

JAN - 8 1985



1) Date: January 8 , 19 85

2) Operator's Imperial #19

3) API Well No. 47 - 039 - 4114
State County Permit

OIL & GAS DIV. DEPT. OF MINES

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

APPLICATION FOR A WELL WORK PERMIT

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B" SMLS				For drilling	Left in well	OR SACKS	FACRERS
	32			Tor drining	Left in well	(Cubic feet)	
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-		X		2400'	1200	300 cts	By Rule 15.0
	25	- 1	100 miles	2400	2400	200 cts	Sizes
SMLS	10 5	X		F0001	50001	200 100	
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47 020							
47-039	9-4114					Janu	19 85 ary 9,
						Date	
ell operato	or and well	locatio	on shown be	elow is evidence of	permission granted	to drill in accordance	ce with the pertinent legal re-
onuntions (contained	nerein a	nd on the r	everse hereof Notifi	cation must be give	on to the District Oil	and Continue of the
or 24 hours	s before ac	tual per	rmitted wor	k has commenced.)	i addition, the wen	operator of his cont	ractor snall notify the proper
escribed in	the Notice	e and A	pplication	nlat and reclamatic	n plan subject to	ony modifications	- d 11/1
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ary 9,	1987			unless well wo	ork is commenced p	rior to that date and r	prosecuted with due diligence
						The same date and p	prosecuted with due diligence.
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:P. O. Box 2587

GROI 3-14AL

OIL & GAS DIV. DEPT. OF MINES

Addies Dox 2587

OFFICE USE ONLY

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

TOCK FIGH. Persons. 2007. Cabin Creek Comby Kanawha . Outdonger Eskdale. Well Operator Allegheny & Western Energy Corp. n prsichation with Rolland C. Baerk Gr.

10.Cl 91801 V3	OFFICE USE ONLY		1 701
This part of Form IV-2(b) is to rec	cord the dates of certain occurrences and any	follow-up inspections.	
	Date		Date(s)
Application received	Follow-up inspe	ection(s)	
Well work started	TIMES POR HER	,, vitv-650-14	· Sortfauft sjame
process	lanta or reference established in section of the se		
Well Record received	plas for any complete variety and addition will wan expense minor word "fas companied". pitcation, plat, and recinitation sing, ar present any ma		
Reclamation completed	tini tong besinding is stationally scaling.	7891 .º vienue	
OTHER INSPECTIONS	The second secon	emile i	Fond
Reason:	1 orfes / Porgan	Aut the die	1 0

1)	Date:	January	8	,19 85
2)	Operat	or's		

Well No. Imperial #19

3) API Well No. 47 - 039 -4/14
State County Permit

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

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NOTICE	Or	APPLICATION	FUR	A	WEIL	WORK	PERMIT

			TOR A WELL	WORK PERMIT	
4) SU	RFACE OW	NER(S) OF RECORD TO BE SERVED	5(i)	COAL OPERA	TORNone
(i)	Name	Imperial Coal Company		Address	
(ii)	Address	c/o Fredrick L. Thomas, Jr. President	5(ii)	COAL OWNER	(S) WITH DECLARATION ON RECORD
,,		P. O. Box 273 Charleston, WV 25321		Address	c/o Fredrick L. Thomas, Jr. President
(iii)	Name			Name	P. O. Box 273
	Address			Address	Charleston, WV 25321
			5(iii)	COAL LESSER Name Address	E WITH DECLARATION ON RECORD: None
		TO THE PERSON(S) NAMED ABOVE: You should (1) The Application for a Well Work to be plugged, which sets out the and describes the well and its locementing program.	Permit on Form IV-	2(B) (or Form IV-	4 if the well is

cementing program;

(2) The plat (surveyor's map) showing the well location on Form IV-6; and

(3) The Construction and Reclamation Plan on Form IV-9)unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY

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 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 Applic	cation is verified
and sworn to and	the Notice is
signed on behalf	of the Well Operator
in my County and	State by

Notary Public,

State of

R. H. Hess			
this 8 day of January	,	19	85
My commission expires _8/13	_,	19	91.
(Xang Xann)			

blic, Kanawha County,
West Virginia

OPERATOR Allegheny & Western Energy Corporation

By R. J. Kless	
Its President	
Address P. O. Box 2587	
Charleston, WV	25329
Telephone (304) 343-4327	

09/29/2023

-	31		
	Energy	Corporat	cio

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& GAS DIV.

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 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 § 22-4-8a 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	
Farmout from:		_ book rage	
Columbia Gas Transmission Corp. United Fuel Gas Co. Imperial Coal Co.	1/8	Recorded	5-11-78
Imperial Coal Co.	1/8	1060	189

SURFACE OWNER'S COPY



1)	Date:	INGEA O		_, 19
2)	Operator's Well No.	Imperial	#19	
3)	API Well No.	47	039	
-,		State	County	Dermit

