FILE COPY FORM IV-2(B) JUL 26 1984

OIL & GAS DIVISION

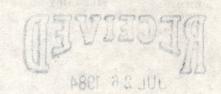


1)	Date: 2	5 Ju	1 y			_, 19_84
2)	Operator's Well No.	Bos	ermar	1 # 1		
3)	API Well No	0. 47	-	083	-	0932
		State		County		Permit

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

APPLICATION FOR A WELL WORK PERMIT

DERT	YELAM	MINE	5	as _xx	x/					
	В (	(If "Gas"	, Productio	on	XX	_/ Underground	d storage	/ Deep	/ Shallow	XXX ()
5) LOCATI	ON: El	levation:	2373			Watershed.	Rooring	mast. (M	1-1/21	
	D	istrict: R	oaring	Cree	8	County: R	andolph	Quadrangle	Junior 7	5 6/12
6) WELL O	PERATOR	FMF	0i1 &	Gas 1	ropert	ies 1755	7) DESIGNATE	D AGENT Pau	1 Borrles	
Addre	SS F.U	• DOX	430				Address	P.O. Box 1	386	
			,WV 2					Cahrleston		
	AS INSPEC			IFIED			9) DRILLING C			
Name _I	Phillip							Drilling Co	Inc	
Addre	ss For	rest F	estiva	1 Ter	race A	pt 24	Address	P.O. Box		
			26241	AVE.				Glenville	Charles of the Charle	
10) PROPOS	ED WELL	WORK:	Drill_	XXX	/ Drill	deeper	/ Redrill	/ Stimulate		
			Plug o	ff old f	ormation_	/ Perfo	rate new formation			
			Other p	physical	change in	well (specify)				
11) GEOLOG						nd				
	nated depth					feet				
13) Appr	oximate trat	a depths:	Fresh, _	80-1	20	feet; sal	t,	feet.		
14) Appr	oximate coa	l seam de	pths:	160	)	Is co	oal being mined in the	e area? Yes	/ No	VV /
15) CASING	AND TUBI	NG PRO	GRAM					•		-AA/
CASING OR TUBING TYPE		SPE	CIFICATION   Weight	S	- 1	FOOTAGE	INTERVALS	CEMENT FILL-UP	PACKE	RS
	Size	Grade	per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	TALK WE	
Conductor	11.75			X		301	30'	(0.000)	Kinds	
Fresh water			1000				30		Kinus	
Coal						3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4		Sizes	
Intermediate	8 5/8		23	X		950'	950	To Surf b	1 .	5,05
Production	45	J55	10.5	X		130	550011	475 SX	Depths set	5,05
Tubing							3300 "	or do A	eg - bu s	0. 15
Liners								the Market and the same	Perforations:	uc/sn
	100	aradas.							Тор	Bottom
		100				1 - 1684 - 1 424 - 157 - 15	81100600 100100 9	LUZQUET DE QUITO	EXECUTE: 10	Dottom
									Programme Tolking	
			4 4	11.500000						
			A STATE OF THE STA	12.000.00		FFICE USE C		40	# W. + 13561	Madfred
					DF	RILLING PE	RMIT			
Permit number_	47-	083-09	932					July 26,		now last
										19 84
This permit cove	ring the wel	l operato	r and well	location	shown bel	low is evidence of	f permission grante	Date to drill in accordant		
(0. 8) Prior to the	ct to the con	nditions c	ontained h	erein an	d on the re	verse hereof. No	tification must be give	to drill in accordan	ce with the pertin	ent legal re-
listrict oil and ga	as inspector	24 hours	before act	ns and pern	oits for any	permitted work. has commenced	In addition, the well	ven to the District Oil ll operator or his con	tractor shall notify	the proper
everse hereof.	71 K 15 U5 UCS	cribed iii	me Nonce	and Ap	plication, p	lat, and reclama	tion plan, subject to	any modifications ar	nd conditions spec	ified on the
ermit expires _	July	y 26,	1986							
						unless wen	work is commenced p	prior to that date and	prosecuted with du	e diligence.
Bond:	Agent:	D	lat.	6 .					active costs.	
000	rigent.	•	lat:	Casing	Fee					
63	V	m	141	M	1 933	3 7	$\sim$	1	1	
							1 largar	+ 1 1	011.	
							Admi	otrioton Osci	usse	
OTE: Keep on	e copy of th	nis permit	posted at	the drill	ing location	n.	//Admin	istrator, Office of Oi	and Gas	
							U			Eu.



