FILE COPY



1)	Date: Sept	ember 7		, 1983
2)	Operator's Well No.	816		RORNI (V 2(3)
2)	ADI Wall No	47	013	3657

County

Permit

State

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

4) WELL T	В	(If "Gas"	, Productio	on	X	/ Underground	storage	/ Deep	_/ Shallow _X /)
5) LOCATIO			1107			Watershed: _	Mushroom Rur	of W. Fork	of L. Kanawha Riv
0 11511 01	D	istrict:	Lee	2772	- 0 D	County:C	alhoun	Quadrangle: _	7.5' Arnoldsburg
Addres	PERATOR	Steri	son Av	1111	ng & P	rod. Co., I	no. DESIGNATE	DAGENT Harr	y L. Berger, Jr.
Addres			, New				Address		a St/ E.
8) OIL & GA					1001	<del>/ m_</del>	O) PRULING G	Charleston,	W.V. 25301
	Deo		BE NOT	IFIED			9) DRILLING CO		
Addres			Box 5				Address	UNKNOWN AT T	HIS TIME
							Sun es	PISTANIE	
10) PROPOSI						deeper	D. B. L.	SEUVIT	
			Plug o	ff old	formation	Perfor	ate new formation	/ Stimulate	
			Other 1	physical	change i	n well (specify)	ate new indination	EP 3 0 1983	Wasself .
11) GEOLOG	ICAL TAR	GET FOI	RMATION	i, Bl	ROWN S	HALE	3	EF 0 () 1903	
12) Estim	ated depth	of comple	ted well,	541	00	feet			
13) Appro	oximate tra	ta depths:	Fresh, _			feet; salt	OIL	& GAS DIVISIO	N
14) Appro	oximate coa	l seam de	pths:		0	Is co	al being mined in the	Trea? TYES MIN	ES No X
15) CASING	AND TUB	ING PRO	GRAM					Tr. Ur. Ivilla	have trans
CASING OR TUBING TYPE		SPE	CIFICATION   Weight	S	- 1	FOOTAGE I	NTERVALS	CEMENT FILL-UP	PACKERS
	Size	Grade	per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	10 March 1970
Conductor									Kinds
Fresh water	9 5/8	LS	33#	X		325 400	325'400	To Surface	By Rule 15-05
Coal	711	7.55							Sizes
Intermediate	7"	J-55		X		2300'	2300'	100 sks	
Production	4 122	ERW	10.5#	X			5400'	250 sks	Depths set
Tubing Liners						E USE ONLY	D1330		The second second
Liners									Perforations:
		21301194	de di cui	2/01/2	yas h	IR vabberationed t	rights to outsit t	at bin arm is for	Top Bottom
77	1.00								A STATE OF THE STA
	31814		- 6				7 910FT		
				<del>( )</del> ((3)	(	OFFICE USE O	NII V		Company militarities
						DRILLING PER			
ermit number_	47-0	12 26	5.7			AUDELING I EI	CIVILI		
ermit number_	47-0	13-30.	57					October	19 19 83
his permit cover	ring the we	11						Date	completions of the drilling
uirements subject	ct to the co	Il operato	r and well	locatio	n shown l	below is evidence of	permission granted	to drill in accordance	e with the pertinent legal re-
(o. 8) Prior to the	he construc	tion of ro	ade Incati	one and	nite for a	no near that	ilication must be give	ven to the District Oil	e with the pertinent legal re- and Gas Inspector, (Refer to ractor shall notify the proper
						ik mas commiched			
he permitted wo	ork is as des	cribed in	the Notice	and A	pplication	, plat, and reclamat	ion plan, subject to	any modifications an	d conditions specified on the
							rum, subject to	any mounications and	d conditions specified on the
ermit expires	OCLOB	er 19,	1985			unless well w	ork is commenced p	rior to that date and p	rosecuted with due diligence.
									MOLLO TARRES CHERY
Bond:	Agent:	P	lati	Casing	I	Fee		0.	The second second second second
BB	or	158	4/	24	63	56	M' M	1) 1	
		10	-	1,	100	<u> </u>	1/1/1/1	11/	
							LANO X	De X	Surva
OTE: Keep on	e copy of t	his permit	posted at	the dri	lling locat	ion	Admini	strator, Office of Oil	and Gas
									(4) FIII
2. M.L.		See tl	ne reverse	side of	the APPI	ICANT'S COPY f	or instructions to th	e well operator.	05/17/2024

Reason:

Reason:





#### OFFICE USE ONLY

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

TOVER SCHOOLS IT	1 2001 . 10 .	USARDOM ALIO	_ Watershed; <u>18</u> County; <u>63</u>		Districts Described	D EUCAHON
	\	G. DESIGNATE			ATOR SECTION IN	gago (19WE).
	efficiently Off	Address	ALL CAUVILLANDS		eva nostatal 038	
	notablych)			thor incl	New York - Mose Y	
		DRILLING CO			NSPECTOR TO BE NOTH	8 OIL & GAS I
	UT TO LOUGHBURE					
Annual Contraction of the Contra					Et. 1 Box 5 -	
The state of the s				W. 25774	NegoobinBes2	
	10000	2 Marian			WELL WORK DOLL	
· · · · · · · · · · · · · · · · · · ·	Carry Stimulate V. S.		Ferfora			
	COOR ISSE	2 1210				
					L TARGET FORMATION,	(I) GEOLOGICA
					depth of completed well.	
	& GAS DIVISION	JIO			iale traca acptr st "Fresh,	pixol <b>qq</b> A= (f1'
	MIM WO'S					
( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	WHITE THE	Louis Vol			TUBING PROOKAM	5) CASING AND
PAČKERS			EGGLACKIN		SPECHICATIONS	GARNO OB
	ORSACES				Sire Crude spirit	advi omani
V V O O	50 Samo of	10047, 200	WU S			
By Eule 10200	Sola Lid C. Vi.	NVT.	1			
				T X		
Depths set					IZZ EBITO.SA	A housebox
136,003,000	6.6	OFFI	CE USE ONLY			gride
Perforsions						
This part of Form IV-2	(b) is to record th	e dates of certa	in occurrences a	and any follow	v-up inspections.	
This part of Form 1v-20	(b) is to record th	c dates of corn				
		Date			Da	ate(s)
A limation received			Follow-u	p inspection(s	s)	
Application received			PEKE USE OF	0		
Well work started			HILLING PER	· ,,		
	radora0				47-013-8657	umit number
G 1 C Juilli						
			no pariabive si "wole	cation shown b	the Well operator and well I	
Wall Decord received			A harmonian man and N	Aw Entimoso Isi		
Reclamation completed				na tenilara bris	s as described in the Notices	c permitted work i
Reclamation completed	bus succlassifications and	in oran, subjectato	HRUPETSI MIR ' PET	,		
evecuted with due difigence.	an has prohited of the				ccober 19. 1983	
OTHER INSPECTION	(3		96	Casing	Agenti Place	Bond:

