FORM IV-2(B) (Obverse) 7-83



		State	County	Permit	
	API Well No.		105	-2002-	1102
2)	Operator's Well No. 8	40		(ahç-vil Məro	i.
1)	Date: Sept	. 1		, 1983	

(CORRECTED PERMIT NUMBER)

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

APPLICATION FOR A WELL WORK PERMIT

4) WELL TY								DIFICATIONS	_/ ShallowX_/)
5) LOCATIO	ON: Flo	evation:	666	05'	^	Watershed:	Striaght Fo		_/ Shallow/) Kanawha River
o, Locatio	Di Di	strict:	Burnin	a Sni	rings	County: W	irt	Quadrande	7.5' Annamoriah
6) WELL OF	PERATOR	Sterl	ing Dr	illi	na & I	Prod Co I	nn DESIGNATE	DAGENT Harr	y L. Berger, Jr.
Addres	s 3	360 Mag	dison	Ave.	Fift	h Floor	Address		inia St., E.
		lew Yor					ridaress		on, W.V. 25301
OIL & GA							9) DRILLING C		O113 W. V. 20001
Name		Mace						UNKNOWN AT	THIS TIME
Addres	The state of the s	.1 Box	x 5				Address	OTTATIONAL TITLE	HILO TITLE
	The state of the s	and the second second second second second second	the state of the s	XX.Sa	andrio	dge, W.V.	1 Iddi Coo		= (a)
) PROPOSI						l deeper	/ Redrill	/ Stimulate	Pag 11 1
		··· Ortice				n/ Perfor		Summare	511/1
						in well (specify)	19/11/10		
GEOLOG	ICAL TAR	GET FOR					66	CED 0 0 108	
12) Estim								3EF & 0 130.	
					CONT. CO. L. C. CO.	feet; salt		feet.	
14) Appro						ON K Is co	al being mined in the	Carea & GAS DIVIS	SION , V
CASING						- Is co		PT. OF M	INES
ASING OR	11		CIFICATION	S		FOOTAGE	Protein Farm	CEMENT FILL-UP	l provens
UBING TYPE	Size	1	Weight	1	Luna		1	OR SACKS	PACKERS
nductor	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
sh water	9 5/8	10	33#	V		300'	300'	T C C	Kinds
l and a second	3 3/0	LS	33#	^		200	200	To Surface	By Rule 150
ermediate	¥17"	J-55	20#	X		18201	18201	100 1	Sizes
duction	4 1/2		The real section was a second	-		1020	FRANCE	100 sks	
oing	4 1/6	ERW	10.5	F X	1	THE REAL PROPERTY OF	2000	250 s k s	Depths set
ers		49.77				A LIFERENCE DE	JITAU -		
CIS									Perforations:
		ZHULLS			Vas b	ER 2000ATTHONO (M: 1150 10 39 80	di brever or ai ti	Top Bottom
	H-13-						ole Cl		
- T				2)nac	Loggistal	OFFICE USE O	ONI V		- Levienes a pitching i
g - 5% - 5, T.						DRILLING PE		+	
						DRIELING FE	KIVIII		Well work started
mit number_	47-1	05-200	2- 1	102			F	Octob	er 20 19 83
								Dat	entabled to none (gmo.)
s permit cove	ring the we	ell operato	r and well	locatio	n shown	below is evidence of	of permission grante	d to drill in accordan	ce with the pertinent legal re-
cincints subje	ct to the co	ilultions c	ontained i	ierein a	na on th	e reverse hereot. No	tification must be a	ven to the District Oil	and Gas Inspector, (Refer to tractor shall notify the proper
rict oil and g	as inspector	24 hours	before ac	tual per	rmitted w	work has commenced	in addition, the we	operator or his con	tractor shall notify the proper
								1:0:	nd conditions specified on the
rse hereof.			THE PRODUCT	unu /1	ppiicatio	ii, piat, and reciama	ttion plan, subject to	any modifications as	nd conditions specified on the
nit expires _	Octob	er 20,	1985			unless well	work is commenced	prior to that date and	prosecuted with due diligence.
Sond:	Agent	. D	late	Costa	- 1	E			OTHER INSERCTIONS
AA !	Agent	/	lat:	Casin	8/	Fee			
1)1)	SK	100	4 6		12	241	The same of the sa	-111	LUCANON MARKET
VV	/	10				3)0		////	
$\nu\nu$		10			13	220]	1	H K	\mathcal{A}

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

01/05/2024

105 -2002 County Petrait

Reason: _





FILECOPY

OFFICE USE ONLY

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

de Promeda 12.1			County LLL	abajaa L	2 points		
. Berroer Un		D. DESIGNATED	mI a.cobo	ng i phi		RATOR SCENE	6 WELL OF
mastr.e.E.	ronty off			A Eifth			Address
10 35 a.V. W							
		n DEIELING CO			H NOT THE	INSPECTOR TO I	.8) OIL & GAS
						KORIL BOX	
			.V.W	painbride.	A ARVANA		
		Heddill.	deepur		M. and	WELL WORK	IO) PROPOSEI
		te new loginalion		noitannoi bi			
						ALTARUBTION	H GEOLOGIC
			feet	5000	d wells	ed depilit of complete	iz) Estimat
						imate trets depths:	13) Арргох
		arti ni bodan gajed l			ins:	nnate coal seam dept	kornigA (41
claV)	MA And TE	TA			KAM	NOTUBLING PROD	15) CASING A
PACKERS	CEMBRI PHOLES	PERVALS.			PICALONS	svir	
	OS SACNS (Crime teet)		vailinh vos	bastl. Fra	Velght 1	Size Grade	SALL DAMESTS
151 Part 150		3000	3000		334		inter distri
							lao 2
		1820,	18201			1835 L 27W	
	25.0 sks	EDDO.			42.0	THE THE PRINT	so molembari
		OFFI	CE USE ONLY				Tubing
Perturationes							Limits
This part of Form IV-2(b) is to record th	e dates of certa	in occurrences	and any foll	low-up ins	pections.	
		Date				Date	e(s)
Application received		NUM	Follow-1	ip inspection	n(s)		
Well work started		MLT	rii, Ming Per	U "			
	Octobe	100				47-105-200	
Completion of the drilli							
process			to surphive at Wals	o nwork cons	and well loc	ng also well aparator	Chis perratt coveri
Well Record received			k has commenced	permitted wer	es, veremons	inspector 24 hotes	listatet oil and gas
Reclamation completed			istimates our man	64444			everse hereof.
cosecuted with directil gence.	cior lo lant date and p		unicos wejt w			October 20,	
OTHER INSPECTION							
			20	в 🗎 же	52 × 78	Agent: Pl	Bond:
Reason:	Free Printerson			2 1	20 1	John Va	AND

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

FOR	MIV	,
(Obv	erse)	
(6-82	(!)	

Bond:

Agent:

·Plat:

Casing

Fee

UNKNOWN





)	Date: S	cember	1	19.83
	1000			

2) Operator's Well No.

unless drilling is commenced prior to that date and prosecuted with due diligence.

	840
F	

2002 1102 Permit

	44 C11	.40	0.10		_
3)	API	Well No.	47	105	*
			State	County	

ST	ATE OF WE	ST VIRGI!	NIA	
DEPARTMENT	OF MINES	OIL AND	GAS	DIVISION

4) WELL TY				-		GAS WELL PER			
	YPE: A C	oil	/ G:	. X					
			Production		X	/ IInd		Service Management	
5) LOCATIO			666.0		•	Watershed:	Straight Fo	rk & little k	Shallow X Kanawha River .
	D:-	B	Burning	Spri	ngs		Wint		7 51 6
6) WELL OF	ERATOR_	Sterli	ng Dri	lling	1 & Pr	od. Co., Inc	11) DESIGNATE	DACENT Harr	: /.5' Annamorial ry L. Berger, Jr.
Address	.5	JUU Ma	u13011 /	AVE.	FILL	Floor	Address	710	Virginia St., E.
		New Yo	rk, Nev	N Yor	k 10	017	71001033		leston, WV 2530
7) OIL & GA	S	D							
ROYALT: Address	Y OWNER	Parke	ersburg ersburg	Nat W.	ional V. 261	Bank .01	12) COAL OPER Address	ATOR UNO	PERATED
		88					Application Age Nation		Rev. No. of Carlot
Acreage						100	13) COAL OWN	ER(S) WITH DECL	ARATION ON RECORI
8) SURFACE			aco Co		ation		Name	UNKNO	
Address	-		urguson		1 061	01	Address		
		138.0	ersburg	, W.V	7. 261	01			. Warnerstein W.
Acreage			, -				Name		Maria Service Committee
9) FIELD SA		DE) TO:					Address	mend of	
Address						1011	CALLU	111	
)) OII & CA	S INCRE	OP 75	F 115=			18/82	(4) COAL LESSE	E WITH DECLAR	ATION ON RECORD:
O) OIL & GAS	Den Ma	CA TO B	E NOTIFI	ED		137	Name	CHILDRAN .	2-712 for the 10
Address		1 Box	5				SEP Address 198	3	and the second
Address			W.V. 2	25274	3 33 13 13				
) PROPOSEI						-	OIL & GAS DIVI	SION	
, I KOI OSEI	J WORK:		X			Redri	- Fra	ture or stimulate_	
			f old form			Perforate	new formation	AND TOTAL	San San San
GEOLOGIC	TAI TARC	Other p	hysical cha	inge in	well (spe	ecify)			
GEOLOGIC 17) Estimat	ed depth of	EI FORM	ATION,	DKUI	WIN SHA	ALE			
18) Approx	imate water	strate de-	well,			feet			
18) Approx 19) Approx	imate coal s	strata dep	ins: Fres	n,		0	salt,	feet.	
						0 Is coa	d being mined in the	area? Yes	/ No X
CASING AN	ND TUBING	G PROGR	AM					A Company	
CASING OR	11	SP	ECIFICATIO	NS	1		100000000000000000000000000000000000000	I have to be	
TUBING TYPE	Size	Grade	Weight per ft.	1		.00170	E INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
Conductor		0.22	per it.	New	Used	For drilling	Left in well	(Cubic feet)	1 1 3 L 3 L 3 L 3 L 3 L 3 L 3 L 3 L 3 L
Fresh water	9 5/8	LS	33#	V		2006	A SALES OF THE SAL	1 18 18 1 NO.	Kinds
Coal	1 0/0		33#	X		300'	300'	To Surface	
Intermediate	7"	J-55	20#	X		14 = -/	WINDS STREET	San Dale State	Sizes
Production	4 1/2	ERW	10.5#	X		1820'	1820'	100 sks	
Tubing	-/-	LIVI	10.5#	^			5000	250 sks	Der hs set
Liners							The state of the s	1 1 1 1 1 1 1 1 1 1 1 1	
						8 00 04 01 0 0 000			Perforations:
		_					7	We with the second	1 - 2
				F1 X 1.					Top Bottom
EVTD	N PICHTS			Links and		Assert Control of the			
CALKACTIO						make the state of the state of	Mary Mary and and a		
	dia the l	e or lease	wing:						
Check and pro		e of leases	or other	continu	ing cont	ract or contracts b	y which I hold the r	ight to extract oil or	925
Check and pro	uirement of	Code 22-	4-1-(0) (1)	+ h	n (4)	or reverse side for			
Check and pro Include The req ROYALTY PR	ROVISIONS	2				side for	specifics.)		
Check and pro Include The req ROYALTY PR	ROVISIONS		Carrier of	. 500	MA T	The same of the sa	specifics.)		The second
Check and pro Include The req ROYALTY PR	ROVISIONS		Carrier of	. 500	MA T	The same of the sa	specifics.)		The second
Check and pro Include The req ROYALTY PR Is the right to e similar provisite produced or m	ROVISIONS extract, prod on for comp	duce or ma	to the own	l or gas	based up	oon a lease or other	continuing contract	or contracts providing	The second
Check and pro Include The req ROYALTY PI Is the right to e similar provision produced or m	ROVISIONS extract, prod on for comp	duce or ma	to the own	l or gas	based up	oon a lease or other	continuing contract	or contracts providing	The second
Check and pro Include The req ROYALTY PI Is the right to e similar provisit produced or m e answer above Required Copie	extract, production for complarketed? Ye is No, nother the contract of the con	duce or ma pensation Yes \(\bar{\text{\tin}\text{\tett{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\tin\text{\text{\texit{\texi{\texi{\texi{\texi{\texi{\texie\texi{\text{\texi}\text{\texi{\text{\texi}\texi{\texi{\texi{\tet	to the oil to the own No XX ional is need	l or gas ner of t	based up the oil or f the ans	oon a lease or other gas in place which wer is Yes, you ma	continuing contract h is not inherently y use Affidavit For	or contracts providing related to the volumer m IV-60.	ng for flat well royalty or e of oil or gas so extract
Check and pro Include The req ROYALTY PI Is the right to e similar provisit produced or m e answer above Required Copies Copies of this I	extract, prod on for comp parketed? Ye is No, noth es (See rever	duce or ma pensation Yes \(\text{N} \) ning additionse side.)	to the own	l or gas ner of t	based up the oil or f the ans	oon a lease or other gas in place which wer is Yes, you ma	continuing contract h is not inherently by use Affidavit For	or contracts providing the contracts of the volume of the related to the volume of the contract of the contrac	ng for flat well royalty or e of oil or gas so extract
Check and pro Include The req ROYALTY PI Is the right to e similar provisit produced or m e answer above Required Copies Copies of this I	extract, prod on for comp parketed? Ye is No, noth es (See rever	duce or ma pensation Yes \(\text{N} \) ning additionse side.)	to the own	l or gas ner of t	based up the oil or f the ans	oon a lease or other gas in place which wer is Yes, you ma	continuing contract h is not inherently by use Affidavit For	or contracts providing the contracts of the volume of the related to the volume of the contract of the contrac	ng for flat well royalty or e of oil or gas so extract
Check and pro Included The req ROYALTY Pro Is the right to estimilar provision produced or me answer above Required Copies Copies of this Inamed coal ope Mines at Charles	extract, prod on for comp harketed? Ye is No, noth es (See rever Permit Appl erator, coal eston, West	duce or ma pensation Yes \(\text{N} \) ning additionse side.)	to the own	l or gas ner of t	based up the oil or f the ans	oon a lease or other gas in place which wer is Yes, you ma	continuing contract h is not inherently by use Affidavit For	or contracts providing the contracts of the volume of the related to the volume of the contract of the contrac	ng for flat well royalty or a e of oil or gas so extract
Check and pro Include The req ROYALTY PI Is the right to e similar provisit produced or m e answer above Required Copie Copies of this I named coal ope wines at Charle otary:	extract, prod on for comp harketed? Y is No, noth es (See rever Permit Appl erator, coal eston, West	duce or ma pensation Yes \(\sum_{\text{ining additives side.}} \) dication and owner(s), Virginia,	rket the oil to the own No XX ional is need the encloand coal le	l or gas ner of t	based up the oil or f the ans	oon a lease or other gas in place which wer is Yes, you make the day of the received the day of the d	continuing contract h is not inherently y use Affidavit For we been mailed by re nailing or delivery	or contracts providing the contracts of the volume of the related to the volume of the contract of the contrac	ng for flat well royalty or a e of oil or gas so extract
Check and pro Include The req ROYALTY PI Is the right to e similar provisit produced or m e answer above Required Copie Copies of this I named coal ope wines at Charle otary:	extract, prod on for comp harketed? Y is No, noth es (See rever Permit Appl erator, coal eston, West	duce or ma pensation Yes \(\text{N} \) ning additionse side.)	rket the oil to the own No XX ional is need the encloand coal le	l or gas ner of t	based up the oil or f the ans	oon a lease or other gas in place which wer is Yes, you make the day of the received the day of the d	continuing contract h is not inherently by use Affidavit For we been mailed by renailing or delivery of Signed:	or contracts providing related to the volume m IV-60. Existered mail or delification of this Permit Application.	vered by hand to the abo
Check and pro Include The req ROYALTY PI Is the right to e similar provisit produced or m e answer above Required Copie Copies of this I named coal ope wines at Charle otary:	extract, prod on for comp harketed? Y is No, noth es (See rever Permit Appl erator, coal eston, West	duce or ma pensation Yes \(\sum_{\text{ining additives side.}} \) dication and owner(s), Virginia,	rket the oil to the own No XX ional is need the encloand coal le	l or gas ner of t	based up the oil or f the ans at and re n or befo	oon a lease or other gas in place which wer is Yes, you make clamation plan have the day of the re-	continuing contract h is not inherently ty use Affidavit For we been mailed by re nailing or delivery of Signed: Its: Designa	or contracts providing the contracts of the volume of the related to the volume of the contract of the contrac	ng for flat well royalty or a e of oil or gas so extract
Check and pro Include The req ROYALTY PI Is the right to e similar provisit produced or m e answer above Required Copie Copies of this I named coal ope wines at Charle otary:	extract, prod on for comp harketed? Y is No, noth es (See rever Permit Appl erator, coal eston, West	duce or ma pensation Yes \(\sum_{\text{ining additives side.}} \) dication and owner(s), Virginia,	whet the oil to the own No XX ional is need and coal leading.	l or gas ner of t eded. If osed pizessee or	based up the oil on f the ans at and re n or befo	oon a lease or other gas in place which wer is Yes, you make clamation plan have the day of the research	continuing contract h is not inherently y use Affidavit For we been mailed by re nailing or delivery Signed: Its: Designa	or contracts providing related to the volume m IV-60. Existered mail or delification of this Permit Application.	vered by hand to the abo
Check and pro Included The req ROYALTY Pro Is the right to estimilar provision produced or me answer above Required Copies Copies of this Inamed coal ope Mines at Charles	extract, prod on for comp harketed? Y is No, noth es (See rever Permit Appl erator, coal eston, West	duce or ma pensation Yes \(\sum_{\text{ining additives side.}} \) dication and owner(s), Virginia,	whet the oil to the own No XX ional is need and coal leading.	l or gas ner of t	based up the oil on f the ans at and re n or befo	oon a lease or other gas in place which wer is Yes, you make clamation plan have the day of the re-	continuing contract h is not inherently y use Affidavit For we been mailed by re nailing or delivery Signed: Its: Designa	or contracts providing related to the volume m IV-60. Existered mail or delification of this Permit Application.	vered by hand to the aboution to the Department
Check and pro Include The req ROYALTY PI Is the right to e similar provisit produced or m e answer above Required Copie Copies of this I named coal ope Mines at Charle otary: y Commission it number	ROVISIONS extract, prod on for complarketed? Ye is No, noth es (See rever Permit Appl erator, coal eston, West	duce or ma pensation (es \(\) in hing additi rse side.) lication an owner(s), Virginia,	rket the oil to the own No XX ional is need and coal le	l or gas ner of t eded. If osed placessee or	based up the oil on the ans at and re or before OF	oon a lease or other gas in place which wer is Yes, you make clamation plan have the day of the reference the day of the reference the USE ON	continuing contract h is not inherently ye use Affidavit For we been mailed by re nailing or delivery e Signed: Its: Designa LY	or contracts providing related to the volume m IV-60. Existered mail or delify this Permit Application Agent	vered by hand to the about of the Department 01/05/2024
Check and pro Included The req ROYALTY PI Is the right to e similar provisit produced or m e answer above Required Copies Copies of this I named coal ope Mines at Charle otary: y Commission it number	ROVISIONS extract, prod on for complarketed? Ye is No, noth es (See rever Permit Appl erator, coal eston, West	duce or ma pensation (es \(\) in hing additi rse side.) lication an owner(s), Virginia,	rket the oil to the own No XX ional is need and coal le	l or gas ner of t eded. If osed placessee or	based up the oil on the ans at and re or before OF	oon a lease or other gas in place which wer is Yes, you make clamation plan have the day of the reference the day of the reference the USE ON	continuing contract h is not inherently ye use Affidavit For we been mailed by re nailing or delivery e Signed: Its: Designa LY	or contracts providing related to the volume m IV-60. Existered mail or delify this Permit Application Agent	vered by hand to the about of the Department 01/05/2024

