

1) Date: September 11 , 19 84

2) Operator's H. T. Smarr Well No. #2, Serial No. 097081

3) API Well No. 47 - 019 - 0513 - FRAC
State County Permit

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

				A	PPLICA	TION FOR A WEI	L WORK PERMIT		
4) WELL TY	PE: A O	ilaw di	/ G	as X	TO	ONS (IF ANY)	AND CONDITI	PIFTCATIONS	PERMIT MO
	B (I	f "Gas",					storage		
5) LOCATIO	N: of Ele	vation:	- An	1545.	1'20				River K65
Ot '	ODis				164			Quadrangle: _	
6) WELL OF	ERATOR_				tion,	Inc.	7) DESIGNATED	AGENT Forre	
Addres	s	P. 0.			11/	7	Address	Box 1.	
Jo.w.		Ashla	Sales Revision Control		114	04 0	NO O	Brento	on, WV 24818
8) OIL & GA						1 10 201	9) DRILLING CO		
	Rodney				77 25	917		PERSONAL PROPERTY OF THE PROPE	Service 9 000
Addres		$\times 30,$		10, W	V 43	317	Address	Box 299, 1	
		4/469-				C3//		Bridgeport,	
10) PROPOSI	ED WELL	WORK:			_/ Dril	()		/ Stimulate	X COORDINA
		1			formatio		rate new formation_		ECELV FIII
		1				in well (specify)		IA (	50
11) GEOLOG	ICAL TAR	GETFOR	MATION	, <u>we</u>	11, 1	QAA G			2501 2 1001
12) <b>KMM</b>	arest depth o	of complet	ed well,	1	921	feet; salt	, Sand @ 362	feet.	SEP 1 3 1984
13) Appro								reet.	OIL & GAS DIVISION
	oximate coa					IS CO	al being mined in the	area? Yes	OIL & GNOS SIX IS IS
15) CASING	AND TUBI			ic.		II FOOTAGE	INTERVALS	1 CEMENT FILDE	PT. OF MINES
CASING OR TUBING TYPE			IFICATION Weight	1				OR SACKS	PACKERS
	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	-
Conductor	9 5/8	H-40	32	X		1/89 400	489 495	15 sks. 130 sks.	Kinds to vincation
Fresh water	9 3/6	11-40	32	Λ	K. 20. I	701409	70) 433	130 SKS.	EXISTING-SEE
Coal	_		22	77		1971	107/107	/10 1	Sizes WELL RECOR
Intermediate	41/2	K-55	23	X		79/1 <del>1977</del> 2900	19/11/977	410 sks. J	2000
Production	417					2100	11251	80 sks.	Depths set 2400
Tubing						THE PLANE OF THE PARTY OF THE P	1100	00 3NJ.	Perforations:
Liners	Ser	TI	00'	10	ness	- Dluca	4440	to 430	AGop Bottom
	130	, ,			The same	4		10 12	Bottom
100	3000					7	100		
		10.16	181	3.7%				A IM	
								1111	10-23-84
				1.01.000		OFFICE USE	ONLY		
						DRILLING PE	RMIT		Well work started
	47-01	0-0513	-EDAC					Onto	
Permit number	47-01	9-0313	-FRAC					ALTONOMIC TO A CONTROL OF THE PARTY OF THE P	ber 11, 19 84
This parmit say	oring the w	all operate	r and wa	Il locati	on show	n balow is avidance	of normission grants		nce with the pertinent legal re-
									il and Gas Inspector, (Refer to
No. 8) Prior to	the construc	ction of ro	ads, loca	tions an	d pits for	r any permitted worl	. In addition, the we		ntractor shall notify the proper
district oil and	gas inspecto	r 24 hours	s before a	ctual pe	ermitted	work has commence	d.)		
	vork is as de	escribed in	the Notic	ce and A	Applicati	on, plat, and reclam	ation plan, subject to	any modifications a	and conditions specified on the
reverse hereof.		Octo	ber 1	1 19	86	1 1			
Permit expires		0000	DEI I.	1, 1)	00	unless well	work is commenced	prior to that date and	I prosecuted with due diligence.
									OTHER INSPECTIONS
Bond: 10	Agen	t: 1	Plat:	Casin	Section of the Control of the Contro	Fee			
DIAMKET		1 h	111	m	11	173	700		Keason 1
DEAMACE		11/	INI	, , ,	NI		/ land	met 2	Mans
						1	1 July	nistrator, Office of O	Oil and Gos
NOTE: Keen	one conv of	this norm	it nosted	at the d	rilling lo	cation	Admi	monator, Office of C	on and Gas



OFFICE USE ONLY

STATE OF WEST VIRGINIA

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

(Devoview shale) which was that for plug Srom 4440'- 4340'. Run 41/2" 5695' Set cement a formation packer and on 80 sks. Back leave

SFP 1 3 1984

Yes OIL & GAS DIVISION

DRIFLING PERMIT

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

Date

Date(s)

Application received

Follow-up inspection(s)

This perinit covering the well-operator and wall locallon shown below is evidence of certuission granted to drift outrements subject to the conditions contained herein and on the reverse hereof. Motification must be given to the

be permitted work is as described in the Norice and, application, plat, and reclamation plan, subject

Well work started

Completion of the drilling

Well Record received

Reclamation completed

OTHER INSPECTIONS

Reason:

Reason:

File

FORM	IV-2(A)	
Obver	se	
[8-83]	]	

State of Kentucky

1)	Date:	September	11	
01	_			_

,1984 2) Operator's Serial No. 097081 Well No. H. T. Smarr No. 2

3) API Well No. 47 - 019 - 0513 - State County Permit

Force

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

		NOTICE OF APPLICATI	ON FOR A WELL	WORK I	PERMIT
4) SU	RFACE OWNE	ER(S) OF RECORD TO BE SERVE			
			D 3(1)	Addre	OPERATOR None
(1)		enn Wriston	_	Addre	ess
		21 Second Avenue	- 5(ii)	COAT	OWNER(S) WITH DECLARATION ON RECO
(ii)	Name	Sayetteville, WV 25840		Name	
()	Address			100	dress Box 175
	Audi ess_		_		Hansford, WV 25103
(iii)	Name			Name	mansford, wv 25105
()		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	_	iress
			_		
	-		- 5(iii)	COAL	LESSEE WITH DECLARATION ON RECORD
				Name	None
				Add	iress
		TO THE PERSON(S) NAMED ABOVE: You sh	ould have received th	ia Form	
		(1) The Application for a Well W	ork Permit on Form TV	LS FORM a	and the following documents:
		and describes the well and in cementing program;	ts location and, if a	pplicable	e, the proposed casing and
		(2) The plat (surveyor's map) she	owing the well locati	on on For	MECENTICIA
		(3) The Construction and Reclamate	tion Plan on Form IV-	9 ) unless	the well work is only to
		(2) The plat (surveyor's map) sho (3) The Construction and Reclamation plug a well), which sets out reclamation for the site and	the plan for erosion	and sedi	ment control and for
		THE REASON YOU RECEIVED THESE DO	TIMENTS TO THAT YOU IT	NITE DICE	SEP 1 3 1984
		WHICH ARE SUMMARIZED IN THE "INSTRUCTI	ONS" ON THE REVERSE	SIDE OF T	HE COPY OF THE APPLICATION
		(FORM 1V-2(B) OR FORM 4, DESIGNATED FO	OR YOU. HOWEVER, YOU	ARE NOT	REQUIRED TO TAKE ANY OIL & GAS DIVISION
		Take notice that under Chapter 22	of the West Vincini	- Cod- +	- MINIES
		and depicted on attached Form IV-6	Oping of this Notice	n describ	ed on attached Application
		Construction and Reclamation Plan have by hand to the person(s) named above	been mailed by regis	stered or	certified mail or delivered
		by hand to the person(s) named above ( before the day of mailing or delivery	or by publication in	certain	circumstances) on or
		The second of delivery	to the Administrator.		
		6) EXTRACTION RIGHTS			
		Check and provide one of the follow	ing:		
		I hold the right to extract o	il or gas.	ontract o	or contracts by which
		The requirement of Code 22-4-1-(	c) (1) through (4). (S	ee revers	se side for specifics.)
		7) ROYALTY PROVISIONS			
- Levelle	Control	Is the right to extract, produce or or other contract or contracts provi	market the oil or ga	s based u	pon a lease or leases
Tropic Copy		for compensation to the owner of the	oil or see in	charry of	any similar provision
		to the volume of oil or gas so extra	acted, produced or ma	rketed?	Yes No
31	O CAN ME	If the answer above is No			
E		you may use Affidavit Form IV-60.	15	neada.	II the answer is yes,
ر عربي عن	= 103	See the reverse side for line i			
		See the reverse side for line in the required copies of the Noti Reclamation Plan.	ce and Application,	for ins	tructions concerning
	James, E. J. 10,			1	Construction and
The	truth of t	the information on the	WELL	401	WAR. Destull
Notic	ce and App	olication is verified	OPERA	TOR A	shland Exploration, Inc.
and s	sworn to a	and the Notice is		//	onitalia disploitation, inc.
signe	ed on beha	ulf of the Well Operator	By Jo	ohn H.	Burtnett
in my	y County a	and State by	Its	Regio	onal Civil Engineer
	hn H. Bur		, Add	ress	P. O. Box 391
this	11 day of	September , 1984	•		Ashland, KY 41114
My	commissi	on expires Nov. 23 , 1986	. Tel		6 606/329-5258
	This Bi	W Nonta			000/32/ 3230
No	ptary Publ	ic, State-at-Large County,	_		
	I runt	Lo, brace-at-Large Country,			

