



OIL & GAS DIVISION PEPT. OF MINE

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

		ESTIMATED DEPTH OF COME
TO THE DEPARTMENT OF MINES,		MINNEY #248
Charleston, W. Va.	DATE August	
Surface Owner P. Hickey		
Address Arnoldsburg, W.V. 25234		ing Drilling & Production
		rd Ave., Suite 3800 NY.NY
Address Shock, W.V. 26638 Coal Owner Unknown - Unoperated		Cabin Run 974
and the second s	Well No. 248	9.1. 8.1.1
Address	District Lee	
Coal Operator None	Quadrangle_AIII	oldsburg
THIS PERMIT MUST BE POSTED AT THE WELL SITE		
All provisions being in accordance with Chapter 22,		2. 4
of the W Va Code, the location is hereby approve	INSPECTOR	
drilling This permit shall expire it		Richard Morris
operations have not commenced by 12-28-81		TANKE WILLIAM
The state of the s	ADDRESS P.O. Bo	ox 372 Grantsville, W.V.
Deputy Director - Oil & Gas Division	PHONE 354 _ 72	AFRECKELLE ETT NO OBLITA
	1)7 (2.	A STATE OF THE STA
GENTLEMEN:		TO THE PLANT OF THE PARTY OF TH
The undersigned well operator is entitled to drill up	on the above named farm of	or tract of land for oil and gas, having fee
title thereto, (or as the case may be) under grant or l	ease dated August 2	20 19 79 by Rodney C.
Minney made to Sterling Drill	ing & Production	of the 12th day of Sept.
1979 in Calhoun County, Book 07	Page 184	— Lease # 042 - 003
XX NEW WELLDRILL DEEPER	REDRILL _	FRACTURE OR STIMULATE
QIL AND GAS WELL ORIGINALLY DRI	LLED BEFORE JUNE 5,	1969.
The enclosed plat was prepared by a registered engine have been notified as of the above date.	neer or licensed land survey	or and all coal owners and/or operators
The above named coal owners and/or operator are he to make by Section 3 of the Code, must be received by	ereby notified that any obje , or filed with the Departm	ction they wish to make, or are required
Copies of this notice and the enclosed plat were maile		
or coal owners at their above shown respective address	d	before or on the
same day with the mailing or delivery of this copy to the	e Department of Mines at	Charleston, West Virginia.
PLEASE SUBMIT COPIES OF ALL	Very truly yours,	O The second sec
GEOPHYSICAL LOGS DIRECTLY TO:	(Sign Name)	the E Moore
		Well Operator
WEST VIRGINIA GEOLOGICAL AND	Rt. 1	Box 30
P. O. BOX 879	address of	Street
MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331	Operator Duck	City or Town
	W. V. 2	5063
		State
		40/00/0000
*SECTION 3 If no objections are filed or found by notice and plat by the department of mines, to said proposed locathe filing of such plat, that no objections have been made by the conditions are filed or found by notice of the conditions are filed or found by notice or found by the conditions are filed or found by notice or found by notice or found by notice and plat by the conditions are filed or found by notice and plat by the department of mines, to said proposed locations are filed or found by notice and plat by the department of mines, to said proposed locations are filed or found by notice and plat by the department of mines, to said proposed locations are filed or found by notice and plat by the department of mines, to said proposed locations are filed or found by notice and plat by the department of mines, to said proposed locations are filed or found by notice and plat by the conditions are filed or found	tion, the department shall forth	with issue to the well operator a permit reciting
and the well operator authorized to proceed. BLANKET BOND	47	-013-3303

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 1, Section 12-b and will carry out the specified requirements."

CO 61	
FORM IV-2(B)	FILE CO
Reverse	7-013-330
imag	ate County



3) API Well No.

STATE OF WEST VIRGINIA

OFFICE USE ONLY

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

	-	Cabia Run	Watershed:	00.715		V: Elevation:	
The well work	authorized b	y this permit	shall be	performed	between	April 15	mell obj
	710 Virginia	Address		Fifth	iison Ave		Address
Mr. Newlon's	recommendation	ns regarding	the feclam	ation pla	n are to	be incorp	orated.
(See attached	memo.)	Name LEL UN		LITTER	i iti Ori del O	Bed Mace	Name
	(1)	Address				1.1.18	Address
	18.8				. V. N 901		
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5861					RMATION,	CALTARGETEC	GEOLOGIC
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ENINA DE LE						ND TUBING PR	
PACKERS 2	OR SACKS	INTERVALS	FOOTAGE		ECIFICATIONS		
Lights			For deliting	heel well	por ft.	Size Grade	
Kinds Will 15 C	To Surface		1005	У	133#		iductor ib water
207.05							
	1 100 sks	1 2128, BH		SALIX	17502 3	1-0 5-6	
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Perforations:	THE PART OF A PARTY	OFFICE	E USE ONLY		+		270
is part of Form IV-2(b) is to record th	e dates of certain	occurrences an	d any follo	w-up inspec	tions	
AND THE PROPERTY OF THE PARTY OF		FL	Setting and the segretarion	water and the late	up mspec	tions.	
		Date				Date	(s)
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	Tor Coar Company	
	Official Title	

6 FORM IV-2(A) 1) Date: <u>September 26</u> ,19 83 Obverse 2) Operator's [8 - 83]248 - Ren. Well No. 3) API Well No. 47 State County Permit STATE OF WEST VIRGINIA DEPARIMENT OF MINES, OFFICE OF OIL & GAS Formerly 47 - 013 - 3303 NOTICE OF APPLICATION FOR A WELL WORK PERMIT 4) SURFACE OWNER(S) OF RECORD TO BE SERVED UNOPERATED 5(i) COAL OPERATOR (i) Name P. Hickey Address Address Arnoldsburg, W.V. 25234 5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD: (ii) Name Name UNKNOWN Address Address (iii) Name Name Address 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 op-erator 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.

County,

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 OIL & GAS DIVISION Is the right to extract, produce or market the oil or gas based upon a lease or leases or or other contracts providing for flat well royalty or any similar provision.

or other contract or contracts providing for flat well logacy and inherently related for compensation to the owner of the oil or gas in place which is not inherently related 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.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the	
Notice and 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 26 day of September , 198	3
My commission expires May 10 , 198	9
Lavid M. Willeshi	

Notary Public, Kanawha

State of West Virginia

WELL
OPERATOR Sterling Drilling & Prod. Co., Inc
By Ham Derger
Its Designated Agent
Address 710 Virginia St., E.
Charleston, W.V. 25301
Telephone 342 - 0121
the second secon

10/06/2023

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 § 22-4-1b(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 § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

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

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that—

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

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page	
Rodney C. Minney	Sterling Drilling and Production Co., Inc.	1/8	072 - 184	
	rioduction co., inc.	1/0	0/2 - 104	

084 - 49



3)

Date:	November	23	, 19	82

1) 2) Operator's

Well No.	111111111111111111111111111111111111111	11270	IT CAN
API Well No.	47	013	3303-R
	AND THE RESIDENCE OF THE PARTY	Street Land Company	

	State	County	Perm
PI Well No.	47	013	3303-REN
CH 140			The second second second

RILLING CONTRACTOR:	The same of the sa
THE PART OF THE	STATE OF WEST VIRGIN

UNKNOWN	MICTOR:		DE	PART		ATE OF WEST VI	RGINIA AND GAS DIVISIO	Formerly 4	7 - 013 - 3303
AT THIS	TIME						T APPLICATION	PLAT REV	ISION ONLY
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4) WELL TYPE								abalag trobna sa a	
	B (If "C	Gas", Pro	duction _	X		_/ Underground s	torage	/ Deep	/ ShallowX/)
5) LOCATION	: Elevati	on: <u>97</u>	4.68'		Charles 1	Watershed:	Cabin Run		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
									5' Arnoldsburg
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Address								A STATE OF THE PARTY AND THE PARTY STATE OF THE PARTY OF	inia St., E.
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Acreage		51.5					Name		
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5) PROPOSED	WORK:	Drill X	/ I	Orill o	leeper_	/ Redril	l/ Frac	ture or stimulate	V. J. P. C.
		Plug off	old forma	tion_	h .	/ Perforate	new formation	Land hi	usqurusk. (8)
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							salt,		TOTAL POLY
19) Approxi	mate coal sea	m depths:			U	Is coa	ll being mined in the	area? Yes	/ NoX
20) CASING AN	ID TUBING	PROGRA	AM		3.14			in one" often an ana	Promound
CASING OR	1 ,	SPE	CIFICATION	IS		FOOTAG	E INTERVALS	CEMENT FILL-UP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	10 10 10
Conductor									Kinds
Fresh water	9 5/8	LS	33#	X	1	300'	300'	To Surface	LANCE CONTRACTOR
Coal		2000			William .	Company of the Company	Alle To Street		Sizes
Intermediate	7'1	J-55	TO THE OWNER WHEN THE PARTY OF	X	1	21251	2125'	100 sks	
Production	4 1/2	ERW	10.5#	X			52001	250 sks	Depths set
Tubing								<u> </u>	Perforations:
Ellicis			HEET OF TO		A CANADA CO	Hope in course	2 1325-127		Top Bottom
-							(0)	H-SE GO BEEN	SEE SHOOL SEE
Charles Same	Franka a	. Stanton	Const Foots	i.n					Similargest VSC
21) EXTRACTION	N RIGHTS			35100	A fee fee	G. Ministrices	Claric Palitics (1986)	double on the course	Ri driv bo
Check and pr			CARLES OF SALES					dailed falls with	almer en
A COLOR DE LA COLO					CONTRACTOR STATE			e right to extract oil or	gas.
22) ROYALTY F	STATE CASE WAS A STATE OF		-4-1-(c) (1)	throu	ign (4).	(See reverse side f	or specifics.)	alt to late Value in	
			arket the o	il or g	as based	upon a lease or oth	er continuing contra	act or contracts providir	ng for flat well royalty or an
similar provis	sion for com	pensation	to the ow						e of oil or gas so extracted
produced or					TC (1)		A 66' 4 - 4 T	IV 60	
23) Required Cop			tional is no	eeaea.	II the a	answer is res, you	may use Affidavit I	orm iv-oo.	
24) Copies of thi	is Permit Ap	plication	and the en	closed	plat an	d reclamation plan	have been mailed b	y registered mail or de	livered by hand to the abo
named coal	operator, coa	l owner(s), and coal	lesse	e on or	before the day of t	he mailing or delive	ry of this Permit Appl	ication to the Department
Mines at Cha	arleston, Wes	or Cal	1.10				4	trund to	Ino. (k
Notary:		, sull	espe		TOTAL Y	<u> </u>	Signed:	my c. 1	riger, J
My Commission	on Expires_	lay 10	, 1989	4.7.7.	7,5719	2 (1) H 1 (1) H 1 (1)	Its: Dési	gnated Agent	AND AND SHARE
	100			2 (2)		OFFICE USE	ONLY	A STATE OF THE STA	ALL THE CERM
					and the later of t	DRILLING PE	The second secon		

47-013-3303-REN Permit number

Date

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. (F

Refer to No. 10) Prio oper district oil and	7////				
ermit expires	August	28, 1983		unless dr	illing is commenced prior to that date and prosecuted with due diligence.
Bond:	Agent: 6K	Plat:	Casing	Fee	fred & wolle
Blanket	10	6.11	MIZ.	3755	Administrator, Office of Oil and Gas

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).
 - 23) 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.

The WAIVER 1340

The undersigned coal operator _____/ owner ____/ lessee ____/of the coal under this well location has ex-

dded to the mine map. The undersigned has no object	ts which covers the	area of the	ne well locati be done at th	on, the well	location has been
amined this proposed well location. If a mine map exists which covers the area of the well location, the well location added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, operator has complied with all applicable requirements of the West Virginia Code and the governing regulations. Date:, 19	lations.				
The season of the	991	Print Toy	7 7019	[Vacue]	Ronds
rate: 110 has 110 ha salito a 10 has and A	Du	~44/	6 111 L	6. 1	And with

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

1) Date: <u>September 26</u> ,19<u>83</u>

2) Operator's

248 - Ren Well No.

3) API Well No. 47-013-3303-Ren. State County Permit

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

Name	TER(S) OF RECORD TO BE SERVED Phil Hickey	5(i)	COAL OPERAT	ORUNOPERATED
Address				
racticss_	Arnoldsburg, W.V. 25234	5(ii)	COAL OWNER (S) WITH DECLARATION ON RECO
Name			Name	UNKNOWN
Address			Address_	· · · · · · · · · · · · · · · · · · ·
Name -			Name	
Address			Address	
_		5(iii)	COAL LESSEE	WITH DECLARATION ON RECORD
			Name	DESCRIPTION ON RECORD
	•		Address	
	i <u>kantaning</u> i akin dijake			
	TO THE PERSON(S) NAMED ABOVE: You should I	have received th	is Form and the fol	lowing documents:
	 The Application for a Well Work Peto be plugged, which sets out the and describes the well and its locementing program; The plat (surveyor's map) showing The Construction and Reclamation I plug a well), which sets out the preclamation for the site and access 	the well location and the well location and the self location and the self location are rosion as road.	on in the drilling opplicable, the propon on Form IV-6; and by Junless the well and sediment contri	or other work, cosed casing and d work is only to ol and for
	THE REASON YOU RECEIVED THESE DOCUMENT WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU ACTION AT ALL.	J. HOWEVER, YOU	SIDE OF THE COPY OF ARE NOT REQUIRED T	THE APPLICATION O TAKE ANY
	Take notice that under Chapter 22 of terator proposes to file or has filed this N for a Well Work Permit with the Administrat Department of Mines, with respect to a well and depicted on attached Form IV-6. Copies Construction and Reclamation Plan have been by hand to the person(s) named above (or by before the day of mailing or delivery to the	or of the Office at the location of this Notice, mailed by regis	e of Oil and Gas, We described on attached the Application, tered or certified	ying documents est Virginia ched Application the plat, and the
	6) EXTRACTION RIGHTS			
	Check and provide one of the following:			
	Included is the lease or leases or other I hold the right to extract oil or The requirement of Code 22-4-1-(c)(1)	gas. through (4) (s.	ontract or contract	s by which
	7) ROYALTY PROVISIONS		se reverse side for	specifics.)
	Is the right to extract, produce or marke or other contract or contracts providing for compensation to the owner of the oil of to the volume of oil or gas so extracted,	TOT ITAL WELL IN	byalty or any simil	
	If the answer above is No, nothing you may use Affidavit Form IV-60.	ng additional is	needed. If the ans	wer is Yes,
	See the reverse side for line item it the required copies of the Notice an Reclamation Plan.	nstructions, and d Application, p	for instructions clat, and Constructi	concerning
truth of	Reclamation Plan. the information on the	nstructions, and Application, p	for instructions clat, and Constructi	concerning on and
ce and Ap	Reclamation Plan.	WELL	lat, and Construct:	Drilling & Prod. Co., Inc.

signed on behalf of the Well Operator in my County and State by Harry L. Berger, Jr. this 26 day of September , 19 83. My commission expires, May 10, 19 89. Notary Public, Kanawha

State of West Virginia

Its Designated Agent Address 710 Virginia St., E. Charleston, W.V. 25301 Telephone 342 - 0121

10/06/2023

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-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 § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

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

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that—

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

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
Rodney C. Minney	Sterling Drilling and		
	Production Co., Inc.	1/8	074 - 290

IV-35 (Rev 8-81)





OIL & GAS DIVISION

DEPT. of MIN State of West Hirginia

Bepartment of Mines Gil und Cas Bivision

Date De	ecember 6,	1984
Operator	's	
Well No.	248	
Farm	Minney	
API No.	47 - 013	- 3303-RE

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 974.68' Watershed Ca	bin Run			
District: Lee County Calh	oun	Quadrangle	7 Amole	dsburg
· Prince and the second of the second of				
COMPANY Starling Prilling & Production Co. Inc.				
ADDRESS 710 Virginia St., E. Chas. WV 25301	- i		T - £1-	Cement
DESIGNATED AGENT Harry L. Berger, Jr.	Casing	Used in	Left	fill up
ADDRESS Same	Tubing	Drilling	in Meli	Cu. ft.
SURFACE OWNER P. Hickey	Size 20-16			
ADDRESS Arnoldsburg, W 25234	Cond.			
MINERAL RIGHTS OWNER Rodney C. Minney	13-10"			341 12 11 11
ADDRESS Shock, W 26638	9 5/8	317'	317'	130 sks
OIL AND GAS INSPECTOR FOR THIS WORK Deo Mace	8 5/8			
ADDRESS Rt. 1, Bx 5, Sandridge, W	7	2151'	2151'	175 sks
PERMIT ISSUED December 6, 1983	5 1/2			
DRILLING COMMENCED October 12, 1984	4 1/2	-	4884.7'	250 sks
	3			
DRILLING COMPLETED October 20, 1984 IF APPLICABLE: PLUGGING OF DRY HOLE ON	2			
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Devonian Shale		Den	t h 5200	feet
Depth of completed well 4923'KB feet B	Rotary			
Water strata depth: Fresh 67' feet;				,
Coal seam depths: None		being min		area? No
	15 3341	202.5		
OPEN FLOW DATA		_		
Producing formation <u>Devonian Shale</u>			•	
Gas: Initial open flow show Mcf/d				
Final open flow 372 Mcf/d				
Time of open flow between init.				
Static rock pressure 1050 psig(surface		ment) afte	r 1707 U1964	est shut in
(If applicable due to multiple completion				
Second producing formation		y zone dep		feet
Gas: Initial open flow Mcf/d				Bb1/c
Final open flow Mcf/d	Oil: Fi	nal open f	low	Bbl/d

Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

MPANY			ADDRESS			
RM	4	DISTRICT.	C	001111		
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ing material Oscu						
ner Loca	ation	Amount	Packer	Location		
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	ND DEPTH PLACED	elica and property and		+	SIZE	LOS
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOS
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14.						
marks:	Ballifier Bione Countries management of the special contribution with an article and security		considerante en centra de la colonida considerada de describera de considera de considerado en considerada considerada de cons			
				-		
DATE	I hereby certify I	visited the abo	ove well on this date.			
DAYE	I hereby certify I	visited the abo	ove well on this date.			
DATE	I hereby certify I	visited the abo	ove well on this date.	DI	STRICT WELL	INSPECT
DAYE	I hereby certify I	visited the abo	ove well on this date.	DI	STRICT WELL	. INSPECT
DATE	I hereby certify I	visited the abo	ove well on this date.	Dit	ETRICT WELL	Nepecy
DAVE	I hereby certify I					. INSPECT
DATE	I hereby certify I	Sterling	Drilling and Production	on Co Inc		
DAYE	I hereby certify I	Sterling		on Co Inc		

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



DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION

OIL & GAS DIVISION DEPT: OF MINES

INSPECTOR'S WELL REPORT

Permit No. <u>/3-3303</u>		\$150 ×	- 1 m - 1 m	Oil o	Gas Well	(** - ₁ to 1
Company Sterling		CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS	
Address		Size		800.00		
arm Minney		16			Kind of Packer_	25.50-0
ell No. 248		13		1. 1. 2. 4.		
strict Lee	_County_Cal.	81/4			Size of	
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STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No	No.			W	HI No	
COMPANY			ADDRESS		. was a second	
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Filling Material Used						
Liner Lo	peation	Amount	Packer	Location		
PLUGS USED	AND DEPTH PLACED		BRIDGES	CASIN	G AND T	UBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
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and the same of th			Autorities and the second section of the second		-3 OF 51	
					STORY BY THE B	a
I	hereby certify I vi	sited the above	well on this data			
DATE		THE WOOTE	on this gate.			

DISTRICTO DO 2023

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



DISTRICT WELL INSPECTOR

INSPECTOR'S WELL REPORT OIL & GAS DIVISION

mit No. 13.3363		100 mm	Oil o	Gas Well
mpany Sterling Orillen	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
dress	Size			
m minney	16		31. 17. 2. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18	Kind of Packer
No. 248	13			
See County Cal				Size of
nenced 10-13-84	65%			Development
A CONTRACTOR OF THE CONTRACTOR	5 3/16	one may are president and the		Depth set
tedTotal depth	3			Perf. top
Depth of shot	2		con in a month in the	Perf. bottom
/10ths Water inInch	Liners Used		27, 60	Perf. top
bing/10ths Merc. inInch				Perf. bottom
Cu. Ft.	CASING CEMEN	TED	_SIZE	No. FTDate
relbshrs.	NAME OF SERV	VICE COMPAN	ΙΥ	
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feetfeet				FEETINCHES
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17' of 9 %" casing)	130 SK	5 comut	, Don	well 10.14.8%
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	works.			A CONTRACTOR OF THE PROPERTY O

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No		felia in	No. 1 to the contract of the c	W	ell No.	
COMPANY			ADDRESS	a ville		
FARM	an order grant and a second se	DISTRICT		COUNTY		
Filling Material Used	11 TWO 2 - 9					200 A 100 A
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marks:	**************************************	ger in a state of the silver				
						+
DATE	hereby certify I v	isited the above	e well on this date.			

DISTRICT MOG/2023.

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

RECEIVED OCT 3 0 1984

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 13-3303 R.			Oil or	Gas Well	
Company Sterling	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS	
Address	Size				
Farm Minnes	16			Kind of Packer_	Angelow Angelow
Vell No. 248	13				
	10	A. A		Size of	
histrict Tee County Ceel	81/4				
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rilling completedTotal depth	5 3/16		p Parawatana a Si	AWAY TO MAKE COMM	
ate shot Depth of shot	2	and the second second second	Q. 1 (a) ANN - MARIN 8 - 1	Perf. top	region .
itial open flow/10ths Water in Inch	Liners Used			Peri. top	
				Perf. bottom	
oen flow after tubing /10ths Merc. in Inch					
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Mike Mills of Color Resource marks: Well was completed gesterday	hecause of	Lucut,	1 in 10	main as I	lovens
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DATE DATE	nghe she	pe uco	reafore	10/06/2023	Mace
10-23.84				DISTRICT WELL INSPE	CTOR

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANY	the State of			***	HI No	
COMPANY			ADDRESS		-	
FARM		DISTRICT	Service of the servic	COUNTY	and the second	· Control of the cont
Filling Material Used						
Liner	Location	Amount	Packer	Location	1	
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CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOST
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DISTRICT 0/06/2023

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



	OMP	an	u:	ST	FRL	TNG	DRIL	LING
,	Per 155 1	W 1 1 1	est T	Sec 4	Sans I b Sees	and it is been	de t g um den	has all f b bee

Farm: P. HICKEY

248-REV Well:

Permit No. 47- 13-3303-REN (12-16-83)

Counts: CALHOUN

In Compliance

JAN 1 4 1986

Rule	Description	Yes	No
23.06	Notification prior to starting work		and close and cold legs page page and cold legs and and and and legs legs and had been and and
25.04	Prepred before drilling to prevent waste	MAN THE STATE STATE STATE STATE STATE STATE	400 MM 500 MM MM MM 100 MM 100 MM
25.03	High pressure drilling		400 con stor 400 cms ccg 400 cds cos
16.01	Required permits at wellsite		
15.03	Adequate Fresh Water Casins		AND CORP UNION CORP CORP CORP CORP.
15.02	Adequate Coal Casins	Note type cont area case ofte total code men.	
15.01	Adequate Production Casins	From 1000 0000 0100 1000 1000 1000 0000 00	AND COST COST AND THE COST COST AND
15.04	Adequate Cement Strensth	table place about about paint under cuitor beaut claps	AND THE CASE AND RESPONDE THE CASE OF
15.05	Cement Type		cree date; date; clear cree side sed; cree cree
23.02	Maintained Access Roads		able fore one view over out out and the
25.01	Necessary Equipment to Prevent Waste		ann ann san san cun san san san san san san
23.04	Reclaimed Drillins Pits		May 100 000 100 100 000 000 000 000
23.05	No Surface or Underground Pollution		
23.07	Requirements for Production & Gatherins Pipelines		
16.01	Well Records on Site	2004 2000 0100 0101 0104 2006 2000 0100 0100	EATO COME ALON ALON AND MADE SALE SALE SALE
1 72	Well Records Filed		white place done yeth code code moto code total
05	Identification Markinss		area and and after time upon many good later
I HAVE	INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND	THAT IT BE	RELEASED:

SIGNED Dee Maso

DATE 1-10.86

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

Administrator

January 27, 1986

Date

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

1.0 API well number:	1				
(If not assigned, leave blank, 14 digits,	47 - 013 - 3303 Ren				
20 Type of cetermination being sought:					
(Use the codes found on the from	107	Categon			
of this form.)	Section of NGPA				
3.0 Depth of the deepest completion location: (Only needed if sections 103	4923	Ma.			
or 107 in 2.0 above.)		feet	DEC 1 1 1984		
4.0 Name, address and coos number of		C- 10	11 -		
applicant: (35 letters per line	Sterling Drilling and Producti	on co. Ind	L & GAS DID18084		
mezimum, If cods number not	Name A	UE Ouilding	PT. OF MINES		
evoilable, leave blank.)	710 Virginia St. East, Arcade B	ulluling			
	Street				
	Charleston,, WV 25301		Zip Coce		
Complete (a)	Gry	State	20 000		
5.0 Location of this well: [Complete (a) or (b).]	Lee District				
(a) For onshore wells	Field Name				
(35 letters maximum for field	Calhoun ·		ı		
name.)		State V!V	-		
(b) For OCS wells:					
			Block Number		
	Area Name		SIOCX INUMBER		
	Dete of Lices:				
	Deter of Cacae.				
	Mo. Osy Yr.	OCS Less N			
Ici Name and identification number					
of this well: (35 letters and digits	Minney #248				
Lmumixam					
(a) If cook 4 or 5 in 2.0 above, name					
of the reservoir: (35 letters					
6.0 (a) Name and coos number of the					
purchaser. (35 letters and digits	Je 22				
meximum. If code number not	UNDEDICATED				
available, leave blank.)	Name		Suver Co		
(b) Care of the contract:					
	į <u> </u>	للل			
	Mo. Cav	Yr.			
(c) Estimated total annual production from the well:	j	M	illion Cubic Feet		
		(c) A) (ther (d) Total of		
	(a) Base Price (b) Tax	Prices (1	ndicate (b) and (c)		
		(+) or (-	1.1		
7.0 Contract price:	I STANSTON S O O O				
(As of filling cere. Complete to 3	S/MMBTU 5 9 0 2	-			
8.0 Maximum lawrul rate:					
(As of filing care. Complete to 3	S/MMBTU 5 9 0 2	i			
cecimal places.		-			
9.0 Person responsible for this application:	1				
	Harry L. Berger, Jr		esignated Agent		
Agency Use Only	Name of Desce	Ti	t1 0		
211 7 TF 121 11 1984	Signature X. Finger JY				
CATE RECEIVED BY FERC	Dec. 6, 1984	304	-342-0121		
Jane House of Faire	200. 0, 2707				

STATE OF WEST VIRGINIA

DEC.28 1984

47-013-3303-R

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: Dec. 6 ,19 84	AGENCY USE ONLY
Applicant's Name: Sterling Drilling & Production C	o., Inc. WELL DETERMINATION FILE NUMBER
Address: 710 Virginia Street, E. Arcade Bldg	841211 -107 -117 -117
Charleston, WV 25301	841211 -107-013- 3303
Gas Purchaser Contract No.	Use Above File Number on all Communications Relating to This Wel
Date of Contract (Month, day and year)	SDP#248 ·
First Purchaser:UNDEDICATED	Designated Agent: Harry L. Berger, Jr.
	Address: Sterling Drilling & Prod. Co.,
Address: (Street or P.O. Box)	710 Virginia St., E. Arcade Bl Charleston, WV 25301
(City) (State) (Zip Code) FERC Seller Code018084	FERC Buyer Code
NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCER BE ADDRESSED:	RNING THIS APPLICATION SHALL
Name: Harry L. Berger, Jr.	Agent
Signature: Haugh Drilling Storling Drilling Span	(Title)
Address: Sterling Drilling & Prod 710 Virginia St., E., Arc	cade Bldg.
(Street or P.O. Box) Charleston, WV	25301
Telephone: (City) (State) (Area Code) (Phone	
(Certificate of Proof of Service to Puro	*
NGPA Catagory A	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
103 New Onshore Production Well 103 New Onshore Production Well	108-3 Temporary Pressure Buil
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	-IED
107-7 Recompletion Tight Formation	QUALIFIED
PECELYEN	
	10/06/2023
DEC 1 1 1984	
OIL & GAS DIV. DEPT. OF MINES	
Date Received	D.A.
***Lesser of TD or Bottom of Devonian Se in this Column.	rirst Interval in this Column.
in this Column.	p.m.6.

DECENVED OUT-3 1983

At 2 Box 98 Minnors, WV 25203

Phone 655-8901

OIL & GAS DIVISION
DEPT, DF MINES

September 30 1983

Office of Oil and Gas Lept of Mines 1613 washington St East Unarleaton, */ 25311

De Sir

API NO. 47-015-3303 EDG 47-013-3550

On September 5th I wrote a lorgel complaint to the mittle Kanawha Soil Conservation District with a copy to your office discribing Soil Conservation Wirk that obtains Oil and Gas bevelopment Co. had done on our farm in June of this year. (Specifically: the access rocal were too steep, no temporary vegetative cover had been applied, and no sectment barriers constructed.) At have inspected the sites and served violation notices on the Company. He required them to start reclamation by acptember which has started.

I would like to make another formal complaint on these matters and I would be grateful if you would accept this letter as such.

In 27th september we received a copy of Sterling's permit renewal applications. We most certainly will have comments to make in respect of these application, but first I would like to point out that, we did not receive all the accuments that the law requires that, we did not receive all the accuments that the law requires deviling to send us. Specifically, we received no "statement of the methods and time italts for illing comments, who may lite," etc. (22-4-1m c). This was missing from pour applications. An etc. (22-4-1m c). This was missing from agent of accuments?

Pille Hickey

order for the problem will be a superior of the problem of the pro

Administrator of the Office of Oil and Gas West Virginia Department of Mines 1615 Washington Street East Charleston WV 25311 As Discussed give the Inouth to drill

Rt 2 Box 98 reclaim to fallow 25263 within to find the party.

Phone 655-8901 efter continued to find the factor of t

October 7 1983

RECEIVED

OCT 1 1 1983

OIL & GAS DIVISION
DEPT. OF MINES

Dear Sir

We enclose our comments on the applications by Sterling Drilling and Production Co Inc to drill two gas wells on our farm.

Philip and Nancy Hickey

certified mail. These documents relate to Sterling's application for a new permit to drill. However, the documents did not include the Surface Owner's Copy of Form IV-2(B). In its stead we received a photocopy of the File Copy of Form IV-2(B) and a photocopy of Form IV-2 (the old form). This substitution may have been accidental. We phoned Sterling on September 29 and the missing form arrived here by certified mail on September 30.

On Form IV-2(B) Sterling states that the drilling contractor is "Unknown at this time". This would seem to indicate that Sterling do not intend to drill this well in the near future. Otherwise one would think that they would have the driller lined up.

Sctober / 1983

To sellio ed to reterratainimpa

DECEUVE

SURFACE OWNERS' COMMENTS

railic Hickey

OIL & GAS DIVISION DEPT. OF MINEL

Surface owners' sooress: Ht 2 Box 30 Minnors WV 23605

Surface owners' phone no: (304) 655 8901

onl of neitembert one gailling garrests :reserge flew

Well number: 248 (formerly 47-015-3303)

ocation of well: County - Calnoun

District - Lee

Auh aldau - Denameda

site properation were started on Jane 10 and completed on June 22 1953. However, the drilling was rever done, and the permit expired an angust 25. At that time we did not know that the permit and expired and on August 30 we wrote to Mr J Divis of Sterling Bashib, inter alia, that temporary vegetation be applied to all disturbed and that the grade on the access road percued to 20%. (In one and that the grade on the access road percued to 20%. (In one place we had measured a grade of 30%.) We received no acknowledge to this letter, so on September 6 we lodged a trual complaint with the alter kanawha Soil Conservation District and the Office of Cit and Gas. On September 5 we lodged a trual complaint of Cit and Gas. On September 15 Mr Handall Jones, the boil Jonestvation Officer, visited the site and agreed that temporary vegetation of the court nevelocen applied. He also confirmed our grade testion recomment of 35%. On September 11 Mr D Mace, Git and Gas.

Inspector, visited and posted a violation notice ontine aite. The notice required Sterling to begin reclamation work within one week.

Of depleter at we received and to be defining's at firstion certified mark. These documents relate to Sterling's at firstion for a law year in the documents due not include to surface Owner's Copy of Form IV-2(B). In its sign we received a pactocopy of the file Copy of Form IV-2(b) and a photocopy of the oration). This substitution may have defined.

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On Form IV-2(i) Stering at the origing contractor is ""Unknown at this time". This would seek to andicate that Stering do not intend to arial this would not in the near future. Otherwise one would think that they would have the driller lined up.

On Form IV-2(A) Sterling mentions a lease between themselves and Rodney C Minney (the deceased mineral owner). The lease is recorded in Grantsville in Book 072, page 184. We inspected this lease and noticed that it expired on August 19 1980. This does not directly concern us as we have no interest in the minerals, but it seems worthy of note.

With regard to Form IV-9 (Construction and Reclamation Plan), we are in the somewhat unusual position of commenting on work that has already been done. There are two discrepancies between the plan and reality.

- 1. The plan shows grades of 15% on the lower section of the access road and 10% on the upper section. In fact the grade on the lower section is 33%. Parts of the upper section are more or less flat, but Mr Randall Jones, the Soil Conservation Officer, measured a grade of 20% on the upper section of the road on September 15.
- 2. The plan calls for rock rip-rap structure under the culvert. This structure is not in place.

In light of all these matters we respectfully ask that when you issue the permit you impose the following conditions:

- 1. the grade on the access road be reduced to 15-10% as specified in the Construction and Reclamation Plan.
- 2. drilling be carried out immediately and reclamation be carried out as soon as drilling is completed. (The site and access road have been exposed for $3\frac{1}{2}$ months and considerable erosion has already taken place.)

We would be grateful if you would send us a copy of the permit as issued.

Philip and Nancy Hickey

October 6 1983

Phie's Hickey

on Form IV-2(A) sterting mentions a lease between themselves and hodney C mirney (the deceased mineral owner). The lease is recorded in Grantsville in Dook O/z, page let. We inspected this let e and noticed that it expired on August 19 1900. This does not airectly concern as as we have no interest in the mileratu, out it hoems worthy of noto.

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 measured a grade of 20% on the apper section of the road on
 Se beater 15.
 - 2. The pist calls for rock ri -rep structure ander the culvert. This structure is not in place.

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- 1. the grade of the access road of recused to 15-10% at specified in the Constitution and hechaevious rich.
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Same in The

Philip and saley Hokey



State of West Virginia

Department of Mines Gil and Gas Division

WALTER N. MILLER DIRECTOR

Charleston 25305

THEODORE M. STREIT **ADMINISTRATOR**

MEMORANDUM JARRETT NAMESON, LITTLE KANAWHA S.C.D.

The fore M. Streit, Administrator

SUBJECT: Field review of well site plan

DATE: October 27, 1983

The office has received a comment that the enclosed plan is not adequate or effective. Please make a field review of the site and send your comment in on the enclosed plan below within fifteen (15) days.

Thank you.

Sterling Drilling & Production made road & location under arades are in excess of those

(Well Operator) ckey(Surface Owner)

Sterling 248 R

OHIE

TO: Theodore M. Streit, Administrator FROM: Jarrett Newlon, Plan Reviewer - LKSCD SUBJECT: Field review of well site plan #47-013-3303 DATE: November 2, 1983

I have this day, per your request, made a field review of the enclosed plan. With me on the site were Richard Campbell and Nancy Hickey.

I found the access road, structures and site to be as shown on the topo map and sketch. No well has been drilled and a dozer was being used to dress the site for seeding and mulching.

Most of the access read was 15% slope or less. However, one 80' section of the road had a slope of 28% to 30%. This short section of the road is rather rocky but could possibly be brought to a 20% to 25% grade.

It is my conclusion that this plan gives the only feasible access to the location and with proper structures and maintenance, erosion and sediment can be controlled.

RECEIVED

OIL & GAS DIVISION DEPT. OF MINES 10: Theodore L. Streit, Administrator 201: Jarrett Newlon, Flan Seviever - 18572 SUBJECT: itld review of well site plan 47-013-3303

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WAVESTONE SECTION OF THE SECTION OF

OIL & GAS DIVISION DEPT, OF MINES





State of West Virginia Department of Mines Gil and Gas Division Charleston 25305

WALTER N. MILLER DIRECTOR

THEODORE M. STREIT ADMINISTRATOR

December 8, 1983

Philip and Nancy Hickey Arnoldsburg, W.V. 25234

Re: Well Work Permits 47-013-3303 Ren 47-013-3536 Ren

Dear Philip and Nancy Hickey

I am enclosing for your information copies of subject permits issued December 6, 1983, to Sterling Drilling and Production Company. We hope that our conditioning of these two permits meets with your approval.

If we may be of further assistance in the future please feel free to call upon us.

Sincerely

Margaret T./ Hasse

Petroleum Engineering Specialist

enc.

SURFACE OWNERS' COMMENTS

Surface owners: Philip Hickey

Nancy Hickey

Surface owners' address: Rt 2 Box 98 Minnora WV 25263
OIL & GAS DIVISION

Surface owners' phone no: (304) 655 8901

DEPT. OF MINES

DEC 1 - 1983

Well operator: Sterling Drilling and Production co Inc

Well number: 248 (formerly 47-013-3303)

Location of well: County - Calhoun

District - Lee

Watershed - Cabin Run

In our original comments (dated October 6 1983) on this Construction and Reclamation Plan we pointed out two discrepancies between the plan and the reality. These were:

1. The access road is steeper than shown.

2. There is no rip-rap structure under the culvert.

With regard to the access road we believe that Mr Newlon's description is somewhat misleading. He says that an 80 foot section of the road is 28%-30% and that the rest of the road is 15% or less. Mr Randall Jones, the Soil Conservation Officer (phone no. 354-7913) measured the lower section at 33% on September 15. He also measured a section further up the road at 20%.

Today we took measurements of the entire road. Our measurements of slope are approximate. (We do not have a theodolite.) Here are the results:

80	feet	33%		
100	tt .	20%		
230	11	15%		
60	11	20%		
330	n	10%	or	less

In their Construction and Reclamation Plan, Sterling stated that the upper section of the road was 10% and the lower section 15%. As you can see from our measurements 30% of the road exceeds the specified slope.

However, Mr Newlon mentions the possibility of bringing the lower 80 foot section down to 20%. If this were done then the road would meet the minimum legal requirement and we would be satisfied. In fact, even if the final product were as steep as 25%, we would

STREET OF STREET

Carlece ommene: Surfreb Hickel

Wandy nickey

180

Suriac o tera' attress: At 2 dox 36 filipora V 2265

OR & GAS DIVISION
SE (304) 655 8901 DEPT. DE MINES

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Mell number: 240 (formerly 4/-013-5303)

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80 feet 550 100 " 200 250 " 156 350 " 200 350 " 100 ur les:

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However, at Newlon mentions the possibility of bringing the lose 80 root section down to 20%: If this sere cone then the root would meet the minimum less; requirement and we would be satisfied. In that, ever if the linal product were as stesp as 25%, we would

be satisfied, if this were the best that could reasonably be achieved. We would be grateful if this could be included in the Construction and Reclamation Plan.

With regard to the rip-rap: Mr Newlon, when he visited here on November 2 confirmed that the rip-rap was absent. He did not mention this in his memo to Mr Streit. He also instructed Mr Campbell (of Sterling) to build additional drains, which Sterling have in fact now done.

Phiers Hickey

Pancy Hickey
Nancy Hickey





State of West Virginia

JOHN D. ROCKEFELLER, IV.
Governor

Department of Mines Charleston 25305

WALTER N. MILLER
Director

December 8, 1983

Harry L. Berger, Designated Agent Sterling Drilling and Production Company 710 Virginia Street, East Charleston, WV 25301

Re : Condition of Well Work Permits #47-013-3303Ren--your #248 and #47-013-3536Ren--your #731

Dear Mr. Berger

As you are aware, Mr. and Mrs. Hickey submitted comments to our office on the subject Well Work Permit Applications. In response to these comments, we arranged for Mr. Jarrett Newlon of the Little Kanawha Soil Conservation District to make a field review of these locations. This field review was conducted on November 2, 1983. Also, Mr. Deo Mace, Department of Mines Oil and Gas Inspector for Calhoun County inspected the two locations. Our conditioning is based on the recommendations of Mr. Newlon and Mr. Mace, and includes a time condition recommended due to the unstable soil conditions in that area and to the relatively steep grades on parts of the location roads.

Sincerely

Margaret T. Hasse

Petroleum Engineering Specialist

Oil and Gas Division

Rt 2 Box 98 Minnora, WV 25263

October 24. 1984

OIL & GAS DIVISION DEPT. OF MINES

Mr. Theodore M. Streit. Administrator, Division of Oil and Gas. W.V. Department of Mines. Charleston, WV 25311

Dear Mr. Streit.

Re: API No. 47-013-3

On Monday last it rained here for most of the day. The drillers began moving equipment off the site at 7.00A.M. but gave up at about 9.30A.M. because of the mud. I visited the site at 5.00P.M. and found that the pits were overflowing and a stream of water was flowing over the hill in the approximate direction of our spring/cistern which is located between the drilling site and our house. I did not measure the flow but would estimate it at approximately 20 gallons per minute.

I tried to call Sterling but got no reply. Nor could I get a reply at Mr. Mace's number. So I called your office and spoke to Ms. Holly Derrigan who promised to have someone phone me "in the morning". I kept trying Mr. Mace's number and finally got through to his wife, with whom I left a message. Meanwhile Ms. Derrigan had passed my message to Ms. Hasse who also left a message for Mr. Mace.

Later in the evening Mr. Mace got in touch with the operator, and at 9.00P.M. three workmen went onto the site and dozed a dike around the lower end of the pits. Yesterday morning Mr. Mace and Mr. Mills (DNR) visited the site. They said they would ask the operator to make the dike bigger but that because the pit was not actually overflowing during their visit there was nothing else they could do. I pointed out to Mr. Mace that no provision had been made to divert surface water from the pit. He said that there was not much surface water running into the pit. (By this time the rain had almost stopped.) At 2.00 yesterday afternoon a dozer operator arrived and raised the level of the dike.

contd

charleston, wy

Administrator,

eti no. 47-013-5303

dr. Inerdore M. Streit.

W.V. Department. . V.W

began moving endipment off the site at A. Co. n. out give up at Sbenty. JuA.m. Decause of the mud. I visited the gite at magric a but galactimevo even adio ent tent pour time . . 190.0 -itespinow and woil end aressure the flow but wouldestiestimate it at a proximately 20 gallons pur minute.

a tried to call aterling but got no reply. For could I get a reply of Mr. Bace's mumber. So I called your office and spoke to he. Bolly Derriges who promised to have someone phone ine to the morning. I kept trying Mr. Mide's masser ... iincily while has been bed passed up message to me. masse who eard ie de seme de l'or dr. dece.

. t. Mariarum vabrassei . Resignation of the color of wede and it. wills (sha) visited the site. The one some would sak the operator to make the dike bigger but that occase the citwest not not not in all over the the second vielt beere wee nothing eine they could do. I pointed out to ar. Made ther ad grevition and Deem made to divert surface softwo the first was for asy erand that he is all the soft more to as ates rubning into the pit. () this time the rain has almost bevilla loverede resop a modurela ferience for in (.reddota end laised unestevel of the dike.

The purpose of this letter is twofold. Firstly, to thank you and your department for the action taken. We are particularly grateful to Ms. Hasse, who telephoned us from her home and did much to allay our concern. Secondly, to formally challenge Mr. Mace's statement that nothing could be done unless he actually witnesses the overflow. The fact is that the operator has violated regulations 23.03, 23.04 and 23.05.

23.03:-by neglecting to construct and maintain the site in such a manner as to confine all materials leaked or spilled as a result of drilling operations to the drilling site.

23.04:-by constructing a location which made no provision to divert surface water from the pit.

-by failing to inform the inspector of the overflow.

23.05:-by neglecting to make proper and adequate provision to prevent surface water pollution.

Furthermore the site at this time is in imminent danger of overflowing. Within ten minutes of the dozer driver leaving the site the water had crested the dike and was flowing onto the location. If the rains continue it is only a matter of time before it gets over the hill. I would like to stress that, although it rained Monday and yesterday, we have actually had very little rain. The streams are barely flowing. If we get a heavy downpour the entire site will be awash with contaminated water. What is particularly difficult is that we may have to live with this state of affairs for six months—right through the winter.

All of this could so easily have been prevented. On Saturday, October 20, I visited the site and spoke to Mr. McCrosky, the site foreman. He told me that, as the pits were full to the top, he intended to recommend to Sterling that they be pumped dry. This was two days before the overflow actually occurred.

To guard against any misunderstanding, may I make it clear that there is absolutely no ill feeling between your inspector and ourselves. We have always found Mr. Mace to be most responsive and helpful. It is simply that in this instance I disagree with his judgment. Mr. Mace has mentioned to us from time to time that there are many surface owners whose plight is much worse than ours. I am quite sure that this is so. But it is a little like telling a man who has been robbed and beaten that a lot of people nowadays are getting murdered. It is some consolation - but not much.

contd

Ine purpose of this letter is twofold. Firstly, to thank you are your department for the action taken. We are particularly grateful to Ms. Hasse, who temphoned as from her some and tid much to allay our concern. Secondly, to formally challenge are not made to statement that nothing equia be done unless neactually entresses the overflow. The fect is that the operaum has violated regulations 23.03, 23.04 and 23.05.

25.05: 0y neglecting to construct and maintain the site in such a marner as to confine als meterials leaked or applied as a result of drilling operations to the drilling site.

23.04:-by constructing a location which made no provision to sivert surface water from the lit.

23.05:4by neglecting to make proper and adequate provision to prevent surfice water politition.

Furthermore the give of this time is in imminent concer of cverflowing. Within ten minutes of the descript leving the site the water had created the disc and was flowing onto the idealor. If the raths continue it is only a matter of time before it gets over the fills. I would like to stress that, withough it rained for the last two days, we have clustly had very offule rain. The streams are easely flowing. If we teningled water, what is particularly difficult is that we may have to live with this state of sifairs for six months right through the with this state of sifairs for six months.

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is

I would be grateful if you would let me know why the regulations which I have mentioned above are not being enforced in this instance.

Philis Hickory

Philip Hickey

cc. L. Howley Attorney at Law

> D. Mace Oil and Gas Inspector





State of West Virginia Department of Mines Gil and Gas Division Charleston 25305

WALTER N. MILLER DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

00G-1038

October 30, 1984

Sterling Drilling & Production Corp. 710 Virginia Street, East Charleston, WV 25301

Attn: Mr. Harry L. Berger, Jr.

Re: 47-013-3303

Dear Mr. Berger:

This letter is to inform you that your permit to drill the subject well includes all phases of the drilling and completion which <u>in-</u>cludes stimulation.

I was in error when I previously required that you obtain a separate permit to stimulate this well.

Stimulation as commonly known in the industry is part of drilling a well. However, if after six (6) months you have not completed the well work, Regulation 7.01(i) requires that you obtain a new permit.

I suggest that you complete your well work as quickly as possible and get your reclamation completed.

Sincerely,

Ted M. Streit, Administrator Office of Oil and Gas

TMS/las

cc - Deo Mace, Oil and Gas District Inspector Mr. Phil Hickey





OIL & GAS DIVISION
DEPT. OF MINES

Rt 2 Box 98 Minnora, WV 25263

December 31, 1984

MARGRIET

WHOT

Mr Theodore M. Streit Administrator Division of Oil and Gas W.V. Department of Mines Charleston, WV 25311

Dear Mr Streit

Re: API No. 47-013-3303

On October 22, 1984, as a result of Sterling's negligence, the pits on this site overflowed. I estimate that approximately ten thousand gallons of polluted water flowed over our pasture. I wrote to you concerning this matter on October 24, 1984 but have not yet received a reply.

I visited the site recently and noticed that the vegetation in the affected area is dead and blackened. I wrote to Sterling on December 18, 1984 asking that they send someone here to discuss the fencing and detoxification of the area, but have received no reply.

It is now over nine weeks since I wrote to you and I would be grateful if you could let me have a reply as soon as is convenient.

Philip Hickey

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OIL & GAS DIVISION

DEPT. OF MINES

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Mr insector a. Streit and insection of Oil and was a.V. pepartment of himself unarlesten, WV 25511

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UC: THE NO. 4/-013-59

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I visited the site recently and moriced that the veletating in a affected area is easily and in the affected area is easily and they send the here to discuss the tending and detaxification of the area, but hive received no reply.

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ARCH A. MOORE JR.

Governor



State of West Wirginia

Bepartment of Mines
Charleston 25305

February 19, 1985

BARTON B. LAY JR. Director

Mr. Philip Hickey Route 2, Box 98 Minnora, West Virginia 25263

Re: Permit No. 47-013-3303

Dear Mr. Hickey:

This is in reply to your several letters and telephone inquiries regarding problems with the above subject well. Many questions raised are not easily answered.

Due to various communications problems, not all the laws were enforced as well as we would like to have them enforced in this case. Mr. Mace, our district inspector, will soon post a violation against Sterling for violations of this permit (if he has not already done so).

In regard to the spilled pit: while this is, of course, an unfortunate and unpleasant accident, we have no knowledge that there is anything of long term toxicity in the pit.

Looking forward, we will do our utmost to see that the location and road are properly reclaimed as early as possible this spring and that any damaged property is restored.

Sincerely,

Theodore M. Streit Administrator

Office of Oil & Gas

cc: Sterling Drilling
Deo Mace
File

Rt 2 box 98 Minnora, WV 25265 Phone 655-8901

Feoruary 19, 1985

Ms Margaret T Hasse
Petroleum Engineering Specialist
Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, WV
25311

Jear Margaret

DECERVED.

OIL & GAS DIVISION DEPT DE MINES

Re: API 47-013-3303 and 47-013-3056

I was mistaken on Friday when I said "OG-1". I have checked our files, and the form we received was IV-2 (which Isthink is the one you had in mind). It had been several months since I looked at the forms and I had confused the numbers. However, I believe that my argument is no less valid. I am wriging to the Administrator asking him to look into the matter, but I would like to put our arguments to you also and would be most grateful for your reaction.

Form IV-2(3) is a six-page self-carboning form. The surface owner's copy is the fifth copy own, and all six pages are attached together at the top. The reverse side of the surface owner's copy gives the surface owner's "bill of rights". In the guidelines your office has prepared for applicants you specifically make the point: "to avoid problems, make certain all surface owners required to receive hotice receive both front and back of the copy".

But instead, we received a completed form IV-2. The two forms do have some similarities but in fact are not at all alike:

- 1. Form IV-2(B) is blue; IV-2 is white . .
- 2. Form IV-2(B) is eleven inches long; IV-2 is fourteen
 - . Form IV-2(B) has 15 line items; IV-2 has 24
 - 4. The lower third of the two forms bear not the
 - slightest resemblance to each other
- 5. The reverse of Form IV-Z(B) has the "bill of rights"; Form IV-Z does not
- 6. rorm IV-2(B) does not require the designated agent's signature, whereas IV-2 does

Let us for a moment assume that - in spite of all these differences - the substitution was an accident. Mr. Berger's typist typed up Form IV-2(B) (all six copies). He/she then lost the surface owner's copy. When the various documents were being collated the loss was discovered and a fresh form was typed for the surface owner: not on Form IV-2(B), which presumably was close to hand, but on the older form IV-2 (which had been obsolete for almost three months). Having typed the information on the wrong form, someone then noticed that the form required Mr. Berger's signature. Mr. Berger not only signed the form, but had it notarized as well, all without noticing that it was the wrong form. His failure to notice this is the more astonishing when you remember that the correct form -IV-2(B) - does not require his signature at all. And then believe it or not - the entire series of unfortunate errors was repeated for the second well!

Back to reality. I have studied the documents at great length, and frankly, I cannot believe that the substitution was an error. The only question to my mind is whether or not this particular ploy was used on <u>all</u> Sterling's surface owners or only on us.

Perhaps the most serious aspect of the matter is the fact that Mr. Berger's application was accompanied by his sworn statement that he had sent all the correct documents as required by law - when in fact he had not.

Although I have tried - in this and in all matters - to be scrupulously fair to Sterling, it may be that there is some simple explanation to this matter that I have overlooked. As I mentioned above, I would be grateful for any comments you might have.

Mies Hickey

Philip Hickey

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Although I have tried - in this and in all matters - to be sorupulously fair to Sterling, it may be that there is some simple explanation to this matter that I have overlooked. As I mentioned above, I would be grateful for any comments you might have.

Poils Hickey

Rt 2 Box 98 Minnora WV 25263

Phone 655 8901

March 31 1985

Mr Theodore M Streit Administrator Office of Oil and Gas West Virginia Department of Mines Charleston WV 25305

RECEIVED

APR 4 - 1985

CIL & GAS DIVISION
DEPT. OF MINES

Dear Mr Streit

Re: API 47-013-3303 and 47-013-3536

- 1. I wrote to you on February 22 (five weeks ago) but have as yet received no reply (not even an acknowledgement).
- 2. The reclamation of site 3536 has now become a matter of some urgency. The slips are spreading at an alarming rate, and I fear that if corrective action is not taken soon, the damage will be irreparable.
- 3. The facts of this matter are set out in detail in paragraph 4(a) of my letter of February 22.
- 4. I spoke to Mr Mace recently and he suggested that I might ask you to authorize a special inspection of this site. I would be very grateful if you would do this.
- 5. During the past year or so, I have raised several matters with your office. From your responses, and the responses of your inspectors, I have gained the impression that my representations are greeted with something less than enthusiasm. This has disappointed me because I have never asked for nor would I ever expect anything more than the correct and reasonable enforcement of the law. If you agree to authorize a special inspection of 3536, do you think it would be possible for you yourself to accompany the inspector? I would welcome an opportunity to speak to you and show you these sites in order that you can evaluate at firsthand the reasonableness or otherwise of our position.

Philip Hickey

10/06/2023





STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Date: Sept. 19,1983
Well No: MiNNEY 248
API NO: 47 - 13 - 3303 REN
State County Permit

OIL & GAS DIVISION Gas Division NOTICE OF VIOLATION

WELL TYPE: 0il / Gas Liquid Injection / Waste Disposal /
Of 'Gas' - Production / Storage / Deep / Shallow /
LOCATION: Elevation: Watershed:
District: See County: Calhoun Quadrangle:
WELL OPERATOR & Terling Orille DESIGNATED AGENT Havy Berger
Address 710 Guiginia &t E
Charleston WU 25301
The above well is being posted this 19 day of Lept, 1983, for a violation of Code 22-4-12 and/or Regulation 23.06, set forth in detail as follows: (USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)
LUCATION AND ACCESS ROAD HAS BEEN CONSTRUCTED, HOWEVER
ORILLING HAS NOT BEEN STARTED.
THE DEPT. OF MINES WAS NOT NOTIFIED OF CONSTRUCTION.
THE DRILLING PERMIT HAS EXPIRED.
RECLAMATION SHOULD BE STARTED This WEEK.
A copy of this notice has been posted at the well site and sent by certified or
registered mail to the indicated well operator or his designated agent.
You are hereby granted until SEPT. 26, 1983, to abate this violation.
Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.
De maro
Oil and Gas Inspector
Address RT 1 Box 5
Sand Didge WU 25174
Telephone: 695-73 90/06/2023

FORM IV-31 9-83



OIL & GAS DIVISION
DEPT. OF MINES

Date:	100	23,	1983	
Operator's Well Number_	mi	NNEY	248	
API Well No.:	47	- /3	-3303	R.
	State	County	Permit	

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

NOTICE OF ABATEMENT

WELL TYPE:	Oil/ Gas Lic	quid Injection/	Waste disposal	
		Underground		
LOCATION:	If "Gas" - Production		p/ Shallow	
LOCATION.		County:		Quadrangle:
WELL OPERATOR	STERLING		ESIGNATED AGENT	HARRY BERGER
Address			Address	
				CHARLESTON 25301
Notice is here	eby given that the undersigne	ed authorized oil and ga	as inspector made	a special inspection of the above named well
on NOV	23 , 19 83 ,			
				19 , 19 83 , by Form IV-27, "Notice
				otally abated. If the abated violation was found by
resume operations.		ease, such requirement is	s hereby rescinded, ar	nd the well operator is hereby notified that he may
resume operations.				
COMMENTS				
A copy of this	notice has been posted at the v	well site and sent by cert	fied or registered ma	il to the indicated well operator or his designated
agent.				
			19-	mace
				Oil and Gas Inspector
			Address	
			Telephone	

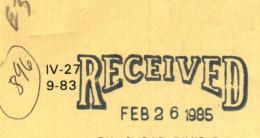




DEPT, OF MINES

DEPARTMENT OF MINLS, OIL AND GAS DIVISION

Vaste disposal			WELL TYPE
	J Storage Waters		LOCATION
DESIGNATED AGENT ZZ		District AS & Comment of the Comment	WELL OPERATOR Address
and gas inspector made a special inspection of the above hamed well	le signed authorized oil		
d to exist on 250 72 72 19 52 6 Verm IV-27. "Notice of their date has been totally abated. If the ebated violation was round by ment is hereby reconded, and the well operator is hereby notified that he may		/ Form IV-28, "Immire Order requiring operation	The violation of
			COMMENTS
ey certified or registered mail to the indicated well operator or his designated	of the well site and sept to	notice has been posted	aids to your A
Oll and Gos Inspector Address			





STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Date: Feb. 25, 1985
Well No: Minney 248
API NO: 47 - 13-3303 Ren
State County Permit

OIL & GAS DIVISION

DEPT. OF MINES Oil and Gas Division NOTICE OF VIOLATION

NOTICE OF VIOLATION	
WELL TYPE: Oil/ Gas_x_ Liquid Injection/ Waste Disp	oosal/
Of "Gas" - Production X / Storage / Deep /	/ Shallow x /
LOCATION: Elevation: Watershed: Cabin Run	
District: Lee County: Calhoun Quadra	
WELL OPERATOR Sterling Drilling & Prod DESIGNATED AGENT H	
Address Address 7	10 Virginia St. E.
Ċ	harleston,WV 25301
The above well is being posted this 25 day of Fe	
violation of Code 22-4-1-oand/or Regulation, set fort	th in detail as follows:
(USE REVERSE SIDE OF THIS NOTICE IF NECESSAR	RY)
Conditions of the permit are that well work authonly between April 15 and November 1. By fraction November, 1985, Sterling Drilling & Production terms of this permit. Therefore, reclamation slimmediately, weather permitting.	uring this well during Co. violated the
A copy of this notice has been posted at the well site and	sent by certified or
registered mail to the indicated well operator or his designated	d agent.
You are hereby granted until March 4, 1985, to	abate this violation.
Failure to abate the violation may result in action by the	Department under
Code 22-4-17 or Code 22-4-18.	
10	100 110-
Oil and Gas	Inspector
Address A >	1 BOL5
la	of Ride uv
	25274
Telephone:	10/06/2023

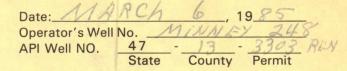
OIL & GAS DIVISION DEPT. OF MINES

10CATION: Elevation: Watershed: Cabin with
VELE OPERATOR SCHOOLSTON DESIGNATED AGENT GENERAL HORSEST
Address Val Vargania acass.
Charleson, N. V. J. 2011
violation of Code 22-8-1-Gend/or Regulation set forth in detail as follows:
(USE REVERSE SIDE OF THIS WOTICE IF WEEESEARY)
Condicions of the permit are until work authorized be performed and performed and performed and performed and performed and perfect the sound of the sound of the sound and the sound of the sound of the sound of the sound of the permit of the permit of the sound of
and the state of t

FORM IV

FORM IV-29 9-83







OIL & GAS DIVISION

DEPT. OF MINES STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

NOTICE EXTENDING ABATEMENT TIME

WELL TYPE: Oi	I_X/ Gas_X Liquid Injection/ Waste disposal/
	"Gas" - Production/ Storage/ Deep/ Shallow/
LOCATION: Ele	evation: Watershed: RUN
	strict: County: Quadrangle:
WELL OPERATOR	and for the state of the state
Address	Address //O VIRGINIA ST. E.
	CHARLESTON, WU 25301
	otice is hereby given that the undersigned authorized oil and gas inspector made a special inspection
of the above name	ed well on AARCA 6 , 1985.
a Th	ne violation of Code, heretofore found to exist on FFB, 25,
	orm IV-27, "Notice of Violation", Form IV-28, "Imminent Danger Order" of
that date has not	been totally abated. Accordingly, the well operator is—
	required to continue the cessation of operations until the imminent danger is totally abated.
1/	granted an extension of time to totally abate the violation, until
	This is the first/ second/ final/ extension of said Notice of
	Violation.
	Violation.
COMMENTS:	(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)
	19 , mas
	Oil and Gas Inspector
	h n -
	Address NT Box 5
	Sand Ridge WU 25874
	Telephone (235 - 73660010000
	Telephone

FORM IV-29 9-83





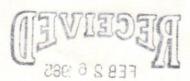
OIL & GAS DIVISION
DEPT. OF MINES

Date: APRI	23		1985
Operator's Well	No. M	INNEY	248
API Well NO.	47	- 13	- 3303
	State	County	Permit

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

NOTICE EXTENDING ABATEMENT TIME

WELL TYPE:	
	Of "Gas" - Production Storage Deep Shallow
LOCATION:	Elevation: Watershed: CABIN RUN
	District: County: CALHOUN Quadrangle:
	TOR STERLING D. F. CO DESIGNATED AGENT HARRY BERGER
Addı	ress Address 710 VIRGINIA ST. E.
	CHARLESTOAI WU 25301
	Notice is hereby given that the undersigned authorized oil and gas inspector made a special inspection
of the above n	named well on, 19
07	The violation of Code, heretofore found to exist on FEB. 25,
19 <u>0</u> , by	y Form IV-27, "Notice of Violation"/, Form IV-28, "Imminent Danger Order"/ of
that date has r	not been totally abated. Accordingly, the well operator is—
	required to continue the assertion of assertion will the interest of the second of the
Start	required to continue the cessation of operations until the imminent danger is totally abated.
X	granted an extension of time to totally abate the violation, until MAY 2,1985.
e soa secul	This is the first/ second/ final/ extension of said Notice of
	Violation.
COMMENTS:	(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)
	Ol Maro
	Oil and Gas Inspector
	Address
	Telephone
	10/06/2023



OIL & GAS DIVISION

February 22, 1985

Minnora, WV 25263

86 x08 8 18

Phone 655-8901

Mr Theodore M Streit
Administrator
Office of Oil and Gas
West Virginia Department of Mines
Charleston. WV 25305

Dear Mr Streit

Re: API 47-013-3303 and 47-013-3536

- 1. Today I received your letter of February 19. I am not at all satisfied with the explanations you offer.
- 2. In your second paragraph you say, "Due to various communications problems, not all the laws were enforced as well as we would like to have them enforced in this case." I would be grateful if you would let me know exactly what are the communications problems, and in what way they have prevented your office from taking the appropriate action. The sequence of events in this matter was as follows:
 - a) Mr Mace visited the site on or about October 20, 1984.

 He found that the pits were almost full and told the person in charge to have them emptied. (This I know because Mr Mace himself told me.) He also, presumably, noticed that no provision had been made to divert surface water from the pits is specifically required by the regulations.
 - b) On October 22 the pits overflowed, and several thousand gallons of toxic water were spilled on our pasture in the vicinity of our water source. I complained to your office and Mr Mace instructed the operators by phone to dike the pits. At nine o'clock that evening three workmen went onto the site and raised an earth dike around the pits.
 - c) On October 25 Mr Mace visited the site and said that he could not serve a violation because he did not actually witness the overflow and that the dike was containing the pit water at that time. I pointed out that the water was seeping through the dike and that the regulations prohibited seepage of pit water. I also pointed out that no provision had been made to divert surface water from the pits. But

Mr Mace remained adamant in his refusal to serve a violation.

I cannot see that there were any communications problems at all. In fact, my overall impression was that Ms Derrigan, Ms Hasse and Mr Mace communicated rather well.

3. In your third paragraph you say that you have no knowledge that there is anything of long-term toxicity in the pit. The implication is that pit water is to be considered benign until conclusively proven otherwise. And yet the implication in West Virginia law is that pit water is dangerous. Otherwise why do we need such an array of rules and procedures designed to contain the water and dispose of it properly? Furthermore — in this case — you have the prima facie evidence that the spill has killed and blackened a large area of vegetation. And yet your office has taken no action against Sterling in this matter — because you have no knowledge that there is anything of long-term toxicity in the pit. Frankly this is beyond belief.

You describe the spill as "an unfortunate and unpleasant accident", suggesting that the incident was somehow unpredictable and unavoidable - an act of God, so to speak. In fact it was nothing of the kind. The spill was an inevitable consequence of the poorly constructed location and your inspector's failure to enforce the law. A properly constructed location would, of course, have cost law. A properly constructed location would, of course, have cost Sterling more money, and it occurs to me that this was the primary consideration.

- 4. On February 15, 1985 I spoke to Ms Hasse on the telephone. We spoke at some length and I pointed out to her that the present issues were not isolated incidents. Sterling have been working on this farm since 1981 and the treatment we have received at their hands has been nothing short of frightful. I also mentioned that we are less than satisfied with the level of protection we have received from your office. Ms Hasse felt that it might be helpful received from your complaints in writing. These are set out below.
 - a) In June '83 Sterling opened two sites on our farm (API 3303 and 3536). However, they did not drill and the permits expired. In September I complained to your office that the sites had been left exposed for longer than the permitted two months. On September 19, 1983 Mr Mace called and served a violation on each site and ordered reclamation to be carried out within seven days. In fact, reclamation was not started out within seven days. To the best of my knowledge, no extension until October 28. To the best of my knowledge, no extension of the abatement period was ever authorized. Furthermore, Sterling did not begin reclamation until the day after Ms Sterling did not begin reclamation until the day after Ms

contd

Mr Mace remained adament in his refusal to serve a violation.

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4. On February 15, 1985 I spoke to Ms Hasso on the telephone. We spoke at some length and I pointed out to her that the present issues were not isolated incidents. Sterling have been working on this farm since 1981 and the treatment we have received at their hands has been nothing short of frightful. I also mentioned that we are less than satisfied with the level of protection we have received from your office. Ms Hasse feit that it might be neighful if I were to put our complaints in writing. Incee are set out below.