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.

well? means any well drilled and completed in a formation at or below the top of the uppermost member

01/05/2024

Date:	, 19	Ву

Sept. 1 1) Date:

State

County

2) Operator's 840 Well No.

3) API Well No. 47

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

NOTICE	OF	APPLICATION	FOR	A	WELL	WORK	PERMIT	
Contract of the Contract of th								

4) SU (i)	Name Wes tvaco Corp. Address #2 Furguson Dr	5(i) COAL OPERATOR UNOPERATED Address
(ii)	Address #2 Furguson Dr. Name Parkersburg, W.V. 26101 Address	5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD: Name UNKNOWN Address
(iii)	Name Address	Name Address
		5(iii) COAL LESSEE WITH DECLARATION ON RECORD: Name Address

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

(1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;

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

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

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

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

The truth of the information on the Notice and Application is verified and sworm to and the Notice is signed on behalf of the Well Operator in my County and State by Harry L. Berger, Jr. this 1 day of My contrission expires May 10, 1989. Notary Public, Kanawha State of West Virginia County,

OPERATOR Sterling Drilling & Prod. Co., Inc. Its Agent Designated 710 Virginia Charleston Telephone 342 -01

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 specificsON & GAS DIVISION

7) ROYALTY PROVISIONS Is the right to extract, produce or market the oil or gas based upon a lease or leases DEPT. OF MINES or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the cil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

1983

A-7

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 § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
 - 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
 - 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
 - 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-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-lb 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 § 22-4-3a 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 kind 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
Parkersburg Nat'l. Bank	Sterling Drilling and		
	Prod. Co., Inc.	1/8	161/434

A-8

necessary for comments.



DATE 8-27-83

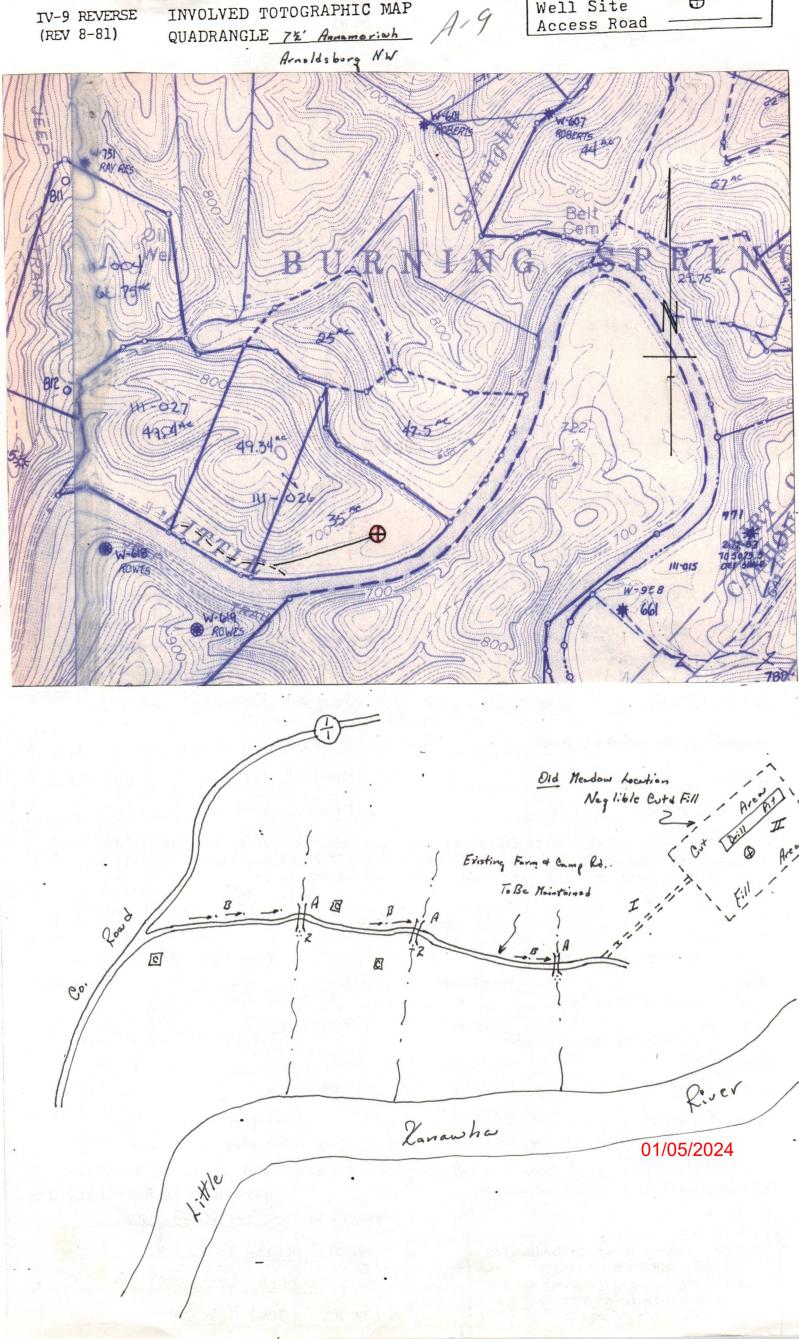
WEIL NO. Parkershung Bank 840
API NO. 47 - 105-1102

