIV.



2) Operator's C.W. Murphy C-5

3) API Well No. 47 - 109 - 0953 Well No._

County

Permit

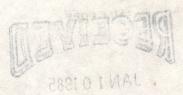
STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION

B (If "Gas", Production Underground storage Watershed: Simmons Fork of Clear Creek Watershed: Simmons Fork of Clear Creek	Shallow X/)
5) LOCATION: Elevation: 2024.7' Watershed: Simmons Fork of Creat Greatershed: Mathe	
	nenv / ½
District: IICPdIId County:	McCLuskey
b) WELLOFERATOR ORDER	
Address P.O. Box 628 Charleston WV 2	25322
Charleston, WV 2322 0	
OIL & GAS INSPECTOR TO BE NOTIFIED	
Name Arthur St. Clair	
Address P.U. BOX 400	
Pedrill / Stimulate	
0) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate / Plug off old formation / Perforate new formation /	
Plug off old formation/ Ferrorate new formation	
Other physical change in well (specify) 1) GEOLOGICAL TARGET FORMATION, Ravencliff, Big Lime, Weir 3685 feet	<u> </u>
(1) GEOLOGICAL TARGET FORMATION, 3685 feet	
12) Estimated depth of completed well, 120 AQ5 contact 1550 feet.	, No X
13) Approximate trata depths. The and 100/	_/ No/
14) Approximate coal seam depths:	
15) CASING AND TUBING PROGRAM SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILLUP OR SACKS	PACKERS
CASING OR Weight 1 Left in well (Cubic feet)	
Size Grade per II. 10 sks. Neat kin	units
Conductor 16" 03 A 1115 273 NETA	
Fresh water 2030' 525 sks. Near site	tesl S
Coal / G=570	
	epths set
Production 4-1/2 as req. by there	
Tubing	erforations: Bottom
Liners Li	Top Bottom
2102308 00 (N) CHARL FIE 3 8000 319 XH2 CF 4 8449 AV 8444 CF	
	Langer materiageA
OFFICE USE ONLY	
DRILLING PERMIT Januar	ry 11. 19 85
2000	
4/-10/ 0/33	with the pertinent legal re-
d well location shown below is evidence of permission granted to drill in accordance	and Gas Inspector, (Refer to
This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance of permits subject to the conditions contained herein and on the reverse hereof Notification must be given to the District Oil and quirements subject to the conditions contained herein and on the reverse hereof Notification must be given to the District Oil and quirements subject to the conditions contained herein and on the reverse hereof Notification must be given to the District Oil and quirements subject to the conditions contained herein and pits for any permitted work. In addition, the well operator or his contraction of roads, locations and pits for any permitted work has commenced.)	actor shall notify the proper
quirements subject to the conditions contained and pits for any perinted work has commenced.)	I anditions specified on the
No. 1 are inspector 24 hours before actual permitted with a large subject to any modifications and	A STATE OF THE PARTY OF THE PAR
district on and gas and escribed in the Notice and Application, plat, and rectaments a	prosecuted with due diligence.
The permitted work is as described in the Notice and Application, plat, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plat, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plat, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plat, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plat, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plat, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plat, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plat, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plat, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plat, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plat, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plat, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plan, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plan, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plan, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plan, and reclamation plan, subjects The permitted work is as described in the Notice and Application, plan, and reclamation plan, and the Notice and Permitted Plan, and the Notice and Plan, and	
Tanuary 11, 120	
Permit expires	Land
Pend: Agent: Plat: Casing of Fee	1/001
Bond: Agent MI 450 V Draww 1	Name
30 MH MAINTHA Administrator, Office of Oi	oil and Gas
	File
NOTE: Keep one copy of this permit posted at the drilling location.	
NOTE: Keep one copy of this permit posted at	
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 COPY

Reason:





OFFICE USE ONLY

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

OFFICE USE ONLY

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

Date(s) Date Follow-up inspection(s) Application received Well work started Completion of the drilling process Well Record received Reclamation completed OTHER INSPECTIONS Reason:



DATE December 26, 1984 WELL NO. C. W. Murphy C-5 API NO. 47

State of Mest Nirginia Bepartment of Mines Gil and Gas Bivision

Construction and Rec	lamation Plan
COMPANY NAME Cabot Oil & Gas Corporation of WV D	David McCluskey
COMPANY NAME Cabot Oil & Gas Corporation of WV D	ADDRESS P.O. Box 628 Chas. WV 25322
ADDRESS P.O. Box 020, chart	TELEPHONE 304-347-1000
TELEPHONE 304-347-1600	SOIL CONS. DISTRICT Southern
I ANDOWNER Simmons Fork Land Co.	
Revegetation to be carried out byCompany	Contractor (Agent)
Revegetation to be carried out by	SCD. All corrections
This plan has been reviewed byand additions have become a part of this plan.	own on
This plan has been reviewed by and additions have become a part of this plan.	1-4-85
and additions have been a	Dary W. Boschain
	4 21 Baschan
	Dary W. Part
	(SCD Agency
	LOCATION
ACCESS ROAD	(1)1
	STRUCTURE
STRUCTURE Ditch Relief Cross Drain (A)	
STRUCTURE DITCH ROLL	MATERIAL
SPACING Per Plan	PAGE REF. MANUAL
	PAGE REF. HANDAL
PAGE REF. MANUAL 2-1, 2-2, 2-3, 2-4	EXPLICITIFE Diversion Ditch (2)
Culverts (B)	SIROCIONE
PAGE REF. MANUAL 2-1, 2-2, 2-3, 2-4 STRUCTURE Culverts (B)	MATERIAL Soil
SPACING Per Plan	PAGE REF. MANUAL 2:12, 2:13
SPACING	PAGE REF. MANUAL 2:22
PAGE REF. MANUAL 2:7, 2:8, 2:9	STRUCTURE Sediment Barrier (3)
	STRUCTURE Season Filter Fence
STRUCTURE DISCENSION	MATERIAL Straw Bales or Filter Fence
	2:16, 2:18, 2:19
SPACING JAN 1 0 1985	PAGE REF. MANUAL 2:16, 2:18, 2:19
ACA ATTI A T	
DEDT OF MINES	if necessary. All com-
inspected regu	larly and repaired if necessary. All com- d and all brush and small timber to be cut work begins.
All structures should be inspected	and all brush and small
merical timber is to be cut and	work begins.
merical timber is to be cut and stacked and removed from the site before earth	
	STATION TREATMENT AREA II
TREATMENT AREA I	3
TREATMENT AND Tons/acre	or correct to pH 6.5
	Fertilizer 500 requivalent)
or correct to pin 1bs/acre	(11)-/U-20 V2 - 1
Fertilizer 300 anivalent)	1 1-h Hay or Straw @ 12 10 lbs/acre
(10-20-20 or equivalent Tons/acre	Seed* Ky 31 Tarr research
Mulch Hay or Straw @13 40 lbs/acre Seed* Ky 31 Tall Fescue 5 lbs/acre	Podton 1hc/acre
Seed* Ny 31 12	
Redtop 1bs/acre	a la proper
	ecommended amount.
traculate all legumes such as veter	ecommended amount.
*Inoculate all legumes such as vetch bacterium. Inoculate with 3X the re	TO DY
bacterium. Inocara	PLAN PREPARED BY Cabot Oil and Gas Corporation
The state of the s	Cabot Oil and Gas Corp
Note: Please request landowner	ADDRESS P.O. Box 628
Note: Please request land cooperation to protect new	Charleston, WV 25322
	Charleston, 277 1600
season. Attach separate sheets as necessary for	PHONE NO. (304) 347-1600
sheets as necessary	
. comments.	

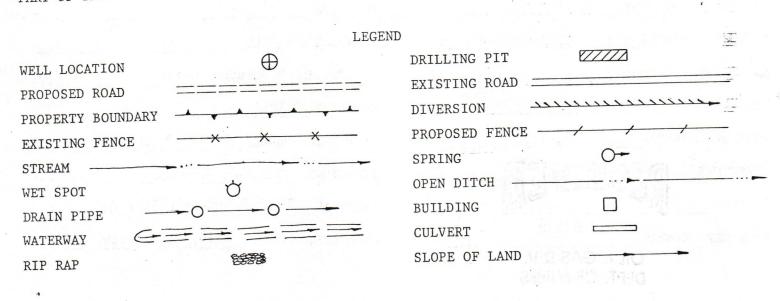
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Matheny

WELL SITE \bigoplus ACCESS ROAD ======

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.



SKETCH ATTACHED

COMMENTS:	The existing portion of access road to the site to be graded, ditches						
	pulled and drains installed where required by field conditions.						
	Existing roadbed to site to be reconstructed, ditches pulled and drains						
	installed where required by field conditions.						
	Ditch Relief Cross Drains to be installed as an integral part of the						
1	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.						

