



1)	Date:	March	21	, 19_	85	01.22.20
21	0					

Operator's Well No. Mead #1

3) API Well No. 47 -

47 - 105 - 1173 State County

Permit

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

					DEPA	RTMEN	r of mines, oil	AND GAS DIVISI	ON	
	0	L & GAS	DIVISI	ON	Al	PPLICAT	ION FOR A WELL	L WORK PERMIT		
4)	WELETY	PE: A Oi	MI	NES	as	X/				
				Production	n		_/ Underground s	torage	/ Deep	_/ ShallowX/)
5)	LOCATIO	N: Elev	vation: _	860) '		_ Watershed:	Burning Sp	rings of Litt	le Kanawha River
										Burning Springs
6)	WELL OP	ERATOR_	Cabot	0il 8	& Gas	Corp.	of WV	7) DESIGNATED	AGENT David	G. McCluskey
	Address		Box				8150	Address	P.O. Box 628	
		Char	rlesto	n, Wes	st Vi	rginia	25322		Charleston,	West Virginia 2532
8)	OIL & GA	S INSPECT	OR TO	BE NOTI	FIED			9) DRILLING CO	NTRACTOR:	
	Name _ H	lomer Do	ougher	ty				Name UNK	NOWN	
	Address	Line	den Rt	., Box	(3-A			Address		
		Loor	neyvil	le, WV	25	259 9	27-4591			
(0)	PROPOSE	D WELL V	VORK:	Drill	X	_/ Drill	deeper	/ Redrill	/ Stimulate	¢ /
,								ite new formation_		
							well (specify)			
11)	GEOLOGI	CAL TARC	GET FOR				nale @ 3445'			
	12) Estima					4500				
	13) Appro							None	feet.	
	14) Appro					None	Is coa		area? Yes	/ No X /
	CASING A					Home	13 000	n being innied in the	area: res	
	SING OR	II I CBII		CIFICATIONS	c		FOOTAGE IN	TEDVALS	CEMENT FILL-UP	PACKERS
	BING TYPE			Weight	1				OR SACKS	FACRERS
		Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	OTC
Cond	luctor	16		65	X		30'	and the second s	10 sks. Neat	
Fresh	water	9-5/8		36	X		350'	350'	110 sks. Nea	
Coal										Sizes
Inter	mediate	7		20	X		1950'		300 sks. Nea	
Prod	uction	4-1/2		10.5	X		4500°	4500'	125 sks. or	
Tubii	ng							graduation of the control of the con	as req. by R	ule 15.01
Liner	S									Perforations:
										Top Bottom
				10.4				AND MARKET STATES		2
		•				(OFFICE USE C	NLY		
						J	DRILLING PE	RMIT		
		47-	105-1	173					An	ril 11, 19 85
ern	nit number_	47	105 1	1/3				-	Dat	
El.:			11		1 1 1 2 2 2 4 1 1	b	halouria auidamaa a	f manufacion ananta		
										ce with the pertinent legal re- and Gas Inspector, (Refer to
No.	8) Prior to t	he construct	ion of ro	ads, locati	ons and	pits for a	ny permitted work.	In addition, the we	ell operator or his con	tractor shall notify the proper
listr	ict oil and g	as inspector	24 hour	s before a	ctual pe	rmitted w	ork has commenced	1.)		
The	permitted w	ork is as de	scribed in	the Notic	e and A	pplication	n, plat, and reclama	tion plan, subject to	any modifications a	nd conditions specified on the
	rse hereof.									to being its Accounted
Pern	nit expires _	Apr	il 11	, 1987			unless well	work is commenced	prior to that date and	prosecuted with due diligence.
P.	ond:	Agent		Plat:	Casir	19	Fee			
B	onu.	O.		1001	Lasii		940			1
-	30	SW	1	141	M	11/6		N	, 1	1 1
-							/	1 large	aret 111	Sasse
								The contract of	nistrator Office of O	il and Gas

09/29/2023

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

	0	FI	FI	C	F	II	S	F	0	N	1.	7
50									v			

PERMIT MODIFICATIONS AND CO	ONDITIONS (IF	ANY) TO THE	PROPOSED	WELL WORK
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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	Follow-up inspection(s)		
Well work started	Tungar ovacaliza		
process	eduas ou anna paole de la sala de la como persona de la como persona de la como de la co		
Well Record received	as only position of the section of t	essible and at late can as included	
Reclamation completed	or torodak mga nodamatera ban isla nome sidak ban ila n	ned and the state of the Comment of	
OTHER INSPECTIONS			
Reason:	1 MA 18840 / Sando	th . 198 02	

1) Date: March 21

2) Operator's

Well Nc. Mead #1 3) API Well No.

State

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

MOTO	OF	APPLICATION	F05	3			
		PL-TICATION	FUR	A	WFI.I.	W()RK	PLUMIT

		NOTICE	OF APPLICATION	FOR A WELL	WORK PER	MIT		
	Name Ho	NER(S) OF RECORD	TO BE SERVED		COAL OP	ERATOR	NOT OPERA	ATED
(ii)	Name 0.	3919 10th Avenue Parkersburg, WV M. Belt 910 Pike Street Parkersburg, WV	26101	5(ii)	COAL OWN Name Ca Address	bot Oil	& Gas Con	ARATION ON REA
(iii)	Name Address	3			Name Addres	ss		
٠.				5(iii)	COAL LES Name Addres		H DECLARA	TION ON RECOR
		(1) The Applicat to be plugge and describe cementing pr (2) The plat (su (3) The Construct plug a well) reclamation	rveyor's map) showing tion and Reclamation P. , which sets out the p. for the site and access	emit on Form IV- parties involved ation and, if ap- the well location lan on Form IV-9 lan for erosion as a road.	2(B) (or Form in the drill plicable, the n on Form IV-)unless the	IV-1 if the ing or other proposed of and well work is control and	e well is r work, asing and s only to	
	_	MILLI ARE SUPPARIZED	ECEIVED THESE DOCUMENTS IN THE "INSTRUCTIONS" (4, DESIGNATED FOR YOU.	N THE REVERSE ST	THE OF THE COL	W OF THE ST	DT TOTAL	

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.

Telephone

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

David G. McCluskey this21 day of 19 85 March My commission expires March 5 , **19** 89 WEJJ OPERATOR CABOT OIL & GAS CORPORATION OF WV

(304)

Drilling Superintendent Address P.0 Box 628 rleston WV

347-1600 **09/**

00

Notary Public, Kanawha County, West Virginia

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. Ecwever, see also Code § 22-4-lb(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-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 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-lm, 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—

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

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
W.O. Meade et ux	Godfey L. Cabot	1/8	50 221

(CURRENT ROYALTY OWNER)

Cabot Oil & Gas Corp. of WV

09/29/2023

IV-9 (REV 8-81) (REV 8-81) (REV 8-81)

PAGE REF. MANUAL



DATE January 30, 1985
WELL NO. Mead #1

API NO. 47

State of Mest Birginia

Gil and Gas Bivision

Construction and Reclamation Plan

	(1854) 뉴스 이번 마스 (1964) - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1964 - 1
COMPANY NAME Cabot Oil & Gas Corporation of W	V DESIGNATED AGENT David McCluskey
ADDRESS P.O. Box 628, Chas. WV 25322	ADDRESS P.O. Box 628 Chas. WV 25322
ADDRESS P.O. Box 628, Chas. WV 25322 TELEPHONE 304-347-1600	TELEPHONE 304-347-1600
LANDOWNER Hollie P. Buffington & O.M. Belt	SOIL CONS. DISTRICT Little Kanawha
	400000000000000000000000000000000000000
Revegetation to be carried out by Com	pany Contractor (Agent)
This plan has been reviewed by Little Kan	anha SCD. All corrections
and additions have become a part of this plan	
	(Date)
FFR 1 4 1985	March II + Cothing
	(SCD Agent)
	(Bub ingent)
ACCESS ROAD	LOCATION T
	7 ≥ 2
STRUCTURE Ditch Relief Cross Drain (A)	STRUCTURE ((1)
	7 8 A G
SPACING Per Plan	MATERIAL
DAGE DEE MANIAL 2 1 2 2 2 2 2 4	PAGE REF. MANUAL STRUCTURE Diversion
PAGE REF. MANUAL 2-1, 2-2, 2-3, 2-4	FAGE REF. HANUAL
STRUCTURE Culverts (B)	STRUCTURE Diversion Z 2 (2)
BIRDGIDKE COLVELCS	Maria and a second a second and
SPACING Per Plan	MATERIAL Soil
PAGE REF. MANUAL 2:7, 2:8, 2:9	PAGE REF. MANUAL 2:12, 2:13
STRUCTURE (C)	STRUCTURE Sediment Barrier (3)
SPACING	MATERIAL Straw Bales or Filter Fence

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.

PAGE REF. MANUAL

TREATMENT AREA I	Revegeta	TREATMENT AREA II	er.
Lime	Tons/acre	Lime	Tons/acre
or correct to pH 6.5	No continue to the continue to	or correct to pH 6.5	
Fertilizer 500	lbs/acre	Fertilizer 500	lbs/acre
(10-20-20 or equivalent	nt)	(10-20-20 or equival	ent)
Mulch Hay or Straw @11/2	Tons/acre	Mulch Hay or Straw @ 11/2	Tons/acre
	0 lbs/acre	Seed* Ky 31 Tall Fescue	40 lbs/acre
Redtop	5 lbs/acre	Redtop	5 lbs/acre
	lbs/acre	Take year is	lbs/acre
		The state of the s	17 J. St.

*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.

Cabot Oil & Gas Corporation of WV

ADDRESS P.O. Box 628

Charleston, WV 25322

PHONE NO. (304) 347-1600

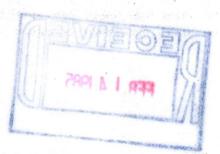
2:16, 2:18, 2:19

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

LEGEND

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

PHOTOCOPY ATTACHED



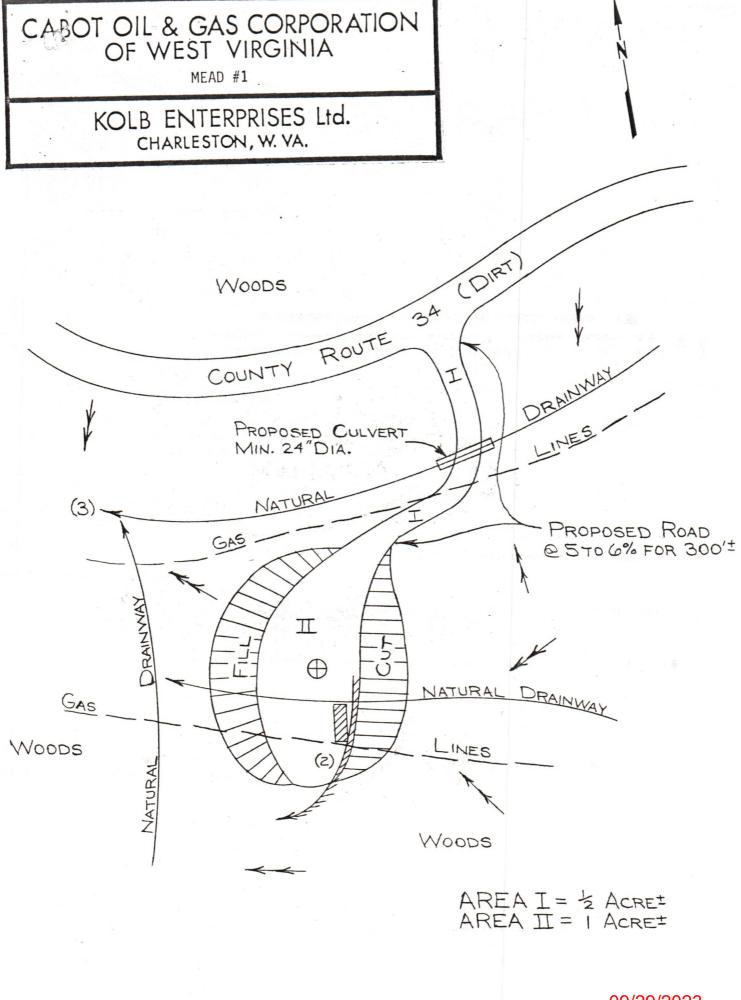
WELL SITE PLAN

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 0 DRILLING PIT 77777 WELL LOCATION EXISTING ROAD PROPOSED ROAD DIVERSION PROPERTY BOUNDARY PROPOSED FENCE -EXISTING FENCE SPRING STREAM OPEN DITCH WET SPOT BUILDING DRAIN PIPE CULVERT WATERWAY 2 SLOPE OF LAND RIP RAP

SKETCH ATTACHED

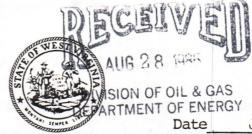
COMMENTS:	Ditch Relief Cross Drains to be installed as an integral part of the reclamation
	process and shall be spaced in accordance with Table I on page 2-4 of the erosion
_	and sediment control manual and shall be based upon the as-built slopes of the
	final road configuration.
•	Portions of existing/proposed roads which are located in "solid" rock shall not
	require ditches and/or cross drains, unless otherwise warranted by field
	09/29/2023 conditions.
_	
_	



09/29/2023

(Rev 8-81)

WELL TYPE: Oil



July 24, 1985 Operator's #1 Mead

(Continue on reverse side)

DIVISION OF OIL & GAS

Operator's

DEPARTMENT OF ENERGY State of Mest Hirginia Well No. Bepartment of Mines

Bil und Gas Division

105 API No.47 -

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas x / Liquid Inject (If "Gas," Production / Underg	rou	/ Wast	e Disposa re/ Deep	l/ p/ Sha	ıllow_x_/)
LOCATION: Elevation: 860 Watershed					
District: Burning Spring County	Wir	tting spri	Ouadrangle	- Rurning	Springs
			Quadrangi	<u>Durning</u>	Spr riigs
COMPANY Cabot 0il & Gas Corporation of WV					
ADDRESS P.O. Box 628, Charleston, WV 25322		Casing	Used in	Left	Cement
DESIGNATED AGENT David G. McCluskey		& Tubing	Drilling		fill up Cu. ft.
ADDRESS P.O. Box 628, Charleston, WV 25322		Size			00. 20.
SURFACE OWNER SEE ATTACHED SHEET		20-16	20	20	10
ADDRESS		Cond.	30	30	10 sks.
MINERAL RIGHTS OWNER Cabot 011 & Gas Corp. of	WV	13-10"	375	375	105 also
ADDRESS P.O. Box 628, Charleston, WV 25322		9 5/8	3/3	3/5	125 sks.
OIL AND GAS INSPECTOR FOR THIS WORK Homer		8 5/8	3003 60	1007 60	105
Dougherty ADDRESS Linden Rt., Box 3-A Looneyville, WV 25259		7	1901.68	1901.68	425 sks.
PERMIT ISSUED April 11, 1985		5 1/2			
DRILLING COMMENCED 6/12/85		4 1/2	4330.92	4330.92	135 sks.
DRILLING COMPLETED 6/22/85		3			
IF APPLICABLE: PLUGGING OF DRY HOLE ON		2x 1½	4250	4250	
CONTINUOUS PROGRESSION FROM DRILLING OR		Liners			
REWORKING. VERBAL PERMISSION OBTAINED ON_		used			
GEOLOGICAL TARGET FORMATION PROVIDE Chall		-		1 2206 42	16 6
Depth of completed well 4357 feet					
Water strata depth: Fresh 70 feet			980 feet	10015	
Coal seam depths:	,			od in the	No
		15 COAL	being nune	a III tile	area? No
OPEN FLOW DATA				BS 4104	-4264
Producing formation Brown Shale & Devoni					
Gas: Initial open flow Mcf/d					
6 hr. Final open flow 641 Mcf/d					
Time of open flow between in			The second secon		
Static rock pressure 660 psig(surf			ent) after	hou	rs shut in
(If applicable due to multiple completi	on-	-)		00	12012022
Second producing formation		Pay	zone dept	_h	/29/2023 feet
Gas: Initial open flowMcf/d			tial open		Bbl/d
Final open flowMcf/d		Oil: Fin	al open fl	Low	Bbl/d
Time of open flow between in	iti	al and fi	nal tests	ho	urs
Static rock pressurepsig(surfa	ce i	measureme	nt) after_	hou	rs shut in

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

Perf shale 4104-4264' (20 holes). Breakdown w/250 gals 15% HCL @ 2050 psi. Injected 100 sks. 20/40 sand w/1,500,000 Scf N2. AIR 80,000 Scf/min. ATP 2,630 psi. ISIP 1780 psi, 5 min 1740 psi, 10 min 1710 psi, 15 min 1680 psi. Perf from 2112-2519' (17 holes). Breakdown w/500 gals 15% HCL & 27,000 Scf N2 @ 2760 psi. ISIP 1800 psi. Pumped 10,000 gals foam pad @ 40 BPM. Foam treated w/500 sks. 20/40 sand, 810,000 Scf N2, 26,100 Scf/min. T/F 137 bbls. S/L 94 bbls. AIR 11.6 bbls. ATP 2675 psi, 14 min 1790 psi.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET		MARKS ication of all fres
TOTAL TOTAL COLOR TOTAL CAN BOIL	TOP PELL	BOTTOM FEET	and salt water	r, coal, oil and ga
and & Shale	0	716		
Salt Sand	716	744		
shale .	744	790	formation, and a	
and	790	817		
hale	817	898		
alt Sand	898	1048		
and & Shale	1048	1248		
laxton	1248	1414	\$/0	
Shale	1414	1434		
Big Lime	1434	1608		
njun	1608	1629		
hale	1629	1644		
quaw	1644	1648		
hale	1648	2044		
Berea	2044	2050		3
			and professional contraction of the second	
Devonian Sands & Shale	2050	3326		
Brown Shale	3326	4316		
Shale	4316	4343		
Benson	4343	4348	and the second of the second	
Shale	4348	4357		
			e vestigation of	
			T.D. 4357'	
	a service and the			
		Charles on world		
			Line of the second	
		7.0		
			the same placement of the same of	

(Attach separate sheets as necessary)

	Cabot	0i1	&	Gas	Corpora	tion	of	West	Virginia	
in distance	Well						۸			
By:		Das	ni	12	4 ME	Clas	sk	2y	09/29/2023	
Date	e:	Jı	uly	24.	1985		7	1		

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."

Parmit No. 105-1173

GPATE OF WEST VIRGINIA

DEPARTMENT OF MINES



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Oil or Gas Well_____

					(KIP	(6)
Company Cales	toil - Yas Con	b.	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address Charle	eston, A. Va.		Size			
Farm Cabat O			16			Kind of Packer
Well No. Mead	#1		10			Size of
Distric Burning	pring County This	t	81/4			
Drilling commenced	•		6%			Depth set
Drilling completed	Total depth		5 3/16			Perf. top
Date shot	Depth of shot		2			Perf. bottom
Initial open flow	/10ths Water in	Inch	Liners Used			Perf. top
Open flow after tubing.	/10ths Merc. in	Inch				Perf. bottom
Volume		.Cu. Ft.	CASING CEMEN	NTED	_SIZE	No. FTDate
Rock pressure	lbs	hrs.	NAME OF SER	VICE COMPA	NY	
Oil	bbls., 1st	24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES
Fresh water	feet	feet	FEET_	INCH	ES	FEETINCHES
Salt water	feet	feet	FEET_	INCH	ES	FEETINCHES
Drillers' Names			10000,000000000000000000000000000000000			
Remarks: 5-30-85 - Ca	hot called goin	g to	start con	struction		
5-31-85 - los	hot called going hid up local going to drill	two	v cutting	ures do	ing co	nstruction ur, dozer

5-31-85 BATE Homes Hi Dougland 2023 of

Form 26 2/16/82

CIL & GAS DIRESON

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No.	a mod bad			V	Vell No	
COMPANY			ADDRESS			
			C			
Liner I	ocation	Amour	nt Packer	Loc	cation	
PLUGS USE	AND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
			2576	- de s		8000
				-		
		2				
				1 .		
				1		
				†		
		-		-		
Orillers' Names						
Jimiois idailles						
	·					
Remarks:						
*						