#### OFFICE USE ONLY

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

OFFICE	LISE	ONI	Y

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

This part of Form IV-2(b) is to record	Date	Date(s)
Application received	Follow-up insp	pection(s)
Well work started	T1M510(10) 0.7 (120)	• 47€083-0932
process	re-te ad learn natherallow "Court of other 200 flow	print the same armed a flow and armed a firm of the same armed and armed arm
Well Record received  Reclamation completed	n, or sudding till grotte out of the pair conficient	is notice that were result described in the Subsected Appleads force)  ones expended. Land Value 26, 1986
OTHER INSPECTIONS		man a man a more a second
Reason:	1 January	THE HALL A GO

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

1) Date: 25 July 1984 ,19\_\_\_\_\_

2) Operator's

Well No. Boserman # 1
3) API Well No. 47 - 083 - 0932 State County Permit

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

### NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OF	MED(S) OF PECODO TO DE		WORK PERMIT	
	NER(S) OF RECORD TO BE SERVED	5(i)	COAL OPERATOR	
(1) Name N	Minnie Boserman		Address	
Address	S Star Route			
1221 3	Mabie, WV 26278	5(ii)	COAL OWNER(S) WITH DECLARATI	ON ON RECO
(ii) Name _			Name Minnie Boserman	12
Address			Address Star Route	4110
(333) 27-			Mabie WV 26278	(Year A
(iii) Name			Name	The same of the sa
Address			Address_	
		<b>5</b> / · · · · ·		
		5(111)	COAL LESSEE WITH DECLARATION	ON RECORD
			Natie	
			Address	
:	1 3 - 1 SALA	e destigations	the same of the sa	
	TO THE PERSON(S) NAMED ABOVE: You should  (1) The Application for a Well Mork P	have received thi	s Form and the following de	
	<ol> <li>The Application for a Well Work P to be plugged, which sets out the</li> </ol>	ermit on Form IV-	2(B) (or Form TV-4 is the	
	to be plugged, which sets out the and describes the well and its lo	parties involved	in the drilling or other work	
	Cementing program.		pricable, the proposed casing and	
	(2) The plat (surveyor's map) showing (3) The Construction and Reclamation)	the well locatio	n on Form IV-6; and	
	plug a well), which sets and the	Tar. On rottle 14-9	) unless the well work is only to	
	THE REACON YOU PROTECTION			
	THE REASON YOU RECEIVED THESE DOCUMENT WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" (FORM 17-2(B) OR FORM 4, DESIGNATED FOR YOU	S IS THAT YOU HAY	E RIGHTS REGARDING THE APPLICATION	
	(FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU ACTION AT ALL.	HOWEVER, YOU	DE OF THE COPY OF THE APPLICATION	
	Take notice that and a			
	Take notice that under Chapter 22 of t erator proposes to file or has filed this N for a Well Work Permit with the Administrat	he West Virginia	Code, the undersigned well op-	
	Department of Mines with the Administrat	or of the Office	of Oil and Case Wash Tri	
	by hand to the person(s) named above (or by before the day of mailing or delivery to the		ertain circumstances) on or	[
	6) EXTRACTION RIGHTS	Administrator.	m_	
			<b>च</b>	( Zn)
	Check and provide one of the following:  Included is the lease or leases or other		<b>→</b>	5 0
	Included is the lease or leases or oth I hold the right to extract oil or	gas.	tract or contracts by which	7
	100 100 100 100 100 100 100 100 100 100	through (4). (See	reverse side for specifics.)	26
	Is the right to			
	Is the right to extract, produce or marke or other contract or contracts providing	t the oil or gas	based upon a lease or leases	198
	or other contract or contracts providing for compensation to the owner of the oil of to the volume of oil or gas so extracted,	r gas in place wh	alty or any similar provision	
	of of of gas so extracted,	produced or mark	eted? Yes Wester	[77]
	If the answer above is No, nothing you may use Affidavit Form IV-60.	additional is ne	eded If the transition	
			6,	
	See the reverse side for line item in the required copies of the Notice and	Structions		
	the required copies of the Notice and Reclamation Plan.	Application, pla	or instructions concerning	
The truth of	the information on the	, ,	o, and construction and	
Notice and Ar	plication is verified	WELL		
and sworn to	and the Notice is	OPERATO	KMF Oil &Gas Properties	
signed on beh	alf of the Well Operator			
in my County	and State by	By	Mark P. Smith	
Mark	P Smythe	Its	Land Mand	
this25 day of	In lar	Addre	ss P.O. Box 458	
	, 19 04.		Belington WV 26250	
	ion expires 4/10, 19 90.	Telep	hone 823 3242	1
Notare Del	Must sell			
Notary Publ State of				
Deace of	WEST VIRGINIA		12/0	01/2023
			12/0	/ <del> </del>



1) Date:	July		_, 19 84
2) Operator's Well No.	Boserman	# 1	-0021
3) API Well No.	47	083	0131
	State	County	Dormit