EXISTING L CONSTRUCT APPROVED CABOT OIL &

CABO

IV-9	12/ =	1 (5)	DATE ADTIT Z	, 1900
(REV 8:51) 109 - 0953		经制	WELL NO. C. W	. Murphy C-5
	1:10			<u> </u>
FIELD REVIEWED			. K. Kristini	73000 2000 2000
FIELD KE	State of Me	siniguiß ta		Revised
C But	Beparlment	of Aines		
MPR 22 1985	Gil and Ges	Bivision /		
NPR LL	nstruction and		Plan	
	· / ·			McCluskey
COMPANY NAME Cabot 011 & Gas Co	orporation of WV	DESIGNATED	AGENT DAVID P	28 Chas. WV 25322
TELEPHONE 304-347-1600	3. HV 23322	TELE	PHONE 304-347-	-1600
LANDOWNER Simmons Fork Land Co.			DISTRICT Sout	
Revegetation to be carried out l	hw Comp	any Contract	ar	(Agent)
Revegetation to be callled out i) //	<u> </u>	· · · · · · · · · · · · · · · · · · ·
This plan has been reviewed by_		outhern). All corrections
and additions have become a part	t of this plan.		(Date)	
				1
		Dar	(SCD Agent)	hain
		0	(SCD Agent)	
			- France	s man in mineral
ACCESS ROAD			LOCATION	to the same of the
STRUCTURE Ditch Relief Cross Dra	ain (A)	STRUCTURE_	· (end:	MAY 0 3 1985 (1)
SPACING Per Plan		MATERIAL		
				OIL & GAS DIVISION
PAGE REF. MANUAL 2-1, 2-2, 2-3,	2-4	PAGE REF.	IANUAL DE	PT. OF M.N.
STRUCTURE Culverts	(B)	STRUCTURE_	Diversion Dito	ch (2)
SPACING Per Plan		MATERIAL	Soil.	
PAGE REF. MANUAL 2:7, 2:8, 2:9		PAGE REF. 1	MANUAL 2:12,	2:13
STRUCTURE	(C)	STRUCTURE	Sediment Barri	er (3)
				-
SPACING	7	MATERIAL	Straw Bales or	Filter Fence
PAGE REF. MANUAL	The same of the sa	PAGE REF. 1	MANUAL 2:16, 2	:18, 2:19
•				
All structures should be i	increated recul	arly and rone	ired if peces	ary All com-
merical timber is to be co				
and removed from the site				
TREATMENT AREA I	Reveget	ation	TREATMENT ARE	AII
Lime 3	Tons/acre	Lime	3	Tons/acre
or correct to pH 6.5		or corn	ect to pH 6.	5
Fertilizer 500	lbs/acre	Fertilizer		lbs/acre
(10-20-20 or equivaler Mulch Hay or Straw @15	Tons/acre		(10-20-20 or eq or Straw @ 1½	and the state of t
Seed* Ky 31 Tall Fescue	40 lbs/acre	Seed* Ky 31	l Tall Fescue	40 lbs/acre
Redtop	5 lbs/acre	Redto	р	5 lbs/acre lbs/acre
P	lbs/acre			IDS/acre
*Inoculate all'legumes su	ich ac votch +	refoil and ol	overs with the	proper
	th 3X the recom			0 /
		LAN DOUBLES	Dy A	V. A. Da :
	Pl	LAN PREPARED	DI gussell &	1 pelan

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

Cabot Oil and Gas Corporation Of 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

WELL SITE \oplus ACCESS ROAD ======

PHOTOCOPY ATTACHED

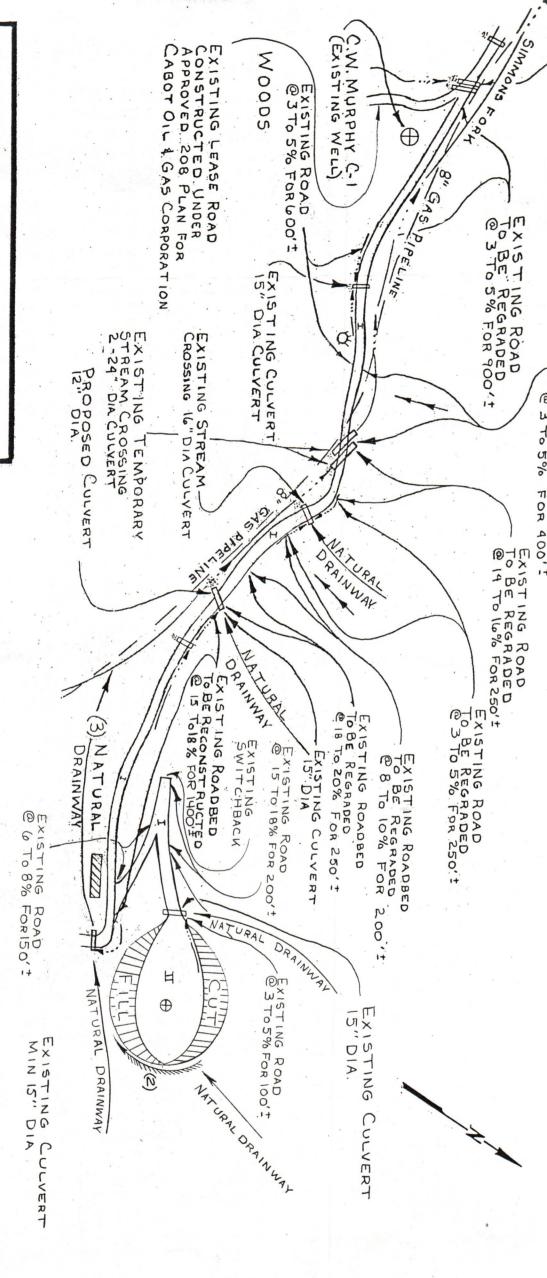
WELL SITE PLAN

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 XXX	PROPOSED FENCE
STREAM	SPRING
WET SPOT	OPEN DITCH
DRAIN PIPE —O—O—	BUILDING
WATERWAY	CULVERT
RIP RAP	SLOPE OF LAND

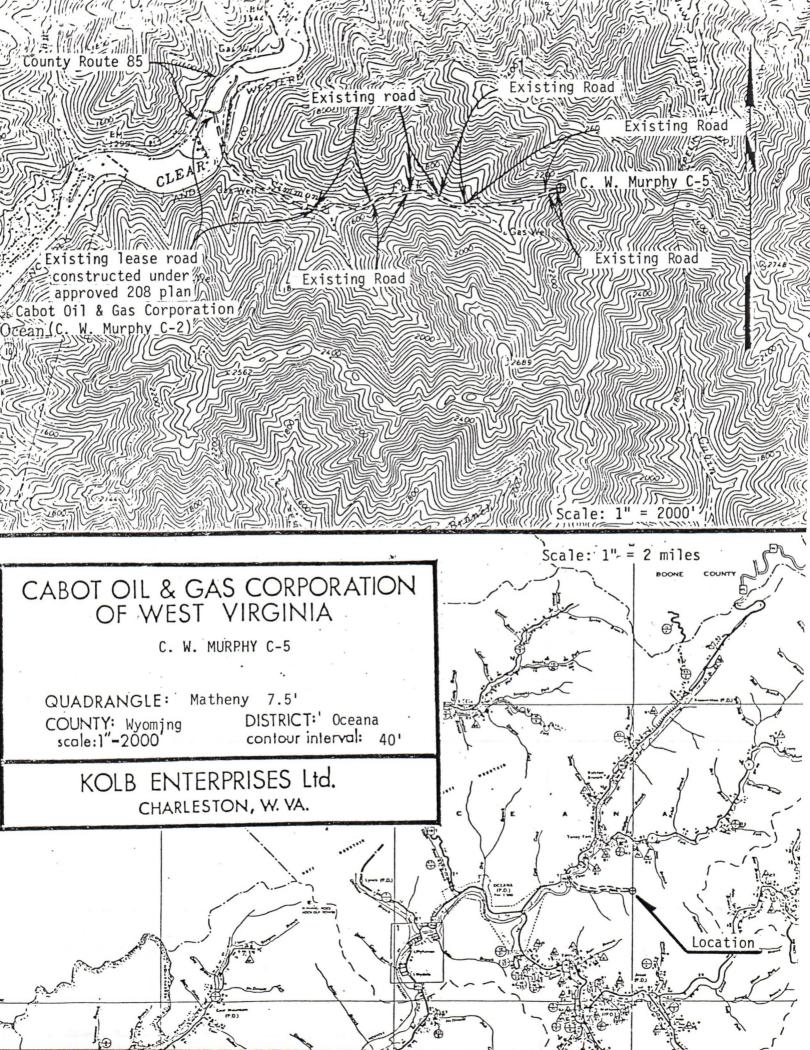
SKETCH ATTACHED

COMMENTS:_	The existing portion of access road to the site to be graded, ditches							
•	pulled and drains installed where required by field conditions.							
	Existing roadbed to site to be reconstructed, ditches pulled and drains							
	installed where required by field conditions.							
	Ditch Relief Cross Drains to be installed as an integral part of the							
E,	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.							
_								



CABOT OIL & GAS CORPORATION
OF WEST VIRGINIA
C.W. Murphy C-5
KOLB ENTERPRISES Ltd.
CHARLESTON, W. VA.

AREA I = 5 ACRE + AREA II = 1 ACRE +



37.

January 9 1) Date:

2) Operator's

Well No. C.W. Murphy C-5 3) API Well No. 47-109-0953

State County Perm

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

NOTICE OF APPLICATION	N FOR A WELL	WORK PERMIT
(i) Name Simmons Fork Land Co.	5(i)	COAL OPERATOR Not Operated Address
Address Attn: Mr. Alexander Smith, F	President 5(ii)	COAL OWNER(S) WITH DECLARATION ON RECORD Name Simmons Fork Land Co.
(ii) Name Peterstown, WV 24963 Address		Address Attn: Mr. Alexander Smith P.O. Box 356
(iii) NameAddress		Address
	5(iii)	COAL LESSEE WITH DECLARATION ON RECORD: Name Address
<u> </u>	1 1 1 1 1	ments:

T CT	IED MAIL PROVIDED L MAIL	Company er Smith	63	75		09		*	108561	ments: ll is ck, ; and
第6名 第6名 P 591 456 95	RECEIPT FOR CERTIFIED N NO INSURANCE COVERAGE PROVIC NOT FOR INTERNATIONAL MAIL	(See Reverse) Innons Fork Land En: Mr. Alexand	Street and No. P.O. Box 356 P.O. State and ZIP Code Peterstown, MV 2496.	Certified Fee Special Delivery Fee	Restricted Delivery Fee	Return Receipt Showing to whom and Date Delivered	Return receipt showing to whom, Date, and Address of Delivery	TOTAL Postage and Fees	Postmark or Date	CATION ATION DP- ents ia tration and the slivered
by be			A.E861 .O. 9.02.	見がから	rye	mill	286 1	Feb. 1	PS Form 3800,	

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 X

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
o M Cl., alcour

David G. McCluskey 19 85. this 9 day of January expires March 5

Notary Public, Kanawha West Virginia State of

WELL GAS CORP. OF WV OPERATOR CABOT OIL

SuperIntendent Its District Address P.O. Box

Charleston, WV 25322 347-1600 (304)Telephone

INSTRUCTIONS TO APPLICANT

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-lb(b) if "more than three tenants in common or other ∞ -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-lk 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-lk(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-la(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 awelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Rovalty	Rook Dane
C.W. Murphy, et al	Godfrey L. Cabot (COGC of WV)	12.5%	101 408

CURRENT ROYALTY OWNER

Simmons Fork Land Co.

JAN 1 1985



1)	Date:				
2)	Operator's Well No.	C.M.	Murphy	C-4	
	W CH I TO	47			-

3) API Well No. 47
State Permit County

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

1				APPI	ICATIO	N FOR A WEEL					
1-				X	,				Shallow		
4) WELL TYPE	: A Oil		_/ Gas .			Underground storag	e Fork o	f Clear Fork		The state of the s	
B (If "Gas", Production 2012 31 Watershed: STEMBOTTS FOR STEEL 1911 1911											
5) LOCATION: Elevation: Oceana County: "Yours Savid G. MCCTUSKEY											
District Oil & Gas Corp. of WV 7) DESIGNATED AD 0 Box 628											
6) WELL OPER	DO	Pax !	623				Address	Charleston, W	V 25322		
Address	Charleston, WV 25322										
8) OIL & GAS	INSPECTO	OR TO BI	E NOTIFI	ED		9)	UNKIN	OWN		n	
D.	rthua S	36. 61	all				Name		-		
NameAddress	P.0	Pax	403	• 0	732-62	27	Address	20) Carl	<u> </u>	
Address	Brei	nton,	WV 248	-			Redrill	_/ Stimulate	I. Co	0	
10) PROPOSED	WELL W	ORK:	Drill		Drill	deeper	new formation				
10) PROPOSEL			Plug off	old fo	rmation_			96		ner)	
					laven	well (specify)	me, Heir	20	0 10		
11) GEOLOGIC	CALTARO	ET FORM	MATION,	-3	710	feet		= 5	2 985		
12) Estimat	ed depth of	complete	ed well, _		520	feet; salt,	1580		S NOW	U	
13) Approx	cimate trata	depths:	Fresh,		1072	Is coal b	eing mined in the a	rea? Yes	Contraction of the Contraction o	2)	
14) Approx	cimate coal	seam dept	ins:					THE RESERVE TO BE	PACKERS		
15) CASING A	ND TUBI	NG PROC	IFICATIONS		11	FOOTAGE INTE	ERVALS	OR SACKS			
CASING OR TUBING TYPE			Weight	New	Used	For drilling	Left in well	(Cubic feet)	Kinds		
TOBING TITE	Size	Grade	per ft.	X		30'	30	,,	Kindo		
Conductor	13					00601	2060*	530 sks. He	Sizes	17	
Fresh water	8-5/8	11	24	X		2060				The state of the s	
Coal	0,0	9-				3710	3710	380 sks. or	Depths set		
Intermediate	4-1/2	11	10.	X		3710		req. by itul	2 10 01		
Production									Perforations:	—— ñ	
Tubing				-					Тор	Bottom	
Linera				-					22 86	1	
			-	-						O and the	
									而支	- Un	
						TO COAL OPERATO	OR. OWNER, OR	LESSEE	Cu.	AC	
			IN	STRUC	TIONS	TO COAL OPERATO	: God that	any objection they wis	sh to make or	Comment	
	The	named co	oal operat	or, coal	owner(s)	, and coal lessee are he e filed with the Depart	ment of Mines with	nin fifteen (15) days af	ter the receipt		
	are real	ired to ma	ake by Coo	16 822-4	Jinase	e filed with the Depart	ment of the		**		
	of this										
		The fo	llowing wa	iver mu	st be cor	npleted by the coal op	the permit is to be	issued within fifteen	(15)		
		who ha	e recorded	1 a decla	lation u.		the permit is				
		days of	f the filing	of the	Applicati						
						WAIVER		/ of the	and under this we	Il location has	
					/ own	hich covers the area of the at this location, pro	/ lessee	he well location has b	een added to the m	nine map. The	
The unders	igned coal	perator well locati	ion. If a m	ine map	exists w	hich covers the area of ne at this location, pro	the well location,	rator has complied wi	th all applicable re	quirements of	
CAUTITION	ahia	ction to th	ne work pi	oposed	to be do	ne at this location, pro	vided, the wen op-		1 11		
the West Vir	ginia Code	and the g	overning	regulatio	ns.		Cimmo	m tork	hand los	mpany	
							yunun	1 4.	C . fo		
					05		Du Alch	mour M.	Smith		
Date:	anua	ru	10	_, 19_6	15		by	. / _			
Date:		1					Is Fres	ander M.			
		X					113				
									C	oal Owner	



2)	Operator's Well No.	C.H.	Murphy
	Well No.	47	
2)	API Well No.		County

以, 意。	,	Operator's Well No.	C.H.	Murphy V	-
	3)	API Well No.	State	County	

						tillar tark till			
JAL	11198	35	DEP						
	THE PERSON NEWSCOOL	The second	1	DDI ICA	TION	FOR A WELL WOR	(A FERMI		
16.		-	A					,	Shallow
	Charles and the same of the sa		Cas	X		1 -+ 0.5306	25	Deep Fork	
WELL TYPE:	A Oil			467 10		Underground Storage	ions fork of	3102	atheny 72
4) WLLD	D III LIA	s", Produ	2012.	31		Watershea.	ng	Quadrangle:	. McCluske
O LOCATION:	Elevation	n:	ceana			County:	ECICNATED AG	ENT TOY 1778	
	District:	nt Of	1 & Ga	s cor	p. (71 20	Address -	parleston.	N 25522
WELL OPERA	TOR	BOY 62	28						Service Control of the Control of th
	Pelle	octon	WY 25	322	-		DRILLING CONT	RACTOR:	6
	Chari	6.50011	NOTIFIFE			7)	Name UMANO	in .	
OIL & GAS IN	NSPECTOR	TOBE	ir					- Com-	0
Name Ar	thun 30	Pox 4	83			107		-	<u>CO</u> /
		_	V 2481	3 73	2-00	2.21	Pedrill	_/ Stimulate	(1)
	-	-	7		Drill	deeper	formation		5 5
PROPOSED	WELL WO	RK:	Drill			/ Perforate	new room	genillo cresso cresso	0 00
10) PROF 0022			Plug off	sical cha	nge in	well (specify)	me, Heir	ES	3
			Other pily	111	a ven	Ciliis		S	AC
CEOLOGIC	AL TARGE	ET FORM	ATION,	31	10		The state of the s	feet.	/ No
11) GEOEGE	ed depth of	complete	d well, —	130,	564	feet; salt,	being mined in the a	rea? Yes	
	: ate trala	depuis.		304,	101	ls coal	Dellig		il PACK
				100			COVAIS 1	CEMENT FILL-UP OR SACKS	
CASING A	ND TUBIN					FOOTAGE IN		(Cabic feet)	J. Kinds
15) CASIL	11	SPEC	Weight	1	Lised	For drilling	Left in wen	10 2K2. 118	
STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT APPLICATION FOR A WELL WORK PERMIT APPLICATION FOR A WELL WORK PERMIT Underground storage STERROTIS FORK OF CIEBLE Watershed: W		Sizes							
	10"		40	-	7.3	99001	2030	330 sks. 1	Sizes
	1		- TA	77		2000		1	25 182
Fresh water	3-5/3	1	2.7	-		272.11	3710	300 sks. 0	Depths set
	-		1700	Y.		3/10		req. by At	
	4-1/2	1	10.0	1					Perforations:
Production	1		1-	1	-				Тор
Tubing	-			1	-				
Liners				1	1				
	-		1	+-	1				
			1	1			the state of the s		

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

Form 1v-0, and (4) a Construction and Rectamation Flan on Form 1v-7, an 101 proposed well work on my surface land as described in these materials, and I have no objection to a permit being issued in the state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued in the state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued.

I further state that I have no only materials.	(For execution by natural persons)	
(For execution by corporation, partnership, etc.) NAME: Summers fork hand Company NAME: Mr. Smith	(Signature)	
1/10/85	(Signature)	
Its President Date Prof		

IV-35 (Rev 8-81)

State of Mest Airginia Well No._

Operator's C-5

May

Date

Farm C.W. Murphy API No. 47 - 109

OIL & GAS DIVISION. DEPT. OF MINES

Static rock pressure 465

Bepartment of Mines Bil und Gas Bivision

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

District: Oceana County Wyoming 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 Simmons Fork Land Co. SURFACE OWNER Attn: Alexander Smith, President ADDRESS P.O. Box 356, Peterstown, WV 24963 MINERAL RIGHTS OWNER Same as above ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Arthur St. Clair ADDRESS Brenton, WV 24818 PERMIT ISSUED January 11, 1985 DRILLING COMMENCED 3/15/85 DRILLING COMMENCED 3/22/85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING, VERBAL PERMISSION OBTAINED GPOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Wei Depth of completed well 3685 feet Rotary Water strata depth: Fresh 47 feet; Salt	Quadrar Ing Used ing Drilli 66 4 0" 78 2024.	ngle Mathen	Cement fill up Cu. ft.
COMPANY Cabot 0il & 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 Simmons Fork Land Co. SURFACE OWNER Attn: Alexander Smith, President ADDRESS P.O. Box 356, Peterstown, WV 24963 MINERAL RIGHTS OWNER Same as above ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Arthur St. Clair ADDRESS Brenton, WV 24818 PERMIT ISSUED January 11, 1985 DRILLING COMMENCED 3/15/85 DRILLING COMPLETED 3/22/85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING, VERBAL PERMISSION OBTAINED GEOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Weild Depth of completed well 3685 feet Rotary	ng Used ing Drilli	in Left ing in Well 7' 47'	Cement fill up Cu. ft.
ADDRESS P.O. Box 628, Charleston, WV 25322 DESIGNATED AGENT David G. McCluskey ADDRESS P.O. Box 628, Charleston, WV 25322 Simmons Fork Land Co. SURFACE OWNER Attn: Alexander Smith, President Cond ADDRESS P.O. Box 356, Peterstown, WV 24963 MINERAL RIGHTS OWNER Same as above ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Arthur P.O. Box 468 St. Clair ADDRESS Brenton, WV 24818 DRILLING COMMENCED 3/15/85 DRILLING COMMENCED 3/15/85 DRILLING COMPLETED 3/22/85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED GEOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Weil Depth of completed well 3685 feet Rotary	ng Drilli 6.6 4 0" 2024.	ing in Well	fill up Cu. ft.
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DESIGNATED AGENT David G. McCluskey ADDRESS P.O. Box 628, Charleston, WV 25322 SIMMONS Fork Land Co. SURFACE CWNER Attn: Alexander Smith, President ADDRESS P.O. Box 356, Peterstown, WV 24963 MINERAL RIGHTS CWNER Same as above ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Arthur P.O. Box 468 St. Clair ADDRESS Brenton, WV 24818 PERMIT ISSUED January 11, 1985 DRILLING COMMENCED 3/15/85 DRILLING COMPLETED 3/22/85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING, VERBAL PERMISSION OBTAINED CPOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Weilder Depth of completed well 3685 feet Rotary	ng Drilli 6.6 4 0" 2024.	ing in Well	Cu. ft.
ADDRESS P.O. Box 628, Charleston, WV 25322 Simmons Fork Land Co. SURFACE OWNER Attn: Alexander Smith, President ADDRESS P.O. Box 356, Peterstown, WV 24963 MINERAL RIGHTS OWNER Same as above ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Arthur P.O. Box 468 St. Clair ADDRESS Brenton, WV 24818 PERMIT ISSUED January 11, 1985 DRILLING COMMENCED 3/15/85 DRILLING COMPLETED 3/22/85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING, VERBAL PERMISSION OBTAINED CN GEOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Weigner Street Rotary GEOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Weigner Street Rotary	4.0" '8 '8 2024.	7' 47'	10 sks.
ADDRESS P.O. Box 356, Peterstown, WV 24963 MINERAL RIGHTS OWNER Same as above ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Arthur P.O. Box 468 St. Clair ADDRESS Brenton, WV 24818 PERMIT ISSUED January 11, 1985 DRILLING COMMENCED 3/15/85 DRILLING COMPLETED 3/22/85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CN GEOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Weild Depth of completed well 3685 feet Rotary	'8 2024.	50' 2024.50'	571 sks.
MINERAL RIGHTS OWNER Same as above ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Arthur P.O. Box 468 St. Clair ADDRESS Brenton. WV 24818 PERMIT ISSUED January 11, 1985 DRILLING COMMENCED 3/15/85 DRILLING COMPLETED 3/22/85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CN GEOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Weinderstand Completed well 3685 feet Rotary	78 2024.	50' 2024.50'	571 sks.
OIL AND GAS INSPECTOR FOR THIS WORK Arthur P.O. Box 468 7 St. Clair ADDRESS Brenton. WV 24818 PERMIT ISSUED January 11. 1985 DRILLING COMMENCED 3/15/85 DRILLING COMPLETED 3/22/85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CN GEOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Weinderstand Depth of completed well 3685 feet Rotary		50' 2024.50'	571 sks.
St. Clair ADDRESS Brenton. WV 24818 PERMIT ISSUED January 11. 1985 DRILLING COMMENCED 3/15/85 DRILLING COMPLETED 3/22/85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED use ON COMPLETED September 1. September 1. September 2. Septem	'2		
PERMIT ISSUED January 11, 1985 DRILLING COMMENCED 3/15/85 DRILLING COMPLETED 3/22/85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CN GEOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Weinder Depth of completed well 3685 feet Rotary	2		
DRILLING COMMENCED 3/15/85 DRILLING COMPLETED 3/22/85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED use ON COMPLETED STORM THE COMPLETE OF COMPLETE O			
DRILLING COMPLETED 3/22/85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED use CON CEPOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Weing Depth of completed well 3685 feet Rotary	2 3666'	3666'	225 sks.
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CN GEOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Wei Depth of completed well 3685 feet Rotary			1,000 7,000 7,000
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED use CN GEOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Wei Depth of completed well 3685 feet Rotary	-1/2 3559'	3559'	100 10 10
GEOLOGICAL TARGET FORMATION Ravencliff, Big Lime, Wei Depth of completed well 3685 feet Rotary		3.13)(2	THISTORY
Depth of completed well 3685 feet Rotary	314	98/4648	1.5
Depth of completed well 3685 feet Rotary	Rv. 2145-	2190, Weir 3 Depth BL 3065	590-3615 -3390 feet
Water strata depth: Fresh 47 feet: Salt			- 1 C & AV
	N/A fe	et	in orizin
Coal seam depths: 1072-1074, 508-510' Is o			
OPEN FLOW DATA			
Producing formation Weir & Big Lime		Weir 3590- Repth BL 3094	3598'
Gas: Initial open flow Mcf/d Oil:			
4 hr. Final open flow 984 Mcf/d			
Time of open flow between initial an			
Static rock pressure 740 psig(surface meas			
(If applicable due to multiple completion)			-5 Silet 11
Second producing formation Ravencliff	Pay zone d	lepth 2156-2	188 feet
Gas: Initial open flow Mcf/d Oil:			Bb1/d
4 hr. Final open flow 1,000 Mcf/d Oil:			

psig(surface measurement) after -- hours shut in

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

Perf Weir form 3590-3598' (10 holes). Dumped 250 gals. 15% HCL & breakdown perfs w/N2.

Breakdown 1300 psi. ISIP after break 1100 psi. Max concentration 1.5# per gal. AIR 4 BPM, 18,000 Scf/min. ATP 2050 psi, max 2100 psi. T/F 189 bbls, S/L 150 bbls. Total N2, 642,000 Scf. ISIP 1900 psi, 5 min 1300 psi, 10 min 1300 psi, 15 min 1250 psi. Perf Big Lime from 3094-3344 (15 holes) Pump 500 gals. 15% HCL w/frac ball & breakdown perfs. Breakdown 1250 psi. ISIP after break 600 psi. Treated w/10,000 gals gelled acid. AIR 4 BPM, 1000 Scf/min assist. ATP 1300 psi, max 1900 psi. T/F 252 bbls. Total N2 120,000 Scf. ISIP 1500 psi, 5 min 1400 psi, 10 min 1400 psi, 15 min 1350 psi. Ravencliff perf from 2156' to 2188', (12 holes). Set Arrow drill packer @ 2250' K.B. Dump 250 gal 15% HCL & breakdown perfs with N2, breakdown pressure 2600 psi. ISIP after break 2600 psi. Max sand concentration 2#/gal. AIR 4.4 BPM, 10,800 Scf/min. N2. ATP 2975 psi, Max 3200 psi. T/F 317 bbls, S/L 232 bbls. Total N2, 720,000 Scf. ISIP 3000 psi, 5 min 2750 psi, 10 min 2700 psi, 15 min 2600 psi. after 3 hrs. shut in.

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			0	65	H ₂ O @ 47'
Shale			65	120	"2" 6 17
Sand	en in the second se	and the state of the state of	120	190	
Shale			190	275	the complete the state of the s
Sand	and the state of t	and the state of the state of the state of	275	320	
Shale.	and the second		320	350	controlled the same of the same of the same of
Sand			350	560	Coal 508-510'
Shale -			560	625	σοατ 300-310
Sand			625	670	
Shale		180	670		
Sand			710	784	
Shale			784	800	and the second s
Sand		grade to the state of the state of the state of	800	855	· · · · · · · · · · · · · · · · · · ·
Sandy Shale			855	982	
Sand	The second section of the section of the second section of the section of	The Girth Life	982	1220	Coal 1072-1074
Shaley Sand		· Carlos Nach	1220	1285	Coal 10/2-10/4
Sand			1285	1460	
Shale			1460	1505	
Shaley Sand			1505	1840	the state of the s
Sand	1000	to the second se	1840	1970	Plant veryens to the terms of the
Shale	get a fine constitue and which the life	in a supposed Labor	1970	2020	The state of the s
Sand			2020	2070	
Shaley Sand	School of the same and the same		2070	2125	Vocas de la company de la comp
Shale Sand	Grey	Soft	2125	2145	
Ravencliff	White	Hard	2145	2190	the second control of the second seco
Avis Lime	Grey	Hard	2190	2230	
Shale	Grey/Red	Soft	2230	2270	Con ale A 22641 NCD
U. Maxton	Grey/White	Hard	2270	2320	Gas ck. @ 2264' NSR
Sandy Shale		The state of the s	2320		0
Shale	Red/Grey	Soft		2835	Gas ck. @ 2796' - 103 M (Prob. Rv.gas
	Grey	Soft	2835	2890	
L. Lime Shale	Grey	Hard	2890	3050	and the second s
	Grey	Medium	3050	3065	1 0 00751 100 0
Big Lime	White/Tan	Hard	3065	3390	Gas ck. @ 3075' - 103 M
Ch. 1		TOTAL COST	0000	1	Gas ck. @ 3203' - 133 M
Shale	Red		3390	3480	Gas ck. @ 3298' - 198 M
Shale .	Grey .		3480	3590	Gas ck. @ 3546' - 198 M
Weir Sand	Grey		3590	3615	
Shale	Grey		3615	T.D.	Gas ck. @ T.D. 140 M

DTD - 3703'

(Attach separate sheets as necessary)

LTD - 3685'

Well Operator

By: David M C Cluskey

Date: May 15, 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."

DEPARTMENT OF MINES





CIL & GAS DIVISION

INSPECTOR'S WELL REPORT OF MINES

Permit No. 09-0953			Oil or	Gas Well Las
Company Calot Oil & Soa	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address Charleston, all,	Size			
Farm Munphy	16	30'	-045	Kind of Packer
Well No. C-5	13			G:
District Ocland County Wyo	81/4 8 %-	20401	.cts1	Size of Cherolin)
Drilling commenced 3-12-85	65%		-	Depth set
Drilling control 2040 Total depth 204	5,3/16_ 5 S S es d			Perf. top
Date shotDepth of shot	2			Perf. bottom
Initial open flow/10ths Water inInch	Liners Used			Perf. top
Open flow after tubing/10ths Merc. inInch				Perf. bottom
VolumeCu. Ft.	CASING CEME	NTED	_SIZE	No. FTDat
Rock pressurelbshrs.	NAME OF SER			
Oilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT 40'	FEET 18" INCHES
Fresh water 32 - 47 feet feet	5/6 FEET_	24" INCH	ES/072	FEET 74 INCHES
Salt waterfeetfeet	FEET_			FEETINCHES
Drillers' Names Century Drg. Re	42			
under violotie	in pat	Vertie		
Remarks: 20cll use 571 Sax	need Ce	week-	3 couls	2 le o-
Remarks: 2 vill use 571 Say	5 90: 8	wide She	se gu	wish
ound wait on Cog as ho	ne appo	suit to	mest	R. Rellin.
Reports to trip out this	teins 1	12115 19.	m.	- Con q
3-10-85 proceden P	oor	0.0		6 12



DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

CMP				W	ell No		
OMPANY			ADDRESS				
FARM		Diemprem	A TOTAL OF THE THE WAY TO A THE	ACT THE RESERVE AND THE STREET, WHICH STREET, WHICH STREET, NAME OF THE PARTY AND THE STREET, AND THE STREET,			
The state of the s		DISTRICT		COUNTY			
filling Material Used							
			Management das Autoritation (Contract Contract Contract Contract Addition of the Contract Open Contract Contrac			****	
iner Loc	ation	Amount	Packer				
	ND DEPTH PLACED		AUNCI	, Location			
CEMENT-THICKNESS	Management of the second secon		BRIDGER	CASING AND TUBING			
	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOS	
						Water State of the Local Division in the Loc	
The state of the s							
		A STATE OF THE STA					
and the second s							
						The state of the s	
	The state of the s						
3.0							
lers' Names							
3						-	
arks:						-	

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

DATE

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT GAS DIVISION

Uyo. 109- 0	953	31010	0 /	DEP	T. of M	Gas Well
Permit No	Mei	ur (Const		(KIN	O)
Cafat	Old off	100.	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Company Company	I for Shill	1	Size			
Address May M	sien v.	-	16			Kind of Packer
Farm 9, W. 101d	yong.	of shift have	13	7.54.10	San Transport	
Well No.	5		10			Size of
District Oceans	County Wy	0.	81/4			-
Drilling commenced	xew Couss	_	65%			Depth set
Drilling completed			5 3/16			Perf. top
Date shot			3			Perf. bottom
			Liners Used			Perf. top
Initial open flow		and the state of t				Perf. bottom
Open flow after tubing	/10ths Merc. in	Inch				
Volume		_Cu. Ft.				No. FTDate
Rock pressure	lbs	hrs.	NAME OF SE	RVICE COMP.	ANY	
Oil	bbls., 1s	t 24 hrs.	COAL WAS EN	NCOUNTERE	O AT	_FEETINCHES
Fresh water	feet	feet	FEET	INC	HES	_FEETINCHES
Salt water	feet	feet	FEET	INC	HES	_FEETINCHES
	ele Dros-	6	in this	16-	2.1	- moleculari
Drillers' Names	ele aros -	ge	overn	1 cont	como	
Remarks:	1 -00	1:14	B. D.	Reive	self	Poisset,
Cofor	Locotin	July	I St.	Reve e eva	sme	oved
					2 20	10 hours
60° or 50°	at loca	sho	of file	111/1	na to	
to pret	Desposo	fole	1 sell	Do "	unit	~ MAG
3-2-85,03484	Désposo Should in this P.	moo	- Callery	T.	2 rules	5x. Day 600
DATE	in this P.	m. D	2 our on be	we .		DISTRICT WELL INSPECTOR

Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

OWI THE C			ADDRESS			
ARM		DISTRICT .	C	OUNTY		
illing Material Used					X	
iner Loc	ation	Amou	ınt Packer	Loc	ation	
	ND DEPTH PLACED	T	BRIDGES	CASING	G AND TUE	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
				1 2		
						7500
			34.49			
		15				
				the desired to the		
		Y 2 11 8 2 7	n seen les			
	19 1965		engizensi medicintarah			
Orillers' Names						
	\$ 100 pt	19.00				
Remarks:						
	I hereby certify I v	isited the above	well on this date.			

DEPARTMENT OF MINES



1

OIL & GAS DIVISION

INSPEC	TOR	'S WELL	REPOR	DEPT. c	F MINES
Permit No. 189-0953	Om	photogram	0.		Gas Well
Company Copot. O Clas of U	10,	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address Charleston, WV.		Size			4 4 4
Farm Murphy		16	391	CtC	Kind of Packer
Well No. #5		10		12 09 15 U.S. V.	Size of
District Ocean County Delyo	men	8 81/4 8 5	2040	cx	
Drilling commenced 3 1/2 -85		5 3/16			Depth set
Drilling completed Total depth 326	23	3 4/2			Perf. top
Date shotDepth of shot		2			Perf. bottom
Initial open flow/10ths Water in		Liners Used			Perf. top
Open flow after tubing/10ths Merc. in					
Rock pressurelbs		CASING CEMEN NAME OF SERV			No. FTDate
0:1		COAL WAS ENG	COUNTERED	AT 42	FEET S INCHES
Fresh water 32/-120/.			-17	*	FEET 74 INCHES
Salt water feet	_feet _	FEET_	INCH		FEETINCHES
Drillers' Names Century Dry &	2 -	Rig 4	2		
Remarks: Well less not C	me	sted o	dollu	leon	Renkla
Lill under veolation.	Reg	is es de	aging (Lown	at the
Lill under veolation. Lill ander veolation.	Ebote	ment ti	nil. Ou	via	Colon
3-22-85 DATE				mest.	
gione seamenting to	alo	La notice	P		\wedge

DEPARTMENT OF MINES



DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

ARM DISTRICT COUNTY Silling Material Used. Iner Location Amount Packer Locat PLUGS USED AND DEPTH PLACED BRIDGER CA CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERS ARE COVERS SILLING CONSTRUCTION CONSTRUCT	Well No.	
DISTRICT COUNTY Thing Material Used The Location Amount Packer Locat Plugs used and depth placed Bridger CA CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LUGATION RECOVERS COUNTY COUNTY Plugs used and depth placed CONSTRUCTION-LUGATION RECOVERS COUNTY CO		
The Location Amount Packer Location Plugs used and depth placed BRIDGER CA CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERE HOW THE PROPERTY OF THE PROPERTY O		
PLUGS USED AND DEPTH PLACED BRIDGES CA CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERE Amount Packer CA CA CA CA CONSTRUCTION-LOCATION RECOVERE CA CONSTRUCTION-LOCATION CONSTRUCTION	TO STATE OF THE PARTY OF T	
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VAN-		
I hereby certify I visited the above well on this date.		

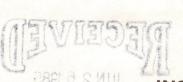
DISTRICT WELL INSPECTOR

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT OIL & GAS DIVISION

My 8: 109-8953 Just K	Efecal			Gas Well
Company Colot Diff Sas of Ul	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address Charleston WV.	Size			
Farm Meupley #5	16		-	Kind of Packer
Well No. # 3	13			Size of
District Odeona County ally 6	81/4			
Drilling commenced 3-/2-8st	65%			Depth set
Drilling completedTotal depth 3685	53/16			Perf. top
Date shotDepth of shot	2			Perf. bottom
Initial open flow/10ths Water inInch	Liners Used			Perf. top
Open flow after tubing/10ths Merc. inInch				Perf. bottom
VolumeCu. Ft.	CASING CEME	NTED	_SIZE	No. FTDate
Rock pressurelbshrs.	NAME OF SER	RVICE COMPA	NY	
Oilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES
Fresh waterfeetfeet	FEET_	INCH	ES	FEETINCHES
Salt water <u>feet</u> <u>feet</u>	FEET_	INCH	ES	FEETINCHES
Drillers' Names Century Dry Ca	By # Z			
Remarks: I wal Auspe Refer	ese.		1	
Remarks: I mal Auspe Refer Occess Road in V.	estated a	Dron	gui -	rechof
no work com more	pour to	Peolous	tion	374.7
6-21-83 Just Person			Muy C	DISTRICT WELL INSPECTOR

Form 26 2/16/82



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

MOISIVIG SAD & JIO

COMPANY			ADDRESS			
FARM		Digapion	ADDRESS (100
		DISTRICT_		COUNTY	* K	
Filling Material Used			White the said			
	ocation	Amour	Internal	21777		
	AND DEPTH PLACED	Amour		1	cation	de agus
CEMENT-THICKNESS	T		BRIDGES	CASIN	G AND TU	BING
CLIVIENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
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	and the state of t	X1 (1943)	All the second second			
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rillers' Names						
lemarks:						
	11/11/11/11					
Belled	23612247					
I	hereby certify I visit		ll on this date.			
DATE						

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION

OIL & GAS DIVISIO

INSPECTO	R'S WELL	REPOR	DEPT. C	F MIN
Permit No/09-0953 Status -		Violation	Oil or	r Gas Well C
Company Cofol Oil Flas	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PA
Address Charleston WU.	Size			2-2
Farm CW Murph.	16	A		Kind of P
Well No C = 5	13		And the second	
District Bolona County Wyom	10 Cey 81/4			Size of
Drilling commenced	65%			Depth set.
Drilling completedTotal depth	5 3/16			
Date shotDepth of shot	32			Perf. top_
Initial open flow/10ths Water inInch	Liners Used			Perf. botto
Open flow after tubing/10ths Merc. inInch	1			Perf. botto
VolumeCu. Ft.	CASING CEMENT	TED	CITE	37 - TOM
Rock pressurelbshrs.	NAME OF SERV			No. FT
Oilbbls., 1st 24 hrs.	COAL WAS ENCO	OUNTERED A	т	- Ella
Fresh waterfort	FEET		SF	
Salt waterfeetfeet	FEET_	INCHES		EET_
Drillers' Names Century Drg Co Rig.	#2			EE1
Remarks				
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11- to day Delasthe to	Book	1-60 00	1 Ann	

waiting for Weather to Book fell set areas. Council give abaturet this Late

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

MORPHS 200 & INSPECTOR'S PLUGGING REPORT

	2 1936	Enter organismoning outs' strategister armony protein the strategister and		We	II No	
OMPANY			ADDRESS	nak hidaras hidaga ang mining galanne y hasiligang hidari engglanes i siki ni mining		
ARM		DISTRICT	(COUNTY		
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illing Material Used						
ner I	ocation	Amount				
		Amount	Packer	Location		
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CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOS
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the second section of the continue of the cont						
		- Andjalog are have a supply desperate of				
lers' Names						And the second s
narks:						ż
iarks:						
***	I hereby certify I vi	sited the share	yearl on this last			
DATE	ceruity t vis	siten the above	well on this date.			

DISTRICT WELL INSPECTOR

1A-21 Ceeyo.

RECLEMENT VIRGINIA DEPARTMENT OF SE WERRY OIL AND GAS WELLS DIVISION

ALLIA OPSINSPECTOR	R'S WELL	REPORT	Г		
Wy0-109-0952#4 8	-1 1	1 1			2/
Flu	al Role	resol	Oil or	Gas Well	as
Company Cabol Of G. SUN.	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKE	RS
Address Malaston W.	Size				
Farm Markley	16			Kind of Pack	er
Well No. C - 45 C - 5	10			Size of	
District County County County County	1 thing				
Drilling commenced	64/8			Depth set	
Drilling completedTotal depth	5 3/16				
Date shotDepth of shot	3			Perf. top	
Initial open flow/10ths Water inInch	Liners Used			Perf. bottom_ Perf. top	
Open flow after tubing/10ths Merc. inInch				Perf. bottom_	
VolumeCu. Ft.	CASING CEMEN	TED	_SIZE	No. FT	Date
Rock pressurelbshrs.	NAME OF SERV				
Oilbbls., 1st 24 hrs.	COAL WAS ENC	COUNTERED A	т	FEET	INCHES
Fresh waterfeetfeet	——FEET_	INCHE	S	FEET	INCHES
Salt waterfeetfeet	FEET_	INCHE	S	FEET	INCHES
Bros Real	almati	9ún			
Remarks:					
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gross has not the	Started	1 to 6	7		
Connot pas the gross has not by evill easper	fæa	Cole	1	1	
9-18-85		Mes			
DATE		- Anny	ar C	STRICT WELL INEP	ECTOR

INSPECTOR'S PERMIT SUMMARY FORM

(1-11-85)

WELL TYPE GAS		API# 47- /69	- 0953
ELEVATION 2024	0.	PERATOR CABOT	0953 01668
DISTRICT OCCANA	T	ELEPHONE	
QUADRANGLE OCCANA	F	ARM_SIMON	Fork LAND
COUNTY WYOM NO.	W	ELL # C-5	
000111	7		
SURFACE OWNER Sim m 6	N FORK COMME	NTS	TELEPHONE
TARGET FORMATION B-	CIMO DATE	APPLICATION RECE	IVED 1-11-85
DAME CMADMED			
LOCATION 1-26-85	NOTIFIED/	- 26 -85 DRILLI	NG COMMENCED 3-11-
WATER DEPTHS 1201			
COAL DEPTHS 5/6	· 508 · -	1,0651,	
		ING	97 CV. CV.
Ran 36 feet of	f	oe on 3-11-85 wi	th CXS fill up
Ran 2036 feet of	f83g"pip	oe on 3-18-85 wi	th C+S fill up
Ranfeet or	f''pip	oe onwi	thfill up
Ranfeet or	f'pip	oe onwi	thfill up
			OIL AND GAS
TD 3703 feet of	n 5-12-85		
	PLUG	GING	MAY 5 1986
Type	From	То	Pipe Removed
		1-12/2/	al . D 5
Pit Discharge date:		pe 5010/ W	Ster Resources
Field analysis	ph	fec	
Well Record received_			
Date Released 5-/	- 85		
		00	01

API# 47/09 - 0953
LIST ALL VISITS FOR THIS PERMIT
Century Eng Reg #2

DATE	TIME	PURPOSE	COMMENTS
1-26-87	Dale	Bra Con	merce grode wak
2-15-85		s almost	
3-11-85	Century	morely or	u location
3-18-85	Run De	040 of 85/8	C/5 Heleburlon
4-6-85	alf u	ock complet	pit & Dig.
TO 1904			
3.22	[V]		
		7	

FERC-121

1.0 API well number: (If not available, leave blank. 14 digits.)	Local School Services	_47- 1	09_ 0953		
2.0 Type of determination being sought: (Use the codes found on the front of this form.)		TO3 N/A Section of NGPA Category Code			-
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	- 100 CT 31	3685 feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	ivame	0il & Gas (Box 628	Corporatio	n of W.Va. WV 25322 State Zip Code	
 5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.) 	Oceana Field Nam Wyomir County	е	9 (50.00 B)F (1)		- Andrews
(b) For OCS wells:	Area Name	Date of Lea	sse:	Block Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	C. W. Murphy C-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.)	Tenne	018629			
(b) Date of the contract:	1, 0, 0, 2, 8, 0, Mo. Day Yr.				
(c) Estimated annual production:				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: Agency Use Only Date Received by Juris, Agency MAY 2 1 1985 Date Received by FERC	Name Signature May 21	1985	Ulata	Regional Drilling Title (304) 347-1600 Phone Number	Manager % Production

JUN 14 1985

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: May 21 ,19 85 8150	AGENCY USE ONLY
Applicant's Name: Cabot Oil & Gas Corporation of WV	WELL DETERMINATION FILE NUMBER
Address: P. O. Box 628	850521 -1030 - 109- 0953
Charleston, WV 25322	
Gas Purchaser Contract No. GSC151	Use Above File Number on all Communications Relating to This Well
Date of Contract 10/2/80 (Month, day and year)	
9627	Designated Agent: H. Baird Whitehead
First Purchaser: Tennessee Gas Pipeline Company	Address: P. O. Box 628
Address: P. O. Box 2511 (Street or P.O. Box)	Charleston, WV 25322
Houston, TX 77001 (City) (State) (Zip Code) FERC Seller Code 000728	FERC Buyer Code 018629
NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERN	ING THIS APPLICATION SHALL
BE ADDRESSED: Name: Ed Hindman	Regulatory Assistant (Title)
Signature: (Print) Hidna	(11010)
Address: P. O. Box 628 (Street or P.O. Box) Charleston WV (City) (State) (Area Code) (Phone	000
(Certificate of Proof of Service to Purch Copy sent to Purchaser by Certified Mail P753 27 NGPA Catagory Ap	on $\frac{May}{21}$, 1963.
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 X 103 New Onshore Production Well 107 High Cost Natural Gas	108 Stripper Well Natural Gas 108- Stripper Well 108-1 Seasonally Affected 108-2 Enhanced Recovery 108-3 Temporary Pressure Buildup
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 107-7 Recompletion Tight Formation MAY 2 1 1985 OIL & GAS DIV. DEPT. OF MINES	QUALIFIED

Date Received

Determination Date

WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION Operator's C. W. Murphy C-5

API Well No. 47 - 109 - 0953 | Permit

WELL CLASSIFICATION FORM

NEW ONSHORE PRODUCTION WELL

NGPA Section	103
	DESIGNATED AGENT H. Baird Whitehead ADDRESS P. O. Box 628
ADDRESS P. O. Box 628 Charleston, WV 25322 GAS PURCHASER Tennessee Gas Pipeline Company	Charleston, WV 25322 LOCATION: Elevation 2024 Watershed Simmons Fork of Clear Creek Dist. Oceana County Wyoming Out Mathematical County Cou
Houston, TX 77001 D.	eter Chart Code N/A ate of Contract 10/2/80
Date surface drilling was begun: 3/15/85	* * * * * * * * *
Indicate the bottom hole pressure of the well and	
BHP = P ₁ + P ₁ (eGL/53.34T ₋₁) P ₁ = 480, T = 82/9 G = 0.64 L = 2172,	W FBL /755 PSIA BHP = 506/819 PSIA /3346
surface drilling of the well for which this determine 1977; the well satisfies applicable state or federal within a proration unit, in existence at the time surface in commercial quantities or on which surface drilling the best of my information, knowledge and belief, the application which is inconsistent with this conclusion.	which applied to any other well producing gas
	Al Bond & Statud
Given under my hand and official seal thi My term of office expires on the 5th da	Ol same before me, in my county aforesaid
[NOTARIAL SEAL]	Horen Public

FERC-121

1.0 API well number:	T					
(If not available, leave blank. 14 digits.)		47- 1	09 _ 0953	1		
2.0 Type of determination being sought: (Use the codes found on the front of this form.)		107TS Weir 107TS Big Lime 6 Section of NGPA Ravencliff Category Code				
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	1,4-1,7	and the speciments	0.005		feet	
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	P. O. Street Charl	Box 628	Corporatio	on of t	W.Va. 25322	000728 Seller Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Ocea Field Na Wyom County	ime		State	Zip Code . WV State	-
(b) For OCS wells:	Area Na			OCS I	Block Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	C. W	. Murphy C-	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.)	Tenne	essee Gas P	ipeline Co			018629
(b) Date of the contract:			1 0 0 2 Mo. Day	2, 8, 0, Yr.		Buyer Code
(c) Estimated annual production:					MMcf.	
7.0 Contract price:		(a) Base Price (S/MMBTU)	(b) Tax	Price	Il Other s [Indicate r (-).]	(d) Total of (a), (b) and (c)
(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: Agency Use Only Date Received by Juris. Agency MAY 2 1 1985 Date Received by FERC	Signature May 21	nd Whitehead No. 1985 Cation is Complete	ledy	(304) 3	egional Marilling & Fitte	lanager Production

FT7900806/2-2

JUN 14 1985

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: May 21 ,19 85	8150	AGENCY USE ONLY 7/
Applicant's Name: Cabot Oil & Gas Co	rporation of WV	WELL DETERMINATION FILE NUMBER
Address: P. O. Box 628		
Charleston, WV 25	322	850521 -1076-109-0953
Gas Purchaser Contract No. GSC151		Use Above File Number on all Communications Relating to This Well
Date of Contract 10/2/80 (Month, day and		
(violiting day and	\$627	Designated Assets to be a second
First Purchaser: Tennessee Gas Pipe	line Company	Designated Agent: H. Baird Whitehead
Address: P. O. Box 2511		Address: P. O. Box 628
(Street or P.O. Box) Houston, TX 77001		Charleston, WV 25322
(City) (State) FERC Seller Code 000728	(Zip Code)	FERC Buyer Code018629
NAME AND TITLE OF PERSON TO WHOM QU BE ADDRESSED:	ESTIONS CONCERNI	
Name: Ed Hindman		Regulatory Assistant
Signature: (Print)	Airline	(Title)
Address: P. O. Box		
(Street _Charlesto	or P.O. Box)	25322
Telephone: (City) (304 (Area C) 347-160	00 (
(Certificate of Proof of S	ervice to Purcha	con)
copy sent to Purchaser by Certifi	ed Mail <u>P753 2</u> GPA Catagory App	24 785 on May 21 1985
NGPA SECTION/SUBSECTION		
102 New Natural Gas		108 Stripper Well Natural Gas
102-2 2.5 Mile Test 102-3 1000 Foot Deeper Test		108- Stripper Well
102-4 New Onshore Reservoir		108-2 Enhanced Recovery
103 New Onshore Production Well 103 New Onshore Production We	3 11	108-3 Temporary Pressure Buildup
107 High Cost Natural Gas		
107-0 Deep (more than 15,000	feet)	AGENCY USE ONLY
107-2 Coal Seams 107-3 Devonian Shale		Q
107-5 Production enhancement		
X 107-6 New Tight Formation(We DECE Temperation Tight For	ir,BigLime,Rvcl) mation	
100		QUALIFIED
MAY 2 1 1985		
OIL & GAS DIV. DEPT. OF MINES		
,		

Date Received

Determination Date

- DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date May 2 Operator &. W. Murphy C-5_ API Weil No. 47 County Permit

HIGH COST GAS WELL-NEW TIGHT FORMATION

HIGH COST GAS WELL-NEW TIGHT FORMATION
NGPA Section 107
MGPA Section 107 DESIGNATED AGENT H. Baird Whitehead P. O. Box 628
Charleston, WV 25322
2024 Elevation 2024
WELL OPERATOR Cabot Oil and Gas Corp.of W.Va. LOCATION Elevation 2024 Watershed Simmons Fork of Clear Creek Watershed Simmons Fork of Clear Creek Oceana County Wyoming Quad. Matheny
WELL OPERATOR Cabot 011 and Gas corpt Watershed Stimions Wyoming Oceana County Wyoming Ouad Matheny
Abbress Observer, WV 25322
Contract No.
ADDRESS P. O. Box 2511 Meter Chart Code N/A 10/2/80
ADDRESS P. 0. Box 2511 Houston, TX 77001 Date of Contract 10/2/80
Houseons
3/15/85
Date surface drilling began 3/15/85 Indicate the bottom hole pressure of the well and explain how this was calculated. RVCL WEBL RVCL PSIA RVCL WEBL BHP = PSIA SD6/819
Indicate the bottom hole pressure R_{VCL}/V_{FS} BHP $SD6/819$
$P_{-} = P_{-} + P_{1}(eGL/53.341-1)$ $T_{-} = 82$
G = 0.63 L = 2172/3346
L = 21/L/3270
AFFIDAVIT Paul L. Gebhard , having been first sworn according to law, state that, surface having been first sworn according to law, state that, surface tilling of the well for which this determination is sought was begun on or after July 16, 1979, the gas is being designated tight formation and I have no knowledge of any information not described in the application and designated tight formation and I have no knowledge of any information natural gas well.
having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn and after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having been first sworn after July 16, 1979, the gap having begin after the gap having begin after the gap having begin first sworn after the gap have begin first sworn after the gap have have begi
drilling of the well for which this determination is sought was begun on or after July 16, 1979, the gas is begun of the well for which this determination is sought was begun on or after July 16, 1979, the gas is begun of the well for which this determination and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as thigh cost natural gas cation which is inconsistent with a conclusion that the well qualifies as the conclusion that the well qualifies are the conclusion that the conclusion t
produced from a designated tight formation that the well duty
cation which is inconsistent
STATE OF WEST VIRGINIA.
STATE OF WEST VIRGINIA. COUNTY OF Kanawha TO WIT: Lorene Miller , a Notary Public in and for the state and county aforesaid i. Lorene Miller , a Notary Public in and for the writing above, bearing date do certify that Paul L. Gebhard , whose name is signed to the writing above, in my county Alst May , 19 85 , has acknowledged the same before me, in my county
Lorene Miller , a Notary land to the writing above, bearing date
do certify that Paul L. Gebhard whose name is signed to the writing above, the $\frac{21\text{St}_{day}}{day}$ of $\frac{\text{May}}{day}$, $\frac{85}{19}$, has acknowledged the same before me, in my county $\frac{21\text{St}_{day}}{day}$ of $\frac{85}{day}$.
do certify that May 19 80, has acknowledge
the $\frac{215t_{\text{day}}}{\text{of}}$ of $\frac{215t_{\text{day}}}{\text{of}}$ May $\frac{1900}{\text{o}}$.
aforesaid. March 19 89
the 21st day of May
My term of billed
Lorenzation
My term of office expires on the 5th day of Notary Public
Notary Public
[NOTARIAL SEAL]



8150

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Date: 3-18-85	of A cold of
Well No: C-5	00000
API NO: 47 - 109-095	>
State County Permit	X 25.74

