XI



1)	Date:	April 17		_, 19 ⁸⁴
2)	Operator's Well No.	J - 910	. 0	LORM IV-20
3)	API Well No.	47	001	2055
		State	County	Permit

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

									_/ Shallow X/)
) LOCATIO							Laurel Ru		D-1:
								Quadrangle: _	
) WELL OP					s, inc	•			rd Reddecliff
Address		P.(WV 262	01	Address	P.O	
	c wichec			No. of Section	WV 202	01	9) DRILLING C		khannon, WV 26201
OIL & GA	Phi			FIED					illing Company
		and the second s		1 To	rrace	Apt. 24	Address		
Address	The state of the s	kins,			LIACE	Apc. 24	Address		non, WV 26201
PROPOST					/ Drill	doeper	/ Dadrill	/ Stimulate_X	/
PROPOSE	D WELL	WORK:					orate new formation		WE CELM
						well (specify)			L'ACTOR OF
GEOLOG	CAL TAR	GET FOR				wen (specify)			
12) Estima	ated denth o	of complete	ed well	52	00	fee	•		APR 1 9 1984
13) Appro	ximate trat	a depths:	Fresh.	35,	255		lt. O	feet.	
14) Appro	ximate coal	seam dept	ths: 20	0,53	0,655		oal being mined in th	e area? Ves	OIL & GAS DIVIS
CASING A									DEPT. OF MI
ASING OR			IFICATIONS	3	- 1	FOOTAGE	INTERVALS	CEMENT FILL-UP	PACKERS
UBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
nductor	113/4	H-40	- 10 m - 178 h - 1	x	3500	30	0	0 sks.	Kinds
sh water	85/8	ERW	23	x		900	900	To surface	
al	85/8	ERW	23	X		900	900	To surface	Sizes
ermediate									
duction	41/2	J-55	10.5	х		5150	5150	350 sks.	Depths set
oing						A DRIE OND A	DEFIG		
ers							79.5		Perforations:
		rections	on qu-	echoi	vas br	a godinadijina o	dates of certain	of the cortal design of the co	Top Bottom
- 72	tetl						3185	1	
				(a) (i - i i	osqeni q	SERVICE VICE	ONTA	1000	aplication received
	-	7.79				OFFICE USE	CONTRACTOR OF THE PARTY OF THE		-
						DRILLING P	EKMII		beniste drow Us
mit number_	4	7-001-	-2055				2007 - 100 <u>12 - 12 - 1</u>	May 11	19 84
								Da	ompletion of the drill of
s permit cov	ering the we	ell operato	r and wel	l location	on shown	below is evidence	of permission gran	ted to drill in accordant	nce with the pertinent legal r
rements subj	ect to the co	onditions of	contained	herein a	and on the	reverse hereof.N	otification must be a	given to the District Oi	I and Gas Inspector, (Refer to ntractor shall notify the prop
trict oil and	as inspecto	r 24 hours	before a	ctual pe	rmitted wo	ork has commend	ed.)	ven operator or ms con	itractor small motify the prop
								to any modifications a	and conditions specified on t
erse hereof.				o una i	.pp.iou.io	, , , , ,	, , , , , , , , , , , , , , , , , , ,		ciamaned generalization
mit expires .	мау	11, 19	000			unless we	ell work is commence	d prior to that date and	prosecuted with due diligence
									CHER INSPECTIONS
	Agen		Plati	Casir	ng l	Fee			
Rond.	Agen	1	(Cush	-				Reggon
Bond:	11	// /	1		9 1	Bridge Commission of the Commi			
BLANKET	1	11/	0	TI	7 /2	5/3		-10	20





STATE OF WEST VIRGINIA OFFICE USE ONLY

// Shallow = /9	Deen	S AND CONDITI			C. Production		W 7
		mra Lemet W		785			LOCATION
Belindton:	Quadrangle:		County		Politica		
	d TNEOA	n pestonared				RATIOR_UE	
Todas the comments		Address					Address
	VTRACTOR:	OF DRULING CO		BĎ	O BE NOTE		OIL & GAS
The Contains	te Mesta Aila						Name
	305 . O. B.	Address				TEXTOT	
TWITE PERIVIE	- A Stimulate -	// Rednik				WELL WOR	GAROPOSED
IN POPO OF IN		"indiponent Apis his	in well (specify)				
24				YOY			SECTOOIC
12801 6 T 244					pleted well.	mos to diget be	
OIL & GAS DIVISIO	feet						
DEPT. OF MIN	Iraa7 Yes	al being mined in the a					
DEFT. OF MIN			t sections				A DARAG
	ORSACKS ** **Cabacteen	the nire.			4 Majori :	502	BUYE JANE
					1 65 OA		
			000				t water
					23 1		
		OFFIC	E USE ONLY		To a Value of the		dection.
This part of Form IV 2(h)	is to record th	an datas of contain		d 6-11-			- 20
This part of Form IV-2(b)	is to record ti		occurrences an	d any folio	w-up inspect	ions.	
		Date			<u> </u>	Dat	e(s)
Annlication received			Follow	:			
Application received		NILY L	OFFICE USE (inspection(s)		
Well work started		RMIT	DRILLING PE	,,			
78 8	May 11				01-2055	0-74	red aniba tina
Completion of the drilling							
ance with the pertinent seasons	bacca millibat	of primitsion granted reflection must be ply:	n below is evidence.	locazion show	tator and well		permit coveri
Well Record received		for additions, the well	thoughelders, and the	tal thin lyn e			mil atrajes (6
			work his commence				
Reclamation completed	any módsfications	ation rlan, subject to	off, plat, and reciam	and, Applicati			permitted vot
		work is commenced n				May II.	
OTHER INSPECTIONS							
				Casing	PM19	Agent	
Reason:	<u> </u>		A 1888	12	100		LAMKE

See the reverse side of the APPLICANT'S COPY for instructions as the well operator,

FORM IVAGES . FILE COPY

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-l2b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

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

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

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

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

Grantor, lessor, etc. Grantee, lessee, etc. Royalty Book Page

L.L. Moss & D. Kent Moss J&J Enterprises, Inc. All of 1/8-100%

99 211

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



1) Date: April 17

2) Operator's Well No.

J-910

3) API Well No. 47 State County Permit

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

NOTICE OF APPLICATION FOR A WEST

		NOTICE OF APPLICATIO	IN FOR A WELL	WORK PERMIT	
4) SU	RFACE OWNE	ER(S) OF RECORD TO BE SERVED	5(i)	COAL OPERATOR	
(i)	Name Be	eniamin Colden	,-,	Address	
(1)	Address	njamin Golden Rt. # 2			
	Auditess_		5(ii)	COAT CANED (C) WITHIN DEC	W A DAMES OF THE
(::)		Belington, WV 26250		COAL OWNER(S) WITH DEC	LARATION ON RECORD:
(11)	Name			Name Eastern Associa	ated Coal Corp.
	Address_		Chas. Natl.Ba	Address 1700 Coppers	s Building
			Charleston, W	FILLSburgi	n, Pa. 15219
(iii)	Name		25311	NameSarah Mellon	n Scaife Foundation
	Address			Address P.O. Box 2	268
				Pittsburgh	n, Pa. 15230
			5(iii)	COAL LESSEE WITH DECLA	RATION ON RECORD.
				Name	120010:
				Address	
		The second secon		· ·	
		TO THE PERSON(S) NAMED ABOVE: You show	ıld have received th	is Form and the following document	s:
		(1) The Application for a Well Wor	k Permit on Form TV	-2 (B) (or Form TV 4 :5 :1	
				in the drilling or other work, oplicable, the proposed casing and	
		(2) The plat (surveyor's map) show	ring the well location	on on Form IV-6; and	
		(3) The Construction and Reclamati plug a well), which sets out t	ne plan for emeion	and sediment control and for	
		rectaliactor for the site and a	ccess road.		
		THE REASON YOU RECEIVED THESE DOCU	MENTS IS THAT YOU H	AVE RIGHTS REGARDING THE APPLICATION	N I
		WHICH ARE SUMMARIZED IN THE "INSTRUCTION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR ACTION AT ALL			1
		ACTION AT ALL.	100. HOMEVER, 100	ARE NOT REQUIRED TO TAKE ANY	
		Take notice that under Chapter 22	of the West Virginia	Code, the undersigned upli on	TO PERSON
					N S C C C C C
		Department of Mines, with respect to a	well at the leasting	of Oil and Gas, West Virginia	
		and depicted on attached Form IV-6. Co	pies of this Notice,	the Application, the plat, and the	APR 1 9 1984
					red AT N 1 9 130-4
		by hand to the person(s) named above (o before the day of mailing or delivery to			OIL & GAS DIVISION
		6) EXTRACTION RIGHTS			DEPT. OF MINE
		Check and provide one of the following	ng:		D = 1
		Included is the lease or leases or I hold the right to extract oil	other continuing c	ontract or contracts by which	
		The requirement of Code 22-4-1-(c)	(1) through (4). (S	ee reverse side for specifics.)	
		7) ROYALTY PROVISIONS			
		Is the right to extract produce or a	market the oil or ga	s based upon a lease or leases	
		for compensation to the owner of the of to the volume of oil or gas so extract	ted, produced or ma	which is not inherently related	
		you may use Affidavit Form IV-60.	thing additional is	needed. If the answer is Yes,	
		See the reverse side for line it the required copies of the Notice	em instructions are	for instructions	
		the required copies of the Notic Reclamation Plan.	e and Application,	plat, and Construction and	
cm1					
		the information on the	WELL		
Noti	ce and App	plication is verified	OPERA	TOR J&J Enterprises	, Inc.
		and the Notice is	1	7-0	7 1 1
sign	ed on beha	alf of the Well Operator	By	Carlonal H VC	celela O. R. ()
in m	y County a	and State by	Its	Designated Agent	veces !
		hard Reddecliff		ress P.O. Box 48	
this	17 day of		Aud		26201
		ion expires 10/16, 19 89.	m _c 1	Buckhannon, WV	Z0ZUI
		10/16, 138%.	TeT	ephone 472-9403	
C	Zinda	D. Canfield			
N	lotary Publ	lic, Upshur County,			

State of West Virginia

FORM IV-2(B) (Obverse) 7-83

SURFACE OWNER'S COPY





1)	Date:	April	17	, 19	85
2)	Operato	r'e			

Operator's
Well No. J-910

3) API Well No.

47 001 2055 State County Permit

APR 22 1985

OIL & GAS DIVE

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

DE	PT.	SF IVI	1 1 mm	A	PPLICATION	ON FOR A	WELL WORK PERM	<u>IT</u>	
4) WELL TY 5) LOCATIO	B (If "Gas".	Production	n '	X	/ Undergro	und storage i: Laurel Run	/ Deep	/ ShallowX/)
	Di	strict:	Philip	pi		County: _	Barbour	Quadrangle: _	Belington
6) WELL OI	PERATOR.	J & J	ENTER	PRIS	ES, INC		7) DESIGNAT	ED AGENT Richa	ard Reddecliff
Addres	ss P	.O. Bo	x 48			3 - 4		P.O. Box 48	The second second
	B	uckhan	non, W	V 2	6201			Buckhannon,	WV 26201
8) OIL & GA	AS INