send permit to - attention:



1)	Date:_	October 2	4	, 19_	83
2)	Omanat		T 11		

2) Operator's L.M. LaFollette etal No. Well No. Serial No. 099641

039 - 3991 3) API Well No. State County Permit

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

", ", ", ", ", ", ", ", ", ", ", ", ", "	В	(If "Gas"	, Productio	on	X	/ Underground	d storage	/ Deep	/ Shallow X /)
5) LOCATION	ON: E	levation:	1132	. 8		Watershed:	Coal Fork	of Cabin Cree	ek Shanow/)
					C			Quadrangle:	Eskdale
6) WELL O	PERATOR	_Ash]	Land Ex	xplor	ation,	Inc.	7) DESIGNAT	ED AGENT Form	
Addres	SS		Box 3	DATE OF STREET			Address	P.O.	Box 156
9) OH 6 C	- C DICPE		Land, k		1114	 -			iton, WV 24818
8) OIL & GA	Jerry			FIED				CONTRACTOR:	
Addres		ox 58	DIIID						Drilling Company
ridures			WV 2	5111			Address		ngton St., East
D) PROPOSI					_/ Drill			Charleston	
	JO WEEL	WORK.				deeper	rate new formation	/ Stimulate	X PREMIVE
			Other r	hysical	change in w	vell (specify)	rate new formatio	on/	A COOL
) GEOLOG	ICAL TAR	GET FOR	RMATION	M	arcellu	s Shale			
12) Estim						feet			OCT 2.6 1983
13) Appro	ximate tra	ta depths:	Fresh, _		300		top of salt sand	feet.	UCT 26 1983
14) Appro	ximate coa	l seam der	oths:		490'		oal being mined in th		/ N V
) CASING A	AND TUBI	NG PRO	GRAM					icurca: Tes	OIL & GAS DIVIS
CASING OR UBING TYPE		SPEC	Weight	3	- 11	FOOTAGE I	INTERVALS	CEMENT FILL-UP	I DEPACKERS OF M
	Size	Grade	per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	DETACKERS 2
nductor	16	H-40	65.0	X		40	40	20 sks	Kinds
sh water	11 3/4	H-40	42.0	X		300	300	125 sks	176
ermediate	0 5/0	77 55	01.					I S S S S S	Sizes
duction		K-55	- C 100 - 200	X	1000	1625	1625	313 sks	1
ing	4 1/4	K-35	10.5	X		5778	5778	As Needed	Depths set
ers						MADE TELL A	a from		
									Perforations:
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	nieri								
							5.83		
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						LLING PER			
nit number		+7-039-	-3991					Nove	ember 15, 1, 83
							<u></u>		19
permit coveri	ng the wel	l operator	and well	ocation	shown belo	w is evidence of	°	Date	ce with the pertinent legal re-
ments subject	to the cor	ditions co	ntained he	rein an	d on the reve	erse hereof. Not	ification must be di	d to drill in accordance	and Gas Inspector, (Refer to
ict oil and gas	inspector	24 hours l	ds, location	ns and	pits for any p	permitted work. has commenced.	In addition, the we	ell operator or his cont	and Gas Inspector, (Refer to tractor shall notify the proper
permitted wor	k is as des	cribed in t	ha Nation	ai peri	mitted work i	nas commenced.)		motify the proper
se hereof.	x 15 a5 ucs	ribed iii t	ne Notice	and Ap	plication, pla	it, and reclamati	ion plan, subject to	any modifications an	nd conditions specified on the
it expires	Nove	mber 1	5, 198	35					
						unicss well w	ork is commenced j	prior to that date and p	prosecuted with due diligence.
	Agent;	Pla	ato I	Casing	F-				
ond:	- 151	1	/	Castrig	Fee	A Comment of the Control			
ET BON		1	5/1	1		"			
CT DOM:	lo	11-	SA	0	688	8	100	11	L stresses S
CT DOM:	lo	11-	SA	0	688		11	Al	• ~10965 S