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

Name Address Name Address						X					
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OIL & GAS INSPECTOR TO BE NOTIFIED Name Address Name	6) 1	WELL OPE	RATOR_			And the latest the lat	tern	Energy Corp.	7) DESIGNATED	CONTRACTOR OF THE PARTY OF THE	d C. Baer, Jr.
OIL & GAS INSPECTOR TO BE NOTIFIED Name Address Address Address Address Address Address Address PROPOSED WELL WORK: Drill Other physical change in well (specify) Other physical change in well (specify) Other physical change in well (specify) (IgeoLOGICAL TARGET FORMATION, 12) Estimated depth of completed well, Approximate trata depths: Fresh, feet: salt, feet: salt, feet. 13) Approximate trata depths: Fresh, CANNG OR SPECIFICATIONS FOOTAGE INTERVALS OR SAACKS CAMENT PILLUP PACKERS TURNEG TYPE Size Grade Perft. New Used For defiling Left in well CANNG OR SAACKS CAMENT WILLUP PACKERS TO ASSESS COMMENT OF THE WORK CANNER OR SAKES CANNER OR SAACKS CAMENT WILLUP PACKERS TO ASSESS COMMENT OF THE WORK CANNER OR SAKES CANNER OR SAACKS CAMENT WILLUP PACKERS To ASSESS COMMENT OF THE WORK CANNER OR SAKES CANNER OR SAACKS CANNER OR SAAC		Address	el er <u>liniger</u>	Z NA STANDARD STANDAR	MANAGEMENT OF THE PARTY OF THE		P. (2 P.)	<u>Francisc</u> mino religi	Address		BOX 2567
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Other physical change in well (specify) GEOLOGICAL TARGET FORMATION, 120	(0) I	ROPOSEI	DWELL	WORK:		ff old f				Z / Stimulate	THE PARK YOU THEN
CEDLOGICAL TARGET FORMATION, The period for surface owners of the surface owners of the Application if the surface owners of the Application for a Well Work Permit, and that I have received less of (1) a Notice of Application for a Well Work Permit on Form IV-2, (a), (2) an Application for a Well Work Permit, and that I have received less of (1) a Notice of Application for a Well Work Permit on Form IV-2, (a), (2) an Application for a Well Work Permit on Form IV-2, (b), (3) a survey plat Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-2, (d), (2) an Application for a Well Work Permit being issued based on those terrials. CEMENT FILL-UP ON SACKS (Cable feet) PACKERS PACKERS (OR SACKS (Cable feet) No.									ite new formation_	All the street of the street	
12) Estimated depth of completed well, 13) Approximate trata depths: Fresh,	1) (GEOLOGIC	CAL TAR	GET FOR					onian Shale		
13) Approximate traits and depths: Fresh, Jeet; salt, rect. 14) Approximate coal seam depths: Is coal being mined in the area? Yes. No. 15) CASING AND TUBING PROGRAM CASING OR TUBING PROGRAM FOOTAGE INTERVALS OR SACKS (Cubic feet) OR SACKS (Cubic feet) Ninds For drilling Left in well Casing Or Sacks (Cubic feet) Kinds Kinds Rect weight per ft. New Used For drilling Left in well Casing Or Sacks (Cubic feet) Kinds Kinds Rect with the search of the surface of the search o							San Allen San San San	feet	u da minisa		
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CASING OF TUBING TYPE Size Grade Per It. New Used For drilling Left is well Cash Cash Cash Cash Cash Cash Cash Cash	14	4) Approx	kimate coa	l seam dep	ths:			Is coa	l being mined in the	area? Yes	/ No/
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 Thereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received ies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein. I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those terials. I for execution by corporation, partnership, etc.) (For execution by natural persons)	5) (CASING A	ND TUBI	NG PROC	GRAM						
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 copy of the Application. **VOLUNTARY STATEMENT OF NO OBJECTION** Thereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received iese of (1) a Notice of Application and Reclamation Plan on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein. I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those terials. (Signature) Date: (Signature)	A CONTRACTOR OF STREET			SPEC		S		FOOTAGE IN	TERVALS		PACKERS
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By Date:			corporatio	on, partner	ship, etc.)		(For ex	xecution by natural	persons)	
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09/29/2023

Surface Owner



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

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

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

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

Where to file comments and obtain additional information:

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

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

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

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

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

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

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

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

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

IV-9 (Rev 8-81)

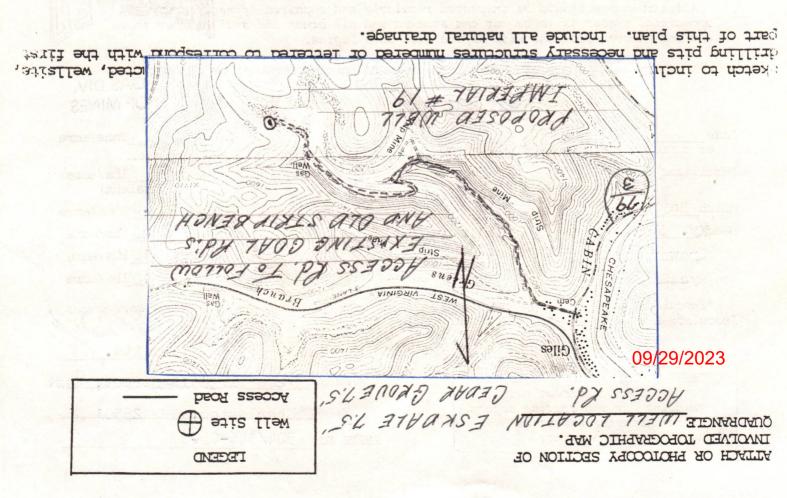


DATE December 17, 1984

WEIL NO. <u>Imperial #19</u>
API NO. 47 - 039 - 4//4

State of Mest Mirginia Pepartment of Mines Gil and Gas Pivision

CONSTRUCTI	ON AND REC	LAMATION PLAN	
Allegheny & COMPANY NAME Western Energy Corp.	D	ESIGNATED AGENT Roland C. Baer	
Address Box 2587, Charleston	WV	Address Box 2587, Charleston, WV	253
Telephone 343-4327		Telephone 343-4327	
LANDOWNER Imperial Coal Co.		SOIL CONS. DISTRICT Capitol	
Revegetation to be carried out by_		Roland C. Baer (Agent	:)
This plan has been reviewed by	Capitol	SCD. All corrections	
and additions become a part of this pl	an:	JAN. 3 1985	
E ATTACHED COMMENTS"	R	Colford "FIELD REVIE	WE
ACCESS ROAD O'M')	LOCATION	
Structure Drainage Ditch	(A)	Structure Diversion Ditch (1)
Spacing Along Access Road		Material Earthen	
Page Ref. Manual 2-/2		Page Ref. Manual 2:12 to 2:13	
Structure	(B)	Structure	(2)
Spacing		Material	
Page Ref. Manual		Page Ref. Manual	
Structure Cross Drains	(C)	Structure Pit	(3)
Spacing As shown on sketch		Material Dug, and plastic lined	
Page Ref. Manual 2:1 to 2:6		Page Ref. Manual	
All structures should be inspected commercial timber is to be cut and cut and removed from the site before	stacked and	d all brush and small timber to be	
	REVEGENATIO	OIL & GAS DIV.	
Treatment Area I		Treatment Area II	
Lime 3.0 Tons/acc	re	Lime 3.0 Tons/acre	9
or correct to pH 6.5		or correct to pH 6.5	
Fertilizer 600 lbs/acro	е	Fertilizer 600 lbs/acre (10-20-20 or equivalent)	
Mulch Hay or Straw 2. Crons/acc	re	Mulch Hay or Straw 2.0 Tons/acre	
SeedKy. 31 Tall Fescue 45 lbs/acre		Seedly. 31 Tall Fescue 45 lbs/acre	=
Crownvetch 10 lbs/acre			
Rye Grass 10 lbs/acre			
*Inoculate all legumes such as vetci		Rye Grass 10 lbs/acre and clovers with the proper bacterium.	7
Inoculate with 3% recommended amount.		Deorge to Kollins	40
Inoculate with 3% recommended amount.		PARED BY A E ASSOCIATES, 05/29/202	3
Inoculate with 3% recommended amount. NOTES: Please request lawfowners' cooperation to protect new	PIAN PRE		3 st
NOTES: Please request landowners'	PIAN PRE	FARED BY A E Associates, 05/29/2029	3 st



