



)	Date:	December	27.	1984	
			-		Ī

2) Operator's Lyons F-2

Well No .\_ 47 3) API Well No. County Permit

## OIL & GAS DIVISION DEDT OF MINES

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

DEFI						TION FOR A WE	LL WORK PERM	<u>IT</u>	
4) WELL T	YPE: A	Oil		Gas	Χ /				
	В	(If "Gas"	Production	on _		/ Underground	storage	/ Deep	/ ShallowX/)
5) LOCATION	ON: E	levation:	68 Murp	30'		Watershed:	South Fo	rk of Hughe	s River
6) WELLO	PERATOR	Sha	le Se	rvi	ce I	County:	ALCCHIE	Quadrangle: _	McFarlan 7.5'
Addre	SS	P.0	. Box	83	· ·	114573	/) DESIGNATI	ED AGENT D.	L. Stewart  O. Box 83
Addic	33	Har	risvi	140	WV	26362	Address		
8) OIL & G	AS INSPEC					20302	O) DRILLING		risville, WV 26
	Samu						9) DRILLING		
	ss P.O.	Service and the service of the servi	WALLEY TO SELECT THE PROPERTY OF THE PARTY O				Address	D O Par	rvice, Inc. 83
	Smit	hvill	e WV	21	5170			TT · ·	
10) PROPOS	ED WELL	WORK.	Deill	X	/ D=:1	1 1	( B ! !!!	/ Stimulate	lle, WV 26362
10) 1 ROT 05.	LD WELL	WORK.	Plug o	ff old	formation	n/ Perfo	/ Redrill	/ Stimulate	<b>K</b> /
11) GEOLOG	ICAI TAR	GET FOR	MATION	Jilysicai	A l ox	ander Sand	a .		
12) Estim	ated depth	of comple	ted well	',	5200	feet	<b>'</b>		
						feet; sal			
14) Appr	oximate cos	al seam der	other		2/2	reet; sar		he area? Yes	
15) CASING	AND TUR	ING PRO	GRAM		ш/а	IS CC	bai being mined in the	ne area? Yes	/ No/
CASING OR TUBING TYPE		SPEC	CIFICATION   Weight	1	, 1		INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
Conductor	113,	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
Fresh water	113	4			X	40'	100000000000000000000000000000000000000		Kinds
Coal									
Intermediate	8 5/8	CW	22 11	v		700.	-0-		Sizes
Production	4 1/2		23 11	(A)		780'	780'		py rule 15.05
Tubing	7 1/2	ENW	29.5	X			52001	2000' Fill	Depths set
Liners				and the same of the same			THE STATE OF THE S		as required
								-	personate 15.01
		2.1003.1361	grid the	TUFF.	\$150 IA	description in	av to turcand		Top Bottom
7	La L						315		1
			5.1	E I I I I I	Signal I	OFFICE USE (	ONI V		Service of the servic
						DRILLING PE			The second section of the second section of the second section
		/7 001	- 707/			DRIEDINGTE	IXIVII I		
Permit number_		47-085	0-1214				-	Dec	ember 27, 19 84
								Dat	
This permit cove	ering the we	ell operato	or and wel	locatio	on shown	below is evidence of	of permission grant	ed to drill in accordan	ce with the pertinent legal re-
TION OF A REOR OF	ne combu uc	HOH OF TO	tus, iocau	ons and	DIES TOF S	anv nermilled work	in addition the u	given to the District Oil	and Gas Inspector, (Refer to tractor shall notify the proper
district oil and g	as inspecto	r 24 hours	before ac	tual pe	rmitted w	ork has commenced	i.)	ven operator of his con	tractor snall notify the proper
The permitted w	ork is as de	scribed in	the Notice	e and A	pplication	n, plat, and reclama	ition plan subject	to any modifications -	nd conditions specified on the
reverse hereof.						., plan, and rectame	ation plan, subject	to any modifications a	nd conditions specified on the
Permit expires _	ресе	mber 2	27, 198	36		unless well	work is commenced	d prior to that date and	prosecuted with due diligence.
				25					r auc amgence.
Bond:	Agent	. A F	Plat:	Casin	o	Fee			
182	in	. 1 10	0	200	11 1		20		1
101	11/1	UVI	1/1	1111	Jd	486	1//	0	ROBERTA /
		MIN.				/	larg	aret )	Lasse
NOTE: V						No. of the last of	Adm	inistrator, Office of O	il and Gas
NOTE: Keep of	ne copy of	tnis permi	t posted a	t the dr	illing loca	ation.	. //		
							1/		File

Reason:



RENT OF BEINER OF LABOR	TRAINCE	n smar	THE CARL ID II
OFFICE USE ONLY		ESVIA	A BOUTE

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

10 1 10 10 10 10 10 10 10 10 10 10 10 10	OFFICE USE ONLY	100
This part of Form IV-2(b) is to record the da	ates of certain occurrences and any fol	low-up inspections.
Da	ate	Date(s)
Application received	Follow-up inspection	n(s)
Well work started	, PRINTED OF PERSON	47=085=7274
process		on flow this role and flow old generos interested end panished rediffer collection and a section
Well Record received	to interest the comments of the value of	o, al film of the county selection of come for filming actions as a control of the control of the Northean and the Northean a
Reclamation completed		versa hereof crimit explicits - December 27, 1986
OTHER INSPECTIONS	R. P. 100   Ania	Bond on Agent Pig & C
Reason:	1 1 98 PG	187 MM 181

1) Date: <u>December 27</u>, 1984 2) Operator's Tracks F-2

Well No. Lyons F-2

3) API Well No. 47-085- 7274
State County Permit

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

MOTICE	OF	APPLICATION	FOR	A	WET.T.	שפרש	DEDMITT

(i) Na		vaco	O BE SERVED	5(i)	COAL OPERATOR	
(ii) Nar	Rupe		25984	5(ii)	COAL OWNER(S) Name Address	WITH DECLARATION ON RECO
(iii) Nam Add	ne iress				NameAddress	
			ency specific	5(iii)	COAL LESSEE W. Name Address	TH DECLARATION ON RECORD:
TO THE	PERSON(S) NO	AMED ABOVE:	You should have been	we receive	Address ar	d the following documen

(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

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

The truth of the information on the Notice and Application is verified and sworn to and the Notice is	WELL OPERATOR Shale Service, Inc.
signed on behalf of the Well Operator	Q P /
in my County and State by	Its President
7 1100 11-110	resident
discom les 1900	Address P.O. Box 83
My commission expires 6/13, 1994.	Telephone Harrisville, WV 2636
disa D. Dibson	643-4711
Notary Public, Katche County,	

6) EXTRACTION RIGHTS

Check and provide one of the following:

Included is the lease or leases or other continuing contract or contracts by which?

I hold the right to extract oil or gas.

The requirement of Code 22-4-1-(c)(1) through (4). (See reverse side for specifies 3)

7) ROYALTY PROVISIONS

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

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

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.

DECENVED

FORM IV-2(B) Reverse

SURFACE OWNER'S COPY



## INSTRUCTIONS TO SURFACE OWNERS **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 Adminisatrator's office or an Oil and Gas Inspector to obtain a copy of the list.

DEPT. OF MINES



OIL & GAS DIVISION State of West Hirginia

Department of Mines Oil und Vas Division

Date March	8. 1985
Operator's	
Well No.	F-2
Farm D	Lyons
APT NO 117	

WELL OPERATOR'S REPORT

OF .
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

	uth Fork	Hughes I	River	
District: Murphy County Ri				an
OMPANY Shale Service Inc.	1: 380			
DDRESS Harrisville. WV 26362	Casing	Used in	Left	Cerrent
ESIGNATED AGENT D.L. Stewart	Tubing	Drilling		fill up Cu. ft
DDRESS Harrisville WV 26362	Size			
URFACE OWNER Westvaco Corporation	20-16 Cord.			
DDRESS Rupert. WV	13-10"			
INERAL RIGHTS OWNER Alkire Heirs	9 5/8			
DDRESS	0 5 /0	8001	000.	
IL AND GAS INSPECTOR FOR THIS WORK Samuel N.	7	808'	8081	to surf
Hersman ADDRESS Smithville, WV 26178	5 1/2			
ERMIT ISSUED December 27, 1984	4 1/2	01:07	o li o s	
RILLING COMMENCED 1/3/85	: 3	2407	2407	2200
RILLING COMPLETED 1/7/85	2			
F APPLICABLE: PLUGGING OF DRY HOLE ON ONTINUOUS PROGRESSION FROM DRILLING OR WORKING. VERBAL PERMISSION OBTAINED	Liners used			. 69
OLOGICAL TARGET FORMATION DOWN IN THE		Depth	1500	fee
Depth of completed well 3700 feet Rowater strata depth: Fresh N/A feet; School Seam depths:	salt N/	_/ Cable A feet		aron2 No
Water strata depth: Fresh N/A feet; S  Coal seam depths: None	salt N/	_/ Cable A feet		area?NO
Water strata depth: Fresh N/A feet; S  Coal seam depths: None  EN FLOW DATA	otary x Salt N/ Is coal b	_/ Cable A feet eing mined	l in the	area? No
Water strata depth: Fresh N/A feet; S  Coal seam depths: None  EN FLOW DATA  Producing formation Warren, Speechley, Balltown, Ale	Salt N/	_/ Cable A feet eing mined zone depth	l in the	area? <u>NO</u>
Depth of completed well 3700 feet Row Water strata depth: Fresh N/A feet; See Coal seam depths: None  EN FLOW DATA  Producing formation Warren, Speechley, Balltown, Ale Gas: Initial open flow 200 Mcf/d Completed Row 200 Mcf/d Row 200 Mcf/d Completed Row 200 Mcf/d Row 20	Salt N/.  Is coal becander Pay  il: Init	_/ Cable A feet eing mined zone depth ial open f	in the 1500	feet
Water strata depth: Fresh N/A feet; S Coal seam depths: None  EN FLOW DATA  Producing formation Warren, Speechley, Balltown Ale Gas: Initial open flow 200 Mcf/d  Final open flow 200 Mcf/d	Salt N/ Is coal be exander Pay il: Init	_/ Cable A feet eing mined zone depth ial open flo	1500  low Show	feet Bbl/d
Water strata depth: Fresh N/A feet; S Coal seam depths: None  EN FLOW DATA  Producing formation Warren, Speechley, Balltown, Ale Gas: Initial open flow 200 Mcf/d  Final open flow 200 Mcf/d  Time of open flow between initia	Salt N/  Is coal be example Pay Fina l. and fina	_/ Cable	1500 low show	feet Bbl/d Bbl/d
Water strata depth: Fresh N/A feet; S  Coal seam depths: None  EN FLOW DATA  Producing formation Warren, Speechley, Balltown, Ale Gas: Initial open flow 200 Mcf/d  Final open flow 200 Mcf/d  Time of open flow between initia  Static rock pressure 675 psig (surface)	Salt N/ Is coal became Pay Vil: Init Fina Land fina	_/ Cable	1500 low show	feet Bbl/d
Water strata depth: Fresh N/A feet; S Coal seam depths: None  EN FLOW DATA  Producing formation Warren. Speechley. Balltown. Ale Gas: Initial open flow 200 Mcf/d  Final open flow 200 Mcf/d  Time of open flow between initial Static rock pressure 675 psig(surface)  (If applicable due to multiple completion	Salt N/ Is coal becamer Pay il: Init Fina l.and fina measurement	_/ Cable	1500 low_show Show hours	feet Bbl/d Bbl/d s shut in
Water strata depth: Fresh N/A feet; S Coal seam depths: None  EN FLOW DATA  Producing formation Warren. Speechley. Balltown. Ale Gas: Initial open flow 200 Mcf/d  Final open flow 200 Mcf/d  Time of open flow between initial Static rock pressure 675 psig(surface)  (If applicable due to multiple completion	Salt N/ Is coal becamer Pay il: Init Fina l.and fina measurement	_/ Cable	1500 low_show Show hours	feet Bbl/d Bbl/d s shut in
Water strata depth: Fresh N/A feet; S Coal seam depths: None  EN FLOW DATA  Producing formation Warren. Speechley. Balltown Ale Gas: Initial open flow 200 Mcf/d  Final open flow 200 Mcf/d  Time of open flow between initia  Static rock pressure 675 psig (surface  (If applicable due to multiple completion— Second producing formation	Salt N/  Is coal be exander Pay vil: Init Fina l and fina measurement)	_/ Cable _/ Cable	1500 low_show Show hours	feet Bbl/d Bbl/d s shut in
Water strata depth: Fresh N/A feet; S Coal seam depths: None  EN FLOW DATA  Producing formation Warren. Speechley. Balltown Ale Gas: Initial open flow 200 Mcf/d  Time of open flow between initia  Static rock pressure 675 psig (surface  (If applicable due to multiple completion— Second producing formation  Gas: Initial open flow Mcf/d O.	Salt N/ Is coal became Pay vil: Init Fina l and fina measurement  Pay 2  il: Initi	_/ Cable	1500 low_show hours hours	feet Bbl/d s shut in feet Bbl/d
Water strata depth: Fresh N/A feet; S Coal seam depths: None  EN FLOW DATA  Producing formation Warren. Speechley. Balltown Ale Gas: Initial open flow 200 Mcf/d  Final open flow 200 Mcf/d  Time of open flow between initia  Static rock pressure 675 psig (surface  (If applicable due to multiple completion— Second producing formation	Salt N/ Is coal be exander Pay vil: Init Fina l. and fina measurement)  Pay 2 il: Initi il: Final	_/ Cable	1500 low show hours the hours low hours	feet Bbl/d s shut in feet Bbl/d Bbl/d Bbl/d