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

4) WELL TY	PE. A	Dil	/ 60		. ,				
i) WEEL II				district.		Underground	storage	/ Deen	_/ Shallow/)
5) LOCATIO					XX		Soaring C		
o, Locitio			in all al				THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	And the fact that	Junior 7.5
6) WELL OP	FRATOR	Me Me	aring	irea		county.		AGENT	
Address		Box		as P	roperti	es ·	Address	76 方法 5点 4b	Bowles 86
7 Iddi Co.				350			Addicas		WV 25325
8) OIL & GA		47					0) DRILLING CO		9WV 23323
			DE NOTH				9) DRILLING CO		
Address					race An	- 2/			nc
Address			26241			<del>E /</del> 4	Address		29
									WV 26351
10) PROPOSE	ED WELL	WORK:						/ Stimulate	
							ate new formation		
			Other pl	ysical o	change in w	ell (specify)			
11) GEOLOGI	ICAL TAR	GET FOR	MATION,	_fa:	x san	d		931	
12) Estima	ated depth	of complet	ted well, _	5500	) 1	feet			
13) Appro							,		
				160	)	Is co	al being mined in the	area? Yes	/ No
(5) CASING A	AND TUBI	NG PRO	GRAM						
CASING OR	1	SPEC	CIFICATIONS		- 11	FOOTAGE I	NTERVALS	CEMENT FILL-UP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor	11.75			y		301	301		Kinds
Fresh water				47			30'		
Coal									Sizes
Intermediate	8 5/	2 755	23	12		0554		m n e	Diecs
Production	43	J55	10.5	X		9501	950	To Surf	Double and
Tubing	773	333	100	A			5500*		Depths set
Liners									Perforation
									Perforations:
									Top Bottom
			1					11	1
	are require of this Ap	The followho has r	l operator, e by Code § by the Depa	coal ow 22-4-3 n artment must b	oner(s), and must be filed to completed to under C	coal lessee are h	tment of Mines with	LESSEE  any objection they wis in fifteen (15) days aft  oal owner or coal less ssued within fifteen (1	er the receipt
xamined this pro	oposed wel no objection	l location. on to the w	If a mine r	nap exis	sts which co	vers the area of is location, prov	the well location, the	well location has bee	oal under this well location hat added to the mine map. The all applicable requirements of
Date:			, 19			В	у		
	Tenders.								
						I	s		(A. C. )

IV-9 (Rev 8-81)

COMPANY NAME FMF OIL & GAS PROPERTIES

Address POBox 458



WELL NO. BOSERMAN # /

### State of Mesi Birginia Bepartment of Mines

API NO. 647 - 083 -0932

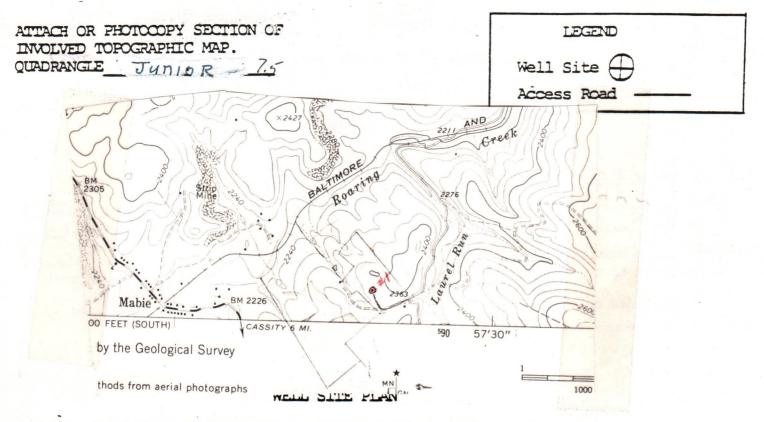
DESIGNATED AGENT PAUL BOWLES

Address POBox 1386

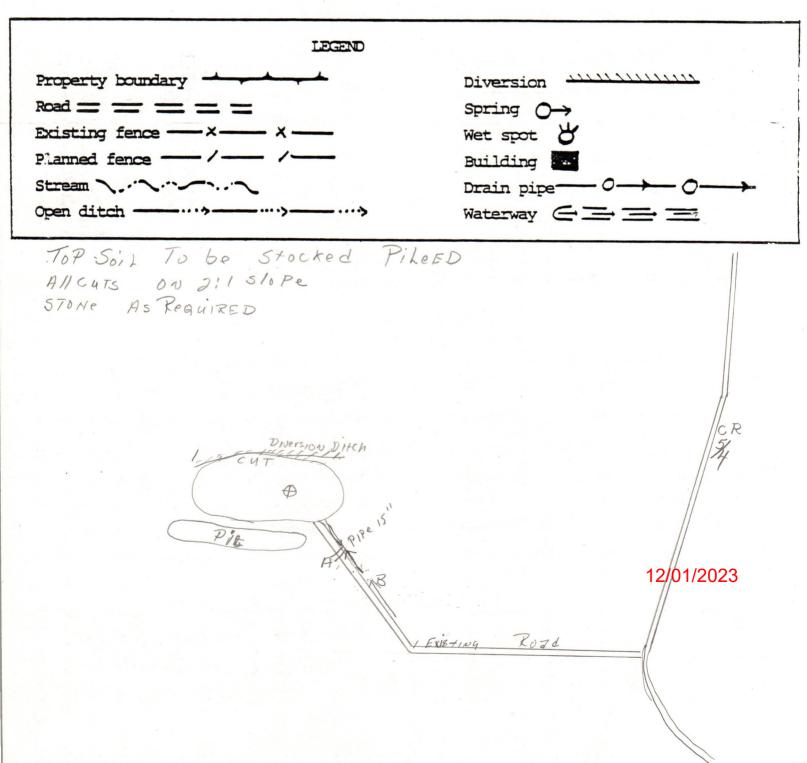
## wieinis es din lit

CONSTRUCTION	AND	RECLAMATION	PLAN
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Telephone Balington WV 2675	0	Telephone Charleston WIV 25325
LANDOWNER MINNIE BOSERMAN		SOIL CONS. DISTRICT TYGART VALLEY
Revegetation to be carried out by	UNI	KNOWN (Agent)
This plan has been reviewed by	y ant	Valley SO. All corrections
and additions become a part of this pla	7	7/25/89/
		(Date)
	Ill	mon Aldreak
	0	(SCD Agent)
ACCESS ROAD		LOCATION
Structure Pipe 15"	(A)	Structure Diversion Ditch (1)
Spacing .		Material EARTHEN
Page Ref. Manual 4.0 Pg 2-7		Page Ref. Manual 2-/2
Structure DRAINAGE DitCH	(B)	Structure (2)
Spacing PARAFLL		Material To Trans
Page Ref. Manual 2-12		Page Ref. Manual
Structure	(C)	Structure 3
Spacing		Material 48
Page Ref. Manual		Page Ref. Manual
All structures should be inspected commercial timber is to be cut and st cut and removed from the site before	acked and	all brush and small timber to be begins.
Treatment Area I		Treatment Area II
Lime Tons/acre or correct to pH 6.5		Lime 3 Tons/acre
Fertilizer 600 lbs/acre		or correct to pH 6,5
(10-20-20 or equivalent)		Fertilizer 600 lbs/acre (10-20-20 or equivalent)
Mulch Hay 7 Tons/acre	1	Mulch Hay 2 Tons/acre
Seed* BRCHARD GRASS /2 lbs/acre		Seed* ORCHard Crass /2 lbs/acre
Time+Hy 6 lbs/acre		Timothy 6 lbs/acre
Clover 3 lbs/acre		Clover 3 lbs/acre
*Inoculate all legumes such as vetch, Inoculate with 3% recommended amount.		12/01/2023
	FLAN PREPA	ARED BY har Wilt
COTES: Please request landowners!	, -	
		DRESS 1-07 Drilling O INC
seedling for one growing season.		POBOX 129 Clowwillo WI)
seedling for one growing season. Attach separate sheets as necessary for comments.	FHO	POBOX1296/oNVIlle WU VE NO. 402 7353



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



#### SURFACE OWNER'S COPY



1)	Date: 25	July		_, 19_84
2)	Operator's Well No.	TOATEUR.	. 41	(G)RATE TO OTHER
3)	API Well No.	47	093	
-,		State	County	Permit

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

4) WELL TY	PE: A O	iil	/ G	as	,				
., TEEL III			Productio	AA	A James	/ Underground	storage	/ Deep	_/ Shallow/)
5) LOCATIO	N: Ele	evation: _	2272	TIME	AA	Watershed:	Sourtes C	Andr.	AAA
		strict:	arino	Crae		County:	andolph	Quadrangle:	Junior 7.5
6) WELL OP		FMF	11 6	Jas	Proper	ties de salad	7) DESIGNATED	AGENT Paul	Bowles
Address	P.O.	Box 4	158				Address	P.O. Box 136	16
8) OIL & GA	S INSPEC	TOR TO	BE NOTI	FIED	4 10 20 70 70	ATTO DE CHARLOSSE	9) DRILLING CO	NTRACTOR:	WV 25325
Name		TOR TO	DE MOTI			shadin \$5 to 1660	Name	-4114 C- T-	A Charged See Calabara
Address	the season and the	act D	01/100	1 70		Ant 24	Address	P.O. Por 12	10
	Elkt	ns WV	26241		C IN THE REPORT	- 10 sees		Gåånville.	WV 26351
10) PROPOSE	D WELL	WORK:	Drill	CXX	_/ Dril	deeper	/ Redrill	/ Stimulate	
			Plug of	ff old	formatio	n/ Perfo	rate new formation_	are saw yet at antique	
			Other p	hysical	change i	n well (specify)	making syani	wareling signed but	SERVICE SERVIC
11) GEOLOGI									
				THE RESERVE		fee			
							t,	feet.	/ No
14) Appro				1.5	9	IS C	oal being mined in the	area? Yes	/ No/
CASING OR	II		IFICATION:			ll FOOTAGE	INTERVALS	II CEMENT FILL-UP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	ANNUAL ASS WARE AND ASSAULT
Conductor	44 75	Grade	and the con-	THE STATE OF THE S	Useu	Tor urining	S DOE SORRY AND THE ROLL	Cubic reety	Kinds
Fresh water	14013			Ä		301	301		Killud
Coal				Sept.		ranga ert steen			Sizes
Intermediate	8 5/1	155	23	10	rego da	9501	and average of the same	To Surf	The again subdeplet suchs
Production	43	J55	10.5	X	éauar a	Mara Thirther sily o	5500#	Light bent with us u	Depths set
Tubing							3300		
Liners									Perforations:
								410000000000	Top Bettom
Trace Long N. Bush		and the second of	CONTRACTOR OF THE PARTY OF THE		A	No. of the last one of the state of		П	
								m .	(Carl)
								710	2 4 0
	The l	aw require	es a comm	ent per	iod for si	urface owners. How	vever, the permit can	be issued in less than	18 days from
	the filing of	of the App	lication if	the sur	face own	er(s) of record sign(	s) the following "Volu		
	on a facsi	mile of th	is surface	owner'	s copy of	f the Application.		Segment visities of	5
				vo	LUNTA	RY STATEMENT	OF NO OBJECTION	Michigan affer more	DI 188
								<u> </u>	A FAR
									ernin, and that I have received
							or proposed well wor		form IV-2(B), (3) a survey plat
	Market and the second second second								it being issued based on those
materials.									
(For execution b	v corporat	ion partn	archin at	. ,		Œ	or avacution by noture	l parcons)	
(For execution b	y corporat	ion, partn	ersnip, etc	<u></u> )		<u>(Fo</u>	or execution by natura	ii persons)	
NAME:						v	Minnie	Bosen	nan Data:
Rv						^	(8	ignature)	Date:
673	V				7	333			Date:
Its					Date		(S	lignature)	Duic.



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

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

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

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

Where to file comments and obtain additional information:

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

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

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

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

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

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

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

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

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

# PARTIAL ASSIGNMENT OF OIL AND GAS LEASE

STATE OF WEST VIRGINIA

KNOW ALL MEN BY THESE PRESENTS:

950

COUNTY OF BARBOUR

THIS ASSIGNMENT, Made on this 9th day of September, 1984, by and between FMF OIL & GAS PROPERTIES, INC., a West Virginia corporation, hereinafter referred to as "Assignor", and ALAMCO hereinafter referred to as "Assignee".

WITNESSETH: That for and in consideration of the sum of ONE DOLLAR (1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby bargain, sell, assign, transfer, and convey, subject to the provisions hereinafter set out, without warranty of title, either express or implied, unto the Assignee, all of the Assignor's right, title and interest in and to the oil and gas rights in a 750 foot radius around the oil and gas wells drilled upon the oil, gas and mineral leases described in Exhibit A, attached hereto and made a part hereof.

Said assignment is subject to the following terms, conditions, and covenants:

Assignor does hereby except from this partial assignment, and reserve unto the Assignor, its assigns and successors, the following:

- (a) An overriding royalty, free and clear from all costs and expenses of 4.5% of 8/8 of the oil, gas and hydrocarbons produced from the interest in the leases hereby assigned, which is reserved unto Assignor.
- (b) An overriding royalty, free and clear from all costs and expenses of 1% of 8/8 of the oil, gas and hydrocarbons produced from the interest in the leases hereby assigned, which is reserved unto Fox Drilling Company.
- (c) All of Assignor's right, title and interest in and to the leases described in Exhibit A hereto, insofar as the leases cover or concern areas outside of the 750 foot radius around the well drilled thereon, and assigned hereby.

It is understood that this assignment is a conveyance of 100% of the Working Interest which covers and includes an undivided 82% of 8/8ths Net Revenue Interest in production from the oil, gas and mineral interests described herein.

Assignee agrees to indemnify Assignor, its successors, personal representatives, and assigns against any and all 12/01/2023 resulting from any breach of any of the terms, covenants, and conditions of said lease agreements described herein. Assignee further agrees to indemnify Assignor against all liabilities, actions, or claims of any nature, absolute, or contingent, together with the expenses and legal fees resulting from such breach or which may be incurred to compromise or defend such liability, actions, or claims of any nature, absolute or contingent, as they relate to said lease acreage.

BY: Director - Diveron of Gil and Gas

47-083-0934 47-083-0880 47-083-0880 47-083-0881 47-083-0881	Pastine #1 Currence Bucklew #1  Boserman #1	Operator's Well Number A - 1018 A - 1595 A - 1596 A - 1597 A - 11021

OR TREASURE	5 01	TICE C	JE UN		TREASU	JRER'S	OFFIC	E			FOR TREA	SURER'S OFFICE U
					STATE OF	WEST V	/IRGI	NIA				
1 King 21	Hit H	O Adi	1137	1 4 a D Schotter	Meste e esta	160		***				
west was	ate Rece		PSD 3 1	1	NO			1.1	[*] [* <del>*</del>	1 1331 h	G W	THE PROPERTY
				Dept. Min	A) es-0il & G	gency Use as Div				ſ		(Date Posted)
NAME OF SPEN	Thar 1	* * :		m my ei di Kang de	own posts	205	5 1011	ando			Aug.	ust 29, 1984
PREPARED BY:				relied for their	EA.	1.	-		AIEPR	EPARI	ED	
,				COMMENTS	(S.	ECTION A		PE				1.25.52
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IV-35 OIL OIL (Rev 8-81) DEP .. VE WINNES



# STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Date	October 16, 1984
Operat	cor's
Well N	NoA-1621
Farm	Boserman
ADT No	17 - 083 - 0932

## OIL and GAS DIVISION

WELL OPERATOR'S REPORT OF

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

Depth of completed well 5221 feet Rotary x / Cable Tools Water Strata depth: Fresh 58 feet Salt feet Coal seam depth: None listed Is coal being mined in this area?  OPEN FLOW DATA lst Elk, Alexander, Benson, Producing formation Riley, Balltown Pay zone depth See Back feet Gas: Initial open flow No Show Mcf/d Oil: Initial open flow Bb.  Time of open flow between initial and final tests 4 hours  Static rock pressure 800 psig (surface measurement after 180 hours shut-in (If applicable due to multiple completion—)  Second producing formation Pay zone depth 12/01/2023eet  Gas: Initial open flow Mcf/d Oil: Initial open flow Bb.  Final open flow Mcf/d Final open flow Bb.  Final open flow Mcf/d Final open flow Bb.	LOCATION: Elevation: 2373'	Wate	ershed Roas	ring Creel	K
537 Springwale Road ADDRESS Great Falls, VA 22066  ADDRESS Belington, WW 26250  SURFACE OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WW 26278  MINNERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WW 26278  MINNERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WW 26278  OIL AND GAS INSPECTOR FOR THIS WORK Philip Forest Pestival Terrace  Tracy ADDRESS Apt. #24, Elkins, WW 26241  DEFINITION COMMENCED August 2, 1984  DEFILIANG COMMENCED August 2, 1984  DEFILIANG COMPLETED August 7, 1984  IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REBWORKING, VERBAL PERMISSION OBTAINED ON  GEOLOGICAL TARGET FORMATION Fox Sand  Depth of completed well 5221 feet Rotary x / Cable Tools water Strata depth: None listed Is coal being mined in this area?  DEPTH 5500' FEE  Coal seam depth: None listed Is coal being mined in this area?  Producing formation Riley, Balltown Pay zone depth See Back for Static rock pressure 800 pesi ( surface measurement after 160 hours shut-in (If applicable due to multiple completion—)  Second producing formation Pay zone depth 12/01/202 depth Final open flow Bbi Final open flow Bb	District: <u>koaring Creek</u> Cour	rty: Randol	pn Qua	adrangle:	Junior 7.5'
537 Springwale Road ADDRESS Great Falls, VA 22066  ADDRESS Belington, WW 26250  SURFACE OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WW 26278  MINNERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WW 26278  MINNERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WW 26278  OIL AND GAS INSPECTOR FOR THIS WORK Philip Forest Pestival Terrace  Tracy ADDRESS Apt. #24, Elkins, WW 26241  DEFINITION COMMENCED August 2, 1984  DEFILIANG COMMENCED August 2, 1984  DEFILIANG COMPLETED August 7, 1984  IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REBWORKING, VERBAL PERMISSION OBTAINED ON  GEOLOGICAL TARGET FORMATION Fox Sand  Depth of completed well 5221 feet Rotary x / Cable Tools water Strata depth: None listed Is coal being mined in this area?  DEPTH 5500' FEE  Coal seam depth: None listed Is coal being mined in this area?  Producing formation Riley, Balltown Pay zone depth See Back for Static rock pressure 800 pesi ( surface measurement after 160 hours shut-in (If applicable due to multiple completion—)  Second producing formation Pay zone depth 12/01/202 depth Final open flow Bbi Final open flow Bb	Aport IIs to achterical actoring. Russ for	A. T. Ban	307 130	s 90 a va	SOLD TO THE
ADDRESS Great Falls, VA 22066  DESIGNATED AGENT Mark P. Smythe P.O. 80x 458  ADDRESS Elington, WV 26250  SURFACE OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278  MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278  MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278  MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278  MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278  MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278  MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278  MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278  MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278  MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278  MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278   MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278   MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278   MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278   MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278    MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278    MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278					
P.O. Box 458 Belington, WW 26250  SURFACE OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WW 26278  MINIERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WW 26278  OIL AND GAS INSPECTOR FOR THIS WORK Philip Forest Festival Terrace  Tracy ADDRESS Apt. #24, Elkins, WW 26241  PERMIT ISSUED July 26, 1984  ORILLING COMMENCED August 2, 1984  DEFILLING COMMENCED August 7, 1984  IF APPLICABLE: PLUGSING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REMORKING. VERBAL PERMISSION OBTAINED  DON  BEOLOGICAL TARGET FORMATION Fox Sand DEPTH 5500'  Depth of completed well 5221 feet Rotary x / Cable Tools  Remorking. Verbal Permission obtained  Depth of completed well 5221 feet Rotary x / Cable Tools  Foal seam depth: None listed Is coal being mined in this area?  DEPEN FLOW DATA Ist Elk, Alexander, Benson,  Producing formation Riley, Balltown Pay zone depth See Back for Gas: Initial open flow No Show Mcf/d Final open flow Bb.  Final open flow 119 Mcf/d Final open flow Bb.  Static rock pressure 800 psig ( surface measurement after 180 hours shut-in (If applicable due to multiple completion—)  Second producing formation Pay zone depth 12/01/202@ec  Pay zone depth 12/01/202@ec  Pay zone depth 12/01/202@ec  Pay zone depth Pinal open flow Bb.  Final open flow Mcf/d Final open flow Bb.  Final open flow Bb.	ADDRESS Great Falls, VA 22066		Used in	Left	
