FILE COPY



1)	Date:	November	18	, 19_83
2)	Operator	's oca	113	FORM TV-203) F

Well No. 863

3) API Well No. 47 - 013 - 3684 State County

_	Marine San	
	Das	
	Per	mu

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

		-			DEP	KIME	NI OF MINES, OI	L AND GAS DIVIS	IUN	
					<u>A</u>	PPLICA	TION FOR A WE	LL WORK PERMIT		
1	WELLTY	DE. A. C		/ 6	os V	07	YOUR A SITURDAY	MINISTRA ON OUR	SHORTADELLA	OLI TIMBOO
4)	WELLII	PE: A C	If "Gas"	Productio	n A	Y	/ Underground	storage	/ Doop	_/ ShallowX/)
5)	LOCATIO	N. Ele	avation:	0/10 1	יחי	^	Watershed:	Little Kana	who Divon	_/ Snallow/)
3)	LOCATIC									7.5' Annamoriah
6)	WELLOR									L. Berger, Jr.
0)							Floor			
	Addres			, New				Address	710 Virginia	
-						100	11/		Charleston,	W.V. 253UI
8)		IL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR: Name								
								NameU	NKNOWN	
	Address			ox 5				Address	The state of the s	
				ge, W.						
10)	PROPOSE	D WELL	WORK:	Drill XX	XXXX	_/ Dril	l deeper	/ Redrill	/ Stimulate	SPRETTITIET
				Plug of	ff old	formatio	n/ Perfo	rate new formation		DE GELVIPII
				Other p	hysical	change	in well (specify)			3
11)	GEOLOG	CAL TAR	GET FOR	MATION	, BR	OWN S	HALE			DEC 2 - 1983
	12) Estima	ated depth o	of complet	ed well,	53	200	fee			DEC 2 - 1809
								t,	feet	OIL & GAS DIVISION
	14) Appro	ximate coa	l seam den	oths:		Ò	Is co	oal being mined in the		OIL & GAS DIVISION
	CASING A								D.	EPT. OF MINE
	SING OR	11		CIFICATIONS	•		II FOOTAGE	INTERVALS	N COLUMNIA DIVI	le de la companya de
	BING TYPE		1	Weight	1			INTERVALS	OR SACKS	PACKERS
		Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
15.3	luctor	0.510	1.0	00 "			5001			Kinds
Fresh	water	9 5/8	LS	33#	X		500'	500'	To Surface	by rule 15.05
Coal										Sizes
Interr	mediate	7"	J-55		X		2080'	2080'	100 sks	
Produ	uction	4 1/2	ERW	10.5#	X			5200'	250 sks	Depths set
Tubin	ng						F PAR ONTA	OFFICE OFFICE		reg. by
Liners	S									Perforations: Fule 15-0
			2 anith	eperi erro	wallo	Funn i	กระสอบกลุ่งกับกาก	dates of certain	in the constant	Top Bottom
										Bottom
		etert.						efec		
								3700		<u> </u>
				Taran P	(C)===	integer.	OFFICE USE	ONLV		bayrapan nodsurlag/
							DRILLING PE			
							DRILLINGTE			Vell work started
erm	it number_		47-013	3-3684					Dec	ember 19, 1983
									Dat	entity out to nottalemo.
his	permit cove	ring the we	ell operato	r and well	locatio	n showr	below is evidence	of permission grante	d to drill in accordan	ce with the pertinent legal re-
uire	ments subje	ct to the co	onditions c	contained l	nerein a	nd on th	e reverse hereof. N	otification must be gi	ven to the District Oil	and Gas Inspector (Refer to
ictri	s) Prior to the	he construc	tion of ro	ads, locati	ons and	pits for	any permitted work work has commence	In addition, the we	ell operator or his con	tractor shall notify the proper
he p	permitted we	ork is as de	scribed in	the Notice	e and A	pplication	on, plat, and reclam	ation plan, subject to	any modifications as	nd conditions specified on the
	se hereof.		Decem	ber 19	198	5				
erm	it expires _		2000111		, 100		unless wel	work is commenced	prior to that date and	prosecuted with due diligence.
			- 12							THER INSPECTIONS
Во	nd:	Agent	:U P	Plat:	Casin	g	Fee			
L	DOLLE	1	1	nu		, , ,	- 0			Regson: /
		10	/	114	m	115	951		111	1