(PEVERSE)

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

Form 26 2/16/82

OR

0: . 1 ar . I ar ha ar . I ar 18 ar ha in nj ha an ha än or or an ha st ha nd ha an pe ha al an ha le ha

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

## INSPECTOR'S PLUGGING REPORT

OMPANY			ADDRE	SS		7-3.5	
)MPANY	the state of the s	DIGTRICT		C	OUNTY		Angerrale of the
COMPANY DISTRICT _				or Buc.		1289	
lling Material Used							
iner Loca	ation	Amo	ount	Packer	Loc	ation	
THE RESIDENCE OF THE PARTY OF T	ND DEPTH PLACED		E	BRIDGES	CASIN	G AND TU	BING
Market and the second s	WOOD-SIZE	LEAD	CONSTR	UCTION-LOCATION	RECOVERED	SIZE	LOS
CEMENT-THICKNESS	WOOD-SIZE	0 8	5 9	7-0		1	45
and the same party and an order	7.28 39	90	- CO	and spirit and	1	200	
THE LEADING SCHOOL			ALLES OF STREET	438	12-28-		
,			22 20 2 7 1				
The second secon	-1/4			and the same of th			100
	16 11 12 PM				and when many i	-	2.5
- ARINIE					N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		
4////	- NAV			and the same of	ed 51	A STATE OF THE STA	100
	- 110					255	108 4
	No 30			District Reserved			+-
and the same		100 100 200	n Grande I	17. 18 July 18 18 18 18 18 18 18 18 18 18 18 18 18	A reference of the second		
221			757.0				
	A residence			. 127	- market		+
	2 200	A STORY TO	and mark				
310N( , 723 v	- A G.O.O.						
Drillers' Names	33 100 10		A. W	7-97			
Dimers Names					Sec. 1		
CHON THE	By Bury	with the same	Action to the contract	The state of the s	management of the state of the		
Remarks:							
					V 12 3- 28		
	18 June 3.						
	I hereby certify I	visited the ab	ove well on this	date.			
DATE							

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

Permit No. 85 - 7274

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



#### INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

## DEPT. OF MINES

Oil or Gas Well\_

CASING AND LEFT IN USED IN PACKERS Service Inc. DRILLING Size Address\_ Kind of Packer\_\_ Farm Westvaco Size of\_\_\_\_ District Murphy County Ritchie Depth set\_\_\_\_ Drilling commenced\_ Drilling completed\_\_\_\_\_Total depth\_ Perf. top\_\_\_\_ \_\_\_\_\_Depth of shot. Date shot\_\_\_ Perf. bottom\_\_\_\_ Perf. top\_\_\_\_ Liners Used\_ Initial open flow\_\_\_\_ \_\_\_\_\_/10ths Water in\_\_\_\_ Perf. bottom\_ Open flow after tubing\_\_\_\_\_/10ths Merc. in\_\_\_\_Inch Cu. Ft. CASING CEMENTED\_\_\_\_ SIZE \_\_\_\_No. FT.\_\_\_\_\_Date Volume NAME OF SERVICE COMPANY lbs. Rock pressure\_ hrs. COAL WAS ENCOUNTERED AT\_\_\_\_\_FEET\_\_\_\_INCHES Oil \_bbls., 1st 24 hrs. Fresh water\_ feet feet FEET\_ INCHES FEET\_ \_INCHES feet FEET INCHES FEET\_ INCHES Salt water\_ feet · Drillers' Names\_ Remarks: Visit and check location site - Location very small and close to orech shale Service will install sulvertine creek crossing with rock also to install culverts in creek coming up Mc Forlan creek. with help by D.A.C. and Subsurface Energy -

12-28-84

Samuel M. Hersman

Form 26 2/16/82

#### STATE OF WEST VIRGINIA

### **DEPARTMENT OF MINES**

## OIL AND GAS WELLS DIVISION

## **INSPECTOR'S PLUGGING REPORT**

OMPANY			ADDRESS			V 3/4 (8)			
ARM		DISTRICT COUNTY							
				5	See See	le de			
lling Material Used									
iner Loc	cation	Amour	nt Packer	Loc	ation	- 52			
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASINO	G AND TU	BING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST			
			25		Solver -				
			The second secon			21.7° (), 1°			
				y		***			
				A102 ,	2.3				
			was the same of th	d 02	nation to	Na well			
xg'			4.84% (2.3.1.28.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.						
	V / A		Was a						
						State of the			
	177 05 18	V.000023	w 2700   37 2 m; 228						
State of the state			5.00						
rillers' Names									
	- Carlo								
emarks:									
				Same and					
					A C				
DATE	I hereby certify I vis	ited the above w	vell on this date.						

Form 26 2/16/82

#### STATE OF WEST VIRGINIA

## **DEPARTMENT OF MINES**

### OIL AND GAS WELLS DIVISION

## **INSPECTOR'S PLUGGING REPORT**

Permit No.					Well No			
COMPANY			ADDRESS	45	85-7274			
Filling Material Used			Sings &					
	eation	Amour	nt Packer	Lo	ocation			
	ND DEPTH PLACED		BRIDGES	-	NG AND TU	BING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			LOST		
			Betha		Note the			
	- CONTROL - CONT			12-28-81				
			31 6					
The state of the s	2302 - 3 VIA				(E. 2 - 1)			
	Nation AC A	1011						
1	Ver		1000	24 03		agas talas		
				78402	28.75	Na v 2 coi		
	2.00	Latarean						
	7,786	407 497 20				g. 14.50; 2.00		
			44.54					
Drillers' Names								
Remarks:								
Tomarko.								
			and day		7 20	C. Additional		
I	hereby certify I vis	sited the above we	ell on this date.		1250			

DISTRICT WELL INSPECTOR

DATE

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

## INSPECTOR'S WELL REPORT

Permit No. 85-72	74				Oil or	Gas Well	
Company Shalo	Service .	Onc.	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACI	KERS
			Size			Sogia ten	
Address	13 13 182-18	4	16			Kind of Pag	eker
Farm Westvace	2		13		an Hinsid no.		the same and
Well No. Lyons	F-2		10			Size of	01146 B)3
District Murphy	County Rel	this	81/4	F			
Drilling commenced	2-28-84		65%	PEC	BINIE	Depth set_	
Drilling completed			5 3/16	JAN	3 - 1000	Perf. top_	
Date shot	Depth of shot		2	OIL & GAS	DIVISION		m
Initial open flow	/10ths Water i	nInch	Liners Used	EPT. OF	MINES		
Open flow after tubing	/10ths Merc. ir	Inch				Perf. botto	m
Volume		Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
Rock pressure	lbs,	hrs.	NAME OF SE	RVICE COMPA	ANY		
Oil	bbls.,	1st 24 hrs.	COAL WAS E	NCOUNTERED	AT	_FEET	INCHES
Fresh water	feet	feet	FEET	INC	HES	FEET	INCHES
Salt water	feet	feet	FEET	INC	HES	_FEET	INCHES
Drillers' Names							ang pha
Dimers Hames							
Remarks: Visit	-3453 fe	of cla	P.				
1845-1	1895 INOUN S	5×HD					
2325-2	2494 Pickel sy	gas or	how in the	dis area.			
1-2-85				L	nue Di	1 4	444

DISTRICT WELL INSPECTOR

## INSPECTOR'S PERMIT SUMMARY FORM

WELL TYPE			API# 47-	085 -7	274 (12-27
ELEVATION 68				ALE SERU	
DISTRICT MUI					
QUADRANGLE MC			ARM WV P	ULP + PAPE	ER CO
COUNTY RIT	1.00		ELL # LY	ONS F. 2	
SURFACE OWNER_					
TARGET FORMATI	ON	DATE A	APPLICATION	RECEIVED	
DATE STARTED LOCATION /2	-28-84	NOTIFIED 12	-28-84 I	RILLING COM	MENCED/2-28-84
WATER DEPTHS_	12'				
COAL DEPTHS					
COAL DEFINE	,	,	, _		
		CASI	NG		
Ran 802'	feet of	85" "pipe	on /2-30.	84 with 210	fill up
Ran					
Ran	feet of	"pipe	e on	with	fill up
Ran	_feet of _	"pipe	e on		
				DEPARTM	AND GAS
TD	feet on				
		PLUGG	ING	MAY	6 1986
Type		From	To	P	ipe Removed
				N. C.	
Pit Discharge	date:	Type			
Field analysis		ph			
Well Record re					
Date Released_	4-30-86	6			

Samuel M. Hersman Inspector's signature

## API# 47 085 - 7274

## LIST ALL VISITS FOR THIS PERMIT

DATE	TIME	PURPOSE	COMMENTS
12-28-84		Check out site 1.	Prior to dirt work ( Permit delin
12-31-84		Viset - Pick up ca	sing report
1-284		Visit - 34531	Prior to dirt work (Permit deline sing report fort cleep in on Coole 22-4-12B (22B-1-30) to an Cool 22B-1-30
3-5-85		Write violates	in on (Cocle 22-4-12B (22B-1-30)
11-18-85		Write abatemen	t on Cool 22B-1-30
4-30-86		Make Final w	Inspection
	7		The state of the s
	- 1 + v		
2002 a			
	TAM .		

Notes

IV-27 9-83



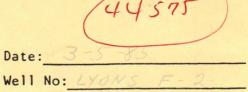
DEPT. OF MINES

MAR 1 2 1985

OIL & GAS DIVISION



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES



State County Permit

API NO: 47 -

(92)

# Oil and Gas Division NOTICE OF VIOLATION

WELL TYPE:	Oil/ Gas Liquid Injection/ Waste Disposal/
	Of "Gas" - Production X / Storage / Deep / Shallow X /
LOCATION:	Elevation: 680 Watershed: SOUTH FORK OF HUGHES RIVER
	District: MURPHY County: RITCHIE Quadrangle: MCFARLAN 7.5
WELL OPERAT	OR SHALE SERVICE, INC DESIGNATED AGENT D. L. STEWART
Addre	ss P. O. Box 83 Address P. O. Box 83
	HARRISVILLE, WV 26362 HARRISVILLE, W.V. 26362
	The above well is being posted this 5 day of MARCH, 1985, for a
violation o	f Code 22-4- A Band for Regulation , set forth in detail as follows:
	(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)
N 12-28-8	4 SHALE SERVICE, INC. (A.D. STEED) BY VERBEL ORDER WAS
	TO PLACE CULVERTS IN TWO 2 CREEK CROSSINGS GOING TO ABOVE
CATION SIT	E, USED FOR ACCESS ROAD.
	BY GREGHENCER (DNR) AND SAMUEL N. HERSMAN (DISTRICT INSPECTO
	HAS NOT COMPLYED WITH THIS,
OPERATO,	S IN SOCIO
CULVERT	S IN CREEK CROSSINGS.
	of this notice has been posted at the well site and sent by certified or
	mail to the indicated well operator or his designated agent.
You are	e hereby granted until MARCH /2, 1975, to abate this violation.
Failur	e to abate the violation may result in action by the Department under
Code 22-4-1	7 or Code 22-4-18.
	2 nn ai
	Oil and Gas Inspector
	Address P.O. BOX 66
	SMITHVILLE WV 26178
	Telephone: 477-3597.



OIL & GAS DIVISION DEPT. OF MINES



STATE OF WEST VIRGINIA.

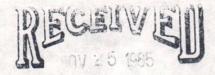
Well No. All Company Permit

# Oil and Gos Division

WELL DESERATOR TALE OF STRUCTED AGENT TO ACCURES THE ACCURES TO ACCURES THE ACCURES THE ACCURES THE ACCURES THE ACCURES THE ACCURES THE ACCURE
Violation of Code 22-4- 2 and/or Regulation . set forth in detail as follows:
A copy of this notice has been posted at the well site and sent by certified or
registered mail to the indicated well operator or his designated agent,
Faiture to abote one Walation may result in action by the Department under
non-equal ted bos 110

FORM IV-31 9-83

V850106



Operator's Well Number LYONS F-2 API Well No.: \_\_47

11-18-85

Date:

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

STATE OF WEST VIRGINIA

**DEPARTMENT OF MINES, OIL AND GAS DIVISION** 

#### **NOTICE OF ABATEMENT**

WELL TYPE:	Oil/ Gas Liquid Injection	/ Waste disposal			
	Underground				
	If "Gas" - Production/ Storage/				
LOCATION:	Elevation: 680 Watershed	SOUTH FORK	F OF HUGH	ES RIVE	R
	District: MURPHY County:	RITCHIE	Quadrangle: M	CFARLAN	7.5
WELL OPERATO	R SHALE SERVICE, INC.	DESIGNATED AGENT	D. L. STE	WART	
Addres	ss P.O. BOX 83	Address	P.O. BOX	83	
	HARRISVILLE, WV 26362		HARRISVIL	LE, WV	2636
on/	n of Code § 22-4-/2B heretofore found to be presented by the second seco	o exist on MARCH of that date has been to	5, 19 83 otally abated. If the a	, by Form IV-27	7, "Notice s found by
COMMENTS					