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COAL OWNER'S COPY

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1)	Date:	luary o		, 19
2)	Operator's Well No.	Imperial	#19	
21	ADI Well No	47	030	

County

State

Permit

	STA	TE	OF	WES	ST V	IRGIN	IIA		
DEPARTME	NT	OF	MIN	VES.	OIL	AND	GAS	DIVISI	10

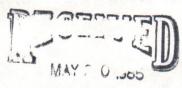
					A	PPLICAT	TION FOR A WELL	WORK PERMIT			
	4) WELLTY	PE: A O	hil	/ G	ac X	,					
	T) WEEL II		f "Gas",		D. D. C. C. C.		_/ Underground st	orage	_/ Deep	/ Shallow	1
	5) LOCATIO		evation: _		173			Greens Bran			
		Dis	strict:	Cabir	1 Cre	ek	_ County:Ka	nawha	Quadrangle:	Eskdale	
	6) WELL OF	PERATOR				tern 1	Snergy Corp. 7) DESIGNATED	AGENT Rolan	d C. Baer,	Jr.
	Addres	s		Box 2				Address		Box 2587	
			Charl	eston,	WV	2532	29		Charl	eston, WV	25329
		AS INSPEC	The second second	BE NOTI	-		9) DRILLING CO	NTRACTOR:		
	Name			inch F	199	Rd.					
	Addres	S		ew, W		5071		Address			
	IO PROPOSI			Drill_				/ B 1 '''	4 60 14	× .	
	10) PROPOSI	ED WELL	WORK:			_/ Drill	/ Perfora		/ Stimulate		
							well (specify)	te new formation_			
	11) GEOLOG	ICAL TAR	GET FOR			Injur	, Weir, Devo	onian Shale			
		ated depth of				5990	feet				
		oximate trat				940	feet; salt,_	1840	feet.		
	14) Appro	oximate coa	l seam dep	ths:		-	Is coal	being mined in the	area? Yes	/ No	X
	15) CASING	AND TUBI	NG PRO	GRAM							
	CASING OR		SPEC	IFICATION	S		FOOTAGE IN	TERVALS	CEMENT FILL-UP	PACKERS	3
	TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in weil	OR SACKS (Cubic feet)		
	Conductor									Kinds	
	Fresh water	9 5/8	" SMLS	32	X		1200*	1200*	300 cts	By Rule 1	5.01
	Coal	7"	SMLS	23	X		2400*	2400*	200 cts	Sizes	
	Intermediate							The state of the s			
	Production	4 1/2	SHLS	10.5	X		59901	5990*	200-400 sks		As Requi
	Tubing									By Rule 15	.05
	Liners									Perforations:	
										Тор	Bottom
		11		-	1	1 11					
6288			TO THE REPORT OF THE PARTY OF T				and and commence and the second se				
				INST	TRUCT	IONS TO	COAL OPERATOR	R, OWNER, OR LI	ESSEE		
		The na	amed coal	operator,	coal ov	vner(s), ar	nd coal lessee are here	by notified that any	objection they wish	to make or	
							led with the Departm	ent of Mines within	fifteen (15) days afte	r the receipt	
		of this App	meation o	y the Dep	artmen	•					
		1	The follow	ing waive	r must	be comple	ted by the coal opera	ator and by any coa	l owner or coal lesse	e	
							Code §22-4-20, if th	e permit is to be issi	ued within fifteen (15	5)	
		d	lays of the	tiling of	the Ap	plication.					
							WAIVER				
	The undersigne	ed coal oper	ator		-	owner		/100000	/ - Cab	1 -1 -1: 111	
ez				If a mine			covers the area of the	lessee the v	/ of the co	added to the mine	man The
u	ndersigned has i	no objection	to the wo	ork propos	sed to b	e done at	this location, provide	ed, the well operator	has complied with a	ill applicable requi	rements of
th	ne West Virginia	Code and	the govern	ning regul	ations.					1	
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D	ate:	zw.	9	. 19	85		Ry	7.8	human	1/1.24	
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09/29/2023

Coal Owner



IV-35 Rev 8-81)



OIL & LAS DIVISION E .. OF MINES State of West Wirginia

Department of Mines Bil und Vas Division

Date	March	15,	1985		
Opera Well	tor's No.	Imp	erial	#	19
Farm	Impe	rial	Coal	Co	ompany
API N	o. 47 -	0	39 _	4]	114