	DIFICATIONS	AND CONDITI						
			ONS (IF AN	Y) TO THE	PROPOSEI	D WELL W	ORK	4)
			Underground					
						District:	HOTENDOS	
	Quadranele:	ISLIVAÇÃÃ					VELTO FIEW	
		7) IDESIGNATED				0.9	Address	
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							Address	
		Address				SEGDIT.	DEVIA NOTE	
Elica Villagi						FI WORK	v 64209089	
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					CIPTE ATTIONS			
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						1/3 K-56		
\$92.2E1(\$9C)	AS GENER	OFFIC	CE USE ONL	Y				200
enoteto) sq.								
This part of Form IV-2(b)) is to record the	ne dates of certai	n occurrences	s and any fo	ollow-up insp	ections.		
		Date					Date(s)	1
		Date						
			Follow	-up inspecti	on(s)			
Application received			FICE USE O	NO.				
			HAING PER	ag ,				
Well work started								
S the deillin	~							
Completion of the drilling			To some in a 21 W	olad nwona no	discol flow bns	to well offered or	nsit coyeting ri	isq
process mentioned with the perturent season			rise horeon, Not		nered beneau	he conditions of	a of topidus sto	
Well Record received		in addition, the well of	continue work.	e pits for any g	uis, locations a e		dani san bus lis	o to
Well Record received								
				pplication, pla	ne wellog and	TORE SOUTH	loate Roares	
Reclamation completed								
Reclamation completed		od bootstanning at vir						
Reciamation completed		The is equipment of the						
Reclamation completed		fidensateuting at Vin		SH P	NED SE	ld / Jules	A MARIO	

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

Distribution List:

Charles Jarrell
Vice President & Trust Officer
Kanawha Banking & Trust Company
P.O. Box 393
Charleston, WV 25326

L. M. LaFollette, III P.O. Box 2068 Charleston, WV 25327

Paul W. McCreight Room 230 Fredrick Hotel 4th Avenue and 10th Street Huntington, WV 25701

O. Jennings Rife P.O. Box 542 Huntington, WV 25708

William E. Wright, Jr.
Vice President & Trust Officer
Kanawha Valley Bank
One Valley Square
Charleston, WV 25301

Howard F. Meek P.O. Box 349 Huntington, WV 25706

Robert W. Lawson, III 1307 Charleston National Plaza Virginia Street, East Charleston, WV 25301

Edwin N. Vincent c/o H. A. Robson Trust P.O. Box 53 Huntington, WV 25706

M. Craig Miller, Senior Geologist Cedar Coal Company Box 548 Cabin Creek, WV 25035

Frank Gaddy Gaddy Engineering Company 421 Tenth St., Suite 709 Huntington, WV 25701 IV-9 Revised 11-81

necessary for comments.