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

Samuel M. Horsman
Oil and Gas Inspector

Address P.O.BOX 66

SMITHVILLE, WV 26178

Telephone 477-3597



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

STATE OF WEST VIRGINIA

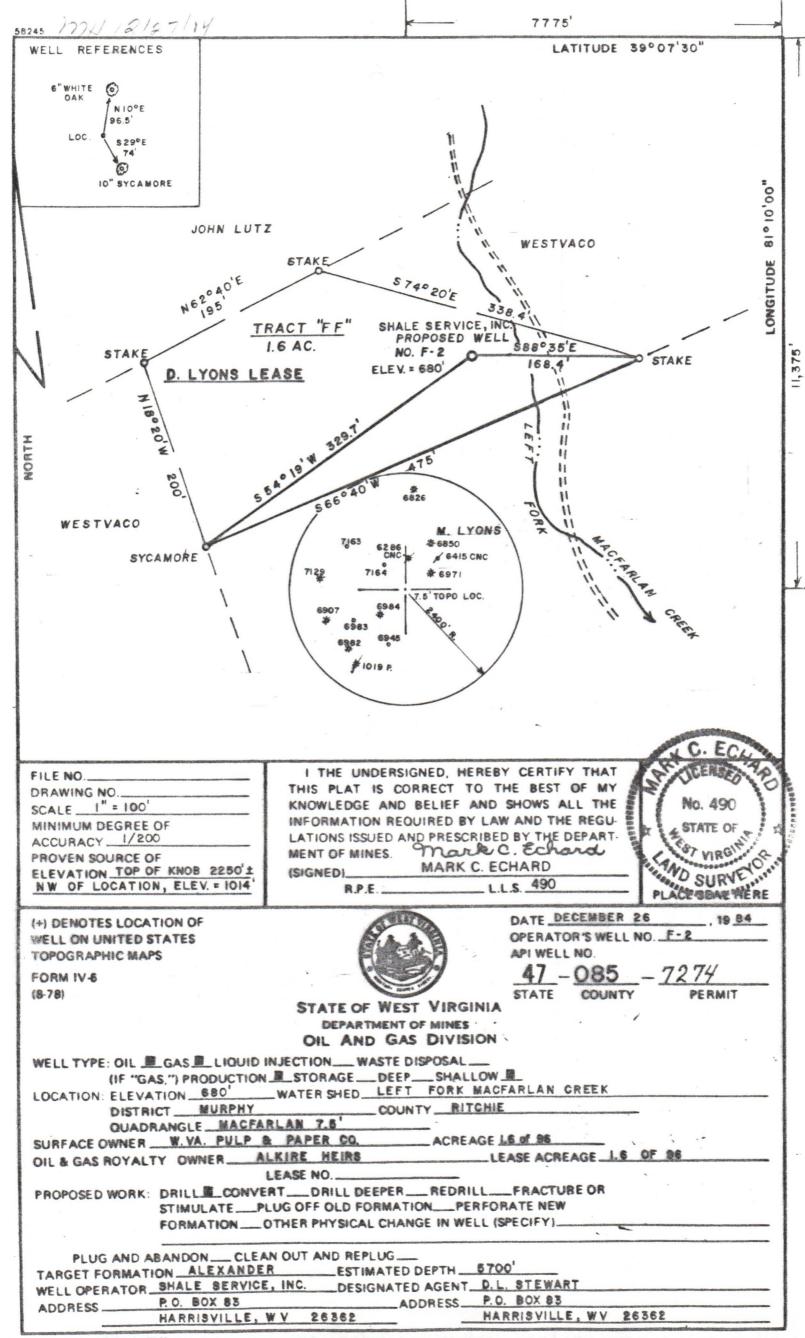
DEPARTMENT OF MINES, OIL AND CAS DIVISION

## NOTICE OF ABATEMENT

	WELLTYPE On A Gap / Laquid Injection Waste disposel
	H "Gas" Production X / Storage / Deep / Shallow / )
	ECCATION Eleverion 480 Watershod SOOTA FORK &F HUCHES RIVER  Olette MURRHY County, 817CHIE Quadrangle, MEFARLAN 7.5
	Obtact M. U.R.P.H.Y County RITCHIE Guadrangle M. FARLAN 7.5
	WELL OPERATOR SHAKE SERVICE , THE DESIGNATED ABENT D. L. STEWART Address P. O. BOX 83 Address P. O. BOX 83
1	HARRISVILLE, WY 26362 HARRISVILLE, WY 2636
	Notice is hereby given that the undersigned authorized oil and gas inspector made a special inspection of the above gamed well on
	The violency of Code a 22-4-128 hereroffine found to exist on MARCH 57 19 85 by Form IV-27, "Notice
	of Violation." Form IV-28, "Imminent Danger Order" of that date has been totally absted. If the absted violation was found by an impriment Carried Orders equilibring operations to decide, such requirements is hereby rescinded, and the well operator is not epy notified that he may
	COMMENTS

A copy of this house has been posted at the well site and sent by certified or registered that indicated well operator or his designated

P.O. 80x 66 SMITAVILLE WV



PLAT OF TRACT "FF"

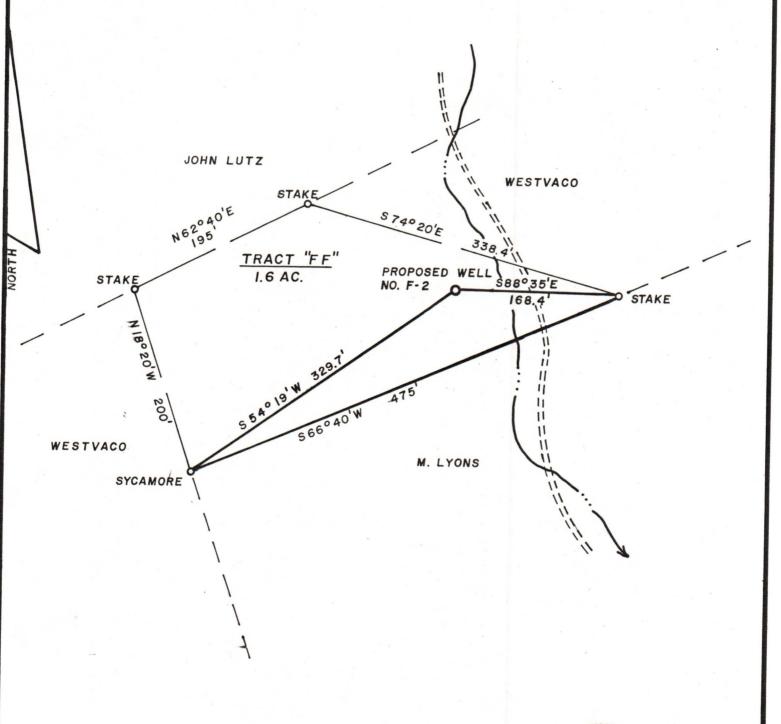
DELIA LYONS LEASE

1.6 ACRES OF 96 ACRES

MURPHY DISTRICT - RITCHIE COUNTY

WEST VIRGINIA

SURFACE: W. VA. PULP & PAPER CO. SCALE: I" = 100'