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

12/01/2023 File

Administrator, Office of Oil and Gas



OFFICE USE ONLY

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

	Santa and					
	DESILING CONTRACTOR				ASPECTOR TO	
	Name LEGIZIONES					
						Address
				.W.bas	Sandinad	
TETTTOTO	Stimol Stimol	dagpeb			VELL WORK:	PROPOSED V
THE COLUMN THE PROPERTY OF THE PERSON OF THE						
IP WIN			ni ognania le			
10 ERDE - C 227 LL				L MOITAN	LTARGET FOR	
2010				.llaw L	depth of complet	12) buildiated
OIL & GAS DIVISION	faet				ate trata depths:	13) Approxim
DEPT. OF MINE			_0			14). Approxim
DEFI. OF IMINE				MASI	TUPING PROC	CASING AND
		NETONT TOOL		ERCATIONST	3/3/9/e	
					Size Grade	
abrill abrill						discor.
200 Dy rule 15.0	508 To Sure					E Market
National Control of the Control of t						
						gaedial
City of the sec	312 TEXT - 1700 02			X-142/0.1-	- MEE 12/4	A resput
is year bu	OFFIC	CE USE ONLY				gri
This part of Form IV-2(b) is to	o record the dates of certai	n occurrences as	nd any fol	low-up insp	ections.	
					Da	ate(s)
	Date					110(3)
	Date					110(3)
Application received	Date	Follow-up	inspectio	n(s)		11(3)
Application received	Y IV	O 189 TOTAL	2 1	n(s)		ite(s)
	Y IV	Follow-up	2 1			40(8)
	A TA	O 189 TOTAL	2 1		54 (5-51	re(s)
Well work started Completion of the drilling	TIM Y IV	HERCH (SE O	, , , , , , , , , , , , , , , , , , ,	# \$18.95°	91 (#YI	uit number
Well work started Completion of the drilling or process	VIV MITE Pelinission granted to drift in act	HEFICE 4.8F OF	u work and	Mary Mary	Stract	uit number s peram covering emerks whiles to
Well work started Completion of the drilling process Well Record received	VI Y WITT Permission granted to drill in act licutor matches aven to the tite of the addition, the well operator of the	HEFICE LINE PER IKIT. INC PER Pelow is evidence of Evertschereof, real Per resulted work It is associated work It is associated work	on and and a subject to the subject	with Well loca and well loca ontained herein the locations a before actual in	1740) Following the visit of the conditions of the special of the special Appendix of the special Appe	uit number permit covering emeils subject to 5/4- at 1, the 1 tot out and gas un
Well work started Completion of the drilling process Well Record received	VI Y WITT Permission granted to drill in act licutor matches aven to the tite of the addition, the well operator of the	HEFICE LINE PER IKIT. INC PER Pelow is evidence of Evi	noiredians	with Well inca ontained herein the locations a before actual in	17=0 for the well operator the conditions of the special of the special 24 hours is as described in	nit number perant covering emeries subject to 5 Nr act to the tile tet out and grayin permitted work t
Well work started Completion of the drilling Process Well Record received Reclamation completed	NLY MIT MIT permission granted to drift in act fination must be even to the filt in addition, the well operator or b on plan, subject to any modification	JEPICI LASE OF THE AND PER OF THE AND PER OF THE OF	noiredians	with Well loca and well loca ontained herein the locations a before actual in	17=0 for the well operator the conditions of the special of the special 24 hours is as described in	nit number permit covering strate subject to strate subject to tet our and gas in permitted work i
Well work started Completion of the drilling process Well Record received Reclamation completed	NLY MIT MIT permission granted to drift in act fination must be even to the filt in addition, the well operator or b on plan, subject to any modification	JEPICI LASE OF THE AND PER OF THE AND PER OF THE OF	noiredians	with Well inca ontained herein the locations a before actual in	17=0 for the well operator the conditions of the special of the special 24 hours is as described in	mit number in perant covering ements subject to Side as in the rict on and gas in permitted work i sse 'greof'
Completion of the drilling process Well Record received Reclamation completed	NLY MIT MIT permission granted to drift in act fination must be even to the filt in addition, the well operator or b on plan, subject to any modification	JEPICI LASE OF THE AND PER OF THE AND PER OF THE OF	I swork not	and well local interpretation of the Northern and herore actual the Northern and the Northe	17=0 for the well operator the conditions of the special of the special 24 hours is as described in	mit number s permit sovering enerits subject to fill our and gas in permitted work i mis expire:

Reason:



DATE /1.28.83

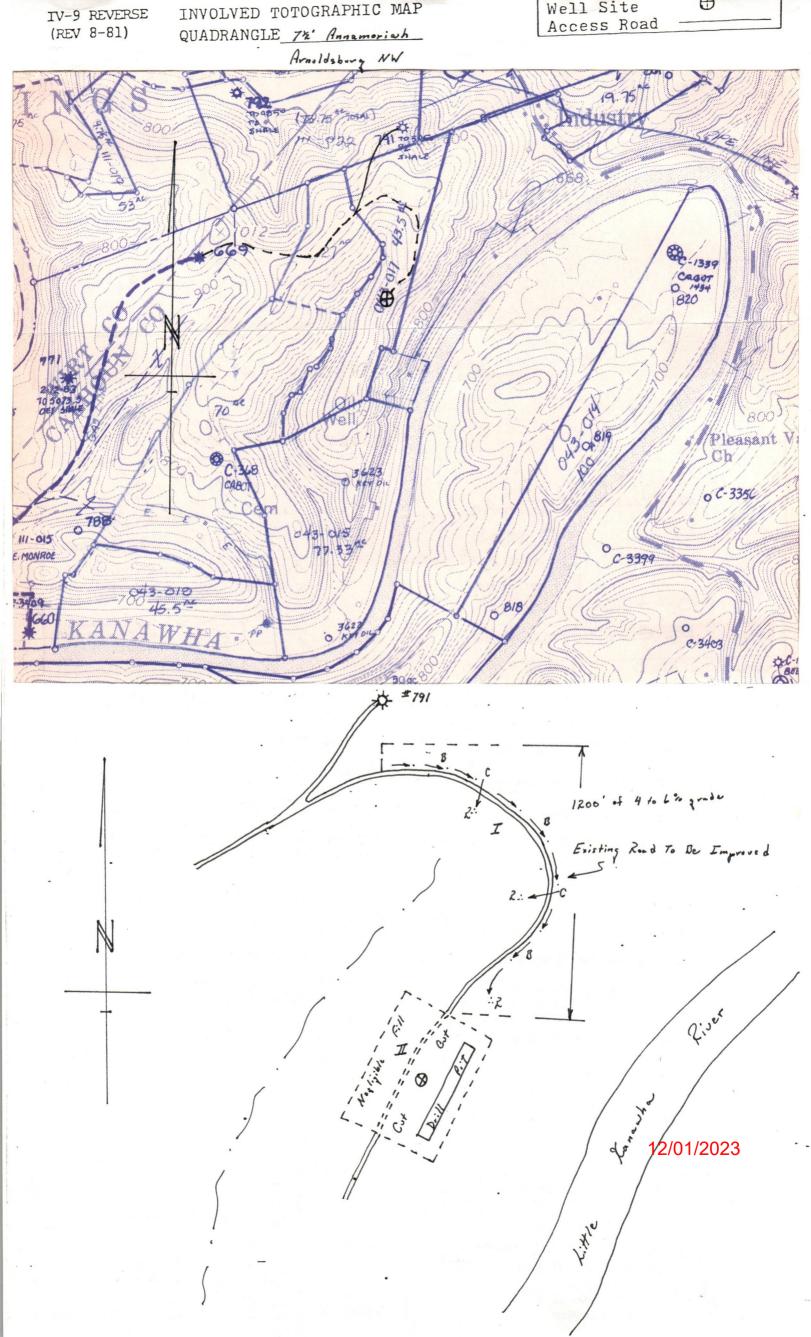
WEIL NO. W:/son = 863 API NO. 47 -0/3 -3684

State of Mest Birginia

Beparlment of Mines Bil und Gas Bivision

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Sterling Drilling & Prod. Co	WELL OPERATOR Sterling Drilling & P.
Address 360 Madison Ave NY, NY 1001	7 Address C/O H.L. Berger - Chars., WY
Telephone (212) 949-9100	Telephone (304) 342-0121
LANDOWNER Alfred Davis	SOIL CONS. DISTRICT Little Yanawha SCD
Revegetation to be carried out by Sterling	g Drilling & Prod. CoH.L.Berg (gent)
This plan has been reviewed by L, H/e	Kanzulha SCD. All corrections
and additions become a part of this plan:	11-30-83
and additions become a part of this plant	(Date)
La Ja	rett Newton
	(SCD Agent)
ACCESS ROAD	LOCATION
Structure (A)	Structure (1)
Structure(A)	MECERVED
Spacing .	Material
Page Ref. Manual	Page Ref. Manual DEC 2 - 1983
	OIL & GAS DIVISION
Structure Drainage Ditches (B)	Structure Rip-Rap DEPI. of MINES (2)
Spacing Roadside.	Material Rock
Page Ref. Manual 2-12	Page Ref. Manual 2.9
rage ret. Tanaa K-7/6	(2)
Structure Cross Ditches (C)	Structure(3)
Spacing /35' for 4-6 2 grade	Material
	Page Ref. Manual
Page Ref. Manual 2-4	
All structures should be inspected regular commercial timber is to be cut and stacked a	All all brash and small beneg
cut and removed from the site before dirt wo	rk begins.
REVEGETAT	10%
Treatment Area I	Treatment Area II
Lime 2 Tons/acre	Lime 2 Tons/acre
or correct to pH 6.5	or correct to pH 6.5
Fertilizer 600 lbs/acre (10-20-20 or equivalent)	Fertilizer 600 lbs/acre (10-20-20 or equivalent)
0 - 1	Mulch Hay 2 Tons/acre
	Seed* K-31 40 lbs/acre
754-51	hadina Clover 4 lbs/acre
Ladino Closer 4 IDS/acre	lbs/acre
	12/01/2023
*Inoculate all legumes such as vetch, trefoil Inoculate with 3% recommended amount.	Moore's Well Services, Inc.
PLAN Pr	REPARED BY Girland Y. Campbell
NOTES: Please request landowners'	ADDRESS Route 1 Box 30
seedling for one growing season.	Duck, WV 25063
Attach separate sheets as	PHONE NO. (304) 364-5780
necessary for comments.	



FORM IV-2(A) Obverse [8-83]

1)	Date: November	18	,1983
	Operator's	and the subjection of	and the second section of the
	F1 11 11 000		

Well No. 863 3) API Well No. 47 - 0/3-3684 State County Permit

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

		ER(S) OF RECORD TO	BE SERVED	5(i) COAI	L OPERATOR UNOPERATED	
(1)	Name Alf	red Davis	0	Addi	ress	
	Audress_	Monday, W.V. 2615	2	(ii) COAI	CONNER(S) WITH DECLARATION ON RECORD	
(ii)	Name		863		UNKNOWN RECORD	
	Address		P 522 056	673	lress	
iii)	Name -		RECEIPT FOR CERT	IFIED MAIL		
/	Address		NO INSURANCE COVERAGE NOT FOR INTERNATION		lress	
			(See Reverse)	LESSEE WITH DECLARATION ON RECORD:	
			ALFRED DAVI.	5		
			Street and No.		ress	
		TO THE PERSON(S) NAMED	P.O., State and ZIP Code		2;	
		(1) The Application	MONDAY, W. U.	26152	nd the following documents: Form IV-4 if the well is	
		to be plugged, and describes	Postage	\$	drilling or other work, , the proposed casing and	
		(2) The plat (surv	Certified Fee		n IV-6; and	
		(3) The Constructi plug a well),			the well work is only to ent control and for	
		reclamation fo	Special Delivery Fee			
		WHICH ARE SUMMARIZED IN (FORM IV-2(B) OR FORM 4	Restricted Delivery Fee		; REGARDING THE APPLICATION E COPY OF THE APPLICATION	
		ACTION AT ALL.	Return Receipt Showing to whom and Date Delivere	d	VEQUIRED TO TAKE ANY	
		Take notice that i erator proposes to file	Return Receipt Showing to wh	om,	ne undersigned well op-	
			Date, and Address of Delivery	TARREST MATERIAL SAME	l accompanying documents and Gas, West Virginia	
		and depicted on attache Construction and Reclar	TOTAL Postage and Fees	\$	ad on attached Application	
		by hand to the person(s	Postmark of Date		certified mail or delivered circumstances) on or	
		6) EXTRACTION RIGHTS			DECENVEN	
		Check and provide or Included is the 1	Form		NIP OF THE PROPERTY OF THE PRO	
	4.	I hold the ric			or contracts by which DEC 2 - 1983	
		7) ROYALTY PROVISIONS	the se	See (See)	se side for specifics.)	
		Is the right to extract	produce or market the oil	or gas based	OIL & GAS DIVISION	
		for compensation to the	owner of the oil or gas in	well royalty o	or any similar provision EPI. OF WITHES	
		to the volume of oil or	gas so extracted, produced	or marketed?	Yes No X	
		If the answer a	bove is No, nothing addition orm IV-60.	nal is needed.	. If the answer is Yes,	
		the required copie Reclamation Plan.	de for line item instruction s of the Notice and Applicat	ns, and for in tion, plat, an	nstructions concerning and Construction and	
The	truth of t	the information on	. 🕶			
		olication is verifi		ELL DEDATOR C	terling Drilling & Prod. Co., Inc.	
and s	sworn to a	and the Notice is		1111013	cerring briting & Frod. Co., Inc.	
	ed on beha	alf of the Well Ope	erator B	y Ka	us X. Derser	
sign	y County a	and State by			ignated Agent	
in my		L. Berger, Jr.	· · · · · · · · · · · · · · · · · · ·	Address_	710 Virginia St., E.	
in my	Harry		1000			
in my	Harry 18 day of	November	, 19 <u>83</u> .	Talonhan	Charleston, W.V. 25301	
in my	Harry 18 day of		_, 19 <u>83</u> .) , 19 <u>89</u> .	Telephon	Charleston, W.V. 25301 e_342 - 0121	
in my	Harry 18 day of Commissi	November on expires May 10	_, 19 <u>83</u> . _, 19 <u>89</u> . ounty,	Telephon	Charleston, W.V. 25301 e 342 - 0121 12/01/2023	

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-la(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

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

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

- Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that-
- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market

the oil or gas are as follows: Grantor, lessor, etc. Grantee, lessee, etc.