DISTRICT WELL ING

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

Permit	No/05-1173	
0 66 00000	TO I SHARE THE REAL PROPERTY OF THE PARTY OF	

DEPT. of MINES

Permit Ne.					Oil of	Gas Well	
Company Cobot C	Dil + Gas Con	D,	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACK	CERS
Address Charlesi	ton, W.Va,		Size				
Farm Cabot C	Dil + Gos		16			Kind of Pac	ker
Well No. Mead	#1		13			Size of	
District B. Spring	County Min	_	81/4				
Drilling commenced			6%			Depth set	
Drilling completed	Total depth		3			Perf. top	
Date shot	Depth of shot		2			Perf. botton	
Initial open flow	/10ths Water in	Inch	Liners Used			Perf. top	
Open flow after tubing	/10ths Merc. in	Inch				Perf. bottom	
Volume		.Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
Rock pressure	lbs	hrs.	NAME OF SEF	RVICE COMPA	ANY	,	
Oil	bbls., 1st	24 hrs.	COAL WAS EN	COUNTERED	AT	FEET	INCHES
Fresh water	feet	feet	FEET	INCF	IES	FEET	INCHES
Salt water	feet	feet	FEET	INCE	IES	FEET	INCHES
Drillers' Names							
6/4/85 M		0,9	nitchell	of Cobo	Tabo	ut con	struction
grade local	stion. Crew	nor	a hel so	ck + h	od lo.	bloss.	not not
as to Reci	plan on u	ppe	side of	locati	on o	gat	ling
Crew will I	tion. Colot plan on un trees & d	al de	ng off of	end o	o loca	leon,	sido.
111185	of the same	0	y part o	n coco	01	A supple	1
10/4/00				Nom	es the	Drogol	8364

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANY				ADDRESS			
FARM		8	DISTRICT	C	OUNTY		
Liner	Loc	ation	Amount	Packer	Loc	ation	
PLUG	S USED A	ND DEPTH PLACED		BRIDGES	CASING	G AND TU	BING
CEMENT-THICK	NESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
		-					
						-	
		-					
					+		
Drillers' Names			3			Street and the second second	
Remarks:							William Section Control
terriar K5.							
						•	
	T .	hereby certify I visi	ted the chave well	on this date			

Permit No. 105-1173

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

HER DEEDELT EROTORS

OIL & GAS DIVISION
DEPT. OF MINES

Oil or Gas Well____

		the first of the state of the s		(KIA	D)
Company Cabot	oil + Gas Carp.	CASING AND	USED IN DRILLING	LEFT IN WELL	PACKERS
Address Chas,	W.UA.	Size			
Farm Cabat	set + Gas	16			Kind of Packer
Well No Mead	#1	13:			Size of
District B. Spren	go County West	81/4		M. S	
Drilling commenced		6%			Depth set
Duilling completed		5 3/16			
Drilling completed	Total depth	3			Perf. top
Date shot	Depth of shot	2			Perf. bottom
				yer a series as seen as of our	
Initial open flow	/10ths Water inInch	Liners Used	,		Perf. top
Open flow after tubing	/10ths Merc. inInch		ar and a second	www.	Perf. bottom
Volume	Cu. Ft.	CASING CEME	NTED	SIZE	No. FTDat
Rock pressure	lbshrs.	NAME OF SER	RVICE COMPA	NY	
Dil	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES
Fresh water	feetfeet	FEET	INCH	ES	FEETINCHES
Salt water	feetfeet	FEET	INCH	ES	FEETINCHES
Orillers' Names Bot	hert Coleman	- Push	her-Je	my C	hilders
Rai		gig #3			
Remarks:	Dia maria a	n Coca-	times	1 insis	- 111
6-11-85-1	Rig moving a	n' locai	1 to T	- Oggis	The state of the s
	may start d	rivery &	all 10	right	*
	V				

6-11-85

Hones Di District WELL INSPECTOR

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. M. 30 . 15	grade for the			Wel	II No	
COMPANY			ADDRESS			
ARM		DISTRICT.		OUNTY		
Filling Material Used		e				
iner Loc	eation	Amount	Packer	Location	NOTE:	J. 1871
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
.						
					- A *	
				-		
	1 \		- many hours of the sign			
			,			
						100
				and the second second		
rillers' Names				-		
emarks:						
1	hereby certify I w	isited the show	e well on this date.			
BATE	manual, constitut a v	THE RULE ADOV	e wom on this date.			
	J. S. Markey				9/29/2	

DATE

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELL'S DIVISION



OIL & GAS DIVISION

POR CHARGE PLUCKING TO STATE INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 105-1173		an ann an Alban ann an Lean ann an 18 aig an air ai Chail Lean an an an Alban an Alban Alban an Aire		Oil or Gas Well			
Company Cabat	sel + Das corp.	CASING AND TUBING	USED IN	LEFT IN WELL	PACKERS		
Address Chas.		Size	water and the same of the same	and the late of the second	Sear \$40 berger make general his		
Farm Calvot Qu		16			Kind of Packer		
Well No. Mead #		13			A Company of the Comp		
	County First	81/4			Size of		
, 0		6%		3 H	Depth set		
Drilling commenced	and the second s	5 3/16	94-75	N - 1			
	Total depth	3			Perf. top		
	Depth of shot	2		H • 12	Perf. bottom		
Initial open flow	/10ths Water inInch	Liners Used			Perf. bottom		
Open flow after tubing	/10ths Merc. inInch	- Latina Asia and	Production of the first	No			
Volume	Cu. Ft.	CASING CEME	NTED	SIZE	No. FTDate		
Rock pressure	lbshrs.	NAME OF SER	VICE COMPA	NY			
Oil	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEETINCHES		
Fresh water	feetfeet	FEET_	INCH	ES	FEETINCHES		
Salt water	feetfeet	FEET_	INCH	ES	FEETINCHES		
Drillers' Names Robe	rt Coleman /	usher-	Jenns (Shilde	(s)		
Ray A	Pesaurces Ria	#3					
Remarks: 1.D.	of 12"4" surface	Role 3	85 ft. ac	t 1P.	M. started		
to run 365'	of 9% surface pipe	e, B.J. Hug and not a	kes on l	et back	in to clean out		
hale + knoch as	reet feet It Coleman / Pesauces Rig of 12"4" surface of 978" surface pipe lack called for	started to ru	u pepe a	will sta	it reaming 12 4 ho		
not go, pulled o on 6-14-85.	5-12 PR	in Kilai awaliki engi	section to de	e arione			
6-13-85			2/2	\mathcal{H}	Donastation		

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

TROPAR BUIDDULE S'ROTDAPRIN DEPT. OF MINES

Permit Ne.	-			Wei	II No	
COMPANY			ADDRESS			F5 1 ×
FARM		DISTRICT.	C	OUNTY		
Filling Material Used						
Liner Loc	cation	Amount	Packer	Location	Carlotte St.	4
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION LUCATION	RECOVERED	SIZE	LOST
					-	
	-					
						1-1
rillers' Names						
	entidence de la descripción de la de				Association of the second	
emarks:					in Legent	
			The state of the s			
BAYE	I hereby certify I v	risited the above	e well on this date.			
The same of the sa					20/00/0	