WELL OPERATOR'S REPORT

OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

Watershed_	Greens B	ste Disposa ge/ Dec		90.80
OCATION: Elevation: 1473 Watershed District: Cabin Creek County Ka	anawha	Quadrangl	e Eskda	le
OMPANYAllegheny & Western Energy			4.75%	Paragraps
DDRESS P.O. Box 2587, Charleston, WV				,
ESIGNATED AGENT R. C. Baer, Jr.	Casing	Used in	Left	Cement fill up
DDRESS P.O. Box 2587, Charleston, WV	Tubing	Drilling	in Well	Cu. ft.
JRFACE OWNER Imperial Coal Company	Size 20-16			
DRESS P.O. Box 273, Charleston, WV	Cond.			1/4
NERAL RIGHTS OWNER Imperial Coal Company	13-XXX	40	40	To Surf
DRESS P.O. Box 273, Charleston, WV	9 5/8	1110	1110	400SX
L AND GAS INSPECTOR FOR THIS WORK	8 5/8			
C. Hively ADDRESS Elkview, WV	7	2370	2370	175SX
RMIT ISSUED 1-9-85	5 1/2			17.50%
ILLING COMMENCED 1-27-85	4 1/2	5006	5006	225SX
ILLING COMPLETED 2-5-85	3			
APPLICABLE: PLUGGING OF DRY HOLE ON	2			
NTINUOUS PROGRESSION FROM DRILLING OR WORKING. VERBAL PERMISSION OBTAINED	Liners used			
DLOGICAL TARGET FORMATION Devonian Shale		Depti	3338	
		THE RESERVE OF THE PARTY OF THE		feet
Depth of campleted well 5006 feet F	Otary X	Cabla	TOOLG	
Water strate and 9/0	otary 10	/ Cable	10015	
Water strata depth: Fresh 940 feet;	Salt 184	feet feet		
Water strata depth: Fresh 940 feet; Coal seam depths: N/A	Salt 184	0.1		area? N
Water strata depth: Fresh 940 feet; Coal seam depths: N/A N FLOW DATA BG LM	Salt 184	feet feet		area? N
Water strata depth: Fresh 940 feet; Coal seam depths: N/A N FLOW DATA Producing formation Berea	Salt 184 Is coal h	feet peing mined	2418 3268	area? No
Water strata depth: Fresh 940 feet; Coal seam depths: N/A N FLOW DATA Producing formation Berea Gas: Initial open flow Mcf/d	Salt 184 Is coal b Pay Oil: Init	feet peing mined zone depth ial open f	2418 3268	feet
Water strata depth: Fresh 940 feet; Coal seam depths: N/A N FLOW DATA Producing formation Berea Gas: Initial open flow Mcf/d Final open flow 132 Mcf/d	Salt 184 Is coal b Pay Oil: Init	zone depthial open flo	2418 3268	feet
Water strata depth: Fresh 940 feet; Coal seam depths: N/A N FLOW DATA Producing formation Berea Gas: Initial open flow Mcf/d Final open flow 132 Mcf/d Time of open flow between initial	Salt 184 Is coal b Pay Oil: Init Fina al and fin	zone depthial open floal tests	2418 3268 Tow	feet Bbl/d Bbl/d
Water strata depth: Fresh 940 feet; Coal seam depths: N/A N FLOW DATA Producing formation Berea Gas: Initial open flow Mcf/d Final open flow 132 Mcf/d Time of open flow between initial Static rock pressure 520 psig (surface)	Salt 184 Is coal b Pay Oil: Init Fina al and fin	zone depthial open floal tests	2418 3268 Tow	feet Bbl/d Bbl/d
Water strata depth: Fresh 940 feet; Coal seam depths: N/A N FLOW DATA Producing formation Berea Gas: Initial open flow Mcf/d Final open flow 132 Mcf/d Time of open flow between initial static rock pressure 520 psig (surface (If applicable due to multiple completion-	Salt 184 Is coal b Pay Oil: Init Fina al and fin measureme	zone depthial open floal tests nt) after	2418 3268 10w hour	feet Bbl/d Bbl/d
Water strata depth: Fresh 940 feet; Coal seam depths: N/A N FLOW DATA Producing formation Berea Gas: Initial open flow Mcf/d Final open flow 132 Mcf/d Time of open flow between initial static rock pressure 520 psig(surface (If applicable due to multiple completion—Second producing formation Devonian Signature)	Salt 184 Is coal b Pay Oil: Init Fina al and fin measureme hale Pay	zone depthial open floal tests nt) after	2418 3268 10w hours	feet Bbl/d Bbl/d Bbl/d ss
Water strata depth: Fresh 940 feet; Coal seam depths: N/A N FLOW DATA Producing formation Berea Gas: Initial open flow Mcf/d Final open flow 132 Mcf/d Time of open flow between initial Static rock pressure 520 psig (surface)	Salt 184 Is coal b Pay Oil: Init Fina al and fin measureme hale Pay Oil: Init	zone depthial open floal tests nt) after zone depth	l in the 2418 3268 low hour 24 hours 3338	feet Bbl/d Bbl/d S 9/29/2023 feet Rbl/d

(142....)

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

Perforate 3615 - 4718 W/40 Holes 2808 - 3558 W/40 Holes 2420 - 2600 W/40 Holes

Acidize with 9,000 gal 15% HI1, 170,000 scfN₂ Frac with 1,800 gal 28% HCl, 60,000 20/40 sd, 8 1,000 MSCFN₂ Frac with 1,2000 gal 28% HCl, 60,000 # 20/40sd & 1,108 MSCN₂

WELL LOG

ORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
SAND & SHALE	0	510	
SLATE & SHALE	510	910	
SHALE	910	1200	
SANDSTONE	1200	1480	
SHALE	1480	2130	A Aug Live
PENCIL CAVE	2130	2140	TOTAL STATE OF THE PARTY OF THE
SHALE	2140	2150	io quied
LITTLE LIME	2150	2350	Constant
SHALE	2350	2418	Tool (e)
BIG LIME	2418	2618	
SHALE	2618	2798	
BIG INJUN	2798	2838	
SHALE	2838 •	2906	A Company of the Comp
UPPER WEIR	2906	2950	The second of th
SHALE	2950	3258	
COFFEE SHALE	3258	3268	
BEREA	3268	3338	(A) The second s
DEVONIAN SHALE	3338	5006	QT.
	The manager of the second		American Company of the Company of t
			TO YELL
	and the second second		
The state of the s			
			The Mark Color of the Color of

(Attach separate sheets as necessary)

LLEGHENY & WESTERN ENERGY CORPORA Well Operator	09/29/2023
By: JP/1/less	
Date: March18, 1985	and the second s