#### 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 § 22-4-8a 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	Rovalty	Book Page
orallor,	TOSSOT! CH	c. Grance	, 100000,		HOYULLY	DOOK - I dig c

IV-9 Revised 11-81

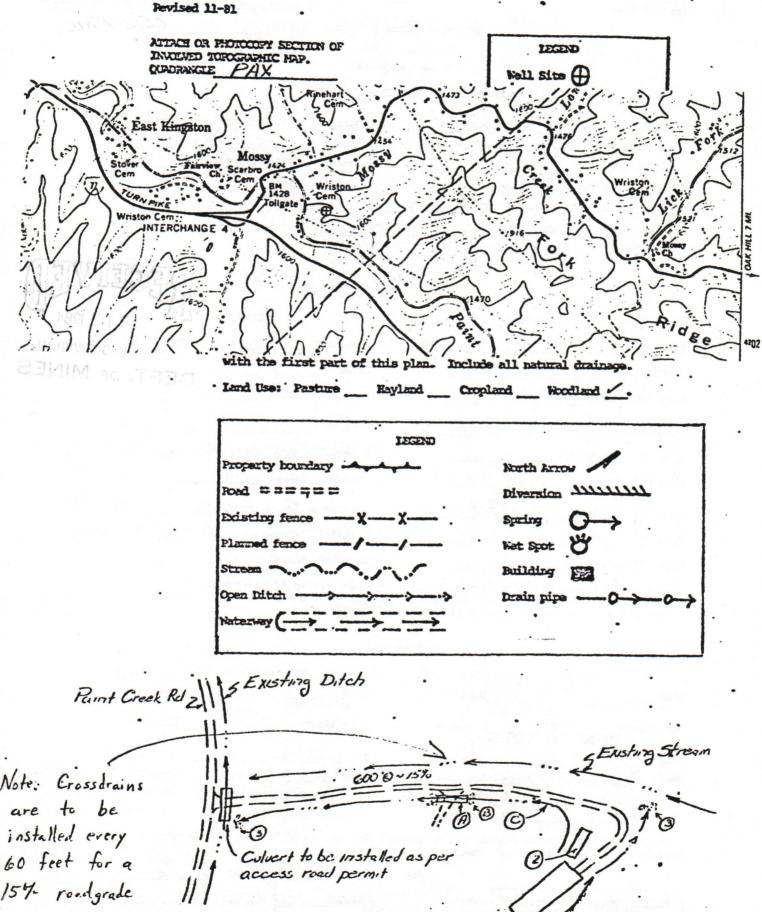


DATE Jan 31, 1983 WILL 80. H.T. Smarretal #2, 50 # 09708/ API NO.047-019 -05/3-Frac

minigally leaking in chalfing

Population of Allinos Oil and Cas Abiden

CONSTRUCTION AND REC	TANONTION PIAN
COMPANY NAME Ashland Exploration Inc.	PSIOSING FORTEST BURKEH
Actions PO Box 391 Ashlord Ky 41114	Miles AD Box 156 Brenkow U 24818
Telephone 606-329-3682	Telaphore 3/4-732-6677
DANCHE Glenn Uriston	som ass. misman Southern
Revegetation to be carried out by Ashland	d Exploration Inc Depart
This plan has been reviewed by	uthern son. All corrections
and additions become a part of this plant 2-	4-83
Sta.	W. Boschain DECEIVE
	(SCII Aspect)
ACCESS ECAD	SEP 1 3 1984
structure Colvert	Structure Diversion Ditch (1) GAS DIVISION
spacing Steel 15".	Patadal Earth DEPT. OF MINE
Page Red. Hermal 2-742-8	Page Ped. Parmal 2-12
Structure Headwalls Rock Rip Rep (B)	structure Dilling Pit (2)
species N/A .	Patental Earth lined & treated in necessary
Page Rat. Hormal 7-70788, 2-10.2-11	Page Raf. Farmal N/A
streems Drawage Ditch (C)	States Sidorent Borners (3)
Species N/A	Material Strawboles or treshfrom site
Prope Res. Harmal 2-12	Page Ref. Herusl 2-16
All structures should be inspected regular conserval timber is to be out and stacked a cut and removed from the site before dirt was	nd all brush the small thouse to be
**************************************	709
	Treatment Area II (Location)
Treatment Area I (Access Rel)	Line 3 Tons/acre
tipe 3 Tors/scre	or correct to pH 6.5
Fertilizer 500 lbs/acra (10-20-20 or equivalent)	Fertilizar 500 lbs/ocra
Mulch Straw 2 Tons/scro	mich Straw 2 Tons/acro
Seed Ly 31 Tall Fescue 20 10s/acre	Soed Ky 31 Tall Fexic 20 1be/acro
Creening Red Fores: 20 100/0000	Creeping Red France 2016 locas
Redtop 5 lbs/scre	Redtop 5 1bs/acre
*Inoculate all legimes such as vetch, trefoi	l and clovers with the proper bacterium.
Inoculate with 31 recommended another.	TEPAHED BY Stephen Pacho.
BOTES: Please request landowners'.	ADDRESS PO Box. 39/
ecoparation to protect new	achland Ky 41114
eaciling for one growing season. Attach separate sheets as	-
necessary for comments.	PHOSE NO. 606-329-3682

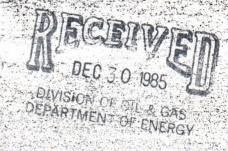


200	SENDER: Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.  JHB
1	(CONSULT POSTMASTER FOR FEES)
	1. The following service is requested (check or
1	Show to wnom and date delivered
I	Show to whom, date, and address of delivery¢
TATAL PROPERTY AND ADDRESS OF	2. RESTRICTED DELIVERY  (The restricted delivery fee is charged in addition to the return receipt fee.)
T-SAME SAME	TOTAL \$
A Charles	3. ARTICLE ADDRESSED TO:
-	Lee Bird, Land Agent & Chief
	Geologist, Ford Coal Company Box 175
	Hansford, WV 25103
I	4. TYPE OF SERVICE: ARTICLE NUMBER
I	REGISTERE INGURED
i	EXPRESS SIA
	(Always obtain signature of addressee or agent)
No.	I have received the article described above.
	SIGNATURE Addressed Authorized agent
ľ	A TOTAL
I	olines.
	DATE OF DELIVERY
L	19-13 74 /2/csp 2
į	6. ADDRESSE'S ADDRESS (Only if requested
PERSONAL PRINS	I   1504
No. of Lot	1984
ď	7. UNABLE TO DELIVER BECAUSE: 28. EMPLOYEES