State of Mest Firginia Beparlment of Mines Gil und Gas Bivision

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Sterling Drilling & Prod. Co	o WEIT OPERATOR Sterling Drilling &
Address 360 Madison Ave NY, NY 100	
Telephone (212) 949-9100	Telephone (304) 342-0121
	•
LANDOWNER Westwaro Corp.	SOIL CONS. DISTRICT Little Languelo Set
Revegetation to be carried out by Sterlin	
	2 Kanawha SOD. All corrections
and additions become a part of this plan:	9-1-83 (Date)
	south the stand
Ju	(SCD Agent)
ACCESS ROAD	LOCATION
Structure Colocots (A)	Structure see sketch (1
Spacing. Size 12"	Material
Page Ref. Manual 2-8.	Page Ref. Manual
10) EGEOV	
Structure Drainage Ditches (B)	Structure Rip-Rap (2
Spacing Roods; de	HOCK
Page Ref. Manual 2./R OIL & GAS D	MIRage Ref. Manual 2.9
Page Ref. Manual 2/R OIL & GAST	Mhage her. Pandi 1.7
Structure - Cross Ditches (C)	Structure (3
Spacing	Material
Page Ref. Manual	Page Ref. Manual
All structures should be inspected regular commercial timber is to be cut and stacked a cut and removed from the site before dirt wo.	nd all brush and small timber to be
REVEGETAT	ION
Treatment Area I	Treatment Area II
Lime 2 Tons/acre	Lime &Tons/acre
or correct to pH 6.5 Fertilizer 600 lbs/acre	or correct to pH 6.5
Fertilizer 600 lbs/acre (10-20-20 or equivalent)	Fertilizer 600 lbs/acre (10-20-20 or equivalent)
Mulch Hay 2 Tons/acre	Mulch Hay 2 Tons/acre
Seed* K.31 36 lbs/acre	Seed* Ky-31 30 lbs/acre
Ontariones 10 lbs/acre	Orderdanse 10 lbs/acre
Ledino Closer 4 lbs/acre	Ladino Clover 0405/2024
*Inoculate all legumes such as vetch, trefoil Inoculate with 3% recommended amount. PLAN PRO	01/00/2021
NOTES: Please request landowners'	ADDRESS Route 1 Box 30
cooperation to protect new seedling for one growing season.	Duck, WV 25063
Attach separate sheets as	

PHONE NO. (304) 364-5780



939, 840 P 522

056 692

RECEIPT FOR GERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL

	(See Reverse)	
1	Sent to STEVE RICHARDS WESTVACO CORP. Street and No.	
1	PARKERS BURG, W. V.	26/01
1	Postage	\$
	Certified Fee	
-	Special Delivery Fee	
	Restricted Delivery Fee	
	Return Receipt Showing to whom and Date Delivered	
2	Return Receipt Showing to whom, Date, and Address of Delivery	and the second s
. 198	TOTAL Postage and Raes	\$
PS Form 3800, Feb. 1982	Postmark ok Date O O O O O O O O O O O O O O O O O O O	

(See Reverse)

(See Keverse)	
Sent to WEST VACO CORP.	
Street and No. #Z FVR6U5 OV OR	
P.O., State and ZIP Code PARKERSBURG, W.U.	2610 1
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$1.72
Postmark or Date	

P 522 051 882

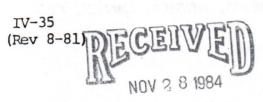
(See Reverse) Sent to WESTUACO CORP. Street and No. #Z FURGUS ON OR. P.O., State and ZIP Code PARKERS BURG, W.V. 26101 \$ Postage Certified Fee Special Delivery Fee Restricted Delivery Fee Return Receipt Showing to whom and Date Delivered Return Receipt Showing to whom, Date, and Address of Delivery TOTAL Postage and Fees Postmark or Date

DECESVESSIVESSIVES

OIL & GAS DIVISION
DEPT. OF MINES

105-2002

31



OIL & GAS DIVISION
DEPT. OF MINES



State of Mest Nirginia

Department of Mines Gil und Gas Bivision

Date	1	0/2	24/84	100	
Opera			1 12 353		
Well	No.		840		
Farm	Par	ker	sburg	Nat"l	Bank
API N	w.	47	- 105	-1	102

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 666.05 Watershed St	raight Fo	rk and Litt	le Kanawh	a River
District: Burning Spring:County Wirt		Quadrangle	e 7.5' An	namoriah
COMPANY				
				Coment
District: Burning Spring County Wirt Quadrangle 7.5' Annamoriah OMPANY Sterling Drilling & Production CoInc. DDRESS 710 Virginia St.,E.,Charleston,WV 25301 DDRESS				
		Drilling	in Well	Cu. ft
				Co-rugil
	13-10"			in the same
	9 5/8	312'	312'	140 sk
	8 5/8			
	7	1862'	1862'	160 sk
25274	5 1/2	S-1 (1)		
	4 1/2		5075'	290 sk
	3			
	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON				
GEOLOGICAL TARGET FORMATION Devonian Sh	ale	Dept	-h 5000'	fe
		-		
	-			199
			ed in the	area? N
OPEN FILOW DATA				
Des dession Communities	Pay			
			fl~··	Bbl
Gas: Initial open flow show Mcf/d				-
Gas: Initial open flow show Mcf/d Final open flow 140 Mcf/d	Fir	nal open fi	Low	Bbl
Gas: Initial open flow show Mcf/d Final open flow 140 Mcf/d Time of open flow between initial	Fir ial and fi	nal open fi inal tests	66.5 ho	Bbl urs
Gas: Initial open flow show Mcf/d Final open flow 140 Mcf/d Time of open flow between initi Static rock pressure 1000 psig (surface)	Fir ial and fi measurer	nal open fi inal tests	66.5 ho	Bbl urs
Gas: Initial open flow show Mcf/d Final open flow 140 Mcf/d Time of open flow between initi Static rock pressure 1000 psig (surface) (If applicable due to multiple completion-	Fir ial and fi measurer	nal open fi inal tests	66.5 ho	Bbl urs
Gas: Initial open flow show Mcf/d Final open flow 140 Mcf/d Time of open flow between initi Static rock pressure 1000 psig (surface (If applicable due to multiple completion-Second producing formation	Firmal and	nal open final tests ment) after y zone dept	10w	Bbl wrs 52924t
Gas: Initial open flow show Mcf/d Final open flow 140 Mcf/d Time of open flow between initi Static rock pressure 1000 psig (surface (If applicable due to multiple completion- Second producing formation Mcf/d	Firmal and	nal open final tests ment) after y zone dept	66.5 ho 72 0 h/00 th flow	Bbl wrs 52924t

B-2

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

Perforations

1st Stage: 26 holes from 4527' to 5050'
2nd Stage: 27 holes from 3831' to 4412'
3rd Stage: 24 holes from 3173' to 3703'

Treatment

 1st Stage:
 1000 gals. of 15% HCL;
 1,584 MSCF of N2

 2nd Stage:
 1000 gals. of 15% HCL;
 1,584 MSCF of N2

 3rd Stage:
 1000 gals. of 15% HCL;
 1,584 MSCF of N2

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all free and salt water, coal, oil and g
			All measurements 10' KB
Sandstone and Shale	0	1345	Fresh water @ 80'
Salt Sand	1345	1380	Salt water @ 605'
Shale	1380	1443	
Maxon	1443	1556	
Shale	1556	1566	
Big Lime	1566	1687	
Big Injun	1687	1726	
Siltstone and Shale	1726	2080	
Sunbury Shale	2080	2095	
Berea	2095	2098	
Siltstone and Shale	2098	2548	
Shale	2548	4532	Top of Java formation 4296'
Siltstone	4532	4550	Gas shows 3173' - 3703'
Shale	4550	5109	3831' - 4412'
TD	5109	3107	4527' - 5050'
		Service Section	4327 = 3030
4	1. 1		
		and the second second	
nodude	- Park in the second of the se		
		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	n - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
		1 20 00 00 00 00	
		100	
- AMAZONIA			
Medical Section 1		and the second second second	
	10 Mars. 10	50.1	Fig. 84 Burga Park, a March 1991
age and a second			

(Attach separate sheets as necessary)

Sterling	Drilling and Production Co Ir	ic.
Well O	Drilling and Production Co., In	1/05/2024
By:	tany of Derger A	
Date:	11-20-84	

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 and, encountered in the drilling of a well."

B 17

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

Harry Contract of the Contract of the



OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 165-1102			Oil or	Gas Well
Company Sterling Oxilling &	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address Charleston, Mala	Size			Land was to white
Farm Parkersburg notional Be	ank 16	ductor	66	Kind of Packer
Well No. 840	10			Size of
District Burning Springsonty West	938		298	
Drilling commenced 7/10/84	65%			Depth set
Drilling completedTotal depth	5 3/16			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. in	Inch			Perf. bottom
Rock pressurelbs	hrs. NAME OF SERV			8 No. FT. 7/10/8 Bate
Oilbbls., 1st 2		COUNTERED	AT	FEETINCHES
Fresh waterfeet	feetFEET	INCH	ES	FEETINCHES
Salt waterfeet	feet FEET	INCH	ES	FEETINCHES
Drillers' Names Randy Short	Push	u Ron	mie t	Esto
Plint Hurth Rig #8.				
Plint Huft Rig #8. Remarks: 7/00/84 Negwed on & st. 7/10/84 Ran 298 ft. of 958 8 Neat 37 C.C. & 1/2 16. Celefa. 7/12/84 Ran 1850 ft of Meat 3% C.C. & 1/2/6, C.C.	orted drilling "Surface skipe be blue days	+ set 6	6 ft of l	13 "Conductor,
7/12/84 Ran 1850 ft of	2" spipel + C	cement	el wit	h 160 sack
of neat 3% C.C. & Ill, (elefake Plug g	lown 12	130 Pm	by Dowell
7/12/84 PATE 100 11 100	eighling of te	Hon	us Hi	Darcofforty