COLK ON

Administrator, Oruge or Gloand Cas

#### COAL OWNER'S COPY



1)	Date: Septe	mber 7	, 19
2)	Operator's Well No.	816	

3) API Well No. 47 013 3657
State County Permit

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

#### APPLICATION FOR A WELL WORK PERMIT

4) WELL T	TVDE		;1	/ Ga	c V	,			n	
4) WELL	111					X	/ Underground s	torage	/ Deep	_/ Shallow/)
5) LOCAT	ION:			1107		٨	Watershed:			of L. Kanawha River
s, Ecciti				100						5' Arnoldsburg
6) WELL	PER			They Talk Talk		a & Pro				L. Berger, Jr.
Addr	A STATE OF THE STA					fth Fl		Address	710 Virgina	
		-	A LANGE SOLL SEE AND			10017			Charleston	
8) OIL & (	GAS	124044	4 4 2 24 3	BE NOTII	4 4	4.0021		9) DRILLING CO	NTRACTOR:	
Name _		Den	Maro					Name	UNKNOWN AT TH	IS TIME
Addr	ess	The same and	1. 4 (4) (4) (4) (5) (5)	lox 5				Address	Ottombon et a	M 100 1 1 100
				lge, W.		5274				
10) PROPO	SED					/ Drill	deeper	/ Redrill	/ Stimulate	
io, raoro								ate new formation_		
11) GEOLO	GICA	AL TAR	GET FOR	District the second						
12) Esti	mate	d depth c	of complete	ed well,	540	10	feet			
								A CONTRACTOR	feet.	
									area? Yes	/ No/
15) CASING	100000000000000000000000000000000000000									
CASING OR	-			IFICATIONS		- 11	FOOTAGE I	NTERVALS	CEMENT FILL-UP	PACKERS
TUBING TYPE		Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor										Kinds
Fresh water		0 5/9	18	324	Y		-3851400	3251400	To Surface	P 9 11 1 - 0 -
Coal .		/-								Sizes
Intermediate		7"	.1_55	20#	X		23001	2300'	100 sks	
Production		4 172	FRW	10.5#	X			54001	250 sks	Depths set
Tubing										
Liners										Perforations:
										Top Bottom
				INC	TDUCT	TIONS TO	COAL OPERAT	OR, OWNER, OR	FSSEE	
				INS	INCC	TIONS TO	COAL OF ERAT	OR, OWNER, OR	LESSEE	
									iny objection they wis	
		at most		by the De			ed with the Depar	tment of Mines with	in fifteen (15) days afte	
	U	i tins Ap	pheation	by the Dep	Jai tillei	11.				
			The follow	wing waive	er must	be complet	ted by the coal op	erator and by any c	oal owner or coal less	ee
							Code §22-4-20, if	the permit is to be i	ssued within fifteen (1	5)
			days of th	ne filing of	the Ap	oplication.				
							WAIVER			
Th		and				1000		/1000	/ C.1	oal under this well location has
The unders				If 1 mine						n added to the mine map. The
					The second					all applicable requirements of
the West Virg										
BB		K	1	4	1	- 55	56			
D .					0					
Date:				, 1	9		l	By		
								ta		
								ts		

August 3 1) Date: 2) Operator's

Well No. 816 3) API Well No. 47

State County Permit

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

	HOTTEL OF APPLICATION FOR	A WELL	WORK PERMIT
	RFACE OWNER(S) OF RECORD TO BE SERVED		COAL OPERATOR UNOPERATED
(i)	Name Emmons B. Smith		Address
	Address Rt. 3 Box 500		
	Arnoldshura W V 25231	5(ii)	COAL OWNER(S) WITH DECLARATION ON RECORD:
(ii)	Name		Name_UNKNOWN
	Address		Address
(iii)			Name
	Address		Address
	the state of the s		11120011151
		5(iii)	COAL LESSEE WITH DECLARATION ON RECORD:
			Name SED 6
			Address
			1983
TOT	F PERSON(S) NAMED ADOLES		and this Form and the following documents of DIVISION of The Well is OF MINES of applicable, the proposed casing and
	ABOVE: You should have	receive	ed this Form and the following down onts
	(1) The Application for a Well Work Permit	On For	TIMES (B) (on The Times DE
ù1	to be plugged, which sets out the part	ies im	rollyed in the decilion IV-4 if the well is
	and describes the well and its location	n and	if applicable, the proposed casing and
	cementing program;		applicable, the proposed casing and
	(2) The plat (surveyor's map) showing the (3) The Construction and Peclamatical Plan	well 10	cation on Form TI C
			sion and sediment werr work is only to
	reclamation for the site and access ro	ad elo	ston and settment control and for

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 sworn to and the Notice is signed on behalf of the Well Operator in my county and State by Harry L. Berger, Jr this day of August My commission expires Notary Public, Kanawha State of West Virginia

Prod. Co., Inc. Its Designated Agent 710/Virginia Charleston, 1 342 - 0121

#### 6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c)(1) through (4). (See reverse side for specifics.)

#### 7) ROYALTY PROVISIONS

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

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

## 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 § 22-4-3a from the commer 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 coverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that—

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

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
O. Ray Reading Ray Grimm	Sterling Drilling and Production Co., Inc.	1/8	085/176

013-3657

815 816 817

No.

173703

## RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL (See Reverse)

EMMONS B. SMITH STREET AND NO.

RT 3 BOX 500

P.O., STATE AND ZIP CODE

ARNOLOSBURG, W.U. 25234 POSTAGE CERTIFIED FEE CONSULT POSTMASTER FOR FEES SPECIAL DELIVERY ¢ RESTRICTED DELIVERY

SHOW TO WHOM AND DATE DELIVERY

SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY

SHOW TO WHOM AND DATE DELIVERY

SHOW TO WHOM AND DATE DELIVERY

SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY

SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY RESTRICTED DELIVERY ¢ ¢ ¢ ¢ \$2,40 TOTAL POSTAGE AND FEES PS Form 3800, Apr. 1976 POSTMARK OR DATE ON AUG 10 1983



05/17/2024

DEPT. OF MINES





IV-35 (Rev 8-81)

MAR 2 - 1984

State of West Wirginia

Bepartment of Mines Bil und Gas Bivision

Date	February 1, 1984	
Operat	or's	_
Well N	lo. 816	_
Farm_	Reading	_
API No	. 47 - 013 - 3657	

OIL & GAS DIVISION

DEPT. OF MINES WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

(If "Gas," Production X / Undergrou				
OCATION: Elevation: 1107.55 Watershed Mu				
District: Lee County Calho	un	Quadrangl	e Arnolds	sburg 7½'
OMPANY Sterling Drilling & Production Co., Inc.				
DDRESS 710 Va. St. E., Charleston, WV 25301	Casing	Used in	Left	Cement
ESIGNATED AGENT Harry L. Berger, Jr.	Tubing	Drilling		fill up
DDRESS 710 Va. St. E., Charleston, WV 25301	Size	Dilling	TII WELL	Cu. ft.
URFACE OWNER Emmons B. Smith	20-16		40	1 200 300 100
DDRESS Rt. 3 Box 500, Arnoldsburg, WV 25234	Cond.			
INERAL RIGHTS OWNER 0. Ray Reading , et al	13-10"	4201	4001	
DDRESS General Delivery, Arnoldsburg, WV 25234	9 5/8	430'	430'	150 sks.
IL AND GAS INSPECTOR FOR THIS WORK Deo Mace	8 5/8			
ADDRESS Rt.1 Box 5, Sandridge, WV	7	2566'	2566'	170 sks.
ERMIT ISSUED October 19, 1983 25274	5 1/2			
RILLING COMMENCED January 9, 1984	4 1/2	5314'	5314'	220 sks.
RILLING COMPLETED January 16, 1984	3		7 73	
F APPLICABLE: PLUGGING OF DRY HOLE ON	2			
ONITINUOUS PROGRESSION FROM DRILLING OR	Liners			Spanie a de la de
EWORKING. VERBAL PERMISSION OBTAINED	used			
POLOGICAL TARGET FORMATION Devonian Shale		Dept	h 5400	feet
Depth of completed well 5331 feet Ro		_/ Cable	Tools	
Water strata depth: Fresh 265 feet;	Salt 990	feet		
Coal seam depths: None	Is coal b	eing mine	d in the	area? No
EN FLOW DATA				
Producing formation Devonian Shale	D			
Gas: Initial open flow 329 Mcf/d C	Pay	zone depti	n 2805 -	5286 <b>feet</b>
Final open flow 474	nı: init	ial open :	Flow	Bbl/d
Final open flow 474 Mcf/d	Fina	l open flo	Show Show	Bbl/d Bbl/d
Time of open flow between initia	al and fin	al tests_	hou	irs
Static rock pressure 950 psig(surface	measuremen	nt) after	hour	s shut in
(If applicable due to multiple completion			03/	17/2024
Second producing formation	Pay :	zone depth	1	feet
Gas: Initial open flow Mcf/d O	il: Init	ial open f	low	Bbl/d
Final open flow Mcf/d O	il: Final	l open flo	W	Bbl/d
Time of open flow between initia	l and fina	al tests	hour	re
Time of open flow between initia	A to the state of		1100	LO
Static rock pressurepsig(surface m	easurement	t) after_	hour	s shut in

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

Perforation: 1st Stage- 25 holes 4442'-5286'

> 2nd Stage- 24 holes 3734'-4200' 3rd Stage- 14 holes 3279'-3520'

4th Stage- 11 holes 2805' - 3117'

1st Stage- 1,512 MSCF N2, 1000 gals. 15% HCT Treatment:

2nd Stage- 1,344 MSCF  $N_2$ , 1000 gals. 15% HCl 3rd Stage- 1,344 MSCF  $N_2$ , 800 gals. 15% HCl

4th Stage- 840 MSCF N<sub>2</sub> 800 gals. 15% HCl WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Soil Shale Sandstone Shale Sandstone Shale Sandstone Shale Sandstone w/ Shale Stringers Siltstone and Shale Sandstone Shale Sandstone Shale Salt Sand Shale Sandstone Little Lime Pencil Cave Big Lime Big Injun Siltstone and Shale Sunbury Shale Siltstone and Shale Gordon Shale Siltstone Shale Siltstone Shale Siltstone Shale Total Depth	0 8 90 160 438 486 577 620 980 1405 1712 1733 1770 1883 1916 1969 2000 2011 2155 2174 2488 2504 2818 2847 4858 4893 5051 5113	8 90 160 438 486 577 620 980 1405 1712 1733 1770 1883 1916 1969 2000 2011 2155 2174 2488 2504 2818 2847 4858 4893 5051 5113 5331 5331	Fresh water @ 265'  Salt water @ 990'  Gas Shows 2780'-3130'  Gas Shows 3279'-3520' 3734'-4200' 4442'-5286'

(Attach separate sheets as necessary)

Sterling	Drilling and	d Producti	ion Co., Inc.	
Well	Operator	-7	05/17	7/2024
By:	Han	7 0.	1300	
Date:	2-7	-8- 89		

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 wal, encountered in the drilling of a well."

# STATE OF WEST VIRGINIA

# DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

# INSPECTOR'S WELL REPORT

DEPT. of MINES

			s 4 4 m	Oil o	r Gas Well
Company Sterl	line	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address		Size			The second second second
Farm Reading		16			Kind of Packer
Vell No. 816		13			
district Lee	County Cal.	81/4			Size of
rilling commenced		65%			Depth set
rilling completed	Total depth	5 3/16		propries	
	Depth of shot	3			Perf. top
itial open flow	/10ths Water inInc	h Liners Used			Perf. bottom
oen flow after tubing	/10ths Merc. inIncl	h			Perf. bottom
lume	Cu. Ft	CASING CEMEN	TED	SIZE	No. FTDate
ck pressure	lbshrs				No. FTDate
	bbls., 1st 24 hrs	. COAL WAS ENC	COUNTERED A	T	FEETINCHES
sh water	feetfeet				FEETINCHES
t water	feetfeet		INCHE	and the second	
llers' Names					FEETINCHES

12-10-83

hes mac

DISTRICT WELL INSPECTOR

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

# INSPECTOR'S PLUGGING REPORT

OMPANY			ADDRESS			
ARM		DISTRICT		.COUNTY		
illing Material Used						
ner Loc	ation	Amount	Packer	Location		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND T	UBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOST
				357.072		* x2x
			8	r of law of	and the second	or the second
				- 1 (all		
				TREET		
			Rail and	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		al militar
		7				
		reform to the Lit	o to main d	25		A District
				,		
marks:						

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

DATE

# STATE OF WEST VIRGINIA

DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

05/17/2024

# INSPECTOR'S WELL REPORT

D	-	P	No.	0	OF	Don't	Thomas of the	Pantroan	Towns of the last	Maner	STORE STORE	

Permit No. 13-3657			Oil of	Gas Well
Company Sterling	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address	Size	and the following track is the time of		and the same of th
Farm Reading	16		7.7.00 7.7.00	Kind of Packer
Well No. 816	13			and a superior of the superior
District See County Cal	81/4			Size of
Drilling commenced 1-9-84	65%	na nama a again	La al contra Salaza de	Depth set
Orilling completed	5 3/16			man part appearance when the same well in the con-
Orilling completedTotal depth  Date shotDepth of shot	3		The second secon	Perf. top
nitial open flow/10ths Water inInch	Liners Used	,		Perf. top
pen flow after tubing/10ths Merc. inInch			and the second section was	Perf. bottom
ock pressure lbs hrs.	1			No. FTDate
bbls., 1st 24 hrs.	2.10	OUNTERED A		FEETINCHES
esh waterfeetfeet	FEET_	INCHE	SF	EETINCHES
lt waterfeetfeet	and the second s	INCHE	year on the way to be specified	The state of the s
illers' Names Hut 8			and the second of the second o	
marks: 431' 936" 130'545		lowell	1/-	10-84
Top of costing not ce,	nemes.			

DATE

## STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

# INSPECTOR'S PLUGGING REPORT

Permit No	1 10 100			~ ~	II No	
COMPANY		pringer and the first of the second	ADDRESS			
FARM		DISTRICT		COUNTY		
Filling Material Used						
iner Loc	eation	Amount	Packer	Location	· Carren	
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND T	UBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOST
						93 0 T. C. S.
				(ex 15.15)		gi Lebrio:
				gar to diged		
			contract protection in	a K admity		Land tree
1361710		•		ne Market No.	The state	
			a sa swaw	10-21		
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E1 13/11	37					
rillers' Names						a company to the second second
	F.2.11					was a series
emarks:			· ·			

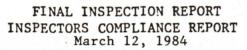
I hereby certify I visited the above well on this date.

05/17/2024



# State of West Birginia

# Department of Mines Gil and Gas Division Charleston 25305





OIL & GAS DIVISION
DEPT. OF MINES

710	Virginia Street, East	FARM & WELL NO	Reading #816
Char	leston, West Virginia 25301	DIST. & COUNTY	Lee/Calhoun
		TN	COMPLIANCE
RULE	DESCRIPTION	YES	
23.06 25.04 25.03 16.01 15.03 15.02 15.01 15.05 23.02 25.01 23.04 23.05 23.07 16.01 16.02	Notification Prior to Starting Work Prepared before Drilling to Prevent W High-Pressure Drilling Required Permits at Wellsite Adequate Fresh Water Casing Adequate Coal Casing Adequate Production Casing Adequate Cement Strength Cement Type Maintained Access Roads Necessary Equipment to Prevent Waste Reclaimed Drilling Pits No Surface or Underground Pollution Requirements for Production & Gatheri Well Records on Site Well Records Filed		
7.05	Identification Markings		
1 HAVI	E INSPECTED THE ABOVE CAPTIONED WELL AND	_	,
		SIGNED W	mace
		DATE	18.84
with (	well record was received and reclamation Chapter 22, Article 4, Section 2, the aboage for the life of the well.	Administrator-	
		DATI	
			05/17/202

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

710 Virginia St. East, Arcade Building Street Charleston,, WV 25301  Gry State Za Code  1. Lee District Field Name Cal houn County  Area Name  Date of Lease:    Complete (a)   Code	0]8084 Seller C
1998 of determination being sought: (Use the cooes found on the front of this form.)  3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)  4.0 Name, address and cooe number of applicant: (35 letters per line meximum. If cooe number not aveilable, leave blank.)  5.0 Location of this weil: (Complete (a) or (b).)  (a) For onshore weils  (b) For OCS weils:  107  Section of NGPA  Category Code   5331  feet  Sterling Drilling and Production Co. Inc.  Name 710 Virginia St. East, Arcade Building  Street Charleston,, WV 25301  Giv State Zio Code  Lee District  Field Name Calhoun  W. V.  County  Date of Lease:    Date of Lease:	
3.0 Depth of the descest completion location: (Only needed if sections 103 or 107 in 2.0 above.)  4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not aveilable, leave blank.)  5.0 Location of this well: (Complete (a) or (b).)  (a) For Onshore wells  (b) For OCS wells:  107  Section of NGPA Category Code  State of NGPA Category Code  Category Code  State Vision of NGPA Category Code  Category Code  State Vision of NGPA Category Code  Category Code  State Vision of NGPA Category Code  State Vision of NGPA Category Code  Category Code  State Vision of NGPA Category Code  Category Code  State Vision of NGPA Category Code  State V	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)  4.0 Name, address and cope number of applicants: (35 letters per line meximum, if cope number not aveilable, leave blank.)  5331 feet  Sterling Drilling and Production Co. Inc.  Name 710 Virginia St. East, Arcade Building  Street Charleston., WV 25301  City State Zio Code  Lee District  Field Name Callhoun Country  State WV  Area Name  Date of Lease:  Date of Lease:  Constitution of this wells:  Constitution of this wells  Callhoun Country  Date of Lease:  Constitution of the description of the desc	
Control   Cont	
4.0 Name, address and code number of applicant: (35 letters per line meximum. If code number not available, leave blank.)  5331 feet  Sterling Drilling and Production Co. Inc.  Name 710 Virginia St. East, Arcade Building Screet Charleston,, WV 25301  Gry State Zo Code  Calhoun  Lee District  Field Name Calhoun  County  Date of Lease:  Code Name and identification authors  Date of Lease:  Code Name Block Number	
4.0 Name, address and code number of applicant: (35 letters per line meximum, if code number not aveilable, leave blank.)  Sterling Drilling and Production Co. Inc.  Name  710 Virginia St. East, Arcade Building  Street Charleston., WV 25301  Giv State Zio Code  Lee District  Field Name Calhoun  (b) For OCS wells:  Area Name  Date of Lease:  Date of Lease:	
Sterling Drilling and Production Co. Inc.    Name	
aveilable, leave blank.)  Name 710 Virginia St. East, Arcade Building Street Charleston,, WV 25301  Gry State Zio Code  City State Zio Code  Lee District Field Name (35 letters maximum for field name.)  (b) For OCS wells:  Area Name  Date of Lease:  County  Date of Lease:	
Area Name    State   Area of Lease:   Color	
Complete (a)   State   Zio Code	Seller C
Charleston,, WV 25301  Gry State Zio Code  or (b).]  (a) For onshore wells  (35 letters maximum for field name  Calhoun W.V.  County State WV  Area Name  Date of Lesse:	and or e
Location of this well: (Complete (a) or (b).]  (a) For onshore wells  (35 letters maximum for field  name.)  (b) For OCS wells:  Area Name  Date of Lease:  (Cty State Zo Code  Lee District  Field Name  Calhoun  Calhoun  Date of Lease:	\$100 et al.
(a) For onshore wells  (35 letters meximum for field name.)  (b) For OCS wells:  County  Lee District  Field Name  Calhoun  W.V.  County  State WV  Date of Lase:	\$198.600°
(a) For onshore wells  (35 letters meximum for field name.)  (b) For OCS wells:  Area Name  Date of Lasse:  (c) Name and identification success	108.4
(a) letters meximum for field Callhoun W.V.  (b) For OCS wells:  Area Name  Date of Lesse:  (c) Name and identification support	
name.)  (b) For OCS wetts:  County  Area Name  Date of Lasse:	
(b) For OCS wetts:  County  State V/V  Area Name  Block Number  County  Date of Lesse:	real
Area Name  Block Number  Date of Lasse:	34. · · · · · · · · · · · · · · · · · · ·
Date of Lesse:	St.
Date of Lesse:	
Cate of Lasse:	
(c) Name and identification august	
Ic) Name and identification question	
of this water too.	
Of This works the	
of this well: (35 letters and digits Reading #816	
(a) If cod 4 or 5 in 2.0 above, name	. U
of the reservoir: (35 letters	
maximum.)	
at Name and code number of the	The Administration of the control of
purchaser. (35 letters and disease	
The state of the s	
Iveriable, larve Mank )	data come
O) Care of the contract:	A SALE W
Suve	er Case
Estimeted total annual production   Mo. Day Yr.	A. H
Description of the second of t	WEST SERVICE
Million C.	
Million Cubic Fiet	
(a) Base Price (b) T	
tract price:   Indicate   Indicat	01 (2).
of filling cete. Complete to 3 (b) and (c)	:)
5 7 1 9	
iswill iswill take:	
of filling date. Complete to 3 S/MMBTU 5 7 1 8	
al Diaces.)	
responsible for this application:	
Acency Use Com	
Adency Use Only  Harry L. Berger, Jr.  Name/  Dosignated A	
MAR 27984	
and the FEBC	
February 28, 1984	<u></u>
304-342-0121	024

#### U.S. DEPARTMENT OF ENERGY Federal Energy Regulatory Commission Washington, D.C. 20426

Form Approved ... OMB No. 1902-0038 (Expires 12/31/84)

# APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA) (Sections 102, 103, 107 and 108)

#### GENERAL INSTRUCTIONS

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA.

Complete each appropriate item on the reverse side of this page. The code numbers used in items 4 and 6 can be obtained from the Buver/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Also enter any additional remarks in the space below. The data reported on this form are not considered to be confidential and will not be treated as such.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 357-8585.

SPECIFIC INSTRUCTIONS

NGPA	Category Come (b)	Description (el
102	1	New OCS lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1000 feet deeper test)
102	4	ilew onshore reservoir
102	5	New reservoir on old OCS lease
103	The same of the same of	New onshore production well
107	0	Deep (more than 15.000.fest) high-cost cas
107	1	Gas produced from geocressured brine
107	2	Gas produced from coal seams
107	3	Gas produced from Devonian shale
107		Production ennancement gas
107	5	New tight formation cas
107	7	Recompletion tight formation cas
1 80	0 1	Stripper well
C8	A CONTRACTOR DESCRIPTION	Stripper well — sessonally affected
1 80	2	Stripper wetl - ennanced recovery

Stripper well - temporary pressure buildup

Stripper weil - protest procedure

3

4

appropriate inform	mation regarding other Purchasers/Contracts.	and the second s
Contract Date (Mo. Da. Yr)	Purchaser (b)	Buyer Code
7.1		and the second s
Section of the sectio		- Comment
and the second second		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

	ADD 0 4 1004	
PARTICIPA	ANTS: DATE: APR 24 1994	BUYER-SELLER CODE
WEI.L OP	PERATOR: Sterling Drilling a frod. Co., Inc	018084 -
FJRST P	PURCHASER:	
OTHER:		
W V- 1	Department of Mines, Oil & Gas Division	
	LL DETERMINATION FILE NUMBER	
840	302-107°013-3657	<b>ID</b>
	bove File Number on all Communications aring to Determination of this Well	34.
	CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING	
ITEM NO.	FERC -121 Items not completed - Line No.	
	IV-1 Agent	
	IV-2 Well Permit	
	IV-6 Well Plat	
	IV-35 Well RecordDrilling Deep	
	IV-36 Gas-Oil Test: Gas Only Was Oil Produced?	Ratio
	IV-39 Annual Productionyears	
	IV-40 90 day Production Days off line:	
	IV-48 Application for certification. Complete?	
	IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete?	
18-28.	Other: Survey Logs Geological Charts	
	Structure Map 1: 4000 Map Well	I labulations
(5)	Date commenced: Date completed	eepened
(5)	Production Depth:	
(5)	Production Formation:	
(5)	Final Open Flow:	
(5)	After Frac. R. P.	- \
(6)	Other Gas Test:	
(7)	Avg. Daily Gas from Annual Production:	
	Avg. Daily Gas from 90-day ending w/1-120 days	
	Line Pressure:	,
(5)	Oil Production: From Completion Report	
	Does lease inventory indicate enhanced recovery being done	
	Is affidavit signed? Notarized?	
	icial well record with the Department confirm the submitted info	
	nal information Does computer program confirm?	
	rmination Objected toBy Whom?	v.

## STATE OF WEST VIRGINIA

Date February 28, 1984

## DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's Well No. 816

API Well No.

47 - 013 - 3657 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 1107.55'
WELL OPERATOR Sterling Drilling and Produc	ction Watershed Mushroom Run of W. Fk. L. Kan. Rive
ADDRESS 710 Virginia St., East	., Inc. Lee CountyCalhoun Quad. 7.5' Arnlds
Charleston, WV 25301	Gas Purchase
.GAS PURCHASER UNDEDICATED	Contract No.
ADDRESS	Meter Chart Code
	Date of Contract
* * *	* * * *
Date surface drilling began: 1/9/84	
Indicate the bottom hole pressure of the	well and explain how this was calculated.
Bottom Hole Pressure. PSIA Pf = Pwe	KLGS
$t = 60 + (0.0075 \times 533/) + 459.67 =$	$\sqrt{60}$ $x = \frac{1}{53.34} \times \frac{560}{60} = .0000335$
Pf = 9.50 x 2.7183 10000335 x 129:	$3 \times .690 \times .690 \times .690 \times .690 \times .690$
17 s W teledition class afficia files	
AF	FIDAVIT
I have calculated the percentage of foota Devonian Shale as indicated by a Gamma Ra described in subparagraph (3)(i) or (3)(i report described in subparagraph (3)(ii)( of potentially disqualifying non-shale fo percent of the gross Devonian age interva	1; and I have no knowledge of any information inconsistent with a conclusion that the well
STATE OF WEST VIRGINIA	
COUNTY OF Kanawha , TO-WIT:	
I, David M. Gillespie , a Notar	y 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 28 acknowledged the same before me, in my co	_day of February, 19_84, has
Given under my hand and official seal thi	s 28 day of February , 19 84 .
My term of office expires on the 10 da	
(NOTARIAL SEAL)	David M. Hilleskie Notary Public

FORM IV-48WC	STATE OF	WEST VIRGINIA	Cate February 28
		S. OIL AND GAS DIVISION	perator's one
			Well No 816
WELL OPERATOR	, Sterling Drilling and Produc	FOR WELL CLASSIFICATION	No 17 - 013 - 3657  State County Permit  Previous File No. (If Applicable)
ADDRESS 710 Cha	Virginia St., East Co.	ADDRESS Sterling	Harry L. Berger, Jr.  Drilling & Production Co., Inc. Charleston, WV. 25301
Gas Purchase (	411	d Date (Month, day and ye	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Name of First			The list of the same
		SALES TO THE OWNER OF THE CANCEL STATES	A MENTAL BURE CHORES OF HIS A HOLE
	TC: En	or P. O. Box) State)	
FERC Seller Co	ode018084	FERC Buyer Code	p Code)
	INATION BEING SOUGHT:		272
recove	al determination (See FERC Form 12 mination that increased production ery technology.	is the result of enhanced	Category Code
(3) Determ	mination of a seasonally affected t	Harry L. Berger,	Jr Agent
	(NECTION DE LA CO	Name (Print) Signature	Serge Title
		Sterling Drilling &	Production Co., Inc.
	ALL ARTHOUGH	Arcade Bldg., Char	(Zip Code)
		(304 342-0121 Area Phone Number	
(Certificate of	Proof of Service to Purchaser)	Code	04,02
			C1/0/184
	UNDEDICATED	Cherat - Ros. C.Tr.   1 Well Permit Applicat	2 to 12 to 1
	wycysc@191.121	Politication to Inc.	
(All of the abov	e to be completed by the Operator/	Applicant)	
(To be completed purchaser, if kn	by Juriedictional	ed copy to be returned to	Operator/Applicant and
well as meeting (NGPA); lor for under Section 100	e Department of Mines has received the requirements of Section or determination that increased pro 8 of (NGPA); or for determination	a request. for certification under the Natura oduction is the result of ion of a seasonally affect	ication of the above described al Gas Policy Act of 1976, enhanced recovery technology
the office of the	terested parties are hereby notified oil and Gas Division in Charlesto ill be a public hearing, if request	ed that on the day of	
Inis Ap	oplication is assigned File No.	Support to the property	
Initial entitled to certi and any additiona as the matter may	l review of information submitted in ification as claimed under the Natu al evidence will be made at the time of be heard.	ndicates the well is. oral Gas Policy Act (NGPA) se appointed for a public	is not  A review of this evidence hearing or as soon thereafter
Unlace	objections are timely filed or a r ill not be held except on ex parte on.	그리고 아내는 아이들은 이번 때문에 가장 아이는 것이 되었다. 그 아이들은 이 사람들이 없는 것이 없다.	
		EST VIRGINIA DEPARTMENT OF	
840	9 100 4	8 14 - 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A DELAZIONA
Date received by	2 1984	Ву_	T772024
Jurisdictional Age	incy	Title	

Checklist of minimum Forms and Information needed to apply for each well classification Each is identified by an "Item No." The "Items" required are listed beneath each well classification.

FOR NEW ONSHORE WELL - Sec. 102 NGPA - More than 2.5 miles from a marker well. Items - 1, 2, 3, 4, 5, 6, 9, 10, 22, 23 - (18 & 19 Qualified)

FOR NEW ONSHORE WELL - Sec. 102 NGPA - More than 1,000 feet deeper than a marker well, Items - 1, 2, 3, 4, 5, 6, 9, 11, 22, 23 - (18 & 19 Qualified)

FOR NEW ONSHORE RESERVOIR WELL - Sec. 102 NGPA

Items - 1, 2, 3, 4, 5, 6, 9, 12, 20, 21, 24 - (18 & 19 Qualified)

FOR NEW ONSHORE PRODUCTION WELL - Sec. 103 NGPA Items - 1, 2, 3, 4, 5, 6, 9, 13

FOR HIGH COST GAS - Sec. 107 NGPA Items - 1, 2, 3, 4, 5, 6, 9, 14, 19 - (18 Qualified)

FOR STRIPPER WELLS - Sec. 108 NGPA Items - 1, 2, 3, 4, 5, 6, 7, 8, 9, 15 (28 if Available)

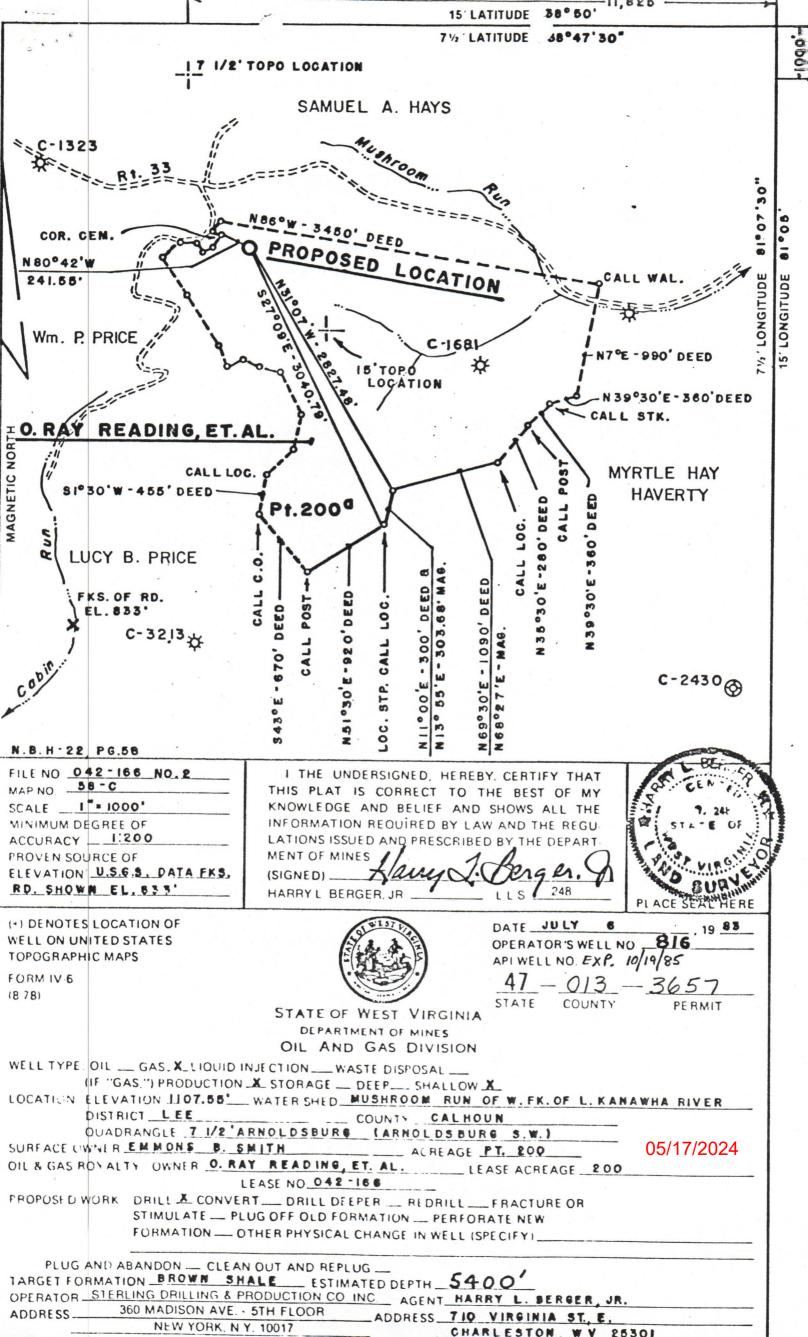
FOR STRIPPER WELLS - Sec. 108 NGPA - Enhanced Recovery Items - 9, 16