API NO. 47 - 039 - 3991

OCT. 1 7 1983

Sinds of Best Birginia

Beperhant of Mines Oil and Gas Shiston

CONSTRUCTION AND RE	기계에 가게 되는 것이 되었다. 그 그 그 그 사람이 되었다고 되었다.
COMPANY NAME Ashland Exploration Inc	DESIGNED NONE Forrest Burkett
Microse PO Box 391 Astrlandky 4114	Address PO BOX 156 Brenton WV 24818
Telephone 606-329-3682	Telephone 304-732-6677
LANDONER L.M. La Follette etal	SOIL CONS. DISTRICT Capital
Revegetation to be carried out by Ashla	
This plan has been revised by <u>CAI</u>	PITON SCD. All corrections
and additions become a part of this plans	OCT. 2 O 1983 -
A.	6011
	(SCO Report)
ACCESS ROAD	TOCARDIN
Structure Ditch Relief Culverts W	Structure Diversion Ditch (1)
specing Steel-15" See Drawing .	Paterial Earth
	Page Ref. Manual 2-/2
Page Ref. Manual 2-7 € 2-8	_
Structure Headwals, Rock Rip Rap (B)	Structure Drilling Pit (2)
Species N/A	Paterial Earth lined & treated fracessary
Page Ref. Hermal 2-7D 758, 2-10,2-11	Page Ref. Housel N/A
	그는 그 아는 그들은 그들은 아이들이 가지 않는데 하는데 하는데 하는데 하는데 하는데 하는데 되었다.
structure Drainage Ditch 10	Structure Sediment Barriers (3)
Spacing N/A	Marial Straw bales APRICE
Page Ref. Marsial 2-/2	Page Ref. Harsel 2-16
All structures should be inspected regular commercial timber is to be out and stacked out and removed from the sits before dirt w	and all brush and small tubber up by
KAVESTIN	
Treatment Area I (Access Rd)	Treatment Area II (Rotation) OF MIN
Lips 3 Tons/acrs	Lime 3 Tons/acre
or correct to pil 6.5	rectilizer 500 Da/acra
Fertilizer 500 lbs/acra (10-20-20 or equivalent)	(10-20-20 or equivalent)
Mulch Straw 2 Tons/acre	mich Straw 2 Tons/acre
Seed Ky 31 Tall Fescue 20 100/acre	Seed* Ky 31 Tall Fescue 20 Ibe/acre
Creeping Red Fescue 20 16/2000	Creeping Red Feave 20 1he/acre
Red top 5 lbs/acre	Redtop 5 lbs/acre
*Inoculate all legimes such as vetch, trefo	il and clavers with the proper basterium.
Inoculate with 3X recommended anount.	etal Do
PLAN	PREPARED BY SUPPLEM Tacks
FOTES: Please request landowners'	ADDRESS POBOX 391
cooperation to protect new seedling for one growing season.	Hishland Ky 41114
Attach separate sheets as	
necessary for comments.	PHONE NO. 606-329-3682

IV-9 REVERSE Revised 11-81 ATTACH OR PHOTOCOPY SECTION OF LEGEND INVOLVED TOPOGRAPHIC MAP. Well Site · Land Use: Pasture Hayland Cropland LEGEND Property boundary North Arrow Road = = = = = Diversion 11111111 Dristing fence . Spring Wet Spot Building E Drain pipe Waterway (-Existing Road 7 (Public) ~ 10000' to Cabin Creek Rd Existing Road, water bars to be removed and pipes installed as shown Topsoil tobe removed from Existing StripGra Existing Ditel site, stockpiled, and utilized for topdressing during reclamation. Existing Ditch ~1000 @ +2% ~500@ 11% II Location and pits to be constructed on existing Existing Ditch to be cleaned and upgraded as required strip grade. 02/16/2024

1) Date: October 24

,1983

2) Operator's Serial No. 099641

Well No.L.M. LaFollette etal #2 3) API Well No. 47 - 039.399/

State County

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

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SU.	RFACE OWNE	R(S) OF	RECORD TO	BE SERVED	5(i)	COAL OPERATOR	None
(i)	Name LaFo	ollette,	Prichard,	Robson Heirs	etal	Address	
(ii)	Address Se Name Address	ee Attac ndividua	hed Sheet 1 Names ar	for nd Addresses	5(ii)	COAL OWNER(S) Name LaFollette Address San	WITH DECLARATION ON RECORD: e, Prichard, Robson Heirs et me
(iii)	NameAddress					NameAddress	
	_				5 (iii)	Name Cedar Coa	
						Address Box	548
						_Cabi	n Creek, WV 25035
		TO THE PE	RSON(S) NAMED A	BOVE: You should have	e received th	is Form and the following	ng documents:

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

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

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

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

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

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.)

ROYALTY PROVISIONS

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

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

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 th	e
Notice and Application is verified	
and sworn to and the Notice is	
signed on behalf of the Well Opera	tor .
in my County and State by	1.11
John H. Burtnett MMN, MM	MUG
this 24 day of october,	1983
My commission expires Nov. 23,	1986
Will Ill. Amta	

			-	LUV	
Notary	Pu	blic,State	at	LargeCounty,	
State	of	Kentucky			

WELL OPERATOR Ashland Exploration, By John H. Burtnett Its Regional Civil Engineer Address P.O. Box /391 Ashland KY 41114 Telephone 606/329-5258

INSTRUCTIONS TO APPLICANT

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
 - 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-lb(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
 - 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
 - 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
 - 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-lk and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-lk(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-la(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