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

ner Location Amount Packer Location PLUGS USED AND DEPTH PLACED BRIDGES CASING AND TUBING				ADDRESS			7.05
Illing Material Used	ARM	The section of the se	_ DISTRICT .	0	COUNTY		
ner Location Amount Packer Location PLUGS USED AND DEPTH PLACED BRIDGES CASING AND TUBING CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOS	1	1.9% (88)					
PLUGS USED AND DEPTH PLACED BRIDGES CASING AND TUBING CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOS	lling Material Used						
PLUGS USED AND DEPTH PLACED BRIDGES CASING AND TUBING CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOS	Loc	ation	Amou	nt Packer	Loc	eation	1
CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOS	en e		Alliou	11100 10 100 100	Marie Sales		BING
CEMENT-THICKNESS WOOD-SIZE ELAD COMMITTED TO THE COMMITTE		Construction and the state of t	LEAD	especial constant of the second of the secon	71	1	LOST
. 102 470 M. 1	CEIVIENT-THICKNESS	WOOD-SIZE	LEAD	S. Line			
				1 38 37 37 1	- Car 11/10/19	a harri	1-421-
				1	3/9/10		
					1. 1. 1. 1. 1. 1. 1.		
	Providence to the	* * * * * * * * * * * * * * * * * * * *		the second secon	io divell		agency 74
				St. Cartellan	E-2107 (Control of the Contro	t er reg la
	100 100 100 100 100 100 100 100 100 100	and the second of the or along the or and		and the state of t	0.00	21.1.1.1.1	224
(13-723) 88VARC 3018164 - 10.4 (12-12-12-12-12-12-12-12-12-12-12-12-12-1	4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	AUTHOR TO THE	L0914314	Para in the same			
	119-43) KNVARO	3014168		m reliance and		VII STOR
TAKE TAKE TAKEN KETAKA SEVELAH AND	MAKE SAN TANK	LERUD, AT L	[数][[[]][[]][[]][[]][[]][[]][[]][[]][[]	\$ V4	And the state of t		
	(17%) (1887)	sale and	1000	The second secon	the contration of the second	Habita in the state of the state of	
11.3W.1	Remarks:			+	1	CA	
Remarks:							
Remarks:							
Remarks:			B. F W.			4 63	
Remarks:							
The first of the f					1/2/2013		
Remarks:	4, , ,						
The first the file of the second seco		I hereby certify I vi	sited the above	well on this date.			1000
The state of the s		I licitory contains a va	02000				

B' 4

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 105-11	02		104		Oil or	Gas Well	
Company Sterle	is Drille	inst Prod.	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PAC	KERS
Address Charle	ston W	Ela,	Size				
Farm Parkersbu	no not	Bank	16			Kind of Pa	cker
Well No. 840	0		13			Size of	
District Burning	Spring County /	Virt	81/4			0.20	
Orilling commenced	7/9/011		6%			Depth set_	
Orilling completed	1 1-11	pth 5/00	5 3/16 9 4 K2		5086	Perf. top_	
Date shot	Depth of sho	t	2			Perf. botto	m
initial open flow	/10ths Wa	ter inInch	Liners Used			Perf. top_	
Open flow after tubing_	/10ths Men	re. inInch				Perf. botto	m
/olume		Cu. Ft.	CASING CEMEN	NTED 41/2	_size50	86 No. FT.	7/15/84Date
lock pressure	lbs	hrs.	NAME OF SER	VICE COMP	ANY L	bwell	
)il	b	bls., 1st 24 hrs.	COAL WAS EN	COUNTERE	D AT	_FEET	INCHES
resh water	feet	feet	FEET_	INC	HES	_FEET	INCHES
Salt water	feet	feet	FEET_	INC	HES	_FEET	INCHES
Orillers' Names Ran	rdy Short	_	Rus	her Ros	mie Co.	sto.	ann a
Hust Right	+9						
Remarks: 7/15/	84 J.D.	of Well	5100 \$	of R	an 500	86 ft	8 4/2"
Remarks: 7/15/6 pept any 10% Sol	d cement	ed well	a down	12 00 F	Inghto	eight Dow	ell,
10000		0		edicheduse s	11.12 d		
D / /				01	01		1

Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

			ADDRESS			
FARM		_ DISTRICT _	C	OUNTY		
Filling Material Used	2.18 % (2.01)	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		7		
minig Waterial Oscu				ding 1	N. B.	
iner Loc	eation	Amoun	t Packer	Loc	cation	
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOS
				May a series		
and the second the second to						
				4/2/2/2		
ged fresh						
Tangar Jang			Auto.	Nagati		
			the state of the s	MIII		
(m. 35) de la junio de la juni			and the second second second	18 V O		
18 18 18 18 18 18 18 18 18 18 18 18 18 1			SMeeting of the state of the second			
11/1/2013	Vasceo:	CONTROL (C	3.5 ck			
SHOWL THEY						
H D. C. Charles and St. St. St. Co.	and the control of the state of				1, 127 19	
Drillers' Names		7,434				
Remarks:	the American Control of the Control	and the state of the state of	and the part of the second of the second of the	erania e e e e e e e e e e e e e e e e e e e		
Remarks.						
	I hereby certify I visi	ited the above we	ell on this date.			

DISTRICT WELL INSPECT/05/2024

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT OIL & GAS DIVISION

Permit No. 105 - 1102

DEPT. OF MINES

				(811	101	
Company Sterling	Dielling + Prod.	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACI	CERS
Address Charles	Dielling + Prod.	Size				
	national Bank	16		over war of the property	Kind of Pac	eker
Well No. 840	03.0034	13			Size of_	
District Burning Sp	ring County Wirt	81/4				
Drilling commenced		65%		-	Depth set	
Drilling completed	Total depth	5 3/16				
		3			Perf. top	
Date snot	Depth of shot	2			Perf. bottor	
Initial open flow	/10ths Water inInch	Liners Used			Perf. top	
Open flow after tubing	/10ths Merc. inInch				Perf. bottor	n
Volume	Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
Rock pressure	lbshrs.	NAME OF SEP	RVICE COMPA	NY		
Oil	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
Fresh water	feetfeet	FEET	INCE	IES	_FEET	INCHES
Salt water	feetfeet	FEET	INCE	IES	_FEET	INCHES
St.	tua Robert					22 B.B.
Drillers Names X / //	tus Report					
Remarks: 9-24-8	84 - Inspected /	reclamation	n on r	rad 4	locate	one
	reclamation					
	mulched w	ith Stra	why	Amald	Lane	Inc.
	Can be re	reased W	hen ge	ass g	LOWD.	

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

MINES YNAMMO	Med to have been to the		ADDRES	SS			2,44,45,0
FARM		_ DISTRICT _		C	OUNTY	electricity of the con-	artinophy sources
Filling Material Used							No.
iner Loc		Amou		Packer	Loc	ation	
	ND DEPTH PLACED		BF	RIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRU	CTION-LOCATION	RECOVERED	SIZE	LOST
and the second second second second							170000000000000000000000000000000000000
Alto Live Many Say Japanes Mary Say - 1951							
					n Maria Sana		L. 10110 B
							and the
	and the same of th		and the second		3 002	naré a	
		. 42 H / 10	D.182	A Symmetry and the same	3 A	3" NP	Sec. 10. 1974 5.3
	YMXHAXX				- 1		Darsti 1
777.00				15 17 57 5			
al de la companya de	1 4 2 2 2						
Drillers' Names	48 5 700				Frank I		* 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
		13.84			100		1. 1. 11
Remarks:							
	I hereby certify I vis	ited the above	well on this dat	e.			

B-12

710 Virginia ST., East

coverage for the life of the well.