DISTRICT WELL INSPECTOR

DEPARTMENT OF MINES

TROPER OW SOUL T & BOTOSTEKE



OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

		MA	Notice of the state of the state of	(KIN	Gas Well
any Calvot	t ail + Das Corp.	CASING AND	USED IN DRILLING	LEFT IN	PACKERS
ess Chas.	, W.UA.	Size	A CONTRACTOR CONTRACTOR CONTRACTOR		Level Mineral poli
Calat	Oil + Yas	16	V		Kind of Packer
No. Mead	#1	13	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	365	
B Sprin	go County Wirt	81/4		363	Size of
g commenced		6%	\$		Depth set
	Total depth	5 3/16		THE RESERVE THE PROPERTY OF TH	
g completed	Total depth	3	Commence of the commence of th		Perf. top
hot	Depth of shot	_ 2			Perf. bottom
open flow	/10ths Water inInch	Liners Used			Perf. top
	/10ths Merc. inInch	AND THE SECOND PROPERTY OF THE SECOND			Perf. bottom
	The state of the s	The state of the s		or a self-critical description of a	And the state of t
0	Cu. Ft.	CASING CEMEN	TED 9 78	SIZE 36	No. FT6-14-8
ressure	lbs,hrs.	NAME OF SERV	VICE COMPA	NY B.	. Hughes
	bbls., 1st 24 hrs.			U	FEETINC
water	feetfeet		INCH		
water	feetfeetfeet	FEET_		ES	FEETINC
iter	feetfeet	FEET_	INCH	ESI	FEETINC
' Names Sal	Lest Caleman	FEET_ Pusher	INCH	ESI	FEETINC
Names Say	Lest Caleman Lessures Ly	FEET_ FEET_ Pusher	Jerry	ESI	FEETINC
Names Sal	Lest Caleman Lessuras Ly an 365 ft. 95/8	FEET_ FEET_ FUSher g #3 surface	Jerry Pery	ES Chelo	FEETINC
Names Sal Say s: -85 - Ra	Sessuras Su an 365 ft. 95/8 5 shs. neat 37,0	FEET_ FEET_ FUSher g #3 surface	Jerry Pery	ES Chelo	FEETINC
Names Bal Say 5: -85 - Ra 12:	Sessuras Su an 365 ft. 95/8 5 shs. neat 37,0	FEET_ FEET_ Pusher g #3 g #3 c plug o	Jerry Derry La pripa	Chela	FEETINC
Names 201 Say 12.	Sesurces Su an 365 ft. 95/8 5 sks. neat 37,0	FEET_ FEET_ Pusher g #3 g #3 c plug o	Jerry pip down	Chelo	FEETINC

2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

MOTERIAL SAN AS AN IN INSPECTOR'S PLUGGING REPORT

Permit No.				Wel	I No	
COMPANY			ADDRESS			
FARM		DISTRICT	c	OUNTY	•	
				00111		
Filling Material Used					3 0	
Liner Lo	cation	Amount	Packer	Location	-277	1. 150
PLUGS USED A	AND DEPTH PLACED		BRIDGES	CASIN	G AND TU	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	
CEMBRI-INICKROOP	W005-0122		CONDING PROPERTY.	RECOVERED	9128	LOST
					2050	
	-			1		
e de como esta en esta de la 1990. La filosopolia de como esta en esta en esta esta esta esta esta en esta esta en esta esta en esta esta esta e		Comment of the second second second		N		
	55. 6					
y Though w	AL TIERDO					
	-			-		
Drillers' Names						
		success of the second		•	-	
Remarks:						
BATE	I hereby certify I	visited the abo	ve well on this date.			
DATE						
					9/29/2	000

DEPARTMENT OF MINES



INSPECTOR'S WELL REPORT DEPT. OF MINES

OIL & GAS DIVISION

Permit No. 105-11		and the second s		Oil or	Gas Well
Company Cabat	Dil + Das Corp.	CASING AND	USED IN DRILLING	LEFT IN	PACKERS
Address Chas.	,	Size	And the first of the first	Min I Was A Company of Market	
	ail & Bas	16	A. Maren	2 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Kind of Packer
Well No. Mead	#1 2422 1899	13			Size of
District & Sprin	go County Shirt	81/4	Note that the second		Size of
Drilling commenced 6		8 % 7 '		1891	Depth set
Drilling completed	Total depth	5 3/16	\$ Company	3	Parf ton
Date shot	Depth of shot	2			Perf. bottom
Initial open flow	/10ths Water inInch	Liners Used			Perf. top
Open flow after tubing	/10ths Merc. inInch				Perf. bottom
Volume	Cu. Ft.	CASING CEMEN	TED	_size/89/	No. FT.6-11-85Date
Rock pressure	lbshrs.	NAME OF SER	VICE COMPA	NY B.). Hughes
Oil	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES
Fresh water	feetfeet	FEET_	INCH	IES	FEETINCHES
Salt water	feetfeet	FEET_	INCH	IES	FEETINCHES
Drillers' Names Ro	best Caleman	Lusher	Jen	1 Chila	leco
Ray	1 Resources Re	a #3			
6-17-85 - Na Ces	n 1891 ft. of 4"1 ment 3% CC. 1/416. ce	pipe, ce lloftake pli	mented ug down	with 1PM	425 sks.
6-19-85 - 3	ghes. 447 dup dirillis	g on aii	with	6 "4" be	t, dusting
		and the special property			

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

PTH PLACED		Packer BRIDGES CONSTRUCTION-LOCATION	Location		BING
TH PLACED	Amount	Packer BRIDGES	Location	S AND TUI	BING
		BRIDGES	CASIN	S AND TUI	-
	LEAD	7			-
DOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOS
			1		
		- 1947 - 19			
			use - or resident		
		en e	6	ing soil e	
	excernitives set sets				
Page Section (Section)			0		
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					and the state of
e e e e e e e e e e e e e e e e e e e	Error	A colored to the expression was to the color			

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION

ECTOR'S PLUGGING REPORT



INSPECTOR'S WELL REPORT OF MINES Oil or Gas Well

Permit No. 105-1173

Homes H. Doggo Color

	No. of the Control of	in all the same resignation is a second to be a second to the second to	and the second of the second o	(KINI	**************************************
Company Caliat	ail+ Das Corp.	CASING AND	USED IN DRILLING	LEFT IN	PACKERS
Address Charles	tow, w. UA.	Size	A		Post (7 (associated a seeding
Farm Calat	sil + Fas	16	Page 1800 and the second		Kind of Packer
Well No Mead	#/	13			Size of
Distric B. Spring	County Thirt	81/4	Constitution of the Consti		gr
Drilling commenced	6-12-85	6%	The second		Depth set
Drilling completed	Total depth	3			Perf. top
Date shot	Depth of shot	2	240		Perf. bottom
Initial open flow	/10ths Water inInch	Liners Used			Perf. top
Open flow after tubing_	/10ths Merc. inInch				Perf. bottom
Volume	Cu. Ft.	CASING CEMEN	NTED	SIZE	No. FTDate
Rock pressure	lbshrs.	NAME OF SER	VICE COMPA	NY	
0il	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES
Fresh water	feetfeet	FEET	INCH	ES	FEETINCHES
Salt water	feetfeet	FEET	INCH	ES	FEETINCHES
Drillers' Names	bert Coleman	Lusker	Jerr	uph	ildees
//	1 Resources 1		0	7	
Remarks:			+ 1/	1 11	11 t
6-21-85 -	T.D. of well 4	360 ft.	at 4/	4. M. X	Gearhart "1"
	en location e	agging w.	in, wi	u - u	
	pipe tonight	•		•	
	otab 2452	no steer switch at	central grand		

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

OMBANY						ase I spanie.	
	And the second second second	ADDRESS					
FARM		DISTRICT		COUNTY			
Pilling Material Used							
iner Loc	ation	Amount	Packer	Location	110		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING	
CEMENT-THICKNESS	WOOD-SIZE LEAD		CONSTRUCTION-LUCATION	RECOVERED SIZE			
	1			A. T. A.	beer my		
				-			
					17.5		
			_	1			
				1			
	VHAM LAN						
rillers' Names					_		
emarks:					•		
(- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	hamahu andles V	daland al	e well on this date.				