H. T. Smarr #2 (rework fermit
<ul> <li>SENDER: Complete items 1, 2, 3, and 4.</li> <li>Add your address in the "RETURN TO" space on reverse.</li> </ul>
(CONSULT POSTMASTER FOR FEES)
1. The following service is requested (check one).
Show to whom and late delivered
Show to whom, date and address of delivery
2. RESTRICTED DELIVERY  (The restricted delivery fee is charged in addition to the return receipt fee.)
TOTAL \$
3. ARTICLE ADDRESSED TO:
Glenn Wriston
121 Second Avenue
Fayetteville, WV 25840
4. TYPE OF SERVICE: ARTICLE NUMBER
REGISTERED INSURED
DEXPRESS MAIL
(Always obtain signature of addressee or agent)
I have received the article described above.
SIGNATURE Addressee Authorized agent
1 0 115
DATE OF DELIVERY POSTMARK
CAMILLY 1 SEP 6
6 ADDRESSEE ADDRESS (Only if requested 15
1004 6
5
7. UNABLE TO DELIVER BECAUSE: THE MOUNTERS



OIL & GAS DIVISION DEPT. OF MINES



Show to whom. date, and address of delivery	SENDER: Complete Items 1, 2, 3, and 4.     Add your address in the "RETURN TO" space on reverse.	PS Form	wMP - H. T. Smarr (  sentence Sender: Complete items 1, 2, Add your address in the space on reverse.	3. and 4.
S. ARTICLE ADDRESSED TO: FORD COAL COMPANY BOX 175 Hansford, WV 25103  4. TYPE OF SERVICE: ARTICLE NUMBER	Show to whom and date delivered	3811, July 1882	1. The following service is requested (i) Show to whom and date delivered Show to whom, date, and address 2. RESTRICTED DELIVERY (The restricted delivery lee is charge.)	check one).  3
REGISTERED	Box 175		121 Second Avenue	nn Wriston
I have received the article described above.  SIGNATURE Addressee Authorized agent  I have received the article described above.  SIGNATURE Addressee Authorized agent  HA  DATE OF DELIVERY  (may be do reverse side)  Authorized agent  FOSTMARK (may be on reverse side)  ADDRESSEE'S ADDRESS (Only II requested)  7. UNABLE TO DELIVER BECAUSE:  7. UNABLE TO DELIVER BECAUSE:	□ REGISTERED □ INSURED □ CERTIFIED □ COD □ EXPRESS MAIL □ AD-12,388		□registered □insurei ☑certified □co0 □eopress mail	A0-12-389
6. ADDRESSEE'S ADDRESS (Only II requested)  7. UNABLE TO DELIVER BECAUSE: 7a. EMPLOYEE'S	I have received the article described above.  SIGNATURE Addressee Authorized agent  5. DATE OF DELIVERY  Addressee Authorized agent  POSTMARK  [max] as get regerae side;	SE	I have received the article described ab SIGNATURE Addressee	Authorized agent
INITIALS  O # INITIALS  INITIALS  INITIALS	10:100	RETURN		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2



Static rock pressure



## State of Mest Nirginia

Department of Mines Oil and Gas Bivision

Date 4/	8/83		
Operator's	5		
Well No	2		
Farm H. T	. Smarr		
API No. 47	- 019	-	0513

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

WEIL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production X / Undergrou				ıllow/)
IOCATION: Elevation: 1545' Watershed Pa	int Creek	of Kanawh	a River	¥CPEANOCT
District: Valley County Faye	ette	Quadrangle	e Pax	
				Bills 2
COMPANY Ashland Exploration, Inc.				Snal
ADDRESS P. O. Box 391, Ashland, Ky. 41114	Casing	Used in	Left	Cement
DESIGNATED AGENT Forrest Burkett	Tubing	Drilling	in Well	fill up Cu. ft.
ADDRESS P. O. Box 156, Brenton, WV 24818	Size			
SURFACE OWNER Glenn Wriston	20-16 Cond-	23'	23'	15 sks
ADDRESS 121 Second Ave., Fayetteville, WV 25840	13-10"			
MINERAL RIGHTS OWNER Ford Coal Company	9 5/8	1001	1001	100 -1
ADDRESS Box 175 - Hansford, WV 25103	8 5/8	4891	489'	130 sks
OIL AND GAS INSPECTOR FOR THIS WORK Craig	7	10711	1971'	410 sks
Duckworth ADDRESS Box 454, Mt. Lookout, WV	5 1/2	1971'	19/1	410 585
PERMIT ISSUED 2/8/83		-		
DRILLING COMMENCED 3/4/83	3		SESWES	
DRILLING COMPLETED 3/22/83	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used		Land dies Tagle verfi	
GEOLOGICAL TARGET FORMATION Marcellus Shale		Dept	h 5965	f.eet
	otary X	/ Cable	A STATE OF THE PARTY OF THE PAR	
Water strata depth: Fresh 192' feet;		feet		
Coal seam depths: None		being mine	ed in the	area? No
OPEN FLOW DATA	2			
Producing formation Devonian Shale				
Gas: Initial open flow 245 Mcf/d				Bbl/d
Final open flow 59 Mcf/d				
Time of open flow between initi				
Static rock pressure 730 psig(surface		ent) after	72 hou	rs shut in
(If applicable due to multiple completion-				
Second producing formation		zone dept		feet
Gas: Initial open flowMcf/d				
Final open flow Mcf/d			-	
Time of open flow between initi	al and fi	nal tests	ho	urs

psig(surface measurement) after

hours shut in

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. Loaded hole from 5965-4457 w/15,500# of 80% Glycerine shot. Tamped w/450' of pea gravel shot hole @ 1111 hrs. 3/20/83

#### WELL LOG

PORMATION COLOR HARD OR SOFT	TOP FEET	EOTTOM-FEET	REMARKS Including indication of all freshand salt water, coal, oil and gas
Sand & Shale	. 0 .	117	vater, con, oil and gas
Sand	117	158	
Shale	158	206	Fresh wtr @ 192'
Sand	206	288	
Shale	288	362	
Lower Salt Sand	362	939	suldeains xêz le . j DESTOR
Shale	939	1288	
Ravencliff-Upper Maxton	1288	1342	
Shale & Sand	1342	1492	
Middle Maxton	1492	1520	
Shale	1520	1603	AND THE PROPERTY OF THE PARTY O
Stray Maxton	1603	1710	
Shale	1710	THE RESERVE OF THE PARTY OF THE	
Lower Maxton	1744	1744	
Shale	1843	1843	
Little Lime	1852	1852	
Pencil Cave	1926	1926	
Big Lime		1958	
Shale	1958 2276	2276	
Upper Weir	2410	2410	
Shale	2410	2446	
Lower Weir	And the second s	2516	
Shale	2516	2556	
Coffee Shale	2556	2791	
Berea	2791	2817	
Devonian Shale	2817	2850	
Gordon	2850	3019	I MORE CHARACTER DEPOSITION DE
Devonian Shale	3019	3045	
Devonian Shale	3045	TD	
DTD 5965		inna estissimb	e Non-restore impater such follows
LTD 5963	gardos cae	1983	
1391	The state of	e tour	por interest presents
<sup>98</sup> terra ser ou regim pul <b>is</b> d the		5	

(Attach separate sheets as necessary)

	LAND EXPLORATION,	INC.
Well	Operator	
By: 🗸	lech 1 6	Una
Date:	4/8/83	2010M

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 eval, encountered in the drilling of a well."