State of West Virginia

Department of Mines Gil and Gas Division Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

RI	OCT 2 3 1984	0
<u>nn</u>	OCT 2 3 1984	ש

DEPT. OF MINES

Parkensburg National Bank. FARM & WELL NO 8 848

DIST. & COUNTY B. Springs

Administrator-Oil & Gas Division

January 18, 1985

DATE

RULE	DESCRIPTION	YES	NO
23.06	Notification Prior to Starting Work	V	
25.04	Prepared before Drilling to Prevent Waste	V	
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite	V	
15.03	Adequate Fresh Water Casing	V	
15.02	Adequate Coal Casing	V	
15.01	Adequate Production Casing	V	to a second of the second
15.04	Adequate Cement Strenght	V	
15.05	Cement Type	V	
23.02	Maintained Access Roads	V	
25.01	Necessary Equipment to Prevent Waste	i	
23.04	Reclaimed Drilling Pits	· ·	
23.05	No Surface or Underground Pollution	V	
23.07	Requirements for Production & Gathering Pipeline	es V	
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings	V	
I HAVE I	NSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND	THAT IT BE RE	LEASED:
		$\Omega / \overline{\Omega}$	10 /1
	SIGNED	Homes XI	12 orgherly
	DATE	10/17/84	
Your wel	l record was received and reclamation requirement	ts approved.	In accordance

with Chapter 22, Article 4, Section 2, the above well will remain under bond

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

-						
1.0	API well number: [If not assigned, leave blank, 14 digits,]	1	47	105 - 1102	- Paris	
20	Type of cetermination being sought:				Palsi	PAR
123	(Use the codes found on the front	1 .		107		BEIMPR
	of this form.		and the same	ion of NGPA	Category Code	A TE M
130	Depth of the despest completion	1	The state of the s		NO	V2-
1	location: (Only needed if sections 103	İ		5109	have the	V 2 8 1984
	or 107 in 2.0 sbove.)	1			OII S	
40	Name, address and coos number of				DEPT	GAS DIV OF MINO 8084
1	applicant: (35 letters per line	Ste	rling Drilling	and Producti	on Co. Inc.	MINO 8084
	meximum. If code number not	1	•			Seller Coo
	available, leave blank.)	1 710	Virginia St. Ea	ast, Arcade B	uilding	
	erande, nero derreg	Street	The second secon		- Annual	
		Char	leston,, WV 2530	01		
	*	Civ	Selection of the select		tere Zo	Code
5.0	Location of this west: [Complete la)	1				
	or (b).1 .	В	urning Springs	District		
	(a) For onshore wells	Field N	lame	•		
1	(35 letters meximum for field	W	irt ·		agengement convenience	
	name.)	County		S	tare VIV	
	(b) For OCS wells:	1			,	
	•	Area N.	eme .		. Block	Number
	•	1				
	•	1	Deta	of Lease:		1
		1			department of the second of th	
_			Ma.	Day Yr.	OCS Lesse Number	if
	Ici Name and identification number	1	Parkersburg Na	t'1 Bank #840		
	 of this well: (35 letters and digits meximum) 	1	7 11 10 7 0 0 0 7 8 11 1			
-	(d) If cook 4 or 5 in 2.0 above, name	1	- Historian value and the condition of t			
	of the reservoir: (35 letters	1				
	Lanumixem	i —				
6.0	laj Name and cooe number of the	-				
	purchaser. (35 letters and digits	!	A-2		4	
	meximum. If code number not	1	UNDEDIC	ATED		
	sveilable, leave blank.)	Name				Buyer Cade
	(b) Care of the contract:	1	the contemporary of the co		europonerickopatherorterich Montalantistratispipareans	
!				1 1 1 1	1 1 1 .	
!		i		Ma. Cav	Yr.	
	(c) Emmerted total annual production	!			an anggapa na Militarina a ta karagana an anan'ny arrandra na fisiangan'i Alamata an anana anggan angan	
	from the well:	1	appliquenton-directly	44	Million	Cubic Free
		i				
					Id All Other	(d) Total of (a).
	•		(a) Bees Price	(b) Tax	Prices (Indican	(b) and (c)
-	•				(+) or (-1.]	
1.0	Contract price:	100000				
	(As of filing outs. Complete to 3	SIMMETU	5 8 8 4			
	ceamed places.					
8.0	Maximum lawful rate: (As of filling care. Complete to 3	S/MMBTU	5 8 8 4			
	ceamer claces.	Jammero	3 0 0 4	-		
90	Person responsible for this application:	-				1
3.0		Harr	ry/L. Berger, J	r. n	Desin	nated Agent
	Agency Use Only	Name	1 1	X	Title	
Care		! 4	au 2	Descent	7	
	NUV 28 1984	Signisture	7	The state of the s		
Cate	Aectived by FERC		19, 1984	/	304-342	2-0121
786 % 146.7		Care Ap	Diration is Completed		Phone Num	out
		Will serve a control of the control	A CONTRACTOR OF THE PARTY OF TH	The second second second second second	the state of the s	the second of the first contract the second of the second

STATE OF WEST VIRGINIA

DEC 141984

DEPARTMENT OF MINES, OIL AND GAS DIVISION COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION 47-105-1102 Date: Nov. 19 ,19 84 AGENCY USE ONLY Applicant's Name: Sterling Drilling & Production Co., Inc. WELL DETERMINATION FILE NUMBER Address: 710 Virginia Street, E. Arcade Bldg 841128 -107-105-1102 Charleston, WV 25301 Use Above File Number on all Gas Purchaser Contract No. ___ Communications Relating to This Well Date of Contract (Month, day and year) SDP#840 Designated Agent: Harry L. Berger, Jr. First Purchaser: UNDEDICATED Address: Sterling Drilling & Prod. Co., In Address: 710 Virginia St., E. Arcade Bldg. (Street or P.O. Box) Charleston, WV 25301 (City) (State) (Zip Code) FERC Seller Code <u>018084</u> FERC Buyer Code NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED: Name: Harry L. Berger, Jr. (Title) Signature: Sterling Dyilling & Prod. Co., Inc.
710 Virginia St., E., Arcade Bldg.
(Street or P.O. Box) Address: Charleston, WV 25301 (City) (State) (Zip Code) Telephone: 304 342-0121 (Area Code) (Phone Number) (Certificate of Proof of Service to Purchaser) NGPA Catagory Applied For NGPA SECTION/SUBSECTION 102 New Natural Gas 108 Stripper Well Natural Gas 102-2 2.5 Mile Test 102-3 1000 Foot Deeper Test 108-Stripper Well 108-1 Seasonally Affected 102-4 New Onshore Reservoir 108-2 Enhanced Recovery 108-3 Temporary Pressure Buildup 103 New Onshore Production Well 103 New Onshore Production Well 107 High Cost Natural Gas AGENCY USE ONLY 107-0 Deep (more than 15,000 feet) 107-1 Geopressured Brine 107-2 Coal Seams 107-3 Devonian Shale
107-5 Production enhancement 107-6 New Tight Formation

Recompletion Tight Formation

NOV 28 1984

107-7

OIL & GAS DIV. DEPT. OF MINES QUALIFO #05 2024

Date Received

Date Nov. 19, 1984

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's Well No.Pkbg Nat'l Bank

API Well No.

47 - 105 - 1102 State County Permit

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

· NGPA Sec	ction 107 .
	DESIGNATED AGENT Harry L. Berger, Jr.
	ADDRESS Arcade Building; 710 Virginia St., E.
	Charleston, WV 25301
	LOCATION Elevation 666.05
WELL OPERATOR Sterling Drilling & Product	ion CoWatershed Straight Fork & Little Kanawha Riv
ADDRESS 710 Virginia Street, East	Dist. Brn Spr. County Wirt Quad Annamorh 72
Charleston, WV 25301	Gas Purchase Contract No.
.GAS PURCHASER UNDEDICATED	Meter Chart Code
ADDRESS	
	Date of Contract
* * * *	
Date surface drilling began: July 16,	, 1984
Indicate the bottom hole pressure of the	well and explain how this was calculated.
Bottom Hole Pressure. PSIA Pf = Pwe	XLGS
	$r = \frac{1}{x} \times \frac{558}{x} = \frac{1}{10000336}$
$t = 60 + (0.0075 \times 5/09) + 459.67 = $	358 $x = \frac{53.34}{5}$
1020 × 2 7183 (0000336 x 4/)	$\frac{12 \times 1690 \times 1.08}{108} = \frac{1108}{108}$ PSIA
Pf = 1000 x 2.7103	FFIDAVIT
Thomas I. Bouring I.	
	n first sworn according to law, state that age of the producing interval which is not
Devonian Shale as indicated by a Gamma Ra	ay index of less than 0.7 if a Gamma Ray log
	(A) has been filed, or as indicated by the(B); I have demonstrated that the percentage
of potentially disqualifying non-shale for	
	al; and I have no knowledge of any information
not described in the application which is qualifies as a high-cost natural gas well	s inconsistent with a conclusion that the well
qualifies as a high cost hatulal gas well	
	Hany J. Berger
•	/ / /
STATE OF WEST VIRGINIA	
COUNTY OF Canawhe, TO-WIT:	
I, JoAnn & Brooks, a Notar	ry Public in and for the state and county
aforesaid, do certify that Harry L. Berg	er, Jr. , whose name is signed to
the writing above, bearing date the 197	H day of Juneally, 198401,05/2024
acknowledged the same before me, in my co	ounty aforesaid.
Given under my hand and official seal the	ay of October, 1991.
My term of office expires on the 27th da	ay of October, 1991.