DIVISION OF OIL & GAS

August	14	

Mead #1 Well No. DEPARTMENT OF ENERGY API Well No.

47 - 105 - 1173 State County Fermit 1173

19 85

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

WELL OPERATOR'S REPORT OF INITIAL GAS-OIL RATIO TEST

WELL OPERATOR	Cabot Oil	& Gas Con	rporation of	WV DESIGN	ATED AGE	ENT David	G. McCluske	V
	P.O. Box 6					P.O. Box 62		<i></i>
-	Charlestor	, West V	irginia 25322				, West Virgi	nia 2532
GEOLOGICAL TAR	GET FORMATIO	ON:	Brown Shale			Depth 3	3326-4316	feet
				Perforation	Interv	(4104-42	64) (2112-2	
							, (2112 2.	31371660
GUIDELINES FOR	TESTING:							
2- A 24 h 3- Unifor 4- Measur	m producing ement standa	into pipel rate durir	flared lines or tanks ng the 24 hour r Form IV-39, ' n producing for				<u>e</u> Regulation	£.1.01)
STADT	OF TEST-DATE	TIME	TE:	ST DATA				
	6/85	12:00	END OF TEST-1	DATE TIME		DURATION OF TE	ST	
TUBING	PRESSURE	CASING PRES	SURE SEPARATO	DR PRESSURE	SEPAR	ATOR TEMPERATURE		
	94	159		24		600		
OIL PR	-0-		PRODUCTION DURIN				SALINITY	
OIL GR		bbls.	51	Mcf -	0- ьь	ls. ng, gas lift, et	ppm.	
		•AP	I FRODUCING	METHOD (Flowin				
-				owing				
			GAS PE	RODUCTION				
	EMENT METHOD GE TAP	PIPE TAP	L-10 X		POSITIVE CRITICAL	CHOKE FLOW FROVER		
2"	x 3/8"		PIPE DIAMETER	CINSIDE DIAM.) NOM I	NAL CHOKE SIZE -	IN.	
	NTIAL PRESSUR	E RANGE	MAX. STATIC F	PRESSURE RANGE	PROVE	ER & ORIFICE DIA	M IN.	
DIFFER	The state of the s		STATIC		GAS (GRAVITY (Air-1.0		
	8.5 Roots		94# 6.6		MEASU	JREDESTI	MATED	
GAS GR	.723 Air-1.0	,	FLOWING TEMPE	RATURE	GAS T	EMPERATURE	60 ° F	
24 HOUR	COEFFICIENT				24 HO	DUR COEFFICIENT		
					PRESS	SURE -	psia	
				RESULTS				
		DAILY WATE	R	DAILY GAS		GAS-OIL RATIO		
-0	- bbis.	-0.	bbls.	51	Mcf.	N.A.	SCFATE	
DAILY (DAILY WATE	R	DAILY GAS 51	PRESS	SURE -	SCF/5TF	

09/29/2023

Its: Regional Manager, Drilling & Production

^{*} Some oil (2 BBL) produced during clean-up. Incorrectly measured due to a tilted tank. Since clean-up, well has not produced any oil.

INSPECTOR'S WELL REPORT

94-11-85)

7 1986 JAN

Permit No./05-//73 94-11-85)			Oil or	Gas Well	
Company Calest Dil + Das Corp.	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PAC	KERS
Address Charleston, W.OH.	Size				
Farm Calist oil & Das	16			Kind of Pac	cker
Well No Mead #1	13			Size of	
District B. Springs County Skeit	81/4		200 20		
Drilling commenced	6%			Depth set_	
Drilling completed Total depth	3			Perf. top	
Date shotDepth of shot	2			Perf. botton	n
Initial open flow/10ths Water inInch	Liners Used			Perf. top	
Open flow after tubing/10ths Merc. inInch				Perf. botton	n
VolumeCu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
Rock pressure lbs hrs.	NAME OF SER	RVICE COMPA	NY		
Dilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
Fresh water <u>feet</u> <u>feet</u>	FEET_	INCH	ES	_FEET	INCHES
Salt water feet feet	FEET_	INCH	ES	FEET	INCHES
Orillers' Names					
Remarks:			,		
cemarks:	-	1.5	10 10	1000 00	,

Homes Hi Dough

Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No				W	Vell No		
COMPANY			ADDRESS			.77 0	
FARM		DISTRICT _	C	OUNTY			
Filling Material Used						e e e e e e e e e e e e e e e e e e e	
iner L	ocation	Amoun		Loc	cation		
PLUGS USED	AND DEPTH PLACED		BRIDGES	CASING	G AND TU	BING	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST	
	-					lo 8	
						ŝ	
				+	***********		
				-			
					TO THE STREET OF		
		-					
orillers' Names							
Traffics		8 0		ant the Burg of the Anti-Anti-Anti-Anti-Anti-Anti-Anti-Anti-			
	2						
emarks:							
					• 200		
B. 4	I hereby certify I visi	ited the above wel	ll on this date.				
DATE		20					

P 591 457 036

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

(See Reverse)

217	Sentio Mr. O.M. Belt	
U.S.G.P.O. 1983-403-517	Street and No. 910 Pike Street	
.0.18	P.O., State and ZIP Code Parkersburg, WV 2	6101
S.G.F	Postage	\$
* U	Certified Fee	75
-	Special Delivery Fee	
0	Restricted Delivery Fee	
Mila	Return Receipt Showing to whom and Date Delivered	60
1982	Return receipt showing to whom, Date, and Address of Delivery	
Feb.	TOTAL Postage and Fees	\$
PS Form 3800,	Postmark or Date MAI 1985	

P 591 457 037

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

(See Reverse)

117	Sent to Ms. Hollie P. Buft	finaton
U.S.G.P.O. 1983-403-517	Ms. Hollie P. Buti	ringcon
0.0.19	P.O., State and ZIP Code Parkersburg, WV 2	26101
S.G.F	Postage	\$
*	Certified Fee	75
1	Special Delivery Fee	
	Restricted Delivery Fee	
100	Return Receipt Showing to whom and Date Delivered	70
1982	Return receipt showing to whom, Date, and Address of Delivery	
	TOTAL Postage and Fees	\$
- 0-	Postmark or Date	



OIL & GAS DIVISION DEPT. OF MINES

FERC-121

1.0 API well number: (If not available, leave blank. 14 digits.)		47- 10	5 _ 1173			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 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.)			4357	., .,	feet	
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Name	Oil & Gas (Corporatio	n of W	.Va	000728 Seller Code
	Charle	ston		WV	25322 Zip Code	
5.0 Location of this well: [Complete (a) or (b).](a) For onshore wells (35 letters maximum for field name.)	Burnir Field Nar Wirt County	ng Spring			WV State	
(b) For OCS wells:	Area Nan	N/ ne Date of Lea	ase:	E	Block Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	Mead	Mo. Day		OCS L	ease Number	
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)		N/	'A		•	
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Tennessee Gas Pipeline Co.				018629	
(b) Date of the contract:			1, 0, 0, Mo. Da	2, 8, 0,		
(c) Estimated annual production:			35		MMcf.	
		(a) Base Price (\$/MMBTU)	(b) Tax	Price	All Other es [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 JUL 25 1985 Date Received by FERC	Name Signature	rd Whitehea 25, 1985		Δ	Title	Manager & Production
	Date App	dication is Complete	red	(304) Pho	347-1600 one Number 09	/29/2023 FT7900806/2-2

DEPARTMENT OF MINES, OIL AND GAS DIVISION AUG 15 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: July 25 ,19 85 8150	AGENCY USE ONLY
Applicant's Name: Cabot Oil & Gas Corporation of WV	WELL DETERMINATION FILE NUMBER
Address: P. O. Box 628	The state of the s
Charleston, WV 25322	850725 -1030-105-1173
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)	
First Purchaser: Tennessee Gas Pipeline 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) (Zip Code) FERC Seller Code 000728	FERC Buyer Code 018629
NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNIBE ADDRESSED:	NG THIS APPLICATION SHALL
Name: Ed Hindman	Regulatory Assistant
Signature: (Print) Col Hill	(Title)
Address: P. O. Box 628	
(Street or P.O. Box) Charleston WV (City) (State) (304) 347-16 (Area Code) (Phone N	
(Certificate of Proof of Service to Purcha Copy sent to Purchaser by Certified Mail P753 22 NGPA Catagory App	24 843 on July 25, 1985 .
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	108 Stripper Well Natural Gas 108- Stripper Well 108-1 Seasonally Affected 108-2 Enhanced Recovery 108-3 Temporary Pressure Buildup
107 High Cost Natural Gas 107-0 Deep (more than 15,000 feet)	AGENCY USE ONLY
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	QUALIFIED
RECIEIVED	09/29/2023
DIVISION OF OIL & GAS DEPARTMENT OF ENERGY	

Date Received

Determination Date

FO	RM		1	V	-	5	4	WC
[]	2 -	7	8	1				

STATE	OF	WEST	VIRGINIA
DIALL	01	MEDI	ATMOTHETY

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date	July 25	19 85
Operator' Well No.	s Mead #1	
API Well No. 47 State	- 105 County	- 1173 Permit

WELL CLASSIFICATION FORM

NEW ONSHORE PRODUCTION WELL

				NGPA	Section	on 103									
						DESIG	GNATED .	AGENT	H, Bai	rd Wh	iteh	nead			
									P. O.						
									Charle	ston.	WV	2532	2		
WELL OPERATOR	Cabot	Oil	& Gas	Corpo	f WV	LOCAT	TION: E	levati	on 86	0'					
ADDRESS	P. O.	Box	628		_				ing Spr						
	Charl	eston	. WV	25322		Bu	urning	Spri	ngs County_	Wirt		Qua	d. Bur	ning S	Springs
GAS PURCHASER						Gas 1	Purchas	e				,	-		
ADDRESS	P. 0.	Box	2511				ract No		GSC1 N/A	51					
	Houst	on, T	X 770	001					10/2	/80					
					_			_							
* * *	*	*	*	* *	. ,	· ·	* *	*	+		+	4-	4	*	
	,		•			_		^	^		^	*	*	*	
Date surface	drilling	was b	egun:_	6,	/12/8	5									
•	,	,													
Indicate the	bottom r	noie pr	essure	of the	well a	and ex	plain h	ow thi	s was cal	culated	1:				
HP = P ₁ + P	7(eGL/	53.34	T_{-1})	P	1 =	660	PS	IA		ВНР	=	712	PSI	Α	
,				T	=	92°									
				G	= 2	.69									-
				L	- 3	100									
	U	Doi	ما الله	-	FFIDA	-			1						
surface drill	TILE UT	- ric we i	T TOT V	WELL THE TA	172 06		attuil 1	3 3002	rn accord	FOIL OIL	UI a	Trer re	DIUdi	7 19.	
1977; the well within a pror	l satis:	fies ap	plicabl	le state	or f	ederal	well s	pacing	requirem	ents ar	nd th	e well	is not	t	
reservoir fro in commercial	m which	gas is	or wil	ll be pr	oduce	d and	which a	pplied	to any o	ther we	ell p	roducin	g gas		
was capable of the best of m	f produc	cing ga	s in co	ommercia	il quar	ntitie	s. Is	tate,	further,	that I	have	conclu	ded, t	0	
is a new onsh application w	ore pro	duction	well a	and that	: I am	not a	ware of							745.110	
application		21100110	, 15000110	W1011 C1	.15 00.		011.								
								8	En la	N. L	Sa	to			
									-			\			
STATE OF WEST															
COUNTY OF K			TIW OT												
	I, Lor	ene M	ller	,	a Not	ary Pu	blic in	and f	or the st	ate an	d cou	mty afo	resaid	d,	
do certify th	at H. B	aira	wniter	nea,a who	se na	me is	signed	to the	writing	above,	bear	ing dat	e		
the 25th _{day}	of J	uly	,	19 85	has	acknow	ledged	the sa	me before	me, in	n my	county	afores	said.	
	Given w	nder my	hand a	and offi	cial	seal t	his 25t	h day	of Jul	У	_, 19	85.			
	My term	of off	fice exp	pires or	the	5th	day of		larch	, 19	89 .				
									. ^			^ ^			
[NOTARIAL SEA	17.7								Lon	ene	M	ıll	a		
INOTAKLAL SEA	,								Notar	y Publ:	ic				
												na/	20/2	023	

09/29/2023

PECEUVED JUL 2 5 1985

FERC-121

1.0 AP	'I well number:		10	E 1172	D	IVISION O	FUIL & GAS	
	not available, leave blank. 14 digits.)		47- 10	DEF	DEPARTMENT OF ENERGY			
(U:	pe of determination being sought: se the codes found on the front this form.)	-	107DV Section of N	Cat	3 tegory Code	*		
loc	pth of the deepest completion cation: (Only needed if sections 103 107 in 2.0 above.)	4357 feet						
app	ome, address and code number of plicant: (35 letters per line eximum. If code number not ailable, leave blank.)	Name	Oil & Gas (Box 628	WV State	25322 Zip Code	000728 Seller Code		
or	cation of this well: [Complete (a) (b).] For onshore wells (35 letters maximum for field name.)	Burning Springs Field Name Wirt County						
(b)	For OCS wells:	Area Nam	Date of Lea		ock Number			
(c)	Name and identification number of this well: (35 letters and digits maximum.)	Mead						
(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.)	Tennes		018629				
(6)) Date of the contract:							
(c)	Estimated annual production:		_	35		_MMcf.		
			(a) Base Price (\$/MMBTU)	(b) Tax		Other [Indicate (-).]	(d) Total of (a), (b) and (c)	
(A	ntract price: s of filing date. Complete to 3 cimal placer.)							
(As	ximum lawful rate: s of filing date. Complete to 3 cimal places.)							
Date Re	Agency Use Only eceived by Juris. Agency	H. Bai Name	rd Whitehea	d vlat	Dr	gional ! illing !	Manager & Production	
Date Re	eceived by FERC	July 25, 1985 Date Application is Completed (304) 347- Phone Nur				47-1600 Number		