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

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

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

- 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
L.M. La Follette et al	Ashland Exploration,	Inc. 11.	112/
(Lease was in eluc	ded)	1/8	217/1-60

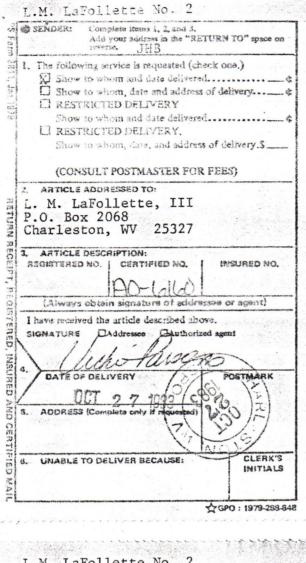


2	ADDRESS	Complete only	it ucharten)	100-	51
			10	7	1
5 1	UNABLE T	O DELIVER BI	CAUSE	301	CLERK'S INITIALS
			-	₹GPO	: 1979-268-848
-		Follette	-		
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Sept.	(Always	obtain signat	ure of addr	95599 01	agent)
The same	marrie ye i	d the article of			The state of the s
1	DATE OF	DELIVERY -26	-83	20	STMARK
5.	ADDRESS	(Complete only	If requested	13	
S. 1	Unarley	O DELIVER B	ECAUSE:	1	CLERK'S HNITIALS

SENDER:	Complete items 1, 2, and 3. Add your address in the "RE reverse. JHB	TURN TO" space o
Show REST Show REST	ving service is requested (che to whom and date delivered to whom, date and address RICTED DELIVERY to whom and date delivered RICTED DELIVERY, to whom, date, and address to whom and the property of th	dd of delivery
(CON	SULT POSTMASTER FOR	(FEES)
Paul W. Room 230 4th Aver Hunting	DESCRIPTION: 25701	
	A0-6165	48.45.49
(Always	obtain signature of addre	ssee or agent)
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8. UNABLE	TO DELIVEN BECAUSE:	PELSAK

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Frank Gaddy Gaddy Engineering Company 421 Tenth St., Suite 709 Huntington, WV 25701 ARTICLE DESCRIPTION: REGISTERED NO. CERTIFIED NO. INSURED NO. [Always obtain signature of addressee or agent) I have received the article described above. SIGNAYORE CLAddressee Clauthorized agent DATE OF DELIVERY OCT 26 1983 CCT	Show Show REST Show Show	to whom and to whom, dat RICTED DEL to whom and RICTED DEL to whom, dat	date deliver e and address IVERY date deliver IVERY. e, and addre	edededss of delivery	•
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DATE OF DELIVERY POSTMARK OCT 26 1983	Huntingt 3. ARTICLE (ton, WV Description: NO. CERTI	25701 FIED NO.	/09	7.
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	DATE OF OCT 2	MUY DELIVERY 6 1983	LOS OF	POSTMAN OCT ON NO.	K

6/2024



PS Form	SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse. JHB
3811, Jan. 1878	1. The following service is requested (check one.) Show to whom and date delivered
-	(CONSULT POSTMASTER FOR FEES)
-	2. ARTICLE ADDRESSED TO:
RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED	Charles Jarrell, Vice President Trust Officer, Kanawha Bk. & Trs P.O. Box 393 Charleston, WV 25326 3. ASTICLE DESCRIPTION: REGISTERED NO. CERTIFIED NO. INSURED NO.
103	(Always obtain signature of addressee or agent)
TERED, INSURED A	A. DATE OF DELIVERY OCT 2 1983 OCT 2 1983
ND CERTIF	5. ADDRESS (Complete only if requested)
TED MAIL	8. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