OFFICIAL SEAL NOVARY PUBLIC STATE OF WEST # ROINIA

JoAnn K. Brootts inponing one Proceedings Co. Internation Et. Charles on We 1800pointer on fagires October 27 1991

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

Operator:	Agent;
Type Determination being sought	
API Well No.: 47-165-1160	Well Name: Portionshing Nati B.K #
West Virginia Office of Oil and (References: SJA File No.	
Vol Page Line	
(c) intervals with (been marked with the (a) Shale Base presenting 0.7 x (Shale Base Line), Samma Ray units less than 0.7 x (Shale log is included with this analysis.
II. Gamma Ray elevation indices	
A. Shale Base Line	(API Units)
 GR Value at Remarks: 	Base Line = 170 * API Units
B. Gamma Ray Log Va	lue at 0.7 x Value at Base Line
1. GR Value = / 2. Calculation:	$\frac{19}{0.7}$ * API Units $\frac{0.7}{0.7}$ (GR Value at Base Line) $\frac{19}{0.7}$ * = $\frac{1}{9}$ API Units
III. Intervals with GR index less	than 0.7 x (Value at Base Line):
Interval	Thickness of Interval Feet 77' Feet-of less than* 0.7 (Shale Base Line) Feet 77'
Total Devonial Interval	2998'
Total Less Than 0.7 (Shale Base)	97'
7. Less Than 0.7 (Shale Base Line)	

7.

^{*}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 Interval in this Column.



IV-35 (Rev 8-81)

State of Mest Virginia

Bepartment of Mines Gil und Gas Bivision

Date	10/	24/84		
Opera	ator's			
Well	No	840		
Farm	Parke	rsburg	Nat"l	Bank
APT N	No. 47	- 105	-1	102

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas × / Liquid I: (If "Gas," Production × / U	njection ndergrou	/ Wast	e Disposal	l/ p/ Sha	11ow_×_/)	
LOCATION: Elevation: 666.05 Watershed Straight Fork and Little Kanawha River						
District: Burning Spring Count						
		,	_			
COMPANY Sterling Drilling & Production C						
ADDRESS 710 Virginia St., E., Charleston, W	V 25301	Casing	Used in	Left	Cement fill up	
DESIGNATED AGENT Harry L. Berger		Tubing	Drilling	in Well	Cu. ft.	
ADDRESS 710 Virginia St., E., Charleston, W	V 25301	Size				
SURFACE OWNER Westvaco Corp.		20-16 Cond.				
ADDRESS #2 Furguson Dr., Parkersburg, WV 2	6101	13-10"			-	
MINERAL RIGHTS OWNER Parkersburg Nat'l B	ank_	9 5/8	312'	312'	140 sks.	
ADDRESS Parkersburg, WV 26101		8 5/8				
OIL AND GAS INSPECTOR FOR THIS WORK Deo	-	7	1862'	1862'	160 sks.	
ADDRESS Rt.1, Box 5,Sandri	dge,WV 25274	- 4 /0	1002	1002	100 SKS.	
PERMIT ISSUED October 20, 1984	25214	4 1/2		5075'	290 sks.	
DRILLING COMMENCED July 16, 1984		3		3073	270 383.	
DRILLING COMPLETED July 22, 1984		2				
IF APPLICABLE: PLUGGING OF DRY HOLE ON						
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED		Liners used				
CN	-					
	onian Sha		Dept			
Depth of completed well 5109' KB	_feet R	otary x	_/ Cable	e Tools_		
Water strata depth: Fresh 80		-				
Coal seam depths:		Is coal	being mine	ed in the	area? No	
OPEN FLOW DATA						
Producing formation Devonian	Shale	Pay	zone dept	th 3173 -	5050 feet	
Gas: Initial open flow show						
Final open flow 140						
Time of open flow between						
Static rock pressure 1000 psig	(surface	measurem	ent) after	$\frac{01005}{1200}$	2024 in	
(If applicable due to multiple com	pletion-	-)				
Second producing formation		Pay	zone dept	th_	feet	
Gas: Initial open flow						
Final open flow	Mcf/d	Oil: Fin	al open fi	low	Bbl/d	
Time of open flow between	en initia	al and fi	nal tests	ho	urs	
Static rock pressurepsig(surface i	measureme	nt) after	hou	rs shut in	

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

Perforations

1st Stage: 26 holes from 4527' to 5050' 2nd Stage: 27 holes from 3831' to 4412' 3rd Stage: 24 holes from 3173' to 3703'

Treatment

2,206

 1st Stage:
 1000 gals. of 15% HCL;
 1,584 MSCF of N2

 2nd Stage:
 1000 gals. of 15% HCL;
 1,584 MSCF of N2

 3rd Stage:
 1000 gals. of 15% HCL;
 1,584 MSCF of N2

WELL LOG

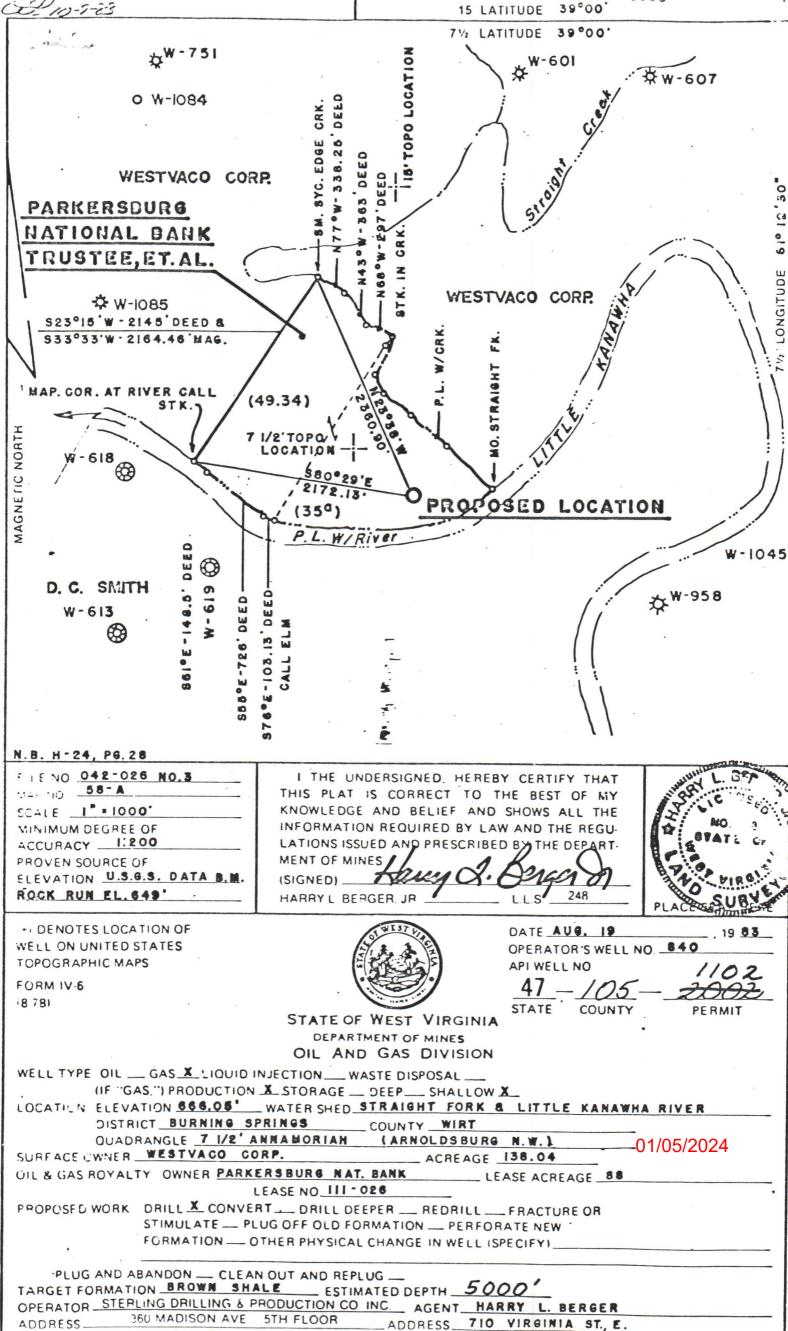
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all free and salt water, coal, oil and ga
Sandstone and Shale Salt Sand Shale Maxon Shale Big Lime Big Injun Siltstone and Shale Sunbury Shale Berea Siltstone and Shale Shale Siltstone Shale TD	0 1345 1380 1443 1556 1566 1687 1726 2080 2095 2098 2548 4532 4550 5109	1345 1380 1443 1556 1566 1687 1726 2080 2095 2098 2548 4532 4550 5109	All measurements 10' KB Fresh water @ 80' Salt water @ 605' Top of Java formation 4296' Gas shows 3173' - 3703' 3831' - 4412' 4527' - 5050'

(Attach separate sheets as necessary)

Sterling Drilling and Production Co. 109/05/2024
Well Operator
1/- 1/2 ()
By: They of hough
Date: 11-20-84

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





1) Date:	1		
2) Operator's Well No.	40		
3) API Well No.	47	105	2002
	State	County	Permit