IV-35 (Rev 8-81) RECEIVED



OIL & GAS DIVISION State of Mest Mirginia

DEPT. OF MINES Department of Mines
Oil and Gas Division

Date	1/30,	/85	-	
Operat Well N		2		
Farm_	н. т.	Smarr		
API No	0. 17	010	_	0512_EDAC

(Continue on reverse side)

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

The state of the s	aint Creek	of Kanawha	a River	
District: Valley County Fa	yette	Quadrangle	e PAX	
COMPANY Ashland Exploration, Inc.			tin egilin egili din damin austrupe usah sengaguan penerakan samatan berarakan sengan berarakan sengan berarak Kan 1884 kalan 1885 sejan dagai berarakan diban sengan sengan sengan sengan sengan sengan sengan sengan sengan	
ADDRESS P. O. Box 391, Ashland, Ky. 41114	Casing	Used in	Teft	Cement
DESIGNATED AGENT Forrest Burkett	Tubing	Drilling		fill up Cu. ft.
ADDRESS P. O. Box 156, Brenton, WV 24818	Size		III WOLL	- Cu. 10.
SURFACE OWNER Glenn Wriston	20-16	23	23	15 sks
ADDRESS 121 2nd Ave. Fayetteville, WV 25840	Cond.	23	23	13 585
MINERAL RIGHTS OWNER Ford Coal Co.	13-10"	400	400	120 -1
ADDRESS Box 175, Hansford, WV 25103	9 5/8	489	489	130 sks
OIL AND GAS INSPECTOR FOR THIS WORK Red	8 5/8			
Dillon ADDRESS Box 30, Scarbro, WV	7	1971	1971	410 sks
PERMIT ISSUED 10/11/84	5 1/2		6001/2002	2212100-1
PECOMPLET COMMENCED 11/1/84	4 1/2		680. (2892	-2212)80sk
RECOMPLETION  DRIVING COMPLETED 1/15/85	3	-		
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2			
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			2
REWORKING. VERBAL PERMISSION OBTAINED ON	used			
GEOLOGICAL TARGET FORMATION Weir, Maxton	-	Den	<b>th</b> 2520 1	684 <b>fee</b> t
Depth of completed well 5965 feet				004 1000
Water strata depth: Fresh 192 feet;				
Coal seam depths:	The second second second second	THE RESERVE TO SHARE A STATE OF THE PARTY OF		area?
	_ 15 0001	Della man		ara.
OPEN FLOW DATA				
Producing formation				
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between init			The state of the s	
Static rock pressurepsig(surface		ment) after	hou	rs shut in
(If applicable due to multiple completion			-h	feet
(If applicable due to multiple completion Second producing formation				
(If applicable due to multiple completion	Oil: Ini	itial open	flow	Bbl/d

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

Set brush plug @ 4465' - dump 30 sx Cl "A" cmt plug on top - TOC plug @ 4227 Ran 4 1/2" 10.5# J-55 csg to 2892' w/OH pkr shoe & cmt w/80 sks Thixotropic. Back off @ 1770'

Perf L. Weir 20H/2520-2540. Dump 500 gal 15% HCl - 75 Q foam frac using 30,000# 20/40 sand, 224,000 SCF N2, 183 bbl TL&FW. BD @ 1560#, ATP 1497# @ 20 B/M foam Set 10 sk plug inside 4 1/2" csg 2368-2500' to abandon L. Weir. Rip 4 1/2" csg 2212'

& plug off w/106 sks cmt. TOC plug @ 1765'.

Perf Maxton 25H/1684-1704. Dump 500 gal 15% HCl 30#/M gal gel wtr frac using 45,000#
20/40 sand, 702 bbl TL&FW, 530 bbl TSLF. BD @ 1500#, ATP 1400# @ 25 B/M, MTP 1500#,
ISIP 1250#.

Form 26 2/16/82

#### STATE OF WEST VIRGINIA

#### **DEPARTMENT OF MINES**

#### **OIL AND GAS WELLS DIVISION**

## REPORT INSPECTOR'S PLUGGING REPORT

COMPANY	to ItO			CLSS —	4 2 2 2 2		
FARM		DISTRICT .	Weiter State Control	C	OUNTY		
	CALLYY CARRY	1000	M1811	1	Coll of		
illing Material Used					1.1817	12	
iner Loc	ration	Amou	nt	Packer	Loc	cation	1
Y. Carlotte and the second	ND DEPTH PLACED			BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONST	RUCTION-LOCATION	RECOVERED	SIZE	LOST
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79	355555 41 7	LESTYPME:	CABOVG (	and the second second second			932
01/1084110	A RAVAROD	ENVER					provinte.
TERTTERT_	TA STREET	navikanska a		est is set aldo			
Drillers' Names	23 (1790)	738		1597			2 21 25
FERTNCHS		733		past .	1457		20128
Remarks:							
	Mer + 12/2						
				16E +C			
	I hereby certify I visit						

DISTRICT WELL INSPECTOR

## STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION
DEPT. OF MINES

#### INSPECTOR'S WELL REPORT

Permit No. <u>019-0</u>	513 FRAC				Oil or	Gas Well G	AS
Company Ashlan	cl		CASING AND TUBING	USED IN DRILLING	LEFT IN	PACK	ERS
Address ASA	land Ky		Size				
Farm H. T.			16	and industry appearing to		Kind of Pac	ker
Well No. #2			13			Size of	
District UAlley	County_f	Ayette	81/4			5120 012	
Drilling commenced			65/8			Depth set	
Drilling completed	Total dept	h	5 3/16			D. C. L.	
Date shot	Depth of shot_		2			Perf. top Perf. botton	
Initial open flow	/10ths Wate	r inInch	Liners Used			Perf. top	
Open flow after tubing	/10ths Merc.	inInch				Perf. bottom	1
Volume		Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Dat
Rock pressure	lbs,	hrs.	NAME OF SEF	RVICE COMPA	ANY		
Oil	bbl	s., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHE
Fresh water	feet	feet	FEET_	INCI	HES	_FEET	INCHE
Salt water	feet	feet	FEET	INC	HES	FEET	INCHE
Drillers' Names 781	- State U	Jell Sea	e Oice				Camping S.
	HAILIBUR	Line					
Remarks: Sct Bi Run 30	Rush Plue	9 @ 44	1001				
Run 30	SKS NeA	t. on	0144				

1112184

Rad Dellon
DISTRICT WELL INSPECTOR

Form 26 2/16/82

DEPT. OF MINES

## STATE OF WEST VIRGINIA DEPARTMENT OF MINES

**OIL AND GAS WELLS DIVISION** 

#### **INSPECTOR'S PLUGGING REPORT**

			ADDRESS			
ARM		DISTRICT _	C	OUNTY		
				hol		
illing Material Used				11211	7	
iner Loc	cation	Amour	nt Packer	Loc	cation	X
PLUGS USED A	AND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
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			100 mm			
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	276					5.00
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HOK			HOLDER THE SHALL			
Orillers' Names		100				31 1 1 W . H
	Mark a series and the series and the				elia de la compo	
Remarks:						
	I hereby certify I vis	ited the above w	vall on this date			

DATE

#### STATE OF WEST VIRGINIA

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

DISTRICT WELL INSPECTOR

## INSPECTOR'S WELL REPORPT. OF MINES

Permit No. 0190	513FRAC	Metta.		Oil or	Gas Well 47	7
Company Ash	1A~d	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS	W
Address As1		Size			1 ×2 1 juda (a)	
Farm H. T. Sn	Suspending Control	16			Kind of Packer_	
Well No. #2		13		and in		
The state of the second state of the second property of the second state of the second	County fayette	10			Size of	
Drilling commenced		65/8			Depth set	
		5 3/16				
	Total depth	3			Perf. top	
Date shot	Depth of shot	2			Perf. bottom	
Initial open flow	/10ths Water inInch	Liners Used			Perf. top	
Open flow after tubing	/10ths Merc. inInch				Perf. bottom	-
Volume	Cu. Ft.	CASING CEMEN	NTED	SIZE	No. FT	Date
Rock pressure	lbs,hrs.	NAME OF SER				
Dil	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETIN	ICHES
Fresh water	feetfeet	FEET_	INCH	ES	FEETIN	ICHES
Salt water	feetfeet	FEET_	INCH	ES	FEETIN	CHES
Orillers' Names 7/6	: - State Well	Service				17 10 17
demarks: Sct Cer	next Plug 3500	1- 13/1/	10.51			
Pull 10	DITS. @ 4001	2 CASING	@ 2213	2'		
RUN 70	OSKS. Neat ACRO	ss 41/2 C	cut			
0000	, , , , , ,				•	
11/12/84			Kod	Del	low	

#### STATE OF WEST VIRGINIA

#### **DEPARTMENT OF MINES**

#### OIL AND GAS WELLS DIVISION

## **INSPECTOR'S PLUGGING REPORT**

OMPANY	\$8.85 SE		ADDRESS	313FE 16	1 - 111	)
ARM		DISTRICT _	C	OUNTY		-
olling Material Used				3		
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iner Lo	The state of the s	Amou		1 10000	G AND TUI	RING
	AND DEPTH PLACED		BRIDGES	RECOVERED	SIZE	LOST
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	2001
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34 70 2 778	in the CES	STATION A	ave trade i se trade <u>i de</u>		are, e que sua en en	patrices had no pe
				Sma <sup>4</sup>		401000
Drillers' Names						
	28.1391	183		and the second s	er med er som er stille	
Remarks:						
		2000	e well on this date.			
	T 1 1 1:C. T.	visited the should	Well on this date.			