In June '85 Sterling opened two sites on our farm (API 500) and 5056). However, they did not drill and the permits expired. In september I complained to your office that the sites had been left exposed for longer than the permitted two months. On September 19, 1985 Mr Hace called and served a violation on each site and ordered reclamation to be carried out within seven days. In fact, reclamation was not started until October 20. To the best of my knowledge, no extension until October 20. To the best of my knowledge, no extension of the abatement period was ever authorized. Furthermore, Sterling did not begin reclamation until the day after Ms. Sterling did not begin reclamation until the day after Ms.

Well no. 3303 has since been drilled, but no. 3536 has not. The violation called for a full reclamation, but in fact 1) only wheat was sown and the vegetative cover is to this date extremely poor. 2) There are numerous slips - including two very large ones. 3) The reclaimers left two enormous brush piles at the side of the site. 4) By re-routing the road they have cut off our access to the back of our hollow.

On June 25, 1984 Nancy phoned Ms Hasse and mentioned these matters. Ms Hasse referred us to Mr Mace. On July 5 I called Mr Mace and on July 23 he inspected the sites. On August 8, 1984 I phoned Mr Mace and he said that he had asked Sterling to fix the slips and improve the vegetation. On October 9 Mr Davis of Sterling came here to look at the slips and he said he would have them fixed. This has not yet happened. The reclamation, by your own inspector's admission, is below the acceptable standard, and yet Sterling remains uncensured, the slips continue to slip, and wheat seed only grows wheat.

- On September 26, 1983 Sterling applied for new permits for 3303 and 3536. By that date the new form IV-2(B) had been in use for almost three months. Surprisingly, however, our copy of the application was not typed on form IV-2(B) but on the older IV-2. The major essential difference between the two forms is that the surface owner's rights are listed on the newer form. I have studied the documents carefully and I believe that I can prove beyond a reasonable doubt 1) that the substitution was not accidental and 2) that Mr Berger knew of the substitution. I can only conclude that this subterfuge was a rather pathetic attempt to conseal from us our right to comment. I contacted Sterling immediately and within a few days received the correct documents, but the fact remains that Mr Berger's application for a permit contained his sworn statement that the correct documents had been sent to all concerned parties, even though at the time of swearing he knew in fact that this was not so. I invited Mr Berger to discuss this matter when he visited here on Uctober 26, 1984, but he refused to do so. His words were: "I don't care what you can prove." I would be grateful for an opportunity to put this evidence before you.
- c) In my letter to you of becember 10, 1984 I described the confrontation which Sterling engineered here at our home on October 12, 1984. Their behavior during this incident was particularly disgusting. Mr Davis, who by his own account was taking orders directly from his head office, attempted to bully Nancy (who at the time had a four-year-old boy and a two-month-old baby to care for) into waiving one of the conditions on their permit. He even brought in the police to further the attempt at intimidation. During or shortly

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after the incident Mr Berger phoned Ms Hasse and reportedly told her that I was crazy and that she would have to do something about me. (I can't imagine what he had in mind.) When Mr Berger came here on October 26 I asked him to explain his company's actions on that day. He claimed to have almost no knowledge of the matter but implied that if Mr Davis called the police then he must have been concerned that Nancy was about to become violent. Mr Davis himself told Nancy that he was calling the police to drag her away from the gate.

Given that your office has jurisdiction over the well work; and given that we were enforcing the conditions which you had imposed on Sterling's permit; and given that your inspector had - to my knowledge - made no attempt to enforce the condition, and given that one of the purposes of the rule of law is to prevent the kind of bullying that Sterling practiced on that day, I think that it is reasonable for us to ask that you demand from Sterling an explanation of their behavior in this matter.

.

- 5. Perhaps the most distressing aspects of this entire business are the fact that Sterling consistently behave as if they are immune from legal process and your office appears to lack either the resources or the resolve to disillusion them in this regard. Mr Mace has assured me, on more than one occasion, that Sterling are really a very good company. I do not for a moment doubt Mr Mace's sincerity, but I must seriously question his judgment in this particular matter. Perhaps from a technical point of view, Sterling are flawless I don't know. But the fact remains that on our farm at least they conducted their operations with an almost total disregard for the land and the rights of the landowners. (Even as I write this letter I am conscious of the fact that several thousand gallons of toxic water may be migrating slowly but inexorably towards our water supply.) And bear in mind that in all matters we have been more than co-operative with Sterling.
- 6. Mr Mace has also assured me that Sterling and other drilling companies are "West Virginia's last chance" for economic salvation. This proposition is debatable, but of course it is perfectly proper for an oil and gas inspector to have political, social and economic views. However, it is not proper for him (or for any public official) to allow these views to influence his professional judgment. There is no doubt in my mind that when Mr Mace made this remark to me, there was a clear implication that the argument somehow mitigated the seriousness of Sterling's transgressions. My own view is that the Office of Oil and Gas might more usefully confine itself to the activities for which it was created and leave West Virginia's political philosophy to the elected legislators. I

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- 7. Is it unreasonable that we should turn to your office for help? Is it unreasonable, when we see flagrant acts of delinquency, to report these to the office which was created to monitor and deal with these matters? And what would you recommend we do when we see the miscreants walk away not only uncensured but positively applauded by the very agency charged with the responsibility of policing their activities?
- 8. To summarize: I would be very grateful if you would:
 - a) let me know the nature of the communications problems which you mentioned in your letter;
 - b) confirm that it is your department's formal policy to treat pit water as benign until conclusively proven otherwise;
 - c) order that the reclamation work on site 3536 be brought to an acceptable standard;
 - d) allow me to bring to you the evidence of Mr Berger's false swearing;
 - e) demand from Sterling an explanation of their behavior on October 12, 1984.
- 9. As these matters have already dragged on for considerably longer than one might reasonably expect, I would be extremely grateful if you could reply within a reasonable space of time.

Philip Hickey

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Philip Hickey

co L howley Attorney



State of Mest Virginia

ARCH A. MOORE, JR. Governor

Department of Mines
Charleston 25305

BARTON B. LAY, JR. Director

00G-1153

April 8, 1985

Mr. Philip Hickey Rt. 2, Box 98 Minnora, WV 25263

Re: 47-013-3303 and 013-3536

Dear Mr. Hickey:

This is in response to your letter of March 31, 1985, relative to the above captioned well locations.

Inspector Mace and I have been in close consultation concerning the reclamation of these sites and I have no reason to doubt that he has not been taking care of your problem.

However, since you believe that this situation has not been adequately handled, I am requesting Inspector Homer Dougherty to check the sites and make recommendations as to what he feel should be done to alleviate the problem.

You should be hearing from Mr. Dougherty within the next week.

Sincerely,

Ted M. Streit, Administrator

Office of Oil and Gas

TMS/las

cc - Homer Dougherty, District Oil and Gas Inspector





OIL & GAS DIVISION DEPT. OF MINE!

Oil and Gas Division

	PROPOSES OF STRUCTURE TO STRUCTURE OF STRUCT	
TO THE DEPARTMENT OF MINES,		
Charleston, W. Va.	DATE August 19, 1980	
Surface Owner P. Hickey	Company Sterling Drilling & Product	tio
Address Arnoldsburg, W.V. 25234	Address 622 3rd Ave., Suite 3800 NY	NY
Mineral Owner Rodney C. Minney	Farm MINNEY Acres 80.25	001
Address Shock, W.V. 26638	Location (waters) Cabin Run 97	
Coal Owner Unknown - Unoperated	Well No. 248 Elevation 840	-
Address	District Lee County Calho	oun
Coal Operator None	Quadrangle Arnoldsburg	
HIS PERMIT MUST BE POSTED AT THE WELL SITE		
the considered with Chapter 22,		
of the W. Va. Code, ma location is	INSPECTOR	
drilling This permit shall expire if	TO BE NOTIFIED Richard Morris	
operations have not commenced by 12-28-81	ADDRESS P.O. Box 372 Grantsville, W.	V
fres Duralle		
Deputy Director - Oil & Gas Division	PHONE 354 - 7259	
GENTLEMEN;	APROXIMATE COAL NEW COAL	
	ling & Production of the 12th day of Sept	t.
1979, in Calhoun County, Book	Page 184 Lease # 042 - 003 REDRILL FRACTURE OR STIMULA	
1979 in Calhoun County, Book	Page 184 Lease # 042 - 003 REDRILL FRACTURE OR STIMULA	
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1979, in County, Book	Page 184 Lease # 042 - 003 REPORTED FRACTURE OR STIMULA RILLED BEFORE JUNE 5, 1969. gineer or licensed land surveyor and all coal owners and/or opera hereby notified that any objection they wish to make, or are requ	ators
1979, in Calhoun County, Book XX NEW WELL DRILL DEEPE OIL AND GAS WELL ORIGINALLY D The enclosed plat was prepared by a registered enhave been notified as of the above date. The above named coal owners and/or operator are to make by Section 3 of the Code, must be received by the complete of this notice and the enclosed plat were may or coal owners at their above shown respective addressame day with the mailing or delivery of this copy to	Page 184 Lease # 042 - 003 REPORILL FRACTURE OR STIMULA RILLED BEFORE JUNE 5, 1969. gineer or licensed land surveyor and all coal owners and/or opera thereby notified that any objection they wish to make, or are requirely, or filed with the Department of Mines within ten (10) days. * ailed by registered mail, or delivered to the above named coal opera tess	ators
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"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by

Signed by Marlie

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER T	O X DRILL	DEEPENFRACTURE-STIMULATE		
DRILLING CONTRACTOR: (If Known) NAME F W A Drilling Company, Inc. ADDRESS P.O. Box 448 - Elkview, W.V. TELEPHONE 965 - 3379		RESPONSIBLE AGENT:		
		TELEPHONE 364	- 5780	
		ESTIMATED DEPTH OF COM	PLETED WELL: 2013	ROTARYX
PROPOSED GEOLOGICAL FO	RMATION: Injun			
TYPE OF WELL: OIL	GAS X CO	OMBSTORA	GE DISPOSAL	
	RECYCLIN	NG WATER F	LOODOTHER	
TENTATIVE CASING PROGRA	AM:			
CASING AND TUBING	Herb rob	LEET IV		
SIZE	USED FOR DRILLING	LEFT IN WELL	OR SACKS - CUBIC FT.	
20 - 16	.02.			
13 - 10				
9 - 5/8				
8 - 5/8	250'	250'	To Surface	
7		4712 1272		
5 ½				
4 1/2		2013'	100 sks	
3		1407CT	Perf. Top	
Liners	ž		Perf. Bottom	
Liners	2	*	Perf. Top	
	No. 10 10 10 10 10 10 10 10 10 10 10 10 10		Perf. Bottom	
SUBMIT FIVE (5) COPIES OF PLAT. TO DRILL DEEPER OR REDRI SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR MUST ALSO BE SUBMITTO FRACTURE - STIMULATE: OIL AND/OR GAS WELL OBOND, PERMANENT PLATOIL AND/OR GAS WELL OIL AND/OR GAS WELL	LL: OF OG - 1, \$100.00 PERMIT LL: OF OG - 1, SHOWING ORIGIN TO 1929, A PERMANENT CO. DED. ORIGINALLY DRILLED BEFOR F AND ORIGINAL WELL RECO. ORIGINALLY DRILLED ON AND UMBER, AND PERFORMANCE I	BY WHOM?BY WHOM?	BOND AND PERMANENT COPY AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD COPIES OG - 1, PERFORMANCE 229, FIVE COPIES OG - 1, SHOW- Inspector to be notified twenty-	
The following waiver must	be completed by the coal opera	tor if the permit is to be	issued within ten days of receipt	
nereof.		F. The to the	and will days of receipt	
VAIVER: I the undersigned, Age	ent for	Coal Company, Owne	er or Operator of the coal under	
	ned and place on our mine map			
we theproviding operator has Code.	Coal Company ha	ve no objections to said attions in Articles 4, 5, and	well being dri <mark>10/06/2023</mark> tion, 7, Chapter 22 of the West Virginia	
		70723	For Coal Company	
		HART THERE	For Coal Company	

FILE COPY

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



1)	Date:_	September	26	, 19 <u>83</u>

2) Operator's Well No. 248 - Ren.

3) API Well No. 47 - 013 - 3303 - Ren
State County Permit

Formerly 47 - 013 - 3303

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

<u></u>				A	PPLICA	TION FOR A WI	ELL WORK PERMIT			
4) WELLTY	PE: A O	:	20 / G	ıs -	Χ /	WWA THE RING		DIFFICATIONS	MATTERAGES	
4) WELLII										X_/)
5) LOCATIO	N: Ele	vation:		974	.68'	Watershed:	Cabin Run	/ Deep		
nd	B C Dis	tricts m	Lee	boom	regale	County:	Calhoun	Quadrangle: 7	7.5' Arnol	dsburg
6) WELL OF	ERATOR_	Steri	ing Dr	1111	ng &	Prod. Co.,	Inc DESIGNATE	AGENT Harry	L. Berger	, Jr.
Addres	s 360	J Madi	son Av	e. F	itth	Floor	Address	710 Virginia	St., E.	
raced.	ograne	w York	, New	York	1,00	the feetand	s regarding	Charleston,	W.V. 2530	11
8) OIL & GA	S INSPECT	TOR TO	BE NOTI	FIED			O) DDII I INC C	ONITE ACTOR.		
Name		. 1 Bo	v 5				Name	NKNOWN AT THE	13 ITME	
Addres	Sar	ndrida	e, W.V	25	274		Address	10)	15 PIS	MPD-
				V			(D 1 '''	1	15000	3 17 151
10) PROPOSI	ED WELL V	WORK:		A. Children Che		Charles of the second s	/ Redrill Torate new formation	1 4 3 8		261
							orate new formation		SFPon	71
11) GEOLOG	ICAL TARO	GET FOR							51 67	1983
12) Estim	ated depth o	of complete	ed well.	5	200	fe	et			
							alt,	feet. DE	IL & GAS D	Nese.
14) Appro	ximate coal	seam dep	ths:		0		coal being mined in the	e area? Yes	T./TNO	XSION
15) CASING									OIL & GAS DI	MINES
CASING OR	1	SPEC	IFICATIONS	3		FOOTAG	E INTERVALS	CEMENT FILL-UP	PACK	
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
Conductor									Kinds	
Fresh water	9 5/8	LS	33#	X		300'	300'	To Surface	By Rule	15.05
Coal									Sizes	
Intermediate	7"	J-55	The second second second second second	X		2125'	2125'	100 sks		
Production	4 1/2	ERW	10.5#	X			5200'	250 sks	Depths set	
Tubing						NSE ONT S	apitato,			
Liners									Perforations:	
		anailse	2207 016	wolln	Vms. 1	re recognition	dates of certains	edit bancar ot si G	Тор	Bottom
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The state of the s						DRILLING P				N. S.
		47 019	2202	Don		DITILLET		Decem	nber 6,	2 Mew HeW
Permit number_		47-013	3-3303-	-ken					State of the state	1983
								Dat		nonelemo.
This permit cov	ering the we	ell operato	ontained	l location	on showr	below is evidence reverse hereof	e of permission grant	ed to drill in accordangiven to the District Oi	ice with the pert	cinent legal re-
No. 8) Prior to	the construc	tion of ro	ads, locati	ons an	d pits for	any permitted wo	rk. In addition, the w	ell operator or his con		
listrict oil and g	as inspector	24 hours	before ac	tual pe	rmitted v	work has commen	ced.)			
	ork is as de	scribed in	the Notic	e and A	pplication	on, plat, and recla	mation plan, subject t	o any modifications a	nd conditions sp	pecified on the
everse hereof.		Decen	nber 6,	1985					and the same	
Permit expires		Decen	ibei o,	1000		unless w	ell work is commenced	prior to that date and	prosecuted with	due diligence.
		. /								
Bond:	Agent	:V F	Plat:	Casin	18	Fee				
7410	MX	12	2 6	THE	5	548		-11		O CLUM
13000	V / / /			-		A St. Flacker	-	11	1	
						10 To	Adm	inistrator, Office of C	il and Gas	

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

3) API Well'No 474 03





FILE COPY

OFFICE USE ONLY

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

The well work authorized by this permit shall be performed between April 15 and November 1.

Mr. Newlon's recommendations regarding the feclamation plan are to be incorporated.

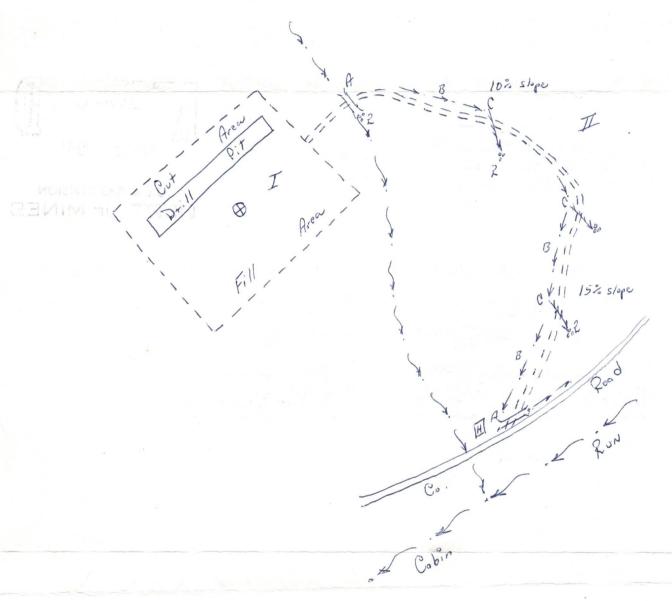
OFFICE USE ONLY This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections. Date Follow-up inspection(s) Well work started Completion of the drilling process Well Record received Well Record received Well Record received Reclamation completed Re	(See attached	memo.)			FITOMER NOTES	MAS INSPECTA	
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Well Record received Schools and a series and an ine severe hereof. A series and a series of the series and a			below is evidence of permission grante	nweda nonace	Digw.bns totago		Harriog 20
Reclamation completed but see as described in the Notice and ,, plication, pl ,, and reclamation plan subject to any modifications as described in the Notice and ,, plication, plan subject to any modification of the described with due difference and messcribed with due difference and messcribed with due difference and messcribed with subject to the described with a described wi				will no tran dias			
Reclamation completed Second work is as described in the Notice and "plication, plin, and reclamation plan while to any modifications, or an edge and most of the difference	Well Record received		ar of mired work in addition, the wa	webellicates is	nt of foods, lateraline A bours before actu		
esneghb sub-digw between the stab tail of form become decided in the stab tail of the stab							
Reason:	Reclamation completed		r. prat, and recumindousling surjects	ionsaudo,, oro			е регалис егзе ћеге
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Reason: Feet Record Reason:	wosecuted with due diffeence.						
Reason:							
Peacon					Pige		
	OTHER INSPECTIONS			Casing.			

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

Date Well No.__ API No. 4/ State STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS Empany Name Sterling Drill. & Prod. Designated Agent Charlie E. Moore Address 622 3rd Ave., NY, NY 10017 Address Rt. 1 Box 30 -Duck, WV Telephone (304) 364-5780 Telephone (212) 949-9100 Soil Cons. District Little Kanawha Landowner Revegetation to be carried out by Moore's Well Ser., C. E. Moore Agent) This plan has been reveived by Little Kanawha and additions become a part of this plan. 4-10-81 Location Access Road Structure Culverts
Spacing Min. Size /2"
Page Ref. Manual I-8 (1) (A) Structure Material Page Ref. Manual StructureDrainage Ditches (B) Structure Rip-Rap Material Rock Spacing Page Ref. Manual I-11 Page Ref. Manual Structure Cross Ditches (C) Structure APR 3 2 1981 Spacing As Needed -- 250' Material Page Ref. Manual I-6 Page Ref. Manual OIL & GAS DIVISION All structures should be inspected regularly and repaired if necessary DEPT. OF MINES Revegetation Treatment Area I Location Treatment Area II Stope Road Tons/acre or correct to pH or correct to pH 6.5 600 lbs/acre 600 lbs/acre Fertilizer (10-20-20 or equivalent) Fertilizer (10-20-20 or equivalent) 2 Tons/Acre Mulch Hay 2 Tons/Acre Mulch Hay Seed* Ky-31 Orchard Seed* Ky-31 45 lbs/acre 35 lbs/acre 15 lbs/acre 5 lbs/acre Ladino Clover Ladino Clover *Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount. Attach or photocopy section of involved Topographic map. Quadrangle Arnoldsburg Well Site Scale - 1" = 1000' Legend: - Access Road

Diversion
Spring O
Wet Spot O'
Building Drain Pipe O
Waterway C

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with first part of this plan. Include all natural drainage.



Commercial timber will be cut and stacked and 211 brush removed from road and location before grading.

Comments: Slope of well ros	ad does not exceed	Cuts to be 2:1 or less.
Seeding and mulching to be	e done within three (3)	months.
Standard Charles & 5	West Rt. 1 Box 30 -	Duck, WV 25063 364-5780

Please request landowners cooperation to protect new seeding for one growing season.

(5.7)

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 10 200			Oil or Gas Well		
Company Sterling	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS	
Address	Size				
Farm R. Minney	16			Kind of Packer	
Well No. 248	13				
District Lee County Col.	81/4			Size of	
Orilling commenced	65/8			Depth set	
Orilling completedTotal depth	5 3/16				
Date shotDepth of shot	3			Perf. top	
nitial open flow/10ths Water inInch	Liners Used			Perf. top	
pen flow after tubing/10ths Merc. inInch				Perf. bottom	
'olumeCu. Ft.	CASING CEMEN	VTED.	SIZE	No. FTDate	
ock pressurelbshrs.	NAME OF SER			No. F1Date	
bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	A T	FEETINCHES	
resh waterfeetfeet				FEETINCHES	
alt waterfeetfeet				FEETINCHES	
rillers' Names SAME FARM A L CANNOT FIND emarks:	Pront	2503	601	7	
emarks:	12 MM11	TOR 1	his he	CAYION_	
Culwet across creek a	lid not a	eany al	& The	water.	
as a result Philip H.	ickeys y	garden i	vas en	asked out.	
Os a result Philip H. mrs. Hicky called about	6:30 PM	7.23.83	; Uu	res There 7:30%	

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No.				YY 61	1 No	
COMPANY			ADDRESS			
					, -	
FARM		DISTRICT	C	OUNTY		
Filling Material Used						
Time Description						
Liner Loc	ation	Amount	Packer	Location		
B. U.G. HOED A	ND DEPTH PLACED					
		20 12 12 12 12 12 12 12 12 12 12 12 12 12	BRIDGES		G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOS
teng y gi bira						
	7				-	-
						
				1		
					-	
					1	
**					-	
						- Annual Control of the Control of t
	-					
Orillers' Names						
4.				.,		
Remarks:						and the second second
	I hereby certify I v					

IV-35 (Rev 8-81)





OIL & GAS DIVISION

DEPT. of MINSTate of West Hirginia Bepartment of Mines

Gil und Gas Bivision

Date De	cember 6,	1984
Operator	's	
Well No.	248	
Farm	Minney	
API No.	47 - 013	- 3303-REI

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 974.68' Watershed Ca	oin Run			
District: Lee County Calh		Quadrangle	≥ 7½ Arnole	dsburg
		,		
COMPANY Sterling Drilling & Production Co., Inc.		1		Cement
ADDRESS 710 Virginia St., E. Chas. WV 25301	Casing	Used in	Left	fill up
DESIGNATED AGENT Harry L. Berger, Jr.	Tubing	Drilling	in Well	Cu. ft
ADDRESS Same	Size 20-16			and take
SURFACE OWNER P. Hickey	Cond.			
ADDRESS Arnoldsburg, W 25234	13-10"			
MINERAL RIGHTS OWNER Rodney C. Minney	9 5/8	317'	317'	130 sks
ADDRESS Shock, WV 26638	8 5/8			1500 (111
DIL AND GAS INSPECTOR FOR THIS WORK Deo Mace	7	2151'	2151'	175 sks
ADDRESS Rt. 1, Bx 5, Sandridge, WV	5 1/2			
PERMIT ISSUED December 6, 1983	4 1/2		4884.7'	250 sks
DRILLING COMMENCED October 12, 1984	3			
ORILLING COMPLETED October 20, 1984	2		er er	1
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used		·	
GEOLOGICAL TARGET FORMATION Devonian Shale		Dep	th 5200	fe
Depth of completed well 4923'KB feet F	Rotary 3			
Water strata depth: Fresh 67' feet;				
Coal seam depths: None		being min		area? N
				-
OPEN FLOW DATA	_		•	_
Producing formation <u>Devonian Shale</u>				
A DESCRIPTION OF THE PROPERTY		itial open		
Final open flow 372 Mcf/d				
Time of open flow between initia				
Static rock pressure 1050 psig(surface		ment) afte	120/610/	ze zsnut
(If applicable due to multiple completion-			. 1.	
Second producing formation	- 11-	y zone dep		
Gas: Initial open flow Mcf/d			No.	Bbl
Final open flow Mcf/d	Ull: Fi	nal open f	TOM .	Bbl

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

27 holes from 3986' to 4704' 1st stage:

20 holes from 3134' to 3859' 2nd stage: 3rd stage: 18 holes from 2514' to 3015'

Treatment:

1st stage: 1000 gals. of 15% HCL; 1,196 MSCF of N2 2nd stage: 1000 gals. of 15% HCL; 1,177.5 MSCF of N2 3rd stage: 850 gals. of 15% HCL; 1,701 MSCF of N2

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all freshand salt water, coal, oil and gas
Sandstone and Shale Sandstone Shale Sandstone Sandstone Sandstone and Shale Salt Sand Shale Maxon Shale Little Lime Blue Monday Pencil Cave Big Lime Big Injun Siltstone and Shale Siltstone and Shale Siltstone and Shale Siltstone Shale Siltstone Shale Siltstone Shale Siltstone	0' 804' 908' 973' 1155' 1534' 1710' 1759' 1777' 1792' 1818' 1835' 1840' 1974' 2006' 2321' 2336' 2801' 4662' 4698' 4835'	804' 908' 973' 1155' 1534' 1710' 1759' 1777' 1792' 1818' 1835' 1840' 1974' 2006' 2321' 2336' 2801' 4662' 4698' 4835' 4904'	and salt water, coal, oil and ga All depth from 10'KB Fresh water @ 67' Salt water @ 1550' Top of Java formation @ 4495' Top of Angola shale @ 4704'

(Attach separate sheets as necessary)

Sterling Drilling and Production Co., Inc.	
Well Operator 10/06/2023	
By: Harry J. Derger h	
Date: 12-7-84	

Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ountaned in the de

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

Operator: STERLING DRILLING & PROD. CO. ILAgent; HARRY L. BERGER
Type Determination being sought - 107 (Devonian Shale)
API Well No.: 47-013-3303 Well Name: MINNEY # 248
West Virginia Office of Oil and Gas County: <u>CALHOUN</u> 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)
 GR Value at Base Line = 170 * API Units Remarks:
B. Gamma Ray Log Value at 0.7 x Value at Base Line
1 GR Value - 12 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
0.7 (GR Value at Base Line) 0.7 ($\cancel{170}$ *) = $\cancel{19}$ API Units
III. Intervals with GR index less than $0.7 \times (Value at Base Line)$:
Interval Thickness Feet-of less than*
From** To*** of Interval Feet O.7 (Shale Base Line) Feet
2300 4645 2345 35.17
Total Page 35.17
Total Devonial Interval 2345
otal Less Than 0.7 (Shale Base)
Less Than 0.7 (Shale Base Line) = 0.015 x 100 = 1.57 10/06/2023

^{*}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.

FORM IV-55WC (12-78)

STATE OF WEST VIRGINIA

Date Dec. 6, 1984

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's Well No. Minney #248

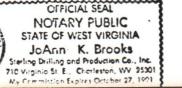
API Well No.

47 - 013 - 3303-Ren State County Permit

WELL CLASSIFICATION FORM HIGH COST GAS WELL - DEVONIAN SHALE

NGPA Sec	tion 107 .		
	DESIGNATED AGENT Harry L. Berger, Jr.		
	ADDRESS Arcade Building; 710 Virginia St., E.		
	Charleston, WV 25301		
	LOCATION Elevation 974.68'		
WELL OPERATOR Sterling Drilling & Production	on CoWatershed Cabin Run		
ADDRESS 710 Virginia Street, East	Dist. Lee County CalhourQuad. 75' Arnldb		
Charleston, WV 25301	Gas Purchase		
.GAS PURCHASER UNDEDICATED	Contract No.		
ADDRESS_	Meter Chart Code		
	Date of Contract		
* * * *	* * * *		
Date surface drilling began: October 1	12, 1984		
Indicate the bottom hole pressure of the v	well and explain how this was calculated.		
Indicate the bottom hard product of the			
DOZA DE DE X	LGS		
Bottom Hole Pressure. PSIA Pf = Pwe XX	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		
$= 60 \pm (0.0075 \times 11973) + 459.67 = 50$	$x = \frac{1}{53.34} \times \frac{557}{} = \frac{,0000337}{}$		
E = 00 + (0.0075 % -1722)	$\frac{1}{2} = \frac{1}{4} = \frac{1}$		
$Pf = 1050 \times 2.7183 ,0000337 \times 360^{\circ}$	$9 \times .690 \times 1.07 = 1/49$ PSIA		
AFI	FIDAVIT		
described in subparagraph (3)(i) or (3)(if report described in subparagraph (3)(ii)(if of potentially disqualifying non-shale for percent of the gross Devonian age interval	ge of the producing interval which is not y index of less than 0.7 if a Gamma Ray log i)(A) has been filed, or as indicated by the B); I have demonstrated that the percentage otage is equal to or less than five (5) l; and I have no knowledge of any information inconsistent with a conclusion that the well		
STATE OF WEST VIRGINIA			
COUNTY OF Kananha, TO-WIT:			
I, So Ann R Brooks, a Notar			
aforesaid, do certify that Harry L. Berge	er, Jr. whose name is signed to		
acknowledged the same before me, in my con	day of Mecentles, 19 840/06/2023		
Given under my hand and official seal this	s Cott day of December, 19 8/.		
My term of office expires on the 2) day			
OFFICIAL SEAL			

(NOTARIAL SEAL)



Notary Public

P 522 051 983

(See Reverse) Sent to PHIC HICKEY Street and No. P.O., State and ZIP Code \$ 54 Postage Certified Fee Special Delivery Fee Restricted Delivery Fee Return Receipt Showing to whom and Date Delivered Return Receipt Showing to whom, Date, and Reference of Delivery 60 PS Form 3800, Feb. 1982 5/89

Postmark or Date

SEP 27 1983

DEPT. OF MINES



OIL & GAS DIVISION
DEPT. OF MINES

Rt 2 Box 98 Minnora, WV 25263

Phone 655-8901

September 30 1983

Office of Oil and Gas Dept of Mines 1613 Washington St East Charleston, WV 25311

Dear Sir

API No. 47-013-3303 and 47-013-3536

On September 6th I wrote a formal complaint to the Little Kanawha Soil Conservation District with a copy to your office concerning site preparation work that Sterling Oil and Gas Development Co. had done on our farm in June of this year. (Specifically: the access roads were too steep, no temporary vegetative cover had been applied, and no sediment barriers constructed.) Mr Mace inspected the sites and served violation notices on the Company. He required them to start reclamation by September 26th. As of today, no reclamation work has started.

I would like to make another formal complaint on these matters and I would be grateful if you would accept this letter as such.

On 27th September we received a copy of Sterling's permit renewal applications. We most certainly will have comments to make in respect of these applications, but first I would like to point out that we did not receive all the documents that the law requires Sterling to send us. Specifically, we received no "statement of the methods and time limits for filing comments, who may file," etc. (22-4-lm c). This was missing from both applications. Am I correct in assuming that our fifteen days' notice starts from the date we receive all the documents?

Philip Hickey



Minnore, WV

Phone 955-8901

OIL & GAS DIVISION DEPT, OF MINES

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office of the and Gas belf of Mines lold washing ton St Yast Charleston, W

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API NO.8 47-915-5000 BERG 41-048-5000

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South States

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SURFACE OWNERS' COMMENTS

DECEIVE OCT 1 1983

Surface owners: Philip Hickey

Nancy Hickey

OIL & GAS DIVISION
DEPT. OF MINES

Surface owners' address: Rt 2 Box 98 Minnora WV 25263

Surface owners' phone no: (304) 655 8901

Well operator: Sterling Drilling and Production Co Inc

Well number: 248 (formerly 47-013-3303)

Location of well: County - Calhoun

District - Lee

Watershed - Cabin Run

A permit for this well was issued in December 1982. Roadworks and site preparation were started on June 16 and completed on June 22 1983. However, the drilling was never done, and the permit expired on August 28. At that time we did not know that the permit had expired and on August 30 we wrote to Mr J Davis of Sterling asking, internalia, that temporary vegetation be applied to all disturbed areas (as earthmoving had been stopped for more than two months), and that the grade on the access road be reduced to 20%. (In one place we had measured a grade of 33%.) We received no acknowledgment to this letter, so on September 6 we lodged a formal complaint with the Little Kanawha Soil Conservation District and the Office of Oil and Gas. On September 15 Mr Randall Jones, the Soil Conservation Officer. visited the site and agreed that temporary vegetation should have been applied. He also confirmed our grade measurement of 33%. On September 19 Mr D Mace, Oil and Gas Inspector, visited and posted a violation notice on the site. notice required Sterling to begin reclamation work within one week. This was 17 days ago, and reclamation has not started yet.

On September 27 we received some documents from Sterling by certified mail. These documents relate to Sterling's application for a new permit to drill. However, the documents did not include the Surface Owner's Copy of Form IV-2(B). In its stead we received a photocopy of the File Copy of Form IV-2(B) and a photocopy of Form IV-2 (the old form). This substitution may have been accidental. We phoned Sterling on September 29 and the missing form arrived here by certified mail on September 30.

On Form IV-2(B) Sterling states that the drilling contractor is "Unknown at this time". This would seem to indicate that Sterling do not intend to drill this well in the near future. Otherwise one would think that they would have the driller lined up.

SURPLICE FOR MERS! COMPENS

DECENT 1983

Sufface Owlers: Inilia Hickey

OIL & GAS DIVISION DEPT. OF MINEL

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Buffece Owners' prote no: (304) 635 3901

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Well number: 240 (formerry 4/-015-5505)

postion of well: County - Usinguin

sem - doing all

Juh night - John Hill

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Rt 2 Box 98 Minnora, WV 25263 Phone 655-8901

February 19, 1985

Ms Margaret T Hasse Petroleum Engineering Specialist Office of Oil and Gas West Virginia Department of Mines 1615 Washington Street East Charleston, WV 25311

RECEIVED)
FEB 2 0 1985

OIL & GAS DIVISION
DEPT. OF MINES

Dear Margaret

Re: API 47-013-3303 and 47-013-3536

I was mistaken on Friday when I said "OG-1". I have checked our files, and the form we received was IV-2 (which I think is the one you had in mind). It had been several months since I looked at the forms and I had confused the numbers. However, I believe that my argument is no less valid. I am writing to the Administrator asking him to look into the matter, but I would like to put our arguments to you also and would be most grateful for your reaction.

Form IV-2(B) is a six-page self-carboning form. The surface owner's copy is the <u>fifth</u> copy down, and all six pages are attached together at the top. The reverse side of the surface owner's copy gives the surface owner's "bill of rights". In the guidelines your office has prepared for applicants you specifically make the point: "to avoid problems, make certain all surface owners required to receive notice receive both front and back of the copy".

But instead, we received a completed form IV-2. The two forms do have some similarities but in fact are not at all alike:

- 1. Form IV-2(B) is blue; IV-2 is white
- 2. Form IV-2(B) is eleven inches long; IV-2 is fourteen
- 3. Form IV-2(B) has 15 line items; IV-2 has 24
- 4. The lower third of the two forms bear not the slightest resemblance to each other
- 5. The reverse of Form IV-2(B) has the "bill of rights"; Form IV-2 does not
- 6. Form IV-2(B) does not require the designated agent's signature, whereas IV-2 does

contd

Rt 2 Box 90 Minnors, WV 25265 Phone 655-8901

Feorusry 19, 1985

Ms Margaret T Hasse
Petroleum Engineering Specialist
Office of Sil and Uss
West Virginia Leparement of Mines
1615 Washington Street East
Charleston, WV
25311

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DECENTED TO

OIL & GAS BIVISION DEPT DE MINES

Re: API 4,7-013-3303 and 47-013-3230

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FORM IV-31 9-83

Date:	une	2	4,	1985	
Operator's Well Number_	m	20	nne	: 248	
API Well No.:	47	-	13	-3303	REA
	State		County	Permit	

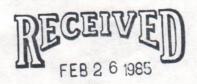
STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION

RECEIVED

NOTICE OF ABATEMENT

		OIL & GAS DIVISION
WELL TYPE:	Oil/ Gas/ Waste disposal/	DEPT. OF MINES
	If "Gas" - Production/ Storage/ Deep/ Shallow	
LOCATION:	Elevation: Watershed:	aben Klin
WELL OPERATOR		Quadrangle:
Address	그렇게 보면 보는 사람이 되었다. 이번 모든 사람이 되었다. 이번 회에 대한 사람은 생활이 없는 사람이 되었다. 그는 사람이 되었다. 그는 사람이 되었다. 그는 사람이 되었다. 그는 사람이 되었다.	Harry Beiger 1x 5
71441000	Address _	Charles 111 75301
on_ stone	eby given that the undersigned authorized oil and gas inspector made a substitution of Code § 22-4-28 heretofore found to exist on 2-23	
of Violation"	/ Form IV-28, "Imminent Danger Order"/ of that date has been tota	lly abated. If the abated violation was found by
an Imminent Dange	er Order requiring operations to cease, such requirement is hereby rescinded, and t	he well operator is hereby notified that he may
esume operations.		
COMMENTS		
Rede	amation completel at this line	là centrally
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stande	unds set forth in the soil of	ecolin manual
Specy	leially, not enough diversion	ditaks on road
which	may be required later.	
	notice has been posted at the well site and sent by certified or registered mail to	the indicated well operator or his designated
gent.		
	Wes	Mace
		Oil and Gas Inspector
	Address	
	Telephone	
	Lolonhono	





OIL & GAS DIVISION DEPT. OF MINES

Rt 2 Box 98 Minnora, WV 25263

Phone 655-8901

February 22, 1985

Mr Theodore M Streit Administrator Office of Oil and Gas West Virginia Department of Mines Charleston, WV 25305

Dear Mr Streit

Re: API 47-013-3303 and 47-013-3536

1. Today I received your letter of February 19. I am not at all satisfied with the explanations you offer.

- 2. In your second paragraph you say, "Due to various communications problems, not all the laws were enforced as well as we would like to have them enforced in this case." I would be grateful if you would let me know exactly what are the communications problems, and in what way they have prevented your office from taking the appropriate action. The sequence of events in this matter was as follows:
 - a) Mr Mace visited the site on or about October 20, 1984. He found that the pits were almost full and told the person in charge to have them emptied. (This I know because Mr Mace himself told me.) He also, presumably, noticed that no provision had been made to divert surface water from the pits as is specifically required by the regulations.
 - b) On October 22 the pits overflowed, and several thousand gallons of toxic water were spilled on our pasture in the vicinity of our water source. I complained to your office and Mr Mace instructed the operators by phone to dike the pits. At nine o'clock that evening three workmen went onto the site and raised an earth dike around the pits.
 - c) On October 23 Mr Mace visited the site and said that he could not serve a violation because he did not actually witness the overflow and that the dike was containing the pit water at that time. I pointed out that the water was seeping through the dike and that the regulations prohibited seepage of pit water. I also pointed out that no provision had been made to divert surface water from the pits. But

contd 10/06/2023



OIL & CAS DIVISION

February 22, 1985

Minnora. WV 25263

Phone 655-8901

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Mr Theodore M Streit
Administrator
Office of Oil and Gas
West Virginia Department of Mines
Charleston. WV 25305

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