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

4) WELL TY	PE: A O	oil	/ Ga	is X	/				
	В (І	f "Gas",					storage		_/ Shallow/)
5) LOCATIO	N: Ele	evation: _	566.0						Kanawha River
			CONTRACTOR OF STREET	Sprangs			irt	Quadrangle: _	
6) WELL OP					Prod	Co., I	7) DESIGNATED	AGENT Harr	y L. Berger, Jr.
Address		60 Mac		DESCRIPTION OF THE PARTY OF THE	in FI	oor	Address	/10 Virg	inia St., t.
	B	iew Yor	'K. Nei	v York 1	.0017	_		Charlest	on, W.V. 25301
8) OIL & GA	EN.		BE NOTII	FIED			9) DRILLING CO		MALE SO IN THE STREET
Name	Deo	Mace				_	Name	UNKNOWN AT	THIS TIME
Address	_Rt	1.1 80)	(5				Address		
	KX	FERNAME	CONXXXX	(X. Sandri	dge.	W.V.			
10) PROPOSE	D WELL	WORK:	Drill	/ Dr	ill	deeper	/ Redrill	/ Stimulate	
			Plug of	f old formati	on	/ Perfor	ate new formation		
			Other p	hysical change	e in wel	ll (specify)			
11) GEOLOGI	CAL TAR	GET FOR	MATION	BROM	I SHA	LE	-		
12) Estima				Depter 20% 20%		feet			
						feet; salt		feet.	
							al being mined in the		/ No X /
15) CASING A						10 00	ar comg minea in the	urea. res	
CASING OR			IFICATIONS		11	FOOTAGE I	NTERVALS	CEMENT FILL-UP	PACKERS
TUBING TYPE		1	Weight					OR SACKS	FACRERS
	Size	Grade	per ft.	New Used		For drilling	Left in well	(Cubic feet)	Vinds 3
Conductor	0 5 40	1.0	20//	v		2001	2000		Kinds
Fresh water	9 5/8	172	33#	X		300'	200	To Surface	164 8 10 10 C
Coal						0	10-01		Sizes
Intermediate	週7"	J-55	20#	X	1	020'	1820	100 sks	
Production	4 1/2	ERW	10.5	X			50000	250 sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom
	are require	ed to make polication The followho has r	l operator, e by Code by the Dep wing waive eccorded a	s coal owner(s) §22-4-3 must be continued to comment.), and coe filed npleted ander Co	oal lessee are h with the Depar by the coal op	tment of Mines with	any objection they wis in fifteen (15) days aft	ter the receipt eer 20 83
The undersigne examined this pro undersigned has the West Virginia	oposed well no objection	location. on to the w	vork propo	sed to be done	ich cov	ers the area of	the well location, the	e well location has bee	oal under this well location has an added to the mine map. The all applicable requirements of
the west virgilia	a Code and	a the gove	ining regu	iations.					
				A Samuel Control of the Control of t			- The second sec	777	1
Date:			10	9		r	Ву	CH L	
			, 1			•	7		
						I	ts		

FORM IV-2 (Obverse) (6-82)	1	1,2	,			101 VIST	The state of the s	1) Date: Se	cember	1	, 19.83_
(0-82)	Y	1				E AND A	2 7	Operator's Well No.	840		er er
DRILLING CO	NTRACTO	OP.						3) API Well No	. 47	105	2002 /
UNKNO		OK:				STATE OF WEST	VIRCINIA		State	County	Per
			_	DEPA	RTME	NT OF MINES, O	IL AND GAS	DIVISION			
AI IH	IS TIME		-	01	IL AND	GAS WELL PER	MIT APPLIC	ATION			
4) WELL TY	PE: A C	Dil	/ Ga	s X							
5) LOCATIO	N. Ele	wation.	Production 666.05	<u>1</u>	X	Undergroun Watershed:	d storage	t Fork & li	ep	Shallow	/_X/
TO THE CALL	Dis	Stopli	urning	Spri	ings	County:	Wirt	Qu	adrangle:	7.5' Annar	moriah
6) WELL OP	PERATOR_	360 Ma	dison A	ling	C: C+1	od. Co., In	11) DESIG	NATED AGENT	Harry	L. Berger	r, Jr.
Addi cs.			rk, Nev	IVC.	1 1 1 6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Addı	ress	/10 V	irginia S	t., E.
7) OIL & GA	S		N. P.M. W.						Charle	eston, WV	25301
ROYALT: Address	Y OWNER	Parke	ersburg	Nat , W.	ional V. 26	<u> Bank</u> 101	12) COAL (OPERATOR	UNOPE	RATED	
A		88				_					
Acreage 8) SURFACE			aco Co	rnor	ation	-	13) COAL (OWNER(S) WITH	H DECLAR	RATION ON F	RECORD:
Address			irguson	Dr.	acton				UNKNOW	N	
	-	Parke	rsburg			101	Addr	ess			
Acreage		138.0)4				Name _		yele 1 30		
 FIELD SAI Address 		DE) TO:					Addre	ess			
Address	-					- 101	UEL	VEIII	19 1.1		
0) OIL & GAS	SINSPECT	OR TO B	E NOTIFI	ED		18/86	14) COAL L	ESSEE WITH D	ECLARAT	ION ON REC	ORD:
	Deo Ma	ce				66	Name _ SEP Addre	.1983	49-713-6-	- 12 1 V 1 V 1 V 1 V 1 V 1 V 1 V 1 V 1 V	
Address		1 Box							W W 1189		
5) PROPOSEI			W.V. 2				PIL & GAS	DIVISION	100		
6) GEOLOGIC		Other p ET FORM	hysical cha ATION,	BRO		Perforate Decify)ALE	new formatio	- Intil am			
	imate water					feet;	salt.				
	imate coal s					0		in the area? Yes.		/ No	٧
) CASING A	ND TUBIN	G PROGR	LAM							/ No	
CASING OR TUBING TYPE	Size	SP Grade	ECIFICATIO Weight	NS New	1,,,,		GE INTERVALS	II OR S	FILL-UP	PACKE	RS
Conductor			7	1100	Used	For drilling	Left in w	ell (Cubi	c feet)		
Fresh water	9 5/8	LS	33#	X	1	300'	300	To Su	rfaco	Kinds	
Intermediate	7"	1 55	00"	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		30×40000		10 30	race	Sizes	
Production	4 1/2	J-55 ERW	20#	X		1820'	1820'	100 sl	<s< td=""><td></td><td></td></s<>		
Tubing	17 1/2	LKW	10.5#	X			5000	250 sl	(S	Der hs set	
Liners			70.00				(A) (B)				
										Perforations:	
										Тор	Bottom
EVERACETO	1		100000	10.6	Harry 1						
Check and pr											
Include	ed is the lea	se or lease	s or other	contin	uing cor	itract or contracts					
		27 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4-1-(c) (1)	through	gh (4).	(See reverse side fo	r specifies	d the right to extr	act oil or g	as.	
RUIALIIP	KUVISION	S									
similar provisi	fon for com	oduce or ma	to the ow	l or ga	s based i	apon a lease or othe	r continuing co	ontract or contract	s providing	for flat well ro	yalty or any
produced or n	narketed?	Yes 🗌	No VV			or gas in place with	ch is not inner	rently related to t	he volume	of oil or gas s	o extracted,
Required Copi	e is No, not	thing addit	tional is ne	eded.	If the ar	iswer is Yes, you n	ay use Affida	vit Form IV-60.			
	(000 10.1	or or order,									
named coal op	erator, coal	l owner(s).	and coal	essee o	on or he	reclamation plan h fore the day of the	ave been maile	d by registered m	ail or delive	ered by hand to	o the above
Mines at Chari	leston, West	t Virginia,		1 11 111		and the day of the	maning or del	ivery of this Perm	it Applicat	ion to the Dep	partment of
Notary: 4 04		Greek	he			- ord v 05 L	Signed:	Jany (J. K	Jerses	X
My Commission	Expires	May 10	, 1989					signated Age	ent	01/05/20	124
								719	-110	U I/UD/ZU	124
					0	FFICE USE O	NLY				

DRILLING PERMIT 19 This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work, proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires unless drilling is commenced prior to that date and prosecuted with due diligence. Bond:

Agent: ·Plat:

Casing

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
 - "Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less then six thousand feet, whatever is shallower.
 - 5) Where well is located
 - 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
 - 7) Use separate sheet if necessary
 - 8) Present surface owner at time application is filed.
 - 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
 - Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
 - 16) Anticipated formation for which well will be completed
 - 17) Self explanatory
 - 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
 - 19) All coal seam depths
 - 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
 - 21) Code 22-4-11(c) In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1)A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4)A brief description of the royalty provisions of each such lease or contract.
 - 22) Code 22-4-11(d) and 22-4-11(e).
 - Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
 - The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by	the coal operator and by any coal owner or coal lessee
who has recorded a declaration under Code	22-4-20, if the permit is to be issued within fifteen (15)
days of receipt thereof.	01/05/202

The undersigned coal operator	owner	/ lessee_	/of the coal under this well location has ex-
ded to the mine map. The undersign	ed has no objection	to the work propo	ea of the well location, the well location has been sed to be done at this location, provided, the well a Code and the governing regulations.

By