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

## INSPECTOR'S WELL REPOBEPT. OF MINES

Permit No. <u>019-0513</u> FRAC	1944		Oil or	Gas Well	GAS
Company AshlAnd	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PA	CKERS
Address Ashland, Ky	Size	resident some			
Farm H. T. Smarr	16			Kind of P	acker
Fried Land Charles	13				
Well No. #2	10			Size of	
District <u>VAIICY</u> County <u>FAYEHC</u>	8½ 6½			Donth set	
Drilling commenced //- 3-84	5 3/16			Depth set	
Drilling completedTotal depth	3			Perf. top_	
Date shotDepth of shot	2			Perf. bott	om
Initial open flow/10ths Water inInch	Liners Used				
Open flow after tubing/10ths Merc. inInch				Perf. bott	om
VolumeCu. Ft.	CASING CEME	NTED	SIZE	No. FT.	Date
Rock pressurelbs,hrs.	NAME OF SER	VICE COMPA	ANY		
Oilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
Fresh water <u>feet</u> feet	FEET_	INCI	HES	_FEET	INCHES
Salt water feet feet	FEET_	INC	HES	FEET	INCHES
Drillers' Names TRI - State Well So	rvice				0.3 10.2372
Remarks: 11-13 Coment Hule 11-14 Perf. 7in. 2 Frac Well (Dowe	5 Hales	748 B	ofton	7in 1	1977'

Rod Willon

#### STATE OF WEST VIRGINIA

#### **DEPARTMENT OF MINES**

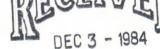
#### **OIL AND GAS WELLS DIVISION**

### **INSPECTOR'S PLUGGING REPORT**

OMPANY			ADDRESS	1513 FRA	19-0	<u> </u>
ARM		_ DISTRICT _	C	OUNTY		
			<u> </u>	Marie	75	
illing Material Used				4	1 - 0	
iner Loc	cation	Amour	nt Packer	Loc	cation	
	ND DEPTH PLACED	Amoun	BRIDGES	1 1/2/10/10/10	G AND TU	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
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		_G3: News				369
		DANE CONTRACTOR	District Annual Control	lui i		
						N
2.11.19 January 2.11.12 (1.5.1)			William Tally Water State Co.			
Orillers' Names	23375	and the state of				agtion of
Remarks:						and the second second second second
Kemarks.			e Well Sorvice	ir - Stat		
7. 1022		01.01	A Hole 1900-		51.1	1
	10 Ottom	1.4.11	- 00h / Dinks	Park		11
	061-48		200. 25 40	4721	Enna	
			(Dowell)		1111	
	I hereby certify I visi	ted the above w	vell on this date.			
DATE						

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

## INSPECTOR'S WELL REPORDEPT. OF MINES

Permit No. 019-05	13Frac			Oil or	Gas Well G	AS
Company Ash	lAnd	CASING AND	USED IN DRILLING	LEFT IN WELL	PACK	ERS
Address As	hland, Ky	Size				2001
Farm H. T. 5,	mArr	16			_ Kind of Pacl	cer
Well No. #2		10			Size of	
District Dalley	County fayette	81/4				
Drilling commenced		65%	and the second second		_ Depth set	
Drilling completed	Total depth	3			Perf. top	
Date shot	Depth of shot	2			Perf. bottom	
Initial open flow	/10ths Water in	_Inch Liners Used_			Perf. top Perf. bottom	
Open flow after tubing	/10ths Merc. in	_Inch				
Volume	C	u. Ft. CASING CEM	MENTED	SIZE	No. FT	Date
Rock pressure	lbs	hrs. NAME OF S	SERVICE COMP.	ANY		
Oil	bbls., 1st 2-	4 hrs. COAL WAS	ENCOUNTEREI	AT	FEET	INCHES
Fresh water	feet	_feetFEI	ETINC	HES	_FEET	INCHES
Salt water	feet	feet  FEI	ETINC	HES	_FEET	INCHES
Drillers' Names						Remain
Access				4		
(Co. Re	paired Road	for land	10 ween)			

Form 26 2/16/82

#### STATE OF WEST VIRGINIA

#### **DEPARTMENT OF MINES**

OIL AND GAS WELLS DIVISION

## MOISIVIE BAD & JID INSPECTOR'S PLUGGING REPORT

Permit No.					Vell No	Λ
			ADDRESS			V split ti
FARM		DISTRICT	C			
illing Material Used				bland	45.	
			16.9	fortilend	7	
iner Loc	eation	Amount	Packer	Location		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
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		TELESCOPE NAME	Mana Lend Tare el Walland			
		years y				
Orillers' Names						
			Sagarka	and.		
Remarks:						
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			1 Read Con 1		O. 7	10
	I hereby certify I vis	ited the above wel	l on this date.			1
DATE						
	Est 11			STRICT WELL IN	CRECTOR	5 1



#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

DEFT. OF MINES INSPECTOR'S WELL REPORT
Permit No. 019-05/3 frac

Oil or Gas Well 9A5

			(KIF	(0)	
Company AshlAnd	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACK	ERS
Address AshlAnd, Ky	Size			and the same of th	o se godin
Farm Hete Smarr	16			Kind of Pac	ker
	13				
Well No. #2	10			Size of	
District VAlley County Fayette	81/4				
Drilling commenced /1/2/84	65%			_ Depth set_	
	5 3/16				
Drilling completed ///9/84 Total depth	3			Perf. top	
Date shotDepth of shot	2			Perf. botton	1
Initial open flow/10ths Water inInch	Liners Used			Perf. top	
				Perf. botton	1
Open flow after tubing/10ths Merc. inInch					
VolumeCu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
Rock pressure lbs. hrs.	NAME OF SER	RVICE COMPA	ANY		
Oilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
Fresh waterfeetfeet	FEET	INC	IES	_FEET	INCHES
Salt water feet feet	FEET.	INCI	IES	_FEET	INCHES
Dell'and Market					
Drillers' Names					
Remarks: 10 CAtion & Road Not.	ReclAime	d			
To Wet to Complete	at this t	ine			