FT7900806/2-2

Determination Date

Date Received

4 .. *

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION AUG 15 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date:,19	8150	Ac	SENCY USE ONLY
Applicant's Name: Cabot Oil & Gas	Corporation of WV	WELL DETE	RMINATION FILE NUMBER
Address: P. 0. Box 628		95.70-	
Charleston, WV	25322		-1073-105 - 1173
Gas Purchaser Contract No. GSC	151	Use Above Fi Communication	le Number on all ons Relating to This Well
Date of Contract 10/ (Month, day a	2/80		
(month, day a	^	Danismatad	
First Purchaser: Tennessee Gas P	Pipeline Company		nt: H. Baird Whitehead
Address: P. 0. Box 2511		Address:	P. O. Box 628
(Street or P.O. Box) Houston, TX 77 (City) (State)			Charleston, WV 25322
(City) (State) FERC Seller Code000728	(Zip Code)	FERC Buyer Co	de018629
NAME AND TITLE OF PERSON TO WHOMBE ADDRESSED:	QUESTIONS CONCERNI	NG THIS APPLICA	ATION SHALL
Name: Ed Hindman (Print)	1	Re	gulatory Assistant
Signature:	od Hirdan		(Title)
	Box 628 reet or P.O. Box)		
Charle		25322 (Zip Code)	
Telephone: (3	304) 347-16 ea Code) (Phone M	00	_
(Certificate of Proof o			
Copy sent to Purchaser by Cer		24 843	on <u>July 25, 1985</u> .
NGPA SECTION/SUBSECTION	no	1100 101	
102 New Natural Gas		108 Stripper	Well Natural Gas
102-2 2.5 Mile Test 102-3 1000 Foot Deeper 1	lest .	108-	Stripper Well Seasonally Affected
102-4 New Onshore Reserv	voir	108-2	Enhanced Recovery Temporary Pressure Buildup
103 New Onshore Production Well 103 New Onshore Production	on Well		remperary ressare buridap
107 High Cost Natural Gas		AG	ENCY USE ONLY
107-0 Deep (more than 15	5,000 feet)		
107-2 Coal Seams 107-3 Devonian Shale			
107-5 Production enhance	on		
107-7 Recompletion Tight	t Formation		
			UFIED 09/29/2023
BECEIVE		QUA	LIFILD
JUL 2 5 1985			
DIVISION OF OIL & GAS DEPARTMENT OF ENERGY			

DEVONIAN SHALE GAMMA RAY LOG ANALYSIS APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT

Operator:	Agent:	
Type Determination being sought - 10	7 (Devonian Shale)	
API Well No.:	Well Name:	
West Virginia Office of Oil & Gas References: SJA File No.	County:	
Vol Page	Line	
I. NOTE: A Gamma Ray Log has been (b) a line representing with Gamma Ray units leading is included with the control of the	g O.7 x (Shale Base l ess than O.7 x (Shale	ine), (c) intervals
II. Gamma Ray elevation indices	:	
A. Shale Base Line (A	PI Units)	
1 GR Value at Base 2. Remarks: Base but should be above. B. Gamma Ray Log Value	se Line = 125 * of WELL bone Not similar to that in e at 0.7 x Value at 8	logged mediatly
2. Calculation:	25 * API Units 0.7 (GR Value at Bas 0.7 (<u>125</u> *) = <u>88</u>	API Units
III. Intervals with GR index les		Feet of less than *
Interval From** To***		0.7 (Shale Base Line) Feet
2050 2550	500	51
2550 3350	800	0
3350 4262	912	/
Total Devonian Interval		
Total Less Than 0.7 (Shale Base)		52
% Less than 0.7 (Shale Base Line) =	<u>52</u> <u>22/2</u> x 100	= 2.4 %
A Less chall U. / (Shale base Line)	No. of the part of the same of	

^{*}Marked on log included with analysis.

**Top of Devonian Section Recorded on First Interval in this column/29/2023

***Lesser of TD or Bottom of Devonian Section Recorded as last Interval in this Column.

(NOTARIAL SEAL)

STATE OF WEST VIRGINIA

Date_July 25, 1985

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's Well No. Mead #1

API Well No.

47 - 105 - 1173 State County Permit

WELL CLASSIFICATION FORM HIGH COST GAS WELL - DEVONIAN SHALE NGPA Section 107

NGPA Sect	ion 107				
	DESIGNATED AGENT_	H. Baird Whitehead			
	ADDRESS	P. O. Box 6	28		
		Charleston,	WV 25322		
	LOCATION Elevation	on860'			
WELL OPERATOR Cabot Oil & Gas Corp. of W.Va.			of Little Kanaw		
ADDRESS P. O. Box 628	Dist. Springs	ounty_Wirt	Quad. Burning S		
Charleston, WV 25322	Gas Purchase Contract No	GSC151			
GAS PURCHASER Tennessee Gas Pipeline Co. ADDRESS P. O. Box 2511	Meter Chart Code_	N/A			
Houston, TX 77001	Date of Contract	10/2/80	* * * * * * * * * * * * * * * * * * * *		
* * * * Date surface drilling began: 6/12/85	* * *	*			
Indicate the bottom hole pressure of the w	ell and explain ho	ow this was	calculated.		
T = G = .	60 PSIA 92° 69 88	BHP =	712 PSIA		
AFF	IDAVIT				
	IDAVII				
I, Paul L. Gebhard , having been I have calculated the percentage of footag Devonian Shale as indicated by a Gamma Ray described in subparagraph (3)(i) or (3)(ii report described in subparagraph (3)(ii)(B of potentially disqualifying non-shale foo percent of the gross Devonian age interval not described in the application which is qualifies as a high-cost natural gas well.	index of less that (A) has been file (B); I have demonstrated is equal to (C); and I have no kninconsistent with	g interval wan 0.7 if a ed, or as interest that the property of the content of th	hich is not Gamma Ray log dicated by the he percentage five (5) any information n that the well		
STATE OF WEST VIRGINIA					
COUNTY OF Kanawha , TO-WIT:					
I, Lorene Miller , a Notary	Public in and for	the state	and county		
aforesaid, do certify that Paul L. Gebha	ard,	whose name	is signed to		
the writing above, bearing date the 25th acknowledged the same before me, in my cou			, has 09/29/2023		
Civen under my hand and official seal this	25th day of	July	<u>, 19 ⁸⁵</u> .		
My term of office expires on the 5th day	of March	, 19	89		
	^		4.		