**DECEMBER 26, 1984** 

PLOTTED BY: mark C. Echard

MARK C. ECHARD, L.L.S. No. 490 STAR ROUTE 71 - BOX 6 GLENVILLE, W. VA. 26351





DATE December 26, 1984
WELL NO. Lyons F-2
API NO. 47 - 085 - 7274

OIL & GAS DIVISION DEPT. OF MINES State of Mest Airginia Pepartment of Mines Gil and Gas Pivision

CONSTRUCTION AND RECLAMATION PLAN

DESIGNATED AGENT D.L. STEWART
Address HARRISVIILE, W. VA. 26362
Telephone 643-4711
SOIL CONS. DISTRICT Little Kanawh
VN AT THIS TIME (Agent)
scula sco. All corrections
2/26/84
Date
(SCD Agent)
LOCATION
Structime DIVERSION DITCH (1)
Material EARTHEN
Page Ref. Manual (2-12)
Structure ROCK-RIP-RAP (2)
Material Rock
Page Ref. Manual(2-16)(C-4)
Structure Pi+ (3)
Material EARTHEN
Page Ref. Manual N/A
y and repaired if necessary. All all brush and small timber to be k begins.
ON
Treatment Area II
Lime 2 Tons/acre
or correct to pH G.5
Fertilizer 600 lbs/acre (10-20-20 or equivalent)
Mulch(HAY) & Tons/acre
Seed* LADINO CLOVER 3 lbs/acre
Ky31 40 lbs/acre
lbs/acre
and clovers with the proper bacterium.
FARED BY MARK C. ECHARD, LLS
ADDRESS STAR RTE 71, BOX 6
Glenville, W.VA. 26351
EONE NO. 462-5565

12-31-84 DATE Samuel M. Hersman
DISTRICT WELL INSPECTOR

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE MACFAPIAN 7.5



LEGEND
Well Site 
Access Road ———

Well No. \_

Form 26 2/16/82

Permit No..

#### STATE OF WEST VIRGINIA

### **DEPARTMENT OF MINES**

**OIL AND GAS WELLS DIVISION** 

## **INSPECTOR'S PLUGGING REPORT**

DMPANY				RESS	7 ×	0 / /	N 100 10
RM	DISTRICT COUNTY						
ng Material Used			5-445-24	a) ilas	-cet	Dry	E- mas
r Loca	tion	Amo	ount	Packer	Lo	cation	
PLUGS USED AN	ID DEPTH PLACED	LACED		BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONST	RUCTION-LOCATION	RECOVERED	SIZE	LOST
	12 802	28	8 2	RELLE		1000	65
				43	12-28-		
4							
-5519	10/2001			17		erring to the second	
MEN B					6 #5ge()		Aller Marie
1116					d 00	and the same of th	s itage to
VSS1200				And a seek a	1987	position -	ria wildo
		_carsané		1 2 2 m			- days
		13500 NGC		730			ar some
WI Control		WUSDKS 8				V 10 4 10	3 4 3 9
llers' Names	2.8.27			250	22.0	and the second s	
narks:					the domina		
				de			of the se
				1208 men			
	5 Com 336		and fore				
The second sections		The	My Mary	A Comment			
DATE	nereby certify I visi	ited the above	well on this d	late.			
				DIS	TRICT WELL IN	SPECTOR	

IV-35 (Rev 8-81)



DEPT. of MINES

OIL & GAS DIVISION State of Mest Airginia Department of Mines Oil und Vas Bivision

Date	March	8. 19	85	
Opera	tor's			
Well	No.	F-2	1.44	
Farm	DI	yons		
API N	b. 47-	085		7274

WELL OPERATOR'S REPORT

			OF .			
DRILLING.	FRACTURING	AND/OR	STIMULATING,	OR	PHYSICAL	CHANGE

	ith Fork	Hughes B	iver	
District: Murphy County Ri	tchie	Quadrangl	e McFarl	an
DMPANY Shale Service Inc.	1: 300			
ADDRESS Harrisville WV 26362	Casing	Used in	Teft	Cerrent
DESIGNATED AGENT D.L. Stewart	Tubing	Drilling		fill up Cu. ft
ADDRESS Harrisville WV 26362	Size	DIALLE	HI HOLL	Cu. Zc.
SURFACE OWNER Westvaco Corporation	20-16 Cond.			
ADDRESS Rupert. WV	13-10"			
MINERAL RIGHTS OWNER Alkire Heirs	9 5/8			
ADDRESS	8 5/8	808'	808'	to surf
DIL AND GAS INSPECTOR FOR THIS WORK Samuel N.	7	000		LO SULL
Hersman ADDRESS Smithville, WV 26178	5 1/2			
PERMIT ISSUED December 27, 1984	4 1/2	2407	2407	2200
DRILLING COMMENCED 1/3/85	: 3			
DRILLING COMPLETED 1/7/85	2			
F APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR CEWORKING. VERBAL PERMISSION OBTAINED IN	Liners used			
Depth of completed well 3700 feet Rowater strata depth: Fresh N/A feet; Coal seam depths: None	otary x	_/ Cable	Tools_	
PEN FLOW DATA				
PEN FLOW DATA  Producing formation where Secretary Politics to	Pav	zone depti	1500	fee
Producing formation Warren. Speechley. Balltown.Al				
Producing formation Warren Speechley Balltown Al Gas: Initial open flow 200 Mcf/d (	Dil: Ini	tial open .	flow sho	w Bbl/
Producing formation Warren Speechley Balltown Al Gas: Initial open flow 200 Mcf/d Final open flow 200 Mcf/d	Dil: Ini Fin	tial open . al open flo	flow sho	W Bbl/
Producing formation Warren Speechley Balltown Al Gas: Initial open flow 200 Mcf/d Final open flow 200 Mcf/d  Time of open flow between initial	Dil: Ini Fin al.and fin	tial open . al open flo nal tests_	flow sho	W Bbl/ Bbl/
Producing formation Warren Speechley Balltown Al Gas: Initial open flow 200 Mcf/d  Final open flow 200 Mcf/d  Time of open flow between initial Static rock pressure 675 psig(surface)	Dil: Ini Fin al.ard fin measurem	tial open . al open flo nal tests_	flow sho	w Bbl/ Bbl/
Producing formation Warren. Speechley. Balltown Al Gas: Initial open flow 200 Mcf/d  Final open flow 200 Mcf/d  Time of open flow between initial Static rock pressure 675 psig(surface (If applicable due to multiple completion-	Dil: Ini Fin Al. and fin measurem	tial open . al open flo nal tests_ ent) after_	Elow sho  Sho  hou  hou	Bbl/Bbl/
Producing formation Warren. Speechley. Balltown Al Gas: Initial open flow 200 Mcf/d  Final open flow 200 Mcf/d  Time of open flow between initial Static rock pressure 675 psig(surface (If applicable due to multiple completion—Second producing formation	Pay	tial open .  al open flo  nal tests_  ent) after_  zone depth	flow sho  Sho  hou  hou  hou	Bbl/Bbl/Ss shut i
Producing formation Warren. Speechley. Balltown Al Gas: Initial open flow 200 Mcf/d  Final open flow 200 Mcf/d  Time of open flow between initial Static rock pressure 675 psig(surface (If applicable due to multiple completion—Second producing formation  Gas: Initial open flow Mcf/d Completion—Second producing formation—Mcf/d Completion—Mcf/d Co	Final and final and final and final measurement.  Pay  Pay  Oil: Init	tial open depth	flow sho  Sho  hour  hour  land  lan	Bbl/ Bbl/ ss shut i fee Bbl/
Producing formation Warren. Speechley. Balltown Al Gas: Initial open flow 200 Mcf/d  Final open flow 200 Mcf/d  Time of open flow between initial Static rock pressure 675 psig(surface (If applicable due to multiple completion—Second producing formation  Gas: Initial open flow Mcf/d Completion—Final open flow Mcf/d Completion—	Final and final	tial open depth al open flo nal tests ent) after zone depth tial open flo	Elow sho  Sho  hour  low  flow	Bbl/ Bbl/ Bbl/ Bbl/ Bbl/
Producing formation Warren. Speechley. Balltown Al Gas: Initial open flow 200 Mcf/d  Final open flow 200 Mcf/d  Time of open flow between initial Static rock pressure 675 psig(surface (If applicable due to multiple completion—Second producing formation  Gas: Initial open flow Mcf/d Completion—Second producing formation—Mcf/d Completion—Mcf/d Co	Final and final	tial open dal open floral tests cone depth tial open floral tests al tests	Elow sho  Sho  Sho  hou  low  hou  hou  hou	Bbl/ Bbl/ Bbl/ Bbl/ Bbl/