SENDER:	Complete items 1, 2, and 3. Add your address in the "RE reverse. JHB	TURN TO" space on
Show Show REST Show REST Show	ing service is requested (ch to whom and date delivere to whom, date and address RICTED DELIVERY to whom and date delivere RICTED DELIVERY, to whom, date, and address	d
(CON	SULT POSTMASTER FOR	(FEES)
& Trust One Vall Charlest	E. Wright, Jr. Officer, Kanaw Ley Square con, WV 25301	, Vice Pres. ha Valley Bl
	190-6167	
-	riche to equitangia niet do	
1 have received SIGNATURE	EAddresse Douthorb	
5. ADDRESS	Complete only if requested)	26 26 1983

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2.		-	RESSED TO:			
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3. RE	ARTICL		CERTIFIED NO.	INSU	RED NO.	
	Alway	s obta	in signature of add	ressee or s	igent)	
			e article deseyibed a	rized agent	TMARK	
g	ADDRES	S ICom	eplets only if requested		38	

HED MAIL

P30 0258175

RECEIPT FOR CERTIFIED MAIL

TO INSURANCE CORRAME PROVIDED— NOT FOR INTERNATIONAL MAIL (See Reversa)

2/2	STA CE		englise WUG	37
001		S	PECIAL DELIVERY	-/3
H. HOH	-	RE	STRICTED DELIVERY	¢
STER FL	SERVICES	SERVICE	SHOW TO WHOM AND DATE DELIVERED	60°
FOSTING		EIPT SER	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
CONSULT	OPTIONAL	REC	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	c
C)		RETURN	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢
TO	TAL	POST	TAGE AND FEES S	170.

	SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on reverse. JHB
1	The following service is requested (check one.) [X Show to whom and date delivered
2	ARTICLE ADDRESSED TO:
P.	Jennings Rife O. Box 542 Intington, WV 25708
3.	ARTICLE DESCRIPTION: EGISTERED NO. CERTIFIED NO. INSURED NO. (Always obtain signature of addressee or agent)
	have received the article described above. GNATURE DAddressee Dauthorized agent DATE OF DELIVERY POSTMARK
5.	ADDRESS (Complete only if requested) UNABLE TO DELIVER BECAUSE: CLERK'S



IV-35 (Rev 8-81)

State of Mest Airginia Pepartment of Mines

Date	4/23/04	
Operator	's	
Well No.	2	
Farm L.	M. LaFolle	tte
API No. 4	7 - 039	- 3991

Oil und Gas Bivision

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

WELL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production / Undergroup / Unde	ound Storag	je_/ Dee	PXX / Sha	allow/)
LOCATION: Elevation: 1132.8' Watershed C	THE RESERVE OF THE PARTY OF THE	The second of th		
District: Cabin Creek County Ka	nawha	Quadrangl	e Eskda	le
. 프로마스 보고 있는 사람이 사람들이 되었습니다. 함께 밝아보고 있는 것이다.				
COMPANY Ashland Exploration, Inc.				
ADDRESS P. O. Box 391, Ashland, Ky. 41114	Casing	Used in	Left	Cement
DESIGNATED AGENT Forrest Burkett	Tubing	Drilling		fill up
ADDRESS P. O. Box 156, Brenton, WV 24818	Size	Diffing	TII METT	Cu. ft.
SURFACE OWNER L. M. LaFollette III	20-16			
ADDRESS P. O. Box 2068, Charleston, WV 25327	Cond-	32'	32'	20sks
MINERAL RIGHTS OWNER L. M. LaFollette III	13-10"	330'	330'	160 sks
ADDRESS P. O. Box 2068, Charleston, WV 25327	9 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK Jerry	8 5/8	1677'	1677'	350 sks
Holcomb ADDRESS Box 58, Indore, WV 25111	7			
PERMIT ISSUED 11/15/83	5 1/2			
DRILLING COMMENCED 2/28/84	4 1/2	4491'	4491'	150 sks
DRILLING COMPLETED 3/10/84	3			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2		4916'	Pkr @ 3277
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Marcellus Shale	-	D	in skien	
Bandwidten nagenthalte find fan State fan Stat	Dallar 77	Dept		-
Depth of completed well 5656 feet 1	the state of the s	And sounds	Tools	
Water strata depth: Fresh 33 feet;				
Coal seam depths: None	is coal i	eing mine	d in the	area? No
OPEN FLOW DATA				
Producing formation Devonian Shale	Pay	zone depti	h 4491-56	56 feet
Gas: Initial open flow 0 Mcf/d	Oil: Init	ial open :	flow	Bbl/d
Final open flow 381 Mcf/d	Fina	al open flo	OW	Bbl/d
Time of open flow between initi				Laboration of the state of
Static rock pressure 910 psig(surface	measureme	nt) after	96 hour	s shut in
(If applicable due to multiple completion-				/16/2024
Seconi producing franction Gordon, Berea & W		zone depti	$\frac{2930-2937}{2665-27}$	25 feet
Gas: Thitiel Small Show Mcf/d				
Most come files 311 Mef/d				
ne de la flow between initi				THE PROPERTY OF THE PARTY OF TH
Status 400k; rescues 405 Dsig(surface			Committee of the commit	
		(Continu	e on rev	erse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. Open hole N_2 frac Dev. Shale 4491-5656 w/2,070,000 SCF/ N_2 . BD @ 2560#, ATP 2600# @ 90,000 SCF/min, ISIP 1340#, 15 min 1340#.