OIL & GAS DIVISION OIL and Gas Division DEPT. OF MINES NOTICE OF VIOLATION

MOTICE OF VIOLATION
WELL TYPE: 0il/ Gas/ Liquid Injection/ Waste Disposal/
Of "Gas" - Production / Storage / Deep / Shallow
LOCATION: Elevation: 2024 Watershed: Clean fork- Gayan
District: Oceana County: Cuy Oshum Quadrangle: Mathyrey 7.5
WELL OPERATOR Cobot, Och Silver of State of Agent DAUID G-McClusky
Address PO, Box 628 Address PO, Box 628
Charleston, WV. 25322
The above well is being posted this 18 day of 200, 1985, for a
violation of Code 22-4- 2 and for Regulation 23:04, set forth in detail as follows:
(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)
24-4-12B-SecHON23)
23.04 - 52305 5
failure to Control Run off at Well Head Sooking into ground going in Small Stream Einto Cleafork
A copy of this notice has been posted at the well site and sent by certified or
registered mail to the indicated well operator or his designated agent.
You are hereby granted until man. 24, 1985, to abate this violation.
Failure to abate the violation may result in action by the Department under
Code 22-4-17 or Code 22-4-18.
allowe St. Clair (507)
Oil and Gas Inspector
Address BRCNton, WV 24818

Telephone: 732



STATE OF WEST VINGINIA DEPARTMENT OF MINES

5120 - 801 - FD 100 19A

State County Permit	OIL & GAS DIVISION
Mislou	DEPT. OF MINES II and Gas D
warman in	NOTICE OF VIC
NOTIFICE	WELL TYRE: OIL
/ Waste Disposal / /	WELL TYRE: 011 / Gas / Liquid Injection
/ Deep / Shallow	10cATION: Flevation: 2 AJA Water bod
Letter ouad angle Whether 7.5	District: Ode de 11 Country. Cou
CY TANGENT SIGNED BY WELL STATES	WELL OPERATOR CARE CONTROL
FIRMANIA CITARE WAS COLOR	Address 40,00 1 28
State Clant Scann	Chrolisten Hill
Cherling Will 2000	Address PO, Con La Service And La Service And La Service All La Service And La Se
# (BLD SECTION CONTROL SEC	있는 것이 경험하게 되었다. 전에 가장 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은
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	Well bead Sooken
the way to be a	going in Small St.
Come lanto Chembers	ma Branes and timesty
	A copy of the principal form
	The second secon
bir de and sent by certified or	registered mail to the indicated well operator or You are hereby granted until
ors designated agent.	You are hereby granted until Tailure to abate the violation may receive the
1982, to abate this violation.	Tailure to abate the violation may
action by the Department under	Failure to abate the violation may result in Code 22-4-17 or Code 22-4-18.
112 112 12 12 12 12 12 12 12 12 12 12 12	
Dist and Ges Inspector	
The air act of the second	
X Formal Management Ret	Address

Telephone: 172 cm 2020

FORM IV-300 MAR 2 7 1985
9-83

OIL & GAS DIVISION
DEPT. OF MINES

Date: 3-25	-85	
Operator's Well Number_ API Well No.: No. 47	109	-0955
State	County	Permit

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OFFICE OF OIL AND GAS

ORDER FOR FAILURE TO ABATE VIOLATION

OIID ZIV	
to the second se	
WFIL TYPE: Oil/ Gas	Waste disposal
WELL TYPE: Oil Gas Liquid Injection	The state of the s
If "Gas" - Production Storage	ep Shallow
OCATION: Elevation 2024 Watershed:	1140 Quadrangle: Octong-Molho
District: District:	240 - Quadrangio.
WELL OPERATOR Cobot O School Will J	5322
Address Doy 6 to the transfer to	
DESIGNATED AGENT: DAVID & McChusky.	
Address: O Comb	is inspector has made a special inspection of the above-named well
Notice is hereby given that the undersigned authorized oil and go	2 18 05
on MARCH 23 1980 Ret 18Whow	19 83 by Form IV-27, "Notice of
The violation of Code 22-4-128, "Imminent Danger Order" Violation", Form IV-28, "Imminent Danger Order" In the violation of Code 22-4-128 has parameter for the followed by the parameter for the followed by the	of that date has not been totally abated and it has been deter-
Violation", Form IV-28, Imminent banger order mined that no further extension of time should be permitted for the following that the following should be permitted for the following that the following should be permitted for the following should be permitted fo	wing reasons:
mined that no further extension of time should be permitted. (USE REVERSE SIDE OF TH	IS ORDER IF NECESSARY)
(USE REVENSE SIDE OF THE	. 1 1 - 1.7 8
failure to pump out Coneat leak age ento	Leokeng per
1. D. to Dump our	
facture -	ct.
100 a ento	Ollow -
Compat leak age	
Could to	N+1 P.
Sedenation pollution	- Delah Lins
Dedenation	
3 Baniers out.	
Danters Our.	
	U acceptor in hereby ORDERED:
Therefore, in accordance with the provisions of Code 22-4-1g, the	well operator is fully abated.
To continue cessation of operations until the initial	mion dang
To cease further operations until the violation has	s been fully abated. pal operator, owner, or lessee may apply for review of this Order within 15
In accordance with Code 22-4-1h, a well operator or complaining to	oal operator, owner,
days of the date of this Order.	1 100 1 - 12 2 - 1
	Oil and Gas Inspector
	R. 1410
PURCHASER:	Address: 100% 100 100 100 100 100 100 100 100 10
Address	- DKONTO WISCONIA
Addioso	Telephone:
	the state of the s

(Copies of this ORDER have been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.)

OIL & GAS DIVISION

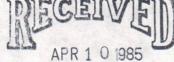
DEPT. OF MINES

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OFFICE OF OIL AND CAS

CRIDER FOR FAILURE TO ABATE VIOLATION

	WELL TYPE 0
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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Address
25 C (10 mark	ESIGNATED AGENT
	Address
given that the precisioned authorized oil and das inspector has made a special inspection of the above-named well	1 199 Ch 2
lew baman-avode and to non-section to the section of the section o	7311210471
ode 17 170 Aleratoriore forund to exist on	The violation of Sc
1. Form IV 28 "Himmingh Danger O der" of that date has not been totally abared and it has been deter-	
extension of time should be permitted for the following reasons	A Johnson Services
IUSE REVERSE SIDE OF THIS ORDER IF NECESSARY)	
TO THE TENEDS AND THE	
the first of the second	
1 To During out fleating plan	JOB CREEK
A STANDARD OF THE STANDARD OF	+
FORK OSC MAN - DAM DESCHOOL	193000
with the fully so the second	SAINE V
Willes John Strain	
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and the second of the second o	1.00
rdance with the provisions of Code 22.4-1g, the well operator is hereby ORDERED:	nopae ni , expleteni.
o continue cessation of research and the well operator is hereby OROERED:	
e continue cessation of operations until the imminent danger is fully abased.	
a cease further operations until the violation has been fully abated.	in accordance with
Code 22 4 1h, a well operator or complaining cost operator, owner, or lessee may apply for review of this Order within 15.	of the date of this
The same to the sa	
1 lod level X 2 rustful	
Oli and Gas Inspector	
Address Addres	Address
TREMFOR DIVITARIT	

FORM IV-31 9-83



Date: _ Operator's Well Number API Well No .: County State



OIL & GAS DIVISION

DEPT. OF MINES

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

NOTICE OF ABATEMENT

		,						211
WELL TYPE:	Oil/ Gas.	Liq	uid Injection	/ Waste	disposal/			To
	If "Gas" - Product	tion —	Underground Storage	/ Deep	/ Shallow			
LOCATION:		24	Watersh	ned:	LEAR FO	OPK	ann	****
	District: OCE	ANA	County:	wyo	ming	_ Quadrang	me Lush	VA
WELL OPERATOR	Cabot C	114590	2	DESIGN		0-	11/4/2050	9
Address	Chaples	ton, W	V.		Address _	SA	me	
Notice is here	eby given that th	e undersigne		and gas ins	pector made a s	special insp	ection of the a	bove named well
The violation of	of Code § 22-4	-128	heretofore foun	d to exist on	data has been tota	ally abated	If the abated viola	ation was found by
of Violation"	/ Form IV-28,	'Imminent Da	nger Order	/ of that	v rescinded and	the well one	erator is hereby no	otified that he may
an Imminent Dange resume operations.		perations to c	ease, such require	ment is nere.	y resemiada, ama			
COMMENTS								
Commen	-	1	- 1	6"	Well	111	oLala	
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AbAte	ed t	115	DAte	-				
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	die bee been	ested at the	well site and sent	by certified	or registered mail	to the indic	ated well operate	or or his designated
	s notice has been p	osteu at the	Well site and bene					
agent.					n Cas	101	12 - 12	61
				_	mother!	C) Sq.	Gas Inspector	7
						1	Jas mspector	
				Ad	dress Boy H			
					BRC	hoth	1 my 1. 21	18/8
					M	22-1	MCOG	
				Te	ephone	24-0	2	

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FORM IV-31



OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA

	Viola	, OIL AND GAS DIVI	RATMENT OF MINES	1930	
		ABATEMENT	NOTICE OF		
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by Form 17-27, "Notice I violation was found by	19-85.	has inspector meds a sexist on $3 + 8$ of that date has been totally is rightly rescinded, and 4	ared authorized oil and to percofore found to Danger Order	y given that the under 19 8 Code is 22 = 4 - /2.2	Nouce is herebon Physical Phys
	VIOLA	12.3W	in tig	Food d	COMMENTS
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1907		n ilam perenajar io battina 2 AUALO		otice has been posted at ti	A copy of this eagent
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