(PEVERSE)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIP-JULATING, PHYSICAL CHANGE, ETC.

One Stage frac. Plug set at 2530'

10 holes from 2479 - 2484

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fresh and salt water, coal, oil and gas
Soil	0	10	
R.R.	10	325	
Sand · · ·	325	344	
R.R.	344	715	
Sand	715	804	
Shale	. 804	990	
Sand	990	1020	
R.R.	1020	1100	
Sand	1100	1180	
Slate	1180	1240	A State of the sta
Sand	. 1240	1305	
Shale	1305	1400	
Lime	1400	1494	
Injun	1494	1520	
Shale	1520	2200	
Sand	2200	2220 .	
Shale	2220	2250	
Sand	2250	2465	
Gordon Stray	2265	2484	and the state of t
Gordon	2484	2494	
Sand	2494	.2548	the state of the s
Shale	2548	2766	
1st Warren	2766	. 2800	The state of the s
Shale	2800	2824	
2nd Warren .	2824	2852	
Shale	2852	2920	The state of the s
Sand	2.920	2956	
Speechley	2956	3050	
Shale	3050	3102	
Balltown	3102	3 1 8.5	
Sand	3184	3330	
Shale	3330	3510	
Alexander	3510	3605	
Shale	3605	3700	
	A STATE OF THE STATE OF	and and La	

(Attach separate sheets as necessary)

Shale Service. Inc.	-	
Well Operator		
By: D. J. Stewart	Designated	Agen
Date: March 8, 1985	THE RESERVE TO SERVE	100

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 wind, encountered in the drilling of a well."





1)	Date: Dec	ember	27,	, 19_84
2)	Operator's Well No.	Lyon	ns F-2	(8) S(1) (3) (3)
3)	API Well No.	47	085 -	
		State	County	Permit

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

				AP	PLICA	TION FOR A WEL	L WORK PERMI	Ī	
4) WELL	TVOIL & G	AS DIVI	SION	X	,				
4) WELL	have hard and	DE V	Productio	n	1365.3 I	/ Underground	storage	/ Deep	/ Shallow X /)
5) LOCA		evation: _	68			_ Watershed: _		k of Hughes	
	Di	strict:	Murp	hy		_ County:	Ritchie	Quadrangle: _	McFarlan 7.5'
6) WELL	OPERATOR.	Sha		rvie	e, I	nc.	7) DESIGNATE	DAGENT D.	L. Stewart
Add	ress	P.0		83	****	<u> </u>	Address	P.(	D. Box 83
		nar	risv1	lee,	WV	26362		Harı	isville. WV 26362
	GAS INSPEC			FIED				CONTRACTOR:	
Name	P 0	-	rsman				Name	Shale Ser	83
Add	ress Smitl	nvill	e. WV	26	170	<del>an a la</del> core e sac	Address	P.O. Box	AND PARTY OF THE P
10) PROP	OCED WELL	WORK		X		THE RESERVE TO SHERE			TE . WA 50205
10) PROPO	OSED WELL	WORK:	Drill	ff old fo	/ Drill	deeper	/ Redrill rate new formation	/ Stimulate	The same and the s
						well (specify)	ate new formation	1/	
II) GEOL	OGICAL TAR	GET FOR			6	ander Sand	The same of the sa		THE STREET WAS ASSESSED.
	imated depth			,	5200	THE RESERVE THE PARTY OF THE PA			
	proximate trat				145"	feet; salt	leuf kew	feet.	
	proximate coa				n/a		al being mined in th		/ No_ X /
	G AND TUBI								
CASING OR	- 1	SPEC	CIFICATION	S	1	FOOTAGE I	NTERVALS	CEMENT FILL-UP	PACKERS
TUBING TYP	E Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	sustanem said sum a 6 of
Conductor	113/	4			X	40'		al Color Sections	Kinds
Fresh water		000	10.000		on Addition		Astronomic Science Co.		Surseith and affects agost
Coal	9 6 / 9	Chi	22 11	W	2251280	9001	or believe to the	a min uni situan	Sizes
Intermediate	0 0/0	ERW	20-5	, A	1000 400	780	780*	To Surface	Listers state, sets the state sports
Production	7 1/6	12/11/68	50.5	Х			5200'	2000, Lill	Depths set
Tubing	0.00 Del Registration	772173			CALCOUNT OF	Burner et al 1998 (Berne		Up	
Liners									Perforations:
								A CARLO DE LES DE LA CONTRE	Top Bottom
	verilia de la composição de la composiçã	3 985 000					a more seen at high had		construction and an analysis
	- 11			1					TO THE OWNER OF THE PERSONNEL PROPERTY.
						galostiga to magre	Frieds parts on mil		SE CELORS BE CEREMON OF THE
	The la	w requires	a comme	nt period	for sur	face owners. Howev	er, the permit can l	be issued in less than 1	5 days from
	the filing of	the Appl	ication if the	he surfac	e owner	(s) of record sign(s) t	he following "Volu	intary Statement of No	Objection"
	on a facsin	nile of this	s surface o	wner's c	opy of t	he Application.			
				VOLI	INTARY	STATEMENT OI	NO OBJECTION	Project of Project Plane	
I hereby s	tate that I have	e read the	instruction	is to surf	ace own	ers on the reverse sie	de of this Application	on for a Well Work Pe	rmit, and that I have received
opies of (1) a	Notice of App	lication fo	or a Well W	Vork Per	mit on F	orm IV-2(A), (2) an	Application for a V	Vell Work Permit on F	orm IV-2(B), (3) a survey plat
I FOITH IV-0								k on my surface land a	as described therein.

materials.