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 of a state of a sta

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES



OIL AND GAS WELLS DIVISION

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT, OF MINES

Permit No. 039-21114	Service of the servic	and the second second		or Gas Well		
Company Allegheny & Western	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKE	RS	
Address	Size					
Farm Imperial Cooleo.	16			Kind of Pack	er	
 In the Company of the C	13			A 200 3.2		
Well No. Imperial#19	10	u		Size of		
District Cabin Creek County Kanga	hg 81/4	de la seconda de		1 1 1 1 1 1 1 1 1		
Orilling commenced	6%			Depth set		
	5 3/16					
Orilling completedTotal depth	3			Perf. top	- 4.	
Date shotDepth of shot	2	1 2 20000		Perf. bottom_	-	
nitial open flow/10ths Water in	Inch Liners Used	NAME OF THE OWNER OF		Perf. top		
and the second s	AND AND SERVICE AND			Perf. bottom_		
pen flow after tubing/10ths Merc. in	_Inch	Section Section 1				
olume	Cu. Ft. CASING CEME	NTED	_SIZE	No. FT	Date	
ock pressurelbs	hrs. NAME OF SER	VICE COMPA	NY			
ilbbls., 1st 2	4 hrs. COAL WAS EN	COUNTERED	AT	רקקק	INCHES	
					**	
resh waterfeet	feetFEET_	INCH	ES	FEET	LINCHES	
alt waterfeet	feet FEET_	INCH	ES	FEET	_INCHES	
rillers' Names F. W.A. Drilling Co.	Rig#13	manager and the second	100 m			
	<u> </u>			,		
moved Rig on loc. Rathole, Blowedout R	ation 1-26-	-85, 51	grted	drillin	9	
Rathole, Blowedout R	at hole 4 con	nented	11/2/2	Inch.	1/200	
		1011104	01/10	100015.6	1955	

Today drilling surface at 40' deep + so aping hole.

1-28-85

Carlos w Hungly 2012023

Form 26 2/16/82

MEPT OF WINES

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No.		Well No.						
COMPANY			ADDRESS					
	DISTRICT COUNTY							
ú.				DA DUTAL	0311			
Filling Material Used			Market and the second s					
Liner Loc	cation	Amou	unt Packer	Loc	cation	11/2		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST		
			CHA CHO!					
				-				
	*			1				
	***				STATE OF			
			and the second s		3.0010136			
9								
1					_			
5	100 7665							
x 5								
Daille and Manager				and the same same same same same same same sam				
Drillers' Names			75.3					
Remarks:								
			con 10 estion 1-					
			dout Kating					
for the same								
	hereby certify I visit							
DATE								
3000	2) in comme		Clar	DICT WELL	9/29/2	023		
2			DIST	RICT WELL INS	ECTOR			

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

INSPECTOR'S WELL REPORDEPT. OF MINES

Permit No. <u>039-4114</u>		k tanan marayan a katan	Oil or	Gas Well	1
Company Allegheny & western	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS	
Address	Size				
Farm Imperial Cooleo.	16			Kind of Packer_	*
Well No Impenia/#19	13				2
District Cabin Creek County Kanguipe	81/4			Size of	
Drilling commenced	6%			Depth set	17.00
	5 3/16				
Drilling completedTotal depth	3			Perf. top	
Date shotDepth of shot	2			Perf. bottom	
Initial open flow/10ths Water in Inch	Liners Used			Perf. top	
Open flow after tubing/10ths Merc. inInch				Perf. bottom	
/olumeCu. Ft.	CASING CEMEN			No. FT.	Date
Rock pressure lbs hrs.		VICE COMPA			- F
bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETI	CHES
resh waterfeetfeet	FEET_	INCH	ES	FEET	NCHES
alt water feet feet	FEET_	INCH	ES	FEETI	NCHES
Orillers' Names F.W.A. Doilling Co. Rig#	/3	and the second s		20 1.00	1,2
emarks:				ż	
Set 1265 of 9 \$ Casi of 0/955 A. 3% c.c. Plug	ing + Cer	mentes 10:00 a	eniti	4755X	5.
J					

1-30-85 BATE Carlos w. Herofixe 12023 TOB

Form 26 2/16/82

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

OMPANY	and the second second	Transparence and the second	ADDRESS				
ARMDISTRICTCOUNTY							
-		the state of the s	0000	22 4 65636	I to nex		
illing Material Used							
iner Loc	ation	Amou	ant Packer	at Cart	ation	707	
	ND DEPTH PLACED	Amou				DIVIO:	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	BRIDGES CONSTRUCTION LOCATION		S AND TU		
CEMENTATIONNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOS	
_			A CONTROL OF THE BEST OF				
				-			

					A CANADA		
			the black and the second secon				
		r a silves i					
		- Pro- 101					
rillers' Names					· •		
				a la companya da la c			
emarks:							
			16 41 10 13 3 3 1				
DATE	hereby certify I visi	ted the above w	ell on this date.				

DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

FEB 1 3 1985

OIL & GAS DIVISION

DEPT. OF MINES

INSPECTOR'S WELL REPORT

			(KIN	Gas Well	
Company Allogheny & Wiestern	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS	
Address	Size				
Farm Imperial Cool Co.	16			Kind of Packer.	
Well No Imperial # 19	13				The state of the s
	10			Size of	
District Cahin Crack County Kanauha	81/4		102 102 203100 000	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7
Drilling commenced	6%			Depth set	, Ås.
	5 3/16				
Drilling completedTotal depth	3		-	Perf. top	-
Date shotDepth of shot	2			Perf. bottom	
Initial open flow/10ths Water inInch	Liners Used			Perf. top	
				Perf. bottom	
Open flow after tubing/10ths Merc. inInch					
VolumeCu. Ft.	CASING CEMEN	NTED	_SIZE	No. FT	Date
itock pressure lbs. hrs.	NAME OF SER	VICE COMPA	NY		*
Oilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEET	NCHES
Fresh water <u>feet</u> feet	FEET_	INCH	ES	FEET	INCHES
Salt water feet feet	FEET_	INCH	ES	FEET	NCHES
Drillers' Names F.W.A. Drilling Co. Righ	4/3	and the second s			- 1 - 1
Remarks: Set 3605' of 7" Casin Class A. 3% C.C. Plugdo drilling at 4180' deep	ownati	midnigh	t 2-3	1755KS.	of

Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No.	* 7 ***				(A) (V	Vell No.	1
COMPANY				ADDRESS			
)							
Liner	Loc	ation	Amou	nt Packer	Loc	cation	11117
PLUGS	S USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND T	JBING
CEMENT-THICK	NESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
2 12 12 12 12 12 12 12 12 12 12 12 12 12		10 10 10		CHI SERVICE		7	
							-
10						-	-
4							
					C C		
					*		
1					x		
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1							
						Marketon and the second	
Drillers' Names							
				339			
Remarks:				51 - 20 - 21	12721	11	
Kemarks.				21 #6 y 32 bus	1111/11/11/11	27 /	
	XA I	1 6 3 41, 4		1 60156) (36056		2
	C 1 - 7	- B Th = "	p.101 + 10	. Costante De			
		1.1		4186 deep + do	70 64		J.
	Segment of the Control of the Contro						
DATE	I	hereby certify I visi	ted the above we	ell on this date.			
· hu	. He	arlasa		<u> </u>		10010	-13 (
1000		30 C-1010 113		DIS	TRICT WELL INSP	3/29/2 ECTOR	023

Permit No. 039-4/14

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES

Oil or Gas Well.