Perf Gordon 10H/3178-3184 & Berea 10H/2930-2937. 75 Quality foam frac Gordon & Berea using 500 gal 15% HCl, 47,000# 20/40 sand, 1,417,000 SCF N2, 329 bbl TL&FW, 292 bbl. TSLF. BD @ 1760#, ATR 7 BPM water rate (9,250 SCF/m N2) ISIP 1000#, 15 min 850#.

Perf Weir 13H/2705-2725 & 27H/2665-2705. 75 Quality foam frac Weir using 500 gal 15% HCl, 317,000 SCF/N₂, 50,000# 20/40 sd, 266 bbl TL&FW, 214 bbl TSLF. BD @ 1510#, ATP 1426# @ 7.8 BPM water & 9,000 SCF/min N₂ (25 BPM foam) ISIP 950#, 15 min SI 880#.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET BOTTOM FEET		RÉMARKS		
TOTAL COLOR MERCO OR SOFT	TOP FEEL	BOTTOM FEET	Including indication of all fresh and salt water, coal, oil and gas		
Shale & Sand	0	262	Fresh wtr @ 33'		
Sand	262	329			
Shale & Sand	329	496			
Sand	496	558			
Shale & Sand	558	781			
Sand	781	842			
Shale	842	892	[12] [[12] [12] [[12] [12] [12] [12] [12		
Lower Salt Sand	892	1535	[전문대왕에는 이번] 원생인 속도 없어. 이 시민은 맛있는 다		
Shale & Sand	1535	1699			
Avis Ls	1699	1732			
Shale	1732	1780			
Upper Maxton	1780	1818			
Shale	1818	1882			
Middle Maxton	1882	1927			
Shale & Sand	1927	2081			
Lower Maxton	2081	2121			
Shale	2121	2138			
Little Lime	2138	2212			
Pencil Cave	2212	2221			
Big Lime	2221	2452			
Shale	2452	2470			
Injun	2470	2518			
Shale	2518	2653			
Lower Weir	2653	2742			
Shale	2742	2905			
Coffee Shale	2905	2930			
Berea	2930	2938			
Devonian Shale	2938	3177			
Gordon	3177	3185			
Devonian Shale	3185	TD	Small show of gas @ TD		
DTD 5656		1			
LTD 5654					

(Attach separate sheets as necessary)

ASHLAND EXPLORATION, INC.	
Well Operator	02/16/2024
By: Llouk S. Syna	
Date: April 25, 1984	

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 coal, encountered in the drilling of a well."