(For execution by corporation, partnership etc)	r execution by natural persons)	
By KD Luddelich -	(Signature)	Date:
Its Marrie Date 142/kg	(Signature)	Date:
1 40 Woodlands		

# 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.

1) Date: December 27
2) Operator's

Well No. Lyons F-2

3) API Well No. 47 - 085 - 72 State County

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

## NOTICE OF APPLICATION FOR A WELL WORK PERMIT

	Name Address	Westvaco	5(i)	COAL OPERATOR Address
( <u>ii</u> )	Name Address	Box 577 Rupert, WV 25984	5(ii)	COAL OWNER(S) WITH DECLARATION ON RECORD: Name Address
	Name Address			NameAddress
	-		5(iii)	COAL LESSEE WITH DECLARATION ON RECORD: Name Address

SON(S) NAMED ABOVE: You should have received this Form and the following documents:

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

(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.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is
signed on behalf of the Well Operator
In my County and State by
this 27 days of
My commission expires 6/13, 1994.
Notary Public, K-dala Comme
State of West Virginia

WELL	
OPERATOR	Shale Service, Inc.
Ву	D. S. Stewart
Its	President
Address	P.O. Box 83
Telephone	Harrisville, WV 26362
	013

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 specifies 3

7) ROYALTY PROVISIONS

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

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

### INSTRUCTIONS TO APPLICANT

#### CONCERNING THE LINE ITEMS:

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

#### CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-lk and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-lk(d) and the reclamation required by Code § 22-4-lb and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-la(c) and 22-3-l2a, and (v) if applicable, the consent required by Code § 22-4-8a from the conser 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—

- (1) 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, et	:	Royalty	300k	Page
1	Robert MacGregor	W. C. Alkire			168	868
	Elizabeth Sandy	W. C. Alkire			169	180
	Rose Alkire	W. C. Alkire	20		169	183
	Isabelle Rasel	W. C. Alkire			169	186
	Virginia MacGregor	W. C. Alkire			169	189
	Linda MacGregor	W. C. Alkire			168	871
	W. C. Alkire	Shale Service			169	192





WELL NO. Lyons F-2

State of Mest Airginia

API NO. 47 - 085 - 7274

OIL & GAS DIVISION DEPT. OF MINES Bepartment of Mines Gil und Gas Bivision

## CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME SHALE SERVICE,	ENC.	DESIGNATED AGENT D.L. STEWART				
Address HARRISVIIIC, W.VA. 2		Address HARRISVIIIC, W. VA. 2636				
Telephone 643-4711		Telephone 643-4711				
LANDOWNER WEST VACO CORP		SOIL CONS. DISTRICT Little Kanawh				
Revegetation to be carried out by	UNKNO	OWN AT THIS TIME (Agent)				
This plan has been reviewed by	1.41	Kanouha SD. All corrections				
and additions become a part of this p	The state of the s	12/26/84				
		(Date)				
	1/4	anotall & atthingon				
Clay Lieraccier a se lui Merri de		(SCD Agent)				
ACCESS ROAD		LOCATION				
Structure DRAINAGE DITCH	_ (A)	Structure DIVERSION DITCH (1)				
Spacing EATTHEN		Material EARTHEN				
Page Ref. Manual 2-12	_	Page Ref. Manual (2-12)				
Structure Cross DRAINS 2% every 250'	_ (B)	Structure ROCK-RIP-RAP (2)				
Spacing 15% every 60'	_	Material Rock				
Page Ref. Manual (2-1) (2-4)	_	Page Ref. Manual (2-16) (C-4)				
Structure	_ (C)	Structure Pi+ (3)				
Spacing	_	Material EARTHEN				
Page Ref. Manual		Page Ref. Manual N/A				
All structures should be inspected commercial timber is to be cut and cut and removed from the site before	STACKEA (	rly and repaired if necessary. All and all brush and small timber to be ork begins.				
	REVEGETA	TION				
Treatment Area I		Treatment Area II				
Lime 2 Tons/ac	re	Time				
or correct to pH G.5		or correct to pH G.5				
Fertilizer 600 lbs/acr (10-20-20 or equivalent)	re e	Fertilizer 600 lbs/acre				
fulch (HAY) 2 Tons/ac	~~a	(10-20-20 or equivalent)				
Seed* LADINO CLOUER 3 lbs/acr		Mulch(HAY) 2 Tons/acre				
Ky 31 40 lbs/acr		Seed* LADINO CLOVER 3 lbs/acre				
lbs/acr		Ky 31 40 lbs/acre				
		lbs/acre				
noculate with 3% recommended amount.	h, trefoi	l and clovers with the proper bacterium.				
	FLAN P	REPARED BY MARK C. ECHARD, LLS				
cooperation to protest lawformers'		ADDRESS STAR RTE 71, Box 6				
secting for one growing season. Attach separate sheets as		Glenville, W.VA. 26351				
necessary for comments.		PHONE NO. 4/2-5565				

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE MACFARIAN 7.5



Well Site Access Road —

Form 26 2/16/82

STATE OF WEST VIRGINIA

# DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

# INSPECTOR'S PLUGGING REPORT

t No.			ADDRESS CO		6-58		
PANY		DICTRICT	ADDRESS CO	UNTY			
M		DISTRICT	it was	and de			
ng Material Used			Packer	Loc	ation		
r Loc	ation	Amou	int	CASIN	CASING AND TUBING		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	RECOVERED		LOST	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			the same	
OLINE.	12 802	8	8 cm literature con 8	7	2500	The same	
Action of the parties of the same of the s			4.8	195-50		-	
Special State of the State of t			E SILL A TOTAL CONTRACTOR				
	A PARTICIPATION			Magazia.			
	Contract of the second					a page ta	
10/2/2			and an area of the second	EX. Contract of			
	1		And the second second		13.46	(a) (3) (4) (3) (4)	
	W.						
		LOS CALENDA					
	EMANUAL	M MILITAR	. S 188 4				
			and the state of t	and the second second second second second second second			
an with	( 022	MUGDEL				1.079.2	
Drillers' Names				and the same of th	12.26	4.00 M	
Remarks:				t they		11/2	
	ing it is and		Aland of walk				
		I visited the	above well on this date.				
	I hereby certify	I Algiton the c					
DATE	incres,						