		Constitution and the second			-
Company Allegheny & Western	CASING AND	USED IN DRILLING	LEFT IN	PACKERS	-
Address	Size				-
Farm Imperial Coal Co.	16			Kind of Packer_	_
Vell No Emperial # 19	13				_
	10			Size of	1000
District Cabin Creek County Kansuba	81/4		No Park Co		
Orilling commenced	65/8		-	Depth set	-
rilling completedTotal depth	5 3/16				- 3
	3			Perf. top	
ate shotDepth of shot	2	- two largest continues.		Perf. bottom	
nitial open flow/10ths Water inInch	Liners Used			Perf. top	
pen flow after tubing/10ths Merc. inInch		3 33 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		Perf. bottom	-
olumeCu. Ft.	CASING CEMEN	veno.	avan.		-
	NAME OF SER			No. FT	Dat
ock pressurelbshrs.	NAME OF SER	VICE COMP	ANI		
bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETI	NCHE
resh water <u>feet</u> feet	FEET_	INC	HES	_FEETI	NCHE
alt waterfeetfeet				FEETI	
Euro Barilli e ni		- Section where	unter the section of		
rillers' Names F.W. A. Orilling Co. Rig	# 13				
emarks:		-		,	-
T.D. hole at 5006	deep o.	ク ヨーら	-85.	Today	-
moving Rig off loca	tion				7.
17 1024	1000.				

9-6-85 BATE Carlas Con Hango 2023
DISTAICH WELL INSPECTOR

Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No Well No							
COMPANY			ADDRESS				
			O extension		ille		
Filling Material Used							
3-	ation	Amoun	· Constitution of the cons	Loc	cation	1	
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN		BING	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST	
			BALL CONTROL OF				
1				10			
	7 20 00 00 00 00						
		man a mile .					
1			man of the Samuel Control	4.0.1			
-	2100 -110	THE RESERVE					
	139.3		12 (24)				
Drillers' Names				A CONTRACTOR OF THE CONTRACTOR		The second of th	
Traines							
Remarks:			Hing Ec Rigalis	11.	Tax.	MTSON CONTRACTOR AND ADDRESS OF THE	
DATE I	hereby certify I visit	ed the above wel	l on this date.				
DATE							
A CONTRACTOR OF THE PARTY OF TH			DIST	RICT WELL INSP	9/29/2 ECTOR	.023	

Permit No. 039-4114

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES

Oil or Gas Well

CASING AND USED IN LEFT IN PACKERS Company Hllogheny & Western Size Address Farm Imperial Coal co. Kind of Packer Well No. Imperia /# 19 Size of District Capin Prestounty Kangusky 81/4_ 65% Depth set___ Drilling commenced_ 5 3/16_ Drilling completed_____Total depth Perf. top____ Date shot_ _____Depth of shot Perf. bottom___ Liners Used Perf. top___ Initial open flow______/10ths Water in___Inch Perf. bottom_ Open flow after tubing_____/10ths Merc. in___ Volume Cu. Ft. CASING CEMENTED SIZE ____No. FT____Date NAME OF SERVICE COMPANY Rock pressure___ hrs. bbls., 1st 24 hrs. COAL WAS ENCOUNTERED AT____ _FEET__ ___INCHES Fresh water_ feet feet FEET INCHES FEET _INCHES Salt water_ feet feet FEET INCHES FEET_ _INCHES Drillers' Names. Remarks: Doing well perforation young wireline service doing Job.

9-8-85 BATE Carles w. Hang 12012 1023

Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

ermit No.	Well No.					
OMPANY			ADDRESS			
						A.
			77.73	22.4.61624	Sea of	
illing Material Used					West the same parties decreased account	
iner Lo	ocation	Amount	Packer	Loc	cation	1/7
PLUGS USED	AND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
			beforeigh			Representation of the least of
						-
-						
						SEPHENDER SERVICE SERV
5					1480 miles	-
	1/3/2					
			an der de ser en en en el en seu dade elle adre elle elle elle elle elle elle elle e			
rillers' Names						
1		J.				
emarks:						
	I horoby ocatifu I	44.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	this date			
DATE	I hereby certify I visi	ted the above well	on this date.			

DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES





INSPECTOR'S WELL REPORDEPT. OF MINES

Permit No. (157-111)	Oil or Gas Well				
Company Allegheny + Western	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PAC	(ERS
Address	Size				, j.
Farm Fmperial Coal Co.	16			Kind of Pac	ker
Well No Imperial#19	13				f s
District Cabin Creek County Kanguba	81/4			Size of	
Drilling commenced	6%			Depth set_	
	5 3/16				
Drilling completedTotal 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 CEMEN	NTED	SIZE	No FT	Data
Rock pressure lbs hrs.	NAME OF SER				Date
Dilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
Fresh waterfeetfeet	FEET_	INCE	IES	_FEET	INCHES
Salt water feet feet	FEET_	INCH	IES	FEET	INCHES
Orillers' Names					
				ž	
Doing well Frac,	Dowel	1 doin	e Fra	1	-

3-11- 85 DATE Carlos W District Water Meratron

Form 26 2/16/82

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

MOTERVISE SAD & JID INSPECTOR'S PLUGGING REPORT

Permit No Well No								
	ADDRESS							
FARM		DISTRICT _	C	COUNTY		_		
				29. J. Lusie	1			
Filling Material Used								
				1111		-		
iner Loc	cation	Amou	nt Packer	Loc	ation			
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASINO	G AND TU	BING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST		
			Secretary Last Sec.					
						ance the desired methods are an area of the second		
				-				
*								
rillers' Names								
		Addition to the Control of the Contr			VA208/ETEROTORONIAMANIA AUG	***************************************		
Remarks:								
	hereby certify I vis	ited the above we	ell on this date.					
DATE								
				RICT WELL INSP	0/20/2	023		