Roy Della

#### STATE OF WEST VIRGINIA

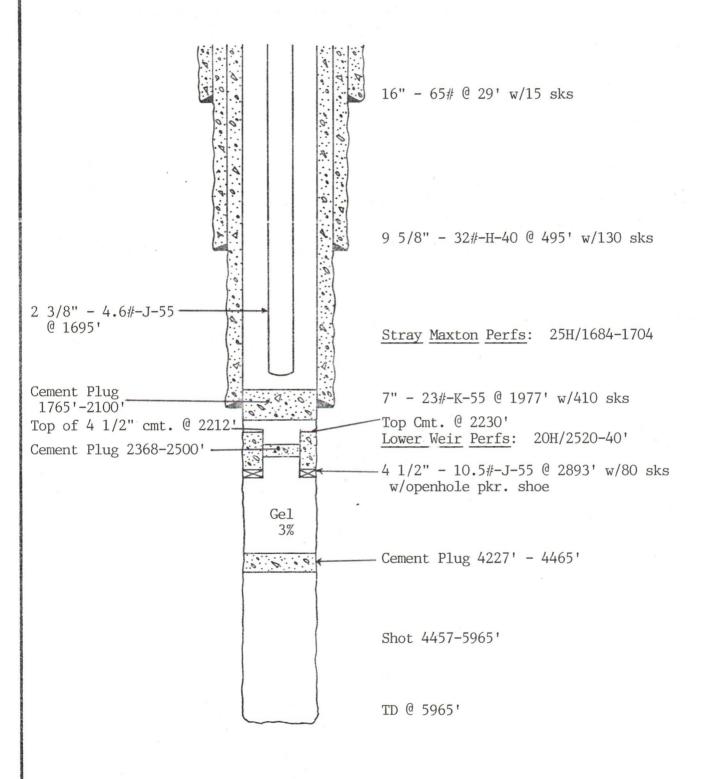
#### **DEPARTMENT OF MINES**

#### **OIL AND GAS WELLS DIVISION**

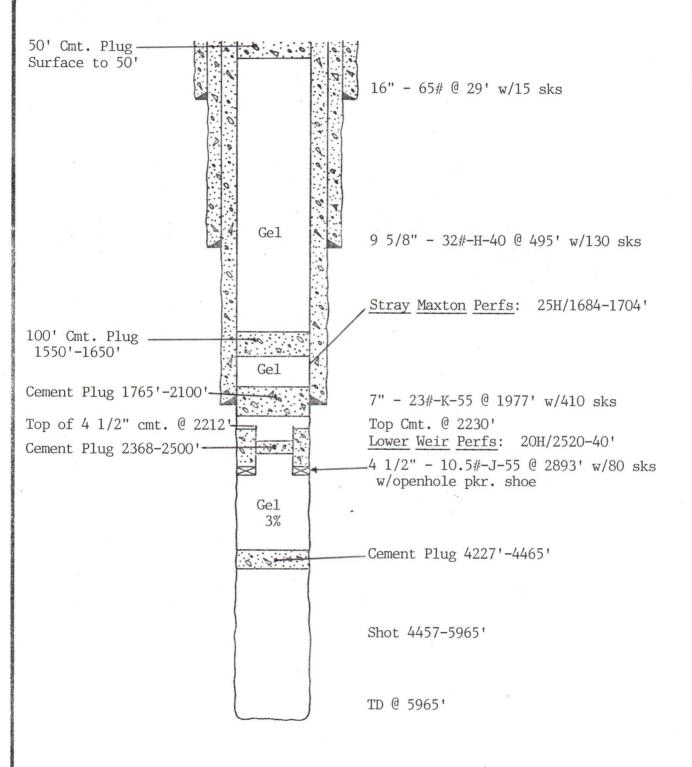
### **INSPECTOR'S PLUGGING REPORT**

ARM	Permit No				V	Vell No	75771
iner Location Amount Packer Location  PLUGS USED AND DEPTH PLACED BRIDGES CASING AND TUBING  CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOST	COMPANY	10 C		ADDRESS	1513 fire	7-61	5
iner Location Amount Packer Location  PLUGS USED AND DEPTH PLACED BRIDGES CASING AND TUBING  CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOST	FARM		_ DISTRICT _	(	COUNTY		an the Zera
PLUGS USED AND DEPTH PLACED BRIDGES CASING AND TUBING CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOST		- 1.72 V			1 414	13/8	
PLUGS USED AND DEPTH PLACED  CEMENT-THICKNESS  WOOD-SIZE  LEAD  CONSTRUCTION-LOCATION  RECOVERED  SIZE  LOST  LOST	Filling Material Used			19	1 Modern	A	3279
CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOST	iner Loc	eation	Amount	t Packer	Lo	cation	
LIA HELE  A CARD A THE	PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
	CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
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Drillers' Names							
ENCHES ENCHES ENCHES INCHES ENCHES	Drillers' Names						
	andmi teni	sarow_	100	2000	3865		
			1336.12				
			Just 3	47 14 stillar	+ to C		
ACCOMPANIE POST NO FECTOR							
		I hereby certify I visi	ted the above we	ell on this date.			
I hereby certify I visited the above well on this date.	DATE						

#### EXISTING



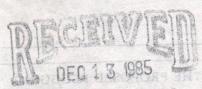
#### PROPOSED PLUGGING PLAN



H.T. SMARR NO Z FEB 1 - 1985 FAYETTE CO, WV OIL & GAS DIVISION DEPT. OF MINES 95/8"@ 495 STRAY MAKTON 23/8" 4.6" JEE 10RD PERF 25H/1684-1704 @ 1695 TOP OF PLUG 1765' 7"@ 1977 CUT 41/2" @ ZZIZ TOG 2230 A.D.D. 105x PLUG 2368-2500' LOWER WEIR PERF 20H/2520-2540 41/2" 10.5# JE5 STL @ 2892 W/ OH PKR 3% GEL SHOE TOP OF PLUG 4227 PLOG W/ 30 SX CL A DODD SET BRUSH PLUG @ 4465 SHOT 4457-5965 DTD 5965 LTD 5963

OIL & GAS DIVISION

DEPT. OF MINES





1)	Date: Decemb	er 4,	stri (	2 Y Y -	85
2)	Operator's T.	Smarr	etal	No.	2
	API Well No.	47	. 019		0513 P

County

Permit

File

State

STATE OF WEST VIRGINIA

DIVISION OF OIL & DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
DEPARTMENT OF ENERGY
APPLICATION FOR A PERMIT TO PLUG AND ABANDON A WELL

X WELL TYPE: A Oil \_\_ Liquid injection\_ / Waste disposal B (If "Gas", Production 1545.I Underground storage) LOCATION: Valley Pax WELL OPERATOR Ashland ExplorationODE 2750 County: Quadrangle: 7) DESIGNATED AGENT FORLES Forrest Burket Address P. O. Box 391 Brenton, WV 24818 Ashland, KY 41114 OIL & GAS INSPECTOR TO BE NOTIFIED 9) PLUGGING CONTRACTOR To be determined later. Rodney Dillon Name\_ Name P. O. Box 30 Address \_ Address Scarbro, WV 25917 10) WORK ORDER: The work order for the manner of plugging this well is as follows: Well was plugged back to current TD (1765') under permit 47-019-0513 Frac. (See attached diagrams) 1765' - 1650' Gel Water 1650' - 1550' Cement 1550' - 50' Gel Water 50' - Surface Cement 3' monument at surface with indentification. OFFICE USE ONLY **PLUGGING PERMIT** 47-019-0513-P December 31 Date This permit covering the well operator and well location shown below is evidence of permission granted to plug 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 24 hours before actual permitted work has commenced.) The permitted work is as described in the Notice and Application, plat, subject to any modifications and conditions on the reverse hereof. Permit expires December 31, 1987 unless plugging is commenced prior to that date and prosecuted with due diligence. Plat: Casing WPCP OTHER Bond: Agent: Division of Oil & Gas NOTE: Keep one copy of this permit posted at the plugging location

#### OFFICE USE ONLY

#### PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED PLUGGING

	OFFICE USE ONLY
follow-up inspections.	o record the dates of certain occurrences and any
Date	
Application received	Follow-up inspection(s)
Plugging started	" " OFFICE USE ONLY
Plugging completed	" " PETIGGING PERMIT
Well Record received	u "
	This permit coverns the well operator and well togethors shown below is evidence of permits to gain quite mand on the reverse hereof thought and many become actual permitted work has commenced.)
Reason:	The permitted work is as described in the Notice and Amplication, also subject from
Reason:	106194 3759791