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT OIL & GAS DIVISION

Permit No. 039-399/

DEPT. OF MINES

Company ASHLAND EXPLORATION	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address ASHLAND KY	Size		Sauces as provi	
Farm LA FOLLETTE	16	3 T		Kind of Packer
Vell No. 2	13	110		
Pistrict CABIN CREEK County KANAWHA	81/4			Size of
rilling commenced 2-28-84	6%			Depth set
rilling completedTotal depth	5 3/16			Depth set
te shotDepth of shot	3			Perf. top
itial open flow/10ths Water inInch	Liners Used			Perf. bottom
en flow after tubing/10ths Merc. inInch				Perf. top
	CASING CEMENT	ren // 3/4	(syan 32)) No. FT. 3-1-84
k pressurelbs,hrs.	NAME OF SERV	ICE COMPAN	x Hall	No. FT. John
				EETINCHES
h waterfeetfeet				
waterfeetfeet	FEET_	INCHES	F	EETINCHES
	FEET	INCHES	F	EETINCHES
ers' Names RAY RESOURCES - JE	FRRY Chil	DERS 7	God Dus	450
CEMENT W/ 1605K XEAT CLOUSHER LEFT NOTE # @ RICE	PLUG Dou	UN @ 10	: 30 An	
MADE REMARKS IN TIME	TO BRE	AK OFF	11/6	1/0-

3-1-84 BATE

Jessy District WELL INSPECTOR

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANYYNAPMOO	Secret Soul		ADDRESS	io-		
ARM						
illing Material Used						
iner Loc	cation	Amount	Packer	Location		
PLUGS USED A	ND DEPTH PLACED		BRIDGES		G AND T	77%
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
						· · · · · · · · · · · · · · · · · · ·
				- N		
	×					1 a
· · ·						
	The state of the s					
illers' Names						
	- La vystā				9	
marks:						
	I hereby certify I	visited the abov	e well on this date.			
DATE			,			
				DIE	02/16	



DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

OIL & GAS DIVISION DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039 - 3991

Company ASHLA	NO EXPLOR.	CASING AND TUBING	DRILLING	WELL	PACKERS	5
Address ASHLAN	VO KY	Size				******
Farm LAFOLLE	TTE	16			Kind of Packer	
Well No 2	THE STATE OF THE S	13		September 1875	TO THE WAR A POPULATION OF THE PARTY OF THE	
District CABIN C	REEK County KANAWA	10	and the second s		Size of	time (A Mill about 10
Drilling commenced		65%		Market Market	Depth set	10. 30.0
Drilling completed	Total depth	5 3/16			The second secon	CONTRACTOR OF THE STREET
Date shot	Depth of shot	2			Perf. bottom	-
Initial open flow	/10ths Water inIn	ch Liners Used			Peri, top	
Open flow after tubing	/10ths Merc. inIn-	ch			Perf. bottom	2. West .
Volume	Cu. F				18URTON	-84 250
vil	bbls., 1st 24 hr				FEETIN	NCHES
resh water	feetfee				FEETIN	
alt water	feetfee	et FEET_			FEETIN	-t -1988

DRLa@ 3279'

Remarks: WAITING TIME EXTENDED TO 124R,

3-7-84

DISTRICT WELL INSPECTOR

SHITHWEST.

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANY			ADDRESS			
FARM		agrana de la composición de la			1.0 m	Section of the beautiful and the section of
r A R M		DISTRICT	C	OUNTY		911
Filling Material Used			a southwest of the control of the co			
Liner Lo	cation		Carried State of the State of t			-
Liner	eauon	Amount	Packer	Location	1.22	· manufacture of the second
	ND DEPTH PLACED		BRIDGES	CASIN	G AND 1	UBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
					11.00	
			A Commence of the Commence of		- 14	
			24.8	a de la companya della companya della companya de la companya della companya dell		
			and office and a second			est typynist
				3.20		100000000000000000000000000000000000000
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			,			- (\$ 3 d t t t \$ 1)
rillers' Names						and the second
emarks:			The second secon			,,,,,
			E 3/4 - 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			