Dorcy Wilson Monday, W.V. 26152 Sterling Drilling & Prod. Co., Inc.

1/8 080/276

Book Page

Royalty

Virgil D. Monroe Henrietta Mills Harold Humphrey Victor Hamilton Edna Derring Geraldine Hopwood Harley Collins



OIL & GAS DIVISION
DEPT. OF MINES



State of Mest Mirginia Pepartment of Mines Gil and Gas Division

Date	9/7/84	
Operato Well No		
Farm	Dorcy Wilson	1
APT No	47 - 013	-3684

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 949.10 Watershed	Little K	anawha Rive	r	Comprehension of
District: Sheridan County Calh	oun	Quadrangle	e 7.5' A	nnamoriah
COMPANY Sterling Drilling & Production Co., Inc.				10
ADDRESS 710 Virginia St., E, Charleston, WV	Casing	Used in	Left	Cement fill up.
DESIGNATED AGENT Harry L. Berger, Jr. 25301	Tubing	Drilling	in Well	Cu. ft.
ADDRESS 710 Va. St., E. Charleston, WV 25301	Size			Production of
SURFACE OWNER Alfred Davis	20-16 Cond.			
ADDRESS Monday, WV 26152	13-10"			
MINERAL RIGHTS OWNER Dorcy Wilson, et al.	9 5/8	496'	496 '	surface
ADDRESS General Delivery, Monday, WV 26152	8 5/8	170		
OIL AND GAS INSPECTOR FOR THIS WORK Deo	7	2085	2085'	175 CV
Mace ADDRESS Rt.1, Box 5, Sandridge, WV	5 1/2	2003	2083	175 SX
PERMIT ISSUED 12/19/83 25274			5233!	290 SX
DRILLING COMMENCED 6/20/84	4 1/2		3233	290 SA
DRILLING COMPLETED 6/26/84			-	
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2			-
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED ON	used			
CENTOCICAL MADOLIN FORMATION	- Data and a second second second	Don	4 h 5000	
GEOLOGICAL TARGET FORMATION Devonian Shale	n . 1		5200	
Depth of completed well 5259' KB feet	-	-	-	
Water strata depth: Fresh 375' feet;	-			a N
Coal seam depths:	. Is coa.	L being min	ed in the	area?No
OPEN FLOW DATA				
	P	ay zone dep	th 3275'-	5205' feet
Producing formation Devonian Shale			flow	- Bb1/d
Producing formation Devonian Shale Gas: Initial open flow 0 Mcf/d		nitial open	LICH	
	Oil: I			
Gas: Initial open flow 0 Mcf/d Final open flow 411 Mcf/d	Oil: I	inal open f	low	- Bb1/d
Gas: Initial open flow 0 Mcf/d Final open flow 411 Mcf/d Time of open flow between init	Oil: In	inal open f final tests	15/2/b	- <u>Bb1/6</u>
Gas: Initial open flow 0 Mcf/d Final open flow 411 Mcf/d Time of open flow between init Static rock pressure 1030 psig(surface	Oil: In Final and the measure	inal open f final tests	15/2/b	Bb1/c
Gas: Initial open flow 0 Mcf/d Final open flow 411 Mcf/d Time of open flow between init Static rock pressure 1030 psig(surfact (If applicable due to multiple completion	Oil: In Final and the measure	inal open f final tests ement) afte	142/6 2 96 hou	Bbl/d 1/2023 urs shut in
Gas: Initial open flow 0 Mcf/d Final open flow 411 Mcf/d Time of open flow between init Static rock pressure 1030 psig(surfact (If applicable due to multiple completion)	Oil: In Final and the measure	inal open f final tests ement) afte ay zone dep	15/2/00 2 15/2/00 2 96 how	- <u>Bb1/6</u>

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

Perforations - 74 holes - 3275'-5205'

Treatment - 3347 MSCF N₂; 35 bbls 15% HCL JMIM 30 J930

WELL LOG

			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	The state of the s
Shandstone and shale	0	1292	10' KB
Salt sand	1292	1360	
Sand and shale	1360	1701	
Maxon	1701	1810	Berg Brain back Oliv Brains
Lime	1810	1815	
Pencil cave	1815	1827	
Big lime	1827	1948	
Big Injun and shale	1948	1968	
Siltstone and shale	1968	2336	
Sunbury shale	2336	2350	
Berea	2350	2355	American services and the services of the serv
Sandy siltstone and shale	2355	2704	
Gordon	2704	2713	
Grey siltstone and shale	2713	5259	TD 5259' KB
			THE TOTAL PROPERTY OF THE PARTY OF THE
A second			
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· marketing and the second sec	and the same of the same		
A STATE OF THE STA			
A STATE BOOK STATE	political de		The bade from the Manual
	13320 1352	4.0	
efficiency with a consent transfer for			

(Attach separate sheets as necessary)

_Sterling Dr	rilling and Production Co., 1201/2023
Well Ope	erator
By:	tain J. Deiger &
Date:	10-13-84

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

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 19 - 960		3415	and the second seco	Oil of	Gas Well
Company Sterlin	ig.	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address		Size			
Farm Wilson	ografia O competition of the com	16			Kind of Packer
Well No. 863		13			
District Sheridan		81/4		A REPORT OF THE PROPERTY OF TH	Size of
Drilling commenced 6	AND A COMMAND DEVICE OF THE PARTY OF THE PAR	65%			Depth set
Duilling completed	Advisor and the second	5 3/16			
Drilling completed	Total depth	3		para may para mena	Perf, top
Date shot	Depth of shot	2		and the second	Perf. bottom
Initial open flow	/10ths Water inInch	Liners Used		general and annual s	Perf. top
Open flow after tubing	/10ths Merc. inInch		And which the second		Perf. bottom
Volume	Cu. Ft.	CASING CEMEN	NTED	_SIZE	No. FTDate
lock pressure	lbshrs.	NAME OF SER			The second secon
Dil	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES
resh water	feetfeet	FEET_	INCHI	ES	FEETINCHES
alt water	feetfeet	FEET_	INCHI	ES	FEETINCHES
rillers' Names Ha	ent 8			and the second s	
emarks: 494' of 99	" cousing, 195 5	45, Dow	ell 6	-21-	84
	" 1 , 175 5				

6.23.84

W-cs Mar and 1/2023

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANY			ADDRESS		Company of the	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			Asia and	-receive reduction	10 10 mg - 10 19 /	
FARM		DISTRICT	C	OUNTY	-	
Filling Material Used				and the second		
iner Loca	tion	Amount	Packer	Location	1	arte de la companya d
PLUGS USED AN	D DEPTH PLACED		BRIDGES	CASIA	G AND T	UBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
			0.55		a ma	
			- W		a we will.	V. 1.4.√1
			aprile de la constante de la c			
					day of section	
				1.50		
llers' Names	4 4 4	The second secon				
marks:					State of the state	
HAFKS:						

DISTRICT WILL IN PROPERTY

COMPANY Sterling Drilling





APR 2 3 1986

013-3684

(12-19-83

State of West Birginia

Bepartment of Mines Gil and Gas Bivision Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT November 1, 1984

PERMIT NO

710 V	irginia Street, East	FARM & WELL NO A1	fred Davis #863
Charl	eston, West Virginia 25301	DIST. & COUNTY She	eridan/Calhoun
RULE	DESCRIPTION	IN COM YES	PLIANCE NO
23.06	Notification Prior to Starting V		NO
25.04	Prepared before Drilling to Prev		
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite	demonstration depth in proceedings and	
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing	-	designation of the second seco
15.01	Adequate Production Casing		
15.04	Adequate Cement Strenght		
15.05	Cement Type		
23.02	Maintained Access Roads		
25.01	Necessary Equipment to Prevent W	laste	
23.04	Reclaimed Drilling Pits		
23.05	No Surface or Underground Pollut		
23.07	Requirements for Production & Ga	thering Pipelines	
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings		
T HAVE	INSPECTED THE ABOVE CAPTIONED WELL	AND RECOMMEND THAT IT BE	RELEASED:
		SIGNED Wes	Moce
		DATE 4-19-	
	ell record was received and reclam napter 22, Article 4, Section 2, t ge for the life of the well.	THE	reso
		Administrator-Oil	& Gas Division
		April 29, 1986	
		DATE	

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

1.0 API well number:	1	47 -	013 - 3684	-	
(If not assigned, leave blank, 14 digits.)	1		015 3004		
20 Type of cetermination being sought:	1			DECT	
(Use the codes found on the from	i	attended to the second	107		MINE
of this form.)	1	Sect	ion of NGPA	Category Cate	A LA IS III
3.0 Depth of the despen completion	1			4-	9/(1
location: (Only needed if sections 103	!	•	5259	feet OCT -	1000
or 107 in 2.0 spoveJ	1				1984
4.0 Name, address and coop number of	1	pactions with the contract of		Co. DEPT. OF	0 -
applicant: (35 letters par line	Ste	rling Drilling	and Production	LO. DEDT	5 D/W18084
maximum. If code number not	Name	A CONTRACTOR OF THE CONTRACTOR AND A CONTRACTOR OF THE CONTRACTOR	ethethethethethethethethethethethethethe	- 1. OF	MINE Saller Cao
evolletie, kove blanks	1 710	Virginia St. Ea	st, Arcade Bu	ilding	
	Street	The second secon	gaye'n yakana, ujinagi masada Talassii. Nalifi dapi ujiyo esabalikan yaliyan yanaliyo nan dilibu didilibu ka k ,	CONTRACTOR OF THE PROPERTY OF	
	Char	leston,, WV 2530)1		
	GN	parage and a superior of the s	Stat	Zo Coc	28
5.0 Location of this well: [Complete la)		STANDARD ST	THE RESERVE THE PROPERTY OF TH		and the state of the same of t
or (b).1	Sì	neridan Distric	t		
(a) For anshare wells	Field N	MERCHANTEL MARKET PROPERTY AND THE PROPERTY OF		entipesticulus husbur minimizario della con fili sauce de ribilità i significario di differenti primi	· ·
(35 letters maximum for field .	1	alhoun ·			
name.)	County		Star	re V!V	_
(b) For OCS wells:	Conty		3 L4 1	Y, V	-
to ror occine	i				
	Area Na	THE .		Block Num	The Establish professional array water programme or programme and the second se
		•			
	1	Date	of Least		
	1	1 1 1	1 1 1 1		
		Ma.	Day Yr.	OCS Less Number	
let Name and identification number	i	ali puneera menera de consultativa per esta disservada en un respectibilità de la consultativa del consultat	ACTION OF THE PROPERTY OF THE		
of this well: (35 letters and digets	1	Wilson # 863			
Lmumixem	-		ary productives the state of the control of the con	CONTRACTOR AND THE PROPERTY OF	
(a) If cocs 4 or 5 in 2.0 above, name		and a plate a residence of the Colonial Transformation of the Colonial States consulting and entire two	The second secon		
of the reservoir: (35 letters	i				
(mumixam	1				
6.0 (a) Name and cods number of the				CONTRACTOR OF THE PROPERTY OF	
purchaser. (35 letters and digits	1	d-2			
maximum. If code number not	1	UN	DEDICATED		
available, larve blank.)	Name	ATTENDED TO THE PROPERTY OF TH	and the second distance of the second of the		Buver Code
(b) Care of the contract:	1				
				1.1	
1	i		Ma. Cav	Yr.	
(e) Emmated total annual production	1		eligatinisticisaticis—acon dell'ir recrision dell'interessoni dell'interessoni dell'interessoni dell'interessoni		
from the well:	1		12	Million Cub	C Frot
				Id All Other	(d) Total of (a).
		(a) Boss Price	(b) Tax	Prices [Indicate	(b) and (c)
				(+) or (-1.)	
7.0 Contract price:	i			1	
(As of filling ours. Complete to 3	1 S/MMBTU	5 8 6 6			
ceamer process					
8.0 Maximum leverul rate:	1			1	
(As of filling care. Complete to 3	SIMMETU	5 8 6 6			
ceamel pisces		against a country or court of the country of the co	CONTRACTOR ANNUAL ACCUMENT		
9.0 Person responsible for this application:	1	/			
	Harr	y L. Berger, J	g.	Designa	ted Agent
Agency Use Only	Name	1 1 1	()	Title	
Care Received by Juris, Agency	11	any V. 6	KIGH X		
UCI - 4 1984	Signatur			204 240 2	101
CATE RECEIVED BY FERC	Octob	er 2, 1984		304-342-0	121
	Care Ao	olication is Completed		Phone Number	

DEPARTMENT OF MINES, OIL	AND GAS DIVISION
COVER SHEET, STATE APPLICATION FOR	
Date: Oct. 2, ,19 84	AGENCY USE ONLY
Applicant's Name: Sterling Drilling & Production Co.	
Address: 710 Virginia Street, E. Arcade Bldg	84 1004-107 - 8/3- 3684
Charleston, WV 25301	
Gas Purchaser Contract No.	Use Above File Number on all Communications Relating to This Well
Date of Contract (Month, day and year)	
First Purchaser:UNDEDICATED	Designated Agent: Harry L. Berger, Jr.
	Address: Sterling Drilling & Prod. Co., I
Address: (Street or P.O. Box)	710 Virginia St., E. Arcade Bldg Charleston. WV 25301
(City) (State) (Zip Code) FERC Seller Code 018084	FERC Buyer Code
NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNIBE ADDRESSED:	NG THIS APPLICATION SHALL
Name: Harry L. Berger, Jr. (Print) Signature: Address: Sterling Dyilling & Prod. & 710 Virginia St., E., Arcad (Street or P.O. Box) Charleston, WV (City) (State) (Certificate of Proof of Service to Purchase)	25301 (Zip Code)
NGPA Catagory App	lied For
102 New Natural Gas 102-2 2.5 Mile Test 102-3 1000 Foot Deeper Test 102-4 New Onshore Reservoir 103 New Onshore Production Well 103 New Onshore Production Well	108 Stripper Well Natural Gas 108- Stripper Well 108-1 Seasonally Affected 108-2 Enhanced Recovery 108-3 Temporary Pressure Buildup
107 High Cost Natural Gas 107-0 Deep (more than 15,000 feet) 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
DECEIVED	12/01/2023

MP -- R OCT - 4 1984 OIL & GAS DIV.

DEPT. OF MINES

Date Received

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

	Operator: Storling Onling by Padieton Co., Inc. Agent: H.L. Berger
	Type Determination being sought - 107 (Devonian Shale)
	API Well No.: 47-013-3484 Well Name: Nilson # 863
	West Virginia Office of Oil and Gas County: Calhoun 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 = 160 * API Units 2. Remarks:
	Gainma Ruy Sule = 0 -= 200 API Units
	B. Gamma Ray Log Value at 0.7 x Value at Base Line
	1. GR Value = 160 * API Units 2. Calculation: 0.7 (GR Value at Base Line) 0.7 (160 *) = 112 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)
	Feet
	5254
	Total Devonial Interval 2898'
T	otal Less Than 0.7 (Shale Base)
•	Less Than 0.7 (Shale Base Line) = 0.0159 = 100 - 150 =
	12/01/2023

*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.

7.

STATE OF WEST VIRGINIA

Date Oct. 2, 1984

DEPARTMENT OF MINES OIL AND GAS DIVISION Operator's

Well No. Wilson #863

API Well No.

47 - 013 - 3684 State County Permit

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

	DESIGNATED AGENT Harry L. Berger, Jr.			
	ADDRESS Arcade Building; 710 Virginia St., E.			
	Charleston, WV 25301			
	LOCATION Elevation 949.10			
WELL OPERATOR Sterling Drilling and Product	ion Watershed Little Kanawha River			
ADDRESS 710 Virginia St., East	Inc. Dist. Sheridan County Calhoun Quad. Annamor 72			
Charleston, WV 25301	Gas Purchase			
.GAS PURCHASER UNDEDICATED	Contract No.			
ADDRESS	Meter Chart Code			
	Date of Contract			
* * * *	* * *			
Date surface drilling began: 6/20/	84 ·			
Indicate the bottom hole pressure of the w	ell and explain how this was calculated.			
zadeute ene poetes neer person e				
XI.	GS			
Bottom Hole Pressure. PSIA Pf = Pwe XL				
$t = 60 + (0.0075 \times 5259) + 459.67 = 53$	59 $x = \frac{1}{53.34} \times \frac{559}{} = .0000335$			
$Pf = 1030 \times 2.7183 \cdot 000335 \times 4240$	x 1690 x 1.08 = 1145 PSIA			
AFF	IDAVIT			
report described in subparagraph (3)(ii)(B of potentially disqualifying non-shale foo percent of the gross Devonian age interval	e of the producing interval which is not index of less than 0.7 if a Gamma Ray log (A) has been filed, or as indicated by the ; I have demonstrated that the percentage tage is equal to or less than five (5); and I have no knowledge of any information inconsistent with a conclusion that the well			
STATE OF WEST VIRGINIA				
COUNTY OF Kanawka, TO-WIT:				
- INBA	Public in and for the state and county			
aforesaid, do certify that Harry L. Berger the writing above, bearing date the 2"4	r, Jr. whose name 12/01/2023			
acknowledged the same before me, in my cou				
Given under my hand and official seal this				
My term of office expires on the 37th day	of <u>October</u> , 1991			
(NOTARIAL SEAL) OFFICIAL SEAL NOVACY PUBLIC STATE C: VEST VIRGINIA JOAnn K. Brooks	Notary Public			