FOR STRIPPER WELLS - Sec. 108 NGPA - Seasonally Affected Items - 9, 17, 28

ITEM	FORM	
NOS.	<u>NO.</u>	DESCRIPTION
1.	FERC 121	
2.	IV-1	Operator Agent Certification
3.	IV-2	Well Permit Application
4.	IV-6	Well Plat
5.	IV-35	Well Operator's Drilling Report
6.	IV-36	Gas/Oil Ratio Test Report
· 7.	IV-39	Report of Annual Production
8.	IV-40	Ninety (90) Day Production Report
9.	IV-48WC	State Application for Well Classification
10.	IV-51WC	Wells drilled more than 2.5 miles from a marker well
11.	IV-52WC	Wells drilled more than 1,000 feet deeper than a marker well
12.	IV-53WC	New Onshore Reservoir Well
13.	IV-54WC	New Onshore Production Well
14.	IV-55WC	High Cost Natural Gas Well
15.	IV-56WC	Stripper Well Classification
16.	IV-57WC	Stripper - Increased Production by Enhanced Recovery
17.	IV-58WC	Stripper - Seasonally Affected
18.	N/A	Directional Survey
19.	N/A	Electric Logs
20.	N/A	Subsurface cross-section charts (Geological charts)
21.	N/A	Formation Structure Map
22.	N/A	1:4000 Well Location Map
23.	N/A	Well Tabulation Sheet
24.	N/A	Gas Analysis
25.	N/A	Other
26.	N/A	Notice - Increase of Production
27.	N/A	Lease Inventory 05/17/2024
28.	N/A	Tax records or verified copies of billing statements for appropriate period.

APPLICATION	EOD DEMEDICATION INTO	OG ANALISIS	
THE PROPERTY	FOR DETERMINATION OF	THE MAXIMIM	T ALTETT
PRICE	UNDER THE NATURAL CAS	DOT TOTAL	TWALL
	UNDER THE NATURAL GAS	POLICY ACT	

Operator:	_ Agent;
Type Determination being sought -	107 (Devonian Shale)
API Well No.: 47-013-3657	Well Name: Reading # 8/6
West Virginia Office of Oil and Ga References: SJA File No.	county: Calhoun
Vol Page Line	
Base Line) and that lo	een marked with the (a) Shale Base esenting 0.7 x (Shale Base Line), mma Ray units less than 0.7 x (Shale og is included with this analysis.
II. Gamma Ray elevation indices:	
A. Shale Base Line (A	PI Units)
·	se Line = 175 * API Units
B. Gamma Ray Log Walne	
1 CP V-1	e at 0.7 x Value at Base Line
2. GR value =	* APT Unite
0	.7 (GR Value at Base Line) .7 (*) = API Units
Intervals with GR index less t	han 0.7 x (Value at Base Line):
Interval . Thi	
From**	nterval Feet-of less than*  0.7 (Shale Base Line)  Feet
	815
•	
Total Dovondan	
Total Devonial Interval 28/	5'
Total Less Than 0.7 (Shale Base)	124
% Less Than 0.7 (Shale Base Line) = 0.0	$944 \times 100 = 4.4 \%$
	. 05/17/2024
*Marked on log included with analysis	
**Top of Devonian Section Recorded on it this Column.	First Interval in this Column.



IV-9 (Rev 8-81)



DATE	7-11-83		_
WELL NO.	Reading	# 816	

# State of Mest Mirginia API NO. 47 - 01.3 - 3657 Beparlment of Mines Gil und Gas Bivision

# CONSTRUCTION AND RECLAMATION PLAN

		Co WELL	OPERATOR S	terling Dril	ling & Prod.	
OX:PANY N	ME Sterling Drilling & Frou.	0017 200	WELL OPERATOR Sterling Drilling & Prod Address c/o H.L.Berger - Chars., WV			
		תבו לבטט	enhane (304	) 342-0121		
Telepho	one (212) 949-9100		Telephone (304) 342-0121  SOIL CONS. DISTRICT Little Xanauha SCD			
LANDOWNER	Emmons B. Smith					
	tation to be carried out by Steri					
This	plan has been reviewed by	le Kal	nawhas	CD. All corre	ctions	
and additi	ions become a part of this plan:	7-1	1-83			
			(Date)			
	James de la companya	arrell	Dewlo D Agent)			
	ACCESS ROAD			ATION		
Structure	(A)	Str	ucture Diver	sion Ditch	(1)	
Spacing .	· Ya 3000 20	Mat	erial Eart	hen		
Page Ref.	Manual	Pag	e Ref. Manual	2-10		
	-0-1, 1-10 mm - 1, 1-10 mm		Z.		(2)	
Structure	Drainage Ditches (B)	Str	ucture Ri	p-Rap		
Spacing	Roadside	Mat	erial Ro	ck ·		
Page Ref.	Manual 2.10	Pag	e Ref. Manual	ECEIVE	m.	
Structure	Cross Ditches (C)		ucture 4	SEP 3 0 1983	(3)	
Spacing_	150 spacing for 3-42 grade					
		Pag	e Ref. Manual	L & GAS DIVISION		
COMMEN	structures should be inspected reg cial timber is to be cut and stack d removed from the site before dir	eu una utt	DI MOIL WILL OIL	mecessary. No	De .	
	REVEG	ETATION				
	Treatment Area I		Treatm	ent Area II		
Lime	7. Tons/acre	Lim			Cons/acre	
or corn	rect to pH 6.5		or correct to	-		
Fertilizer	r 600 lbs/acre (10-20-20 or equivalent)	Fer	(10-20-	600 1 -20 or equivale	bs/acre ent)	
Mulch Hay		Mil	th Hay	2 1	ons/acre	
Seed* Ky		Seco	1* Ky-31		bs/acre	
	ine Clause 4 lbs/acre		Onher darass		bs/acre	
	lbs/acre		Ladino Chox	er 4]	bs/acre	
*Inocul Inoculate	late all legumes such as vetch, tr with 3X recommended amount.	efoil and a	clovers with a	the proper back s Well Servi	12024 ices, Inc.	
	PL	AN PREPAREL	BY Richard	N. Campbell		
NOTES:	Please request landowners'		ess Route 1	V		
coope	ration to protect new ing for one growing season.		Duck, W	v 25063		
Attaci	h separate sheets as sary for comments.	PHONE 1	vo. (304) 3			
1						