File

## FORM WW-4(A) Obverse



DIVISION OF DIL & GAS DEPARTMENT OF ENERGY

1)	Date:	December	4	, 19	85
	Operat			-	

2) Well No. H. T. Smarr etal NO. 2

3) API Well No. 47 - 019 - 0513 p

State County Permit

## STATE OF WEST VIRGINIA DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

NOTICE OF APPLICATION	N TO PLUG	AND ABANDON A WELL
4) SURFACE OWNER(S) OF RECORD TO BE SERVED	5 (i)	COAL OPERATOR
(i) Name Glenn Wriston		Address
Address 121 Second Ave.	- 4	
Fayetteville, WV 25840	5 (ii)	COAL OWNER(S) WITH DECLARATION ON RECORD :
(ii) Name		Address Box 175
Address		Hansford, WV 25103
in the second of the light by a soliton Maly and	5 (iii)	COAL LESSEE WITH DECLARATION ON RECORD:
(iii) Name		Name
Address		Address
A CONTROL OF STATE OF		
(1) The Application to Plug and Abandon parties involved in the work, and de plugging work order; and (2) The plat (surveyor's map) showing the THE REASON YOU RECEIVED THESE DOCUMENTS I WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON (FORM WW-4(B)) DESIGNATED FOR YOU. HOWEVER, Y Take notice that under Chapter 22B of the proposes to file or has filed this Notice and Permit to plug and abandon a well with the Dir Virginia Department of Energy, with respect to attached Application and depicted on the attac Application, and the plat have been mailed by to the person(s) named above (or by publicatio of mailing or delivery to the Director.	a Well on Form escribes the we the well location  S THAT YOU HAVE THE REVERSE SI YOU ARE NOT REC  West Virginia Application are ector of the I the well at the bed Form WW-6.	WW-4(B), which sets out the sell and its location and the on on Form WW-6.  TE RIGHTS REGARDING THE APPLICATION DE OF THE COPY OF THE APPLICATION DUIRED TO TAKE ANY ACTION AT ALL.  Code, the undersigned well operator d accompanying documents for a ivision of Oil and Gas, West he location described on the Copies of this Notice, the
The truth of the information of	WELL	
The truth of the information on the Notice and Application is verified and sworn to and the	OPER	ATOR Ashland Exploration, Inc.
Notice is signed on behalf of the Well Operato in my County and State by	r By	W. Mark Parks W. Mah fashs
W. Mark Parks	Its_	Staff Engineer
This 4th day of December , 1985.	Addr	ess P. O. Box 391
My commission expires September 14, 1987.		Ashland, KY 41114
Notary Public, State-at-Large County,	Tele	phone (606) 329-5989
State of Kentucky		

#### INSTRUCTIONS TO APPLICANT

#### CONCERNING THE LINE ITEMS.

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Division 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 § 22B-1-9(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 § 22B-1-36.

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22B-1-6 and Regulation 7.02 provide that the original and two copies of the Application must be filed with the Director, accompanied by (i) an original and four copies of the Notice, (ii) an original and four copies of a plat in the form prescribed by Regulation 11, and (iii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22B-1-26.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § \$ 22B-1-9 and 22B-1-23.

## STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS WELLS DIVISION

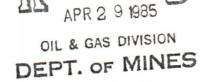
#### AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

STATE OF WEST VIRGINIA, County of Fayette ss:	H. T. S  Valley  Fayett  WELL NO.  H. T.  Rodney Dillon  FIDAVIT  and Tom depose and say to	WELL AND LOCATION  THE STATE OF	41114 s 19 86 District County
Address  Ford Coal Co.  Coal Operator or Owner  Box 175, Hansford, WV 25103  Address  Glen Wriston  Lease or Property Owner  121 Second Ave., Fayetteville, WV 25840  Address  STATE INSPECTOR SUPERVISING PLUGGING  AFF  STATE OF WEST VIRGINIA,  County of Fayette  Jerry Legg  Deing first duly sworn according to law of or plugging and filling oil and gas Inc.  Well operator, and	H. T. S  Valley  Fayett  WELL NO.  H. T.  Rodney Dillon  FIDAVIT  and Tom depose and say to	Complete Address Smarr #2 WELL AND LOCATION THE 47-019-0513P Smarr	19 86  District  County
Ford Coal Co.  Coal Operator or Owner  Box 175, Hansford, WV 25103  Address  Glen Wriston  Lease or Property Owner  121 Second Ave., Fayetteville, WV 25840  Address  TATE INSPECTOR SUPERVISING PLUGGING  AFF  TATE OF WEST VIRGINIA,  ounty of Fayette  Jerry Legg  eing first duly sworn according to law ook of plugging and filling oil and gas Inc. , well operator, and	Valley Fayett  WELL NO.  H. T.  Rodney Dillon  FIDAVIT  and Tom depose and say to	WELL AND LOCATION THE  47-019-0513P  Smarr	19 <u>86</u> District County
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eing first duly sworn according to law ork of plugging and filling oil and gas Inc. , well operator, and	depose and say t	Hatrield	
ork of plugging and filling oil and gas Inc. , well operator, and	really and rows	that they are experie	enced in the
ig the above well, that said work was compared $86$ , and that the well was plugged a	ommenced on the	5th day ofF	ebruary,
		garange. I promise to a final	
Sand or Zone Record Filling	Material	Plugs Used	Casing
		Size & Kind	CSG CSG
Formation		Size a Kind	PULLED LEFT IN
.465-TD	r		+
227-4465 Cmt plug 2500-4227 6% gel wt			
2500-4227 6% gel wt 2368-2500 Cmt plug	, L		1
2100-2368 6% gel wt	r		
1765-2100 Cmt plug			
1500-1765 6% gel			
1400-1500 Cmt plug			
100-1400 6% gel			
0-100 Cmt plug		4 1/2	" 2212 681
		7''	0 1977
		9 5/8	
		16"	0 29
		11111	1100
			3/17/80
Coal Seams		Description o	f Monument
Name)	The state of the s	3' @ surface w/io	dentification
Name)			
Name)			
Name)			
and that the work of alwaying and f	illing and	l una complete d'action	ho 3
and that the work of plugging and fife february , 19 86.	TITING Said Wel	was completed on the	ne5th day
The Constant of	11/2	6 1 31.	
And further deponents saith not.	Deres	rs. Ilma	
	F	eering Technician	
	r.noina		, 19 86
THE TAXABLE		7	
THE TAXABLE		1 . 1	
THE COURSE OF THE PARTY OF THE		Hella C Bailer	
worn to and subscribed before me this _		1 . 1	
		Nella C Bailer Notary Public	019-0513



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



FINAL INSPECTION REPORT

COMPANY	Ashland Exp. Ashland, Kg	PERMIT NO 019-05/3 frac
	Ashland, Ky	FARM & WELL NO H. T. SMACT #
		DIST. & COUNTY OALLEY / Payette
RULE	DESCRIPTION	IN COMPLIANCE YES NO
23.06 25.04 25.03 16.01 15.03 15.02 15.01 15.04 15.05 23.02 25.01 23.04 23.05 23.07 16.01 16.02 7.05	Notification Prior to Starting Wo Prepared before Drilling to Preve High-Pressure Drilling Required Permits at Wellsite Adequate Fresh Water Casing Adequate Coal Casing Adequate Production Casing Adequate Cement Strenght Cement Type Maintained Access Roads Necessary Equipment to Prevent Wa Reclaimed Drilling Pits No Surface or Underground Polluti Requirements for Production & Gat Well Records on Site Well Records Filed Identification Markings	ste on
I HAVE I	INSPECTED THE ABOVE CAPTIONED WELL	AND RECOMMEND THAT IT BE RELEASED:
		DATE 4-24-85
with Cha	ll record was received and reclamatapter 22, Article 4, Section 2, the for the life of the well.	ion requirements approved. In accordance above well will remain under bond  Administrator-Oil & Gas Division  April 30, 1985  DATE



### INSPECTOR'S PERMIT SUMMARY FORM

12-31-85

WELL TYPE GAS		API# 47-	019 - 0513-P
ELEVATION 1545			Ashland
DISTRICTValley			N. Carlos
QUADRANGLE Pax			Ston
COUNTYFayette			Smarr 2
SURFACE OWNER Wriston,			
TARGET FORMATION	DATE A	PPLICATION I	RECEIVED /- 4-86
DATE STARTED LOCATION	NOTIFIED 4	oes DRI	LLING COMMENCED 3-5-
WATER DEPTHS,		Z+11, _	3/10/2
COAL DEPTHS,	,	,	
	CASIN		
Ranfeet of			
Ranfeet of	''pipe	on	_withfill up
Ranfeet of	"pipe	on	with OL ANDIGAS
	r-r		
TDfeet on_			
			MAY 5 1986
	PLUGG	ING	
Туре	From	То	Pipe Removed
23/8	1695'	0	1695'
A STATE OF THE STA			
Pit Discharge date:	Туре		
Field analysis		fe	c1
Well Record received			
Date Released 5-	2-86		