ADDRESS Belington, WW 26250  SURFACE OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WW 26278  MINNERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WW 26278  MINNERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WW 26278  OIL AND GAS INSPECTOR FOR THIS WORR Philip Forest Festival Terrace Tracy ADDRESS Apt. #24, Elkins, WW 26241  PERMIT ISSUED July 26, 1984  DRILLING COMMENCED August 2, 1984  DRILLING COMMENCED August 7, 1984  DRILLING COMPLETED AUGUST 7, 1984  DRILLING COMPL	DESIGNATED AGENT Mark P. Smythe		Drilling	in Well	Cu. Ft.
ADDRESS Star Route, Mabie, WV 26278  MINIERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278  ADDRESS Star Route, Mabie, WV 26278  ADDRESS Star Route, Mabie, WV 26278  OIL AND GAS INSPECTOR FOR THIS WORK Philip Forest Festival Terrace Tracy ADDRESS Apt. #24, Elkins, WV 26241  PERMIT ISSUED July 26, 1984  ORILLING COMMENCED August 2, 1984  ORILLING COMMENCED August 7, 1984  ITH APPLICABLE: PIUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED  DEPTH OF COMPLETED SEED SEED SEED SEED SEED SEED SEED		20-16	31		
### ADDRESS   Star Route, Mabie, WV 26278   9 5/8"   1032'   to surface   ### ADDRESS   Star Route, Mabie, WV 26278   8 5/8"   1032'   to surface   ### ADDRESS   Star Route, Mabie, WV 26278   8 5/8"   1032'   to surface   ### ADDRESS   Star Route, Mabie, WV 26278   7"   5 1/2"   5 1/2"   5 1/2"   5 1/2"   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1700'   ### ADDRESS   Apt. #24, Elkins, WV 26241   4 1/2"   4987'   4987'   1002'   400'	SURFACE OWNER Minnie Boserman		701		A BEE
MINERAL RIGHTS OWNER Minnie Boserman  ADDRESS Star Route, Mabie, WV 26278  OIL AND GAS INSPECTOR FOR THIS WORK Philip Forest Festival Terrace Tracy ADDRESS Apt. #24, Elkins, WV 26241  Tracy ADDRESS Apt. #24, Elkins, WV 26241  DRILLING COMMENCED July 26, 1984  DRILLING COMMENCED August 2, 1984  DRILLING COMPLETED August 7, 1984  DRILLING COMPLETED August 7, 1984  DRILLING COMPLETED AUGUST OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON  GEOLOGICAL TARGET FORMATION Fox Sand DEPTH 5500' FEI  Water Strata depth: Fresh 58 feet Salt feet Coal seam depth: None listed Is coal being mined in this area?  PERMIT ISSUED July 26, 1984  DRILLING COMPLETED August 7, 1984  IN ADDRESS APT. #24, Elkins, WV 26241  A 1/2" 4987' 4987' 1700'  Liners used  DEPTH 5500' FEI  Water Strata depth: Fresh 58 feet Salt feet Coal seam depth: None listed Is coal being mined in this area?  DEPTH 5500' FEI  Water Strata depth: None listed Is coal being mined in this area?  DEPTH FIGURE OF THE STRAIN OF THE STR	ADDRESS Star Route, Mabie, WV 26278		10'	Pulled	2000000
ADDRESS Star Route, Mabie, WV 26278  OIL AND GAS INSPECTOR FOR THIS WORK Philip Forest Festival Terrace Tracy ADDRESS Apt. #24, Elkins, WV 26241  DERILLING COMMENCED July 26, 1984  DERILLING COMMENCED August 2, 1984  DERILLING COMPLETED AUGUST 7, 1984  DERIMORKING. VERBAL PERMISSION OBTAINED  DEPTH 5500' FEI  Mater Strata depth: Fresh 58 feet Salt feet Coal seam depth: None listed Is coal being mined in this area?  DEPH FLOW DATA lst Elk, Alexander, Benson, Producing formation Riley, Balltown Pay zone depth See Back feet Gas: Initial open flow No Show Mcf/d Oil: Initial open flow Bb. Final open flow 119 Mcf/d Final open flow Bb.  Static rock pressure 800 psig ( surface measurement after 180 hours shut-in (If applicable due to multiple completion—) Second producing formation Pay zone depth 12/01/2023ec Gas: Initial open flow Mcf/d Oil: Initial open flow Bb. Final open flow Mcf/d Oil: Initial open flow Bb. Final open flow Mcf/d Oil: Initial open flow Bb. Final open flow Mcf/d Oil: Initial open flow Bb. Final open flow Mcf/d Oil: Initial open flow Bb. Final open flow Mcf/d Oil: Initial open flow Bb. Final open flow Mcf/d Oil: Initial open flow Bb. Final open flow Mcf/d Oil: Initial open flow Bb. Final open flow Mcf/d Oil: Initial open flow Bb. Final open flow Mcf/d Oil: Initial open flow Bb. Final open flow Mcf/d Oil: Initial open flow Bb.	MINERAL RIGHTS OWNER Minnie Boserman		1032'	1032'	to surface
OIL AND GAS INSPECTOR FOR THIS WORK Philip Forest Festival Terrace Tracy ADDRESS Apt. #24, Elkins, W 26241  PERMIT ISSUED July 26, 1984  DRILLING COMMENCED August 2, 1984  DRILLING COMMENCED August 7, 1984  DRILLING COMPLETED August 7, 1984  2  DRILLING COMPLETED August 7, 1984  1 1/2" 4987' 498	ADDRESS Star Route, Mabie, WV 26278				
Tracy ADDRESS Apt. #24, Elkins, W 26241  PERMIT ISSUED July 26, 1984  DRILLING COMMENCED August 2, 1984  DRILLING COMPLETED August 7, 1984  IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REMORKING. VERBAL PERMISSION OBTAINED ON  GEOLOGICAL TARGET FORMATION Fox Sand DEPTH 5500'  Depth of completed well 5221 feet Rotary x / Cable Tools feet Salt feet Coal seam depth: None listed Is coal being mined in this area?  OPEN FLOW DATA lst Elk, Alexander, Benson, Producing formation Riley, Balltown Pay zone depth See Back for Gas: Initial open flow No Show Mof/d Oil: Initial open flow Bb: Final open flow District Time of open flow between initial and final tests 4 hours Static rock pressure 800 psig ( surface measurement after 1800 hours shut-in (If applicable due to multiple completion—)  Second producing formation Pay zone depth Bb: Final open flow Bb: Final open flow Mof/d Oil: Initial open flow Bb: Final open flow Final open flow Bb: Final op					
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Final open flow Mcf/d Final open flow Bb	Second producing formation		Pay zor	ne depth	12/01/202 <sub>€e∈</sub>
	Gas: Initial open flowMcf/d	Oil:	Initial oper	flow	Bbl
Time of open flow between initial and final tests hours	Final open flow Mcf/d		Final open f	low_	Bb1
	Static rock pressurepsig (surface m	easurement)	after	hours s	shut-in