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

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

JAN 8 1986

Company: ALLEGEHENY	& WESTERN	ENERGY CORP.	Permit No. 47- 39-4114	(1-09-85
Farm: IMPERIAL COAL	COMPANY	Well: IMPERIAL #1	9 County:KANAWHA	

Rule	Description	Yes	No
	Notification prior to starting work	with kink this title kink mig mer day tall kink	and and and one one part too one out of and the one.
25.04	Prepred before drilling to prevent waste	NOT THE WAY THE THE WAY THE THE THE	one can can be not cut also see any
25.03	Hish pressure drillins	Min that and attack only till also take (as).	their mad also constitute what take says stably
16.01	Required permits at wellsite	unt pas het pils met beg ann met eja	the life are the test and the life life test
15.03	Adequate Fresh Water Casins	Mile the test the day and the day and	NOW HOW SHIT NOW HOSE AND LOW TOP THE
15.02	Adequate Coal Casins	ages dark with state and over the state with	can be the can has per use me eco
15.01	Adequate Production Casins	nie an no se on ho so mit ne	mite etile seps were tild som tage safer pits
15,04	Adequate Cement Strensth	have also make take that that does now mile	esse rate part code clin dell' tred clin sitte
15.05	Cement Type	the set till the sty too test tilk tilk	Jon was well tow map side lone date you
23.02	Maintained Access Roads	NOT THE THE REAL PROPERTY AND THE THE	tion will contribut this sales that time time
25.01	Necessary Equipment to Prevent Waste	right dress state facts dress trees calls	con view con con and the ten rep.
23.04	Reclaimed Drilling Pits	ant right spir task that then have then may	due may new cool ways each beat over more
23.05	No Surface or Underground Pollution	NW 900 No. 507 NO. 465 NO. 508 NO.	No art and one have also and the try
23.07	Requirements for Production % Gathering Pipelines	AND STATE OFFE THE STATE OFFE CO.	NOT THE THE THE THE SEC SEC SEC.
16.01	Well Records on Site	MA NO. NO. 100 TO 100 AND 200 TO 120	AND THE RESERVE WELFILE WAS THE FEE.
	Well Records Filed	box dels that glad day age best day gas	and that the species was now that
5	Identification Markinss	alter have been ton extent more spite tone work	table state state (and table reas, table state itself

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

DATE 12/33/85

In Compliance

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

Administrator

January 16, 1986

Date

STATE OF MEST VIRGINIA DEPARTMENT OF MINES OFFICE OF DIL AND GAS CHARLESTON 25305 FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT



2001 8 1996

			:e: ALLEGEMENY & WESTERN ENERGY CORP. IMPERIAL COAL COMPANY Well: IMPERIAL \$19		
			Description		
			H019 A11Dead		
			otification prior to starting work		
			equired permits at wellsite	a to a	
				A EGAL	
			debuate Coal Casins	A \$0.1	
			dequate Production Casing	A 10.3	
			ement Take		
		2 - 12 0 A N 1 A	sintained Access Roads		
			ecessary Equipment to Prevent Waste		
		TO SERVICE OF THE A	eclaimed Drilling Pits		
			o Surface or Underground Pollution		
		lines	scuiresents for Production & Gathering Pire		
			ell Records on Site		
			ell Records Filed		
			ปียกผู้ได้เลย์น้อย พืชหนักรร	1	
	RELEASED:	HMEND THAT IT BE	INSPECTED THE APOVE CAPTIONED WELL AND RECO		
		SIGNED			
		DATE			

inabilāšīlītinu

January 16, 1986

dell

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

		THE NATURAL	L GAS POLICY	ACT (NO	GPA)	
(If not assigned, leave blank, 14 digits 20. Type of determination being sought:	.)	_47	- 039 - 4	414	DRA	
(Use the codes found on the front					WISO.	PINSI
of the form)	1		107		110	20
3.0 Depth of the deepest completion			Section of NGPA	Catego	v Code IIIN	- 3 1985
location. (Only needed if sections 103	i					
or 107 in 2.0 above)	1				S JIO	GAS DIV.
4.0. Name, andress and code number of					DEPT.	OF MINES
applicant (35 latters per line	i A	llecheny & Wo	store F			THITTES
maximum. If code number not	Nam	llegheny & We	stern, Energy	Corpora	tion	N/A
available leave blank.)	_ P	.O. Box 2587				Sever Cos
	Stree					
	C	harleston		WV	2526	
O Location of this well [Complete (a)	City			State	2532	
or (b)]	1			Diate	Zip Ci	пе
(a) For onshore wells		abin Creek Dis	Strict			
(35 letters maximum for field	Field	Name anawha				-
na ne i	I. Count			WV		
(b) For OCS wells:	1 Count	TY		State		
	1					
	Argal	Vame			_	
					Block iden	tier
	i	D-	te of Lease:			
	i		NA II	37.4		
(c) Name and identification number	1	Mo.	Day Yr.	NA		
of this well. (35 letters and digits	-	T		OCS LE	ase Number	
maximum)	-	LMPERIAL *	= 19			
(d) If code 4 or 5 in 2.0 above, name	-					
of the reservoir: (35 letters	1					
maxemum)						
(a) Name and code number of the	-					
purchaser: (35 letters and digits	1					
maximum. If code number not	i Mo	untaineer Coo	0			
availatin leave blank.)	Name	untaineer Gas	Company			NA
(b) Date of the contract:						Buyer Code
			N .			
In the second	1			4		
(c) Estimated total annual production from the well:	1		Mo. Day	Yr.		
Well.	i					
	!				_ Million Cubic	- 781
				(c) A	l! Other	
		(a) Base Price	(h) Tax	1	Indicate	(d) Total of las
Contract of Co				1	(-)	(b) and (c)
As an immediate Complete to 3	S/MMBTU	2				
degemation and a	!	3.400		_		3 4 0 0
Maximum Try Collete.						
As of filling date. Complete to 3	S/MMBTU!		D = = =			
recimal praces /			DERE	GULA	TED	
erson responsible for this application:						
Agus	RH	Hess	.)			
Agen y Use O dy	Name	70/	× / /		Preside	ent
UN - 3 1985			land		Title	
Reserved by 1-100	Signature	3.101				
	MARC	H 22,1985		30	04-343-43	27
0-171 (5-82)	Date Appl	cation is Completed		-		
1 - 1 1 - 13 - 1				Pho	ne Number	