Inspector's signature

## API# 47 0/9 - 05/3 P

### LIST ALL VISITS FOR THIS PERMIT

## Tri- State Well Service

DATE	TIME	PURPOSE	COMMENTS	
1-9-86	Porch	at 1t	before Plue	
1 100	200 K		igoa Pring	
2-5-86	Due	2 23/8		
		11 1		
	Cm+.	1695-159	S	
	Gel	1595' - 50	),	
	Cmt.	50, - 0		
4-18	Radio	ed + Seeder		
ZAD GAS	MCC/A,M	ed & Seedel		
			44	
				-
				3
		100	31/2 2/2	
.93				

Notes



# STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS 1615 Washington Street, East Charleston, West Virginia 25311 Telephone: 348-3500

ARCH A. MOORE, JR. Governor

Ashland Exploration, Incorported Post Office Box 391 Ashland, Kentucky 41114 John Johnston Director

Glen Wriston

In Re: Permit No: 47-019-0513-P

Farm: \_

May 8, 1986

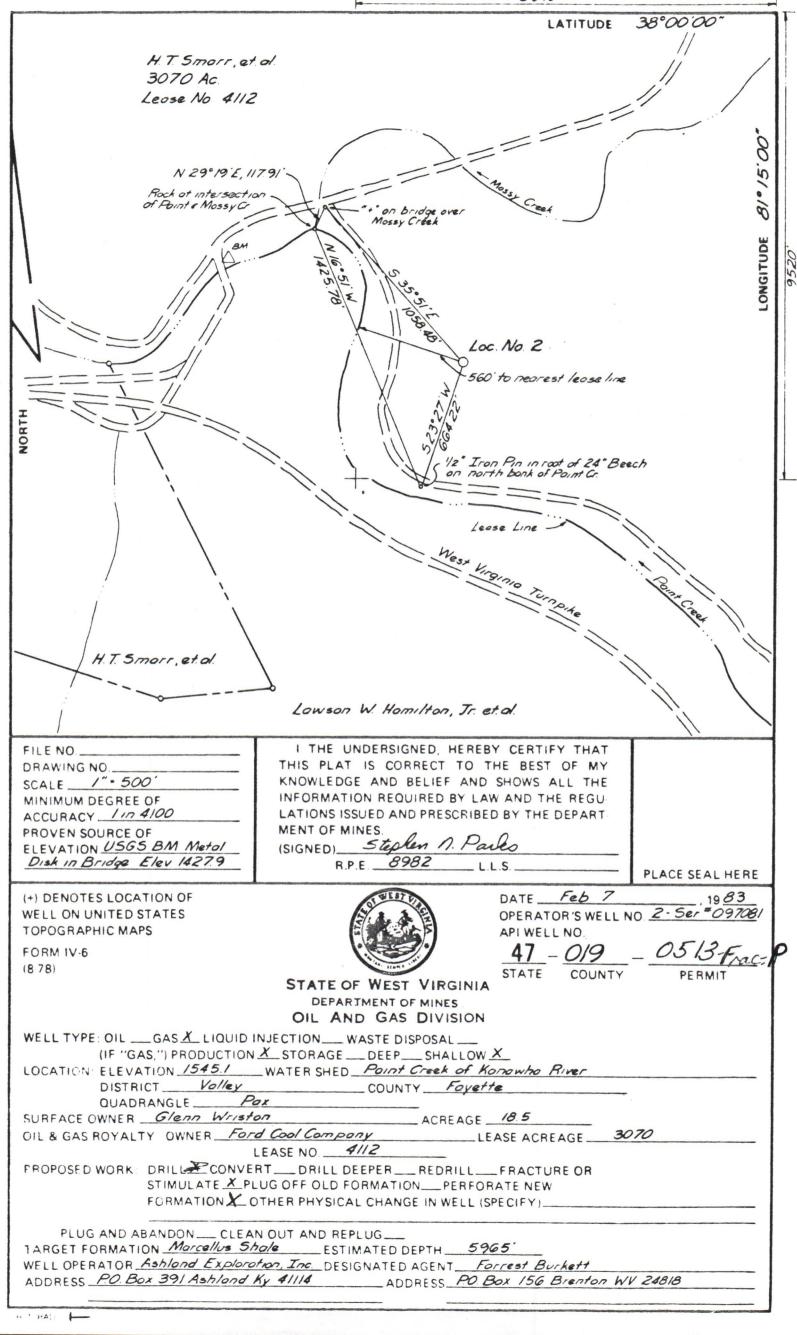
	Well NO:	Smarr 2
	District:	Valley
	County:	Fayette
	Issued:	12-31-85
Gentlemen:		
The FINAL INSPECTION REPORT for the above coffice. ONLY the Column checked below applies:	aptioned well has	been received in this
The well designated by the above captioned XXXX your Blanket Bond.	permit number has	been released under
Please return the enclosed cancelled single by the above captioned permit number to the in your behalf, in order that they may give	surety company th	at executed said bond
Your well record was received and reclamati with Chapter 22B, Article 1, Section 26, the bond coverage for life of the well.	on requirements ap le above captioned	proved. In accordance well will remain under

Respectively,

Theodore M. Streit

Deputy Director--Inspection & Enforcement

TMS/ nw



DATE

#### STATE OF WEST VIRGINIA

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION
DEPT. OF MINES

DISTRICT WELL INSPECTOR

#### INSPECTOR'S WELL REPORT

Permit No. 019-05/3 FRAC	104A		Oil or	Gas Well GAS
Company Ashland	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address Ashland, Ky	Size			Tuffing Maissan filed La
A cools of	16			Kind of Packer
Farm H. T. SMARR	13	1		
Well No. #2	10		ueosev [	Size of
District VAlley County FAY.	81/4			
Drilling commenced	6%			Depth set
Drining commenced.	5 3/16			
Drilling completedTotal depth	3			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		1		Perf. bottom
VolumeCu, Ft.  Rock pressurelbshrs.  Oilbbls., 1st 24 hrs.  Fresh waterfeetfeet	CASING CEMENT NAME OF SER	VICE COMPA	NY H	No. FTDate  OlliBurton  FEETINCHES
Salt water feet feet	FEET_	INCH	ES	_FEETINCHES
Drillers' Names TRI - State Well	Service	,		
Remarks: //- 5-84 Run in Hol Plyg At 4227' 238' Run 2886' 41/2 Casing 1-6-84 Perf. Well 20 Holes 3 -7-84 Frac Well Hallibur. -9-84 SWAB Well	Coment	Gel	+ P/c from	Plug To 2900

Form 26 2/16/82

#### STATE OF WEST VIRGINIA

#### **DEPARTMENT OF MINES**

#### OIL AND GAS WELLS DIVISION

## PER SIND TO THE INSPECTOR'S PLUGGING REPORT

OMPANY	16 18 1		ADDRESS	ALICA CANAL	Part I	
ARMDISTRICT			COUNTY			
	2.75 W \$2.86		1982 m	130110		
illing Material Used				1/1/2/1	V - 27/	
Liner Location A PLUGS USED AND DEPTH PLACED		Amoun	t Packer	Location  CASING AND TUBING		
			BRIDGES			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
						11
analis seria pagara asar 38,500 P.						
				23:50:3		
				2755		
275 to 1555						
115						
Towns of Many	\$ 12					,
311,3800100	A STATE OF THE	V 5 1775 S.	) EM. 7		C 874	
	L CA CITE		e in the property of the state of			
Orillers' Names			1655			
			STATE TO A STATE OF THE STATE O			on decimality and a
Remarks:						
			WED 1888 1.6			
	I houghy ocatifu I aid	tad the chave	ell on this date.			
DATE	I nereby certify I visi	ted the above w	en on this date.			