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

August 15, 1984 Well was fractured

Perforations: 2744 - 2757 Balltown 4078 - 4081 4857 - 4860 4114 - 4116 4868 - 4869

3508 - 3511 3519 - 3522 3654 - 3656 3722 - 3724 Benson-Riley 4209 - 4212 4233 - 4236 Alexander 4882 - 4884 4902 - 4894 lst Elk

#### WELL LOG

Sand & Shale Little Lime Sand & Shale Little Lime Sand & Shale Little Lime Sand & Shale Liztle Lime Sand & Shale Sand	FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all freshand salt water, coal, oil and gas
Gantz 1579' Gordon Stray 1818' Gordon 1952' 4th Sand 1988' 4th A Sand 2100' 5th Sand 2126' Bayard 2240' Speechley 2322'	Little Lime Sand & Shale Big Lime Big Injun Sand & Shale Red Rock & Shale	51 1260 1278 1336 1480 1579 1875	1260 1278 1336 1480 1579 1875 2020	Gas check @ 1489' No show Gas check @ 1614' No show Gas check @ 1835' No show Gas check @ 2116' No show Gas check @ 2682' No show Gas check @ 3462' No show Gas check @ 3586' No show Gas check @ 4118' No show
Riley 3502' Benson 3650' Alexander 4070' lst Elk 4855' 2nd Elk 4940' 3rd Elk 5029'				Gantz 1579' Gordon Stray 1818' Gordon 1952' 4th Sand 1988' 4th A Sand 2100' 5th Sand 2126' Bayard 2240' Speechley 2322' Balltown 2732' Riley 3502' Benson 3650' Alexander 4070' 1st Elk 4855' 2nd Elk 4940'

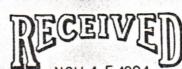
(Attach separate sheets as necessary)

ALAMCO	, INC., 200 W. MAIN ST., CLARKSBURG, WV 26301	
Well or		
By: Dr	uce G. Prather	
Date:	October 16, 1984	

12/01/2023

Regulation 2.02 (i) provides as follows
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."





State of West Birginia

NOV 1 5 1984

Bepartment of Mines OIL & GAS DIVISION Wil and Gas Biuisio DEPT. OF MINES

Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT November 8, 1984

3	COMPANY FMF Oil & Gas Properties	ember 8, 1984 PERMIT NO 083-0932
<i>\</i>	537 Springvale Road	FARM & WELL NO Minnie Boserman #1
*	Great Falls, Virginia 22066	DIST. & COUNTY Roaring Creek/Randolph
Maj'l	RULE DESCRIPTION 262	IN COMPLIANCE YES NO
	23.06 Notification Prior to Start 25.04 Prepared before Drilling to 16.01 High-Pressure Drilling 16.01 Required Permits at Wellsit 15.03 Adequate Fresh Water Casing 15.02 Adequate Coal Casing 15.04 Adequate Production Casing 15.05 Cement Type 23.02 Maintained Access Roads 15.01 Necessary Equipment to Prev 123.04 Reclaimed Drilling Pits 123.05 No Surface or Underground Pits 16.01 Well Records on Site 16.02 Well Records Filed 16.02 Identification Markings	ent Waste
	I HAVE INSPECTED THE ABOVE CAPTIONED	WELL AND RECOMMEND THAT IT BE RELEASED:
		SIGNED Phillip Sweet
3		DATE 11-13-84
;	Your well record was received and received the Chapter 22, Article 4, Section 2 coverage for the life of the well.	clamation requirements approved. In accordance to the above well will remain under bond Administrator-Oil & Gas Division
		January 11, 1985

DATE