Phone Number

STATE OF WEST VIRGINIA

JUN 28 1985 JUN28:1985

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR	WELL CLASSIFICATION
Date: MARCH 22 ,19 85 1/00	AGENCY USE ONLY DEV
Applicant's Name: Allegheny & Western Energy	WELL DETERMINATION FILE NUMBER
Address: P.O. Box 2587 Charleston, WV 25329	850603 -1073039-4114
Gas Purchaser Contract No. KAN-1	Use Above File Number on all Communications Relating to This Well
Date of Contract NA (Month, day and year)	
Mountaineer Gas Company	Designated Agent: Roland C. Baer, Jr.
Address: P.O. Box 3152 Charleston WV	Address: P.O. Box 2587
(Street of P.O. BOX)	Charleston, WV 25329
(City) (State) (Zip Code) FERC Seller Code	FERC Buyer Code
NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING ADDRESSED:	NG THIS APPLICATION SHALL
Name: R H Hess (Print)	President
Signature:	(Title)
Address: P.O. Box 2587 (Street or P.O. Box) Charleston, WV	25329
Telephone: (City) (State) 304 343-4327 (Area Code) (Phone No.	(Zip Code)
(Certificate of Proof of Service to Purchas	ser)
NGPA Catagory Appl	ied For
IGPA SECTION/SUBSECTION	
02 New Natural Gas 102-2 2.5 Mile Test 102-3 1000 Foot Deeper Test 102-4 New Onshore Reservoir	108 Stripper Well Natural Gas 108- Stripper Well 108-1 Seasonally Affected 108-2 Enhanced Recovery
03 New Onshore Production Well 103 New Onshore Production Well	108-3 Temporary Pressure Buildup
07 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
RECEIVED JUN - 3 1985	09/29/2023
OIL & GAS DIV.	

JUN - 3 1985 ate Received

DEPT. OF MINES

JUN 28 1985 Determination Date

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

Operator: Allegheny and Western Energy Corp. Agent;
Type Determination being sought - 107 (Devonian Shale)
API Well No.: 47-039-4114 Well Name: Imperial #19
West Virginia Office of Oil and Gas County: KANAWHA References: SJA File No.
Vol Page Line
I. NOTE: A Gamma Ray Log has been marked with the (a) Shale Base Line, (b) a line representing 0.7 x (Shale Base Line), (c) intervals with Gamma Ray units less than 0.7 x (Shale Base Line) and that log is included with this analysis.
II. Gamma Ray elevation indices:
A. Shale Base Line (API Units)
1. GR Value at Base Line = 140 * API Units 2. Remarks:
· Camma Ray Scale = 0 -> 200 API Units
B. Gamma Ray Log Value at 0.7 x Value at Base Line
1. GR Value = 140 * API Units 2. Calculation: 0.7 (GR Value at Base Line) 0.7 (140 *) = 98 API Units
III. Intervals with GR index less than 0.7 x (Value at Base Line):
Interval Thickness Feet of less than* of Interval 0.7 (Shale Base Line
From** To*** Feet Feet
3340' 5022'
Total Devonial Interval 1682'
Total Less Than 0.7 (Shale Base)
7. Less Than 0.7 (Shale Base Line) = 0.0107 x 100 = 1.07 %
7. Less Than 0.7 (Share
in the section of the

*Marked on log included with analysis.

**Top of Devonian Section Recorded on First Interval in this Column

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

FORM: 1V-55WC (12-78)	STATE OF W	EST VIRGINIA	Date MARCH 22, 1985
	DEPARTMENT OF MINES	OIL AND GAS DIVISION	Operator's
			API Well No.
			47 - 039 - 4114
		я 1	State County Permit
		IFICATION FORM	
		L - DEVONIAN SHALE	
		DESIGNATED AGENT RO	land C. Baer, Jr.
		ADDRESS P.O. Box 2	587
		Charleston	, WV 25329
UELL OURDAMOR		LOCATION Elevation_	
	gheny & Western Energy C	orp. Watershed	
ADDRESS P.O. Box 2	2587	Dist. Cabin Crk. Count	Y Kanawha Quad. Eskdale
	n, WV 25329	Contract No. KAN-	1
GAS PURCHASER Mount			1110
ADDRESS P.O. Box 3		Meter Chart Code \	114
Charleston	n, WV 25332	Date of Contract	-21-84
Date surface drilli	* * * * * ing began: 1-27-85	* * * ;	*
	n hole pressure of the	well and explode have al	
From Department of	Interior Monograph 7	well and explain now th	nis was calculated.
BHP = Absolute stat BHP = (15 + 65 BHP = (700 + 57 BHP = 751	ic pressure plus pressur 85) + (Specific Gravit 7)	e from gas column y X Depth)	
,			
	AFI	FIDAVIT	
described in subpart report described in of potentially disqu percent of the gross not described in the	, having been he percentage of footage indicated by a Gamma Ray agraph (3)(i) or (3)(if subparagraph (3)(ii)(Bualifying non-shale foots Devonian age interval application which is cost natural gas well.	(A) has been filed, o); I have demonstrated tage is equal to or le ; and I have no knowle	erval which is not 7 if a Gamma Ray log r as indicated by the that the percentage ss than five (5) dge of any information nclusion that the well

- OFT Wess
TATE OF WEST VIRGINIA
DUNTY OF KANAWHA , TO-WIT:
Deborah J. Kuhl Auyier , a Notary Public in and for the state and county
oresaid, do certify that R.H. Hess
knowledged the same before me, in my county aforesaid.
ven under my hand and official seal this 22 day of February 1985
term of office expires on the 29 day of May , 1990 .
$\lambda = \lambda =$
OTARIAL SEAL)