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

DATE

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

OU & GAS DIVISION

Permit No. 039-3991			OIL & GAS DIVISION DEPT OF MINES		
Company Ashland Explore.	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKI	ERS
Address Ashland KV.	Size				
Farm LAfoLLette	16			Kind of Pack	er
Well No. 2	13			Size of	
District ECARIN CREEK County KANAUHA	81/4				
Drilling commenced	65%			Depth set	
Drilling completedTotal depth	5 3/16			Perf. top	
Date shotDepth of shot	2			Perf. bottom	
Initial open flow/10ths Water inInch	Liners Used			Perf. top	
Open flow after tubing/10ths Merc. inInch				Perf. bottom	
VolumeCu. Ft.	CASING CEMENTED		SIZE	No. FT	Date
Rock pressurelbshrs.	NAME OF SEF	RVICE COMP.	ANY		
Oilbbls., 1st 24 hrs.	COAL WAS ENCOUNTERED ATFEET_			_FEET	_INCHES
Fresh waterfeetfeet	FEET_	INC	HES	_FEET	_INCHES
Salt waterfeetfeet	FEET	INC	HES	_FEET	_INCHES
Drillers' Names TRI State Well	Servi	ce			
Remarks: FRACKing Well					

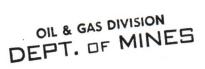
DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

1 JO		ADDRESS	344	211-				
			COUNTY					
		-384	122	14 4	.1			
			J. Post	1361	1			
ation	Amour	nt Packer	Loc	cation				
PLUGS USED AND DEPTH PLACED		BRIDGES	CASING AND TUBING					
WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST			
		- Kasacas	1.60					
2	1							
			e lighthau		A TOTAL PROPERTY AND			
				north and and African	t mega le n			
A CONTRACTOR AND A CONT			61 SQ 1	District T	SEA TO LE CO			
					orans			
YMA		3 Krata						
7. (2.)	TXTOD - S. A.	Or and the second the deal factors.						
the the graph of the			- 20					
8.111			Town Time that I was be based	exercise transfer	era a company			
1 1		all an Abia data						
nereby certity I vis	ited the above w	ell on this date.						
		DIS	TRICT WELL INS	SPECTOR	12024			
	ation ND DEPTH PLACED WOOD-SIZE	Amount ND DEPTH PLACED WOOD-SIZE LEAD	WOOD-SIZE LEAD CONSTRUCTION-LOCATION WOOD-SIZE LEAD CONSTRUCTION-LOCATION Hereby certify I visited the above well on this date.	Amount Packer Loc ND DEPTH PLACED BRIDGES CASIN WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED AMOUNT PACKET LOCATION RECOVERED RECOVERED REC	Amount Packer Location ND DEPTH PLACED BRIDGES CASING AND TU WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE			







State of West Birginia

Department of Mines Gil and Gas Bivision

Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT May 1, 1984

COMPANY .	Ashland Exploration, Inc.	PERMIT NO		039-3991
P. O.	Box 391	FARM & WE	LL NO	LaFollette #2
Ash1ar	nd, Kentucky 41114	DIST. & C	COUNTY	Cabin Creek/Kanawha
			TN	COMPLIANCE
RULE	DESCRIPTION		YES	COMPLIANCE NO
23.06	Notification Prior to Start	Ing Work		
25.04	Prepared before Drilling to		-	
25.03	High-Pressure Drilling	Tievene waste		
16.01	Required Permits at Wellsit		-	
15.03	Adequate Fresh Water Casing		-	
15.02	Adequate Coal Casing	1		
15.01	Adequate Production Casing			
15.04	Adequate Cement Strength			
15.05	Cement Type			
23.02	Maintained Access Roads			
25.01	Necessary Equipment to Prevent	ent Waste		
23.04	Reclaimed Drilling Pits	and waste	-	
23.05	No Surface or Underground P	ollution	-	
23.07	Requirements for Production			
16.01	Well Records on Site	o announg reposition		•
16.02	Well Records Filed			
7.05	Identification Markings			
I HAVE I	NSPECTED THE ABOVE CAPTIONED	WELL AND RECOMMEND T	HAT IT	BE RELEASED:
		SIGNED	Roc	1 Dillow
		DATE		7/27/84
Your wel	l record was received and re	clamation requirement	s appr	oved. In accordance
	pter 22, Article 4, Section			
	for the life of the well.	,		1
<u> </u>	*		11	. ///
		1-1		110
		Administr	ator-0	il & Gas Division
		· Au	gust 1	, 1984
			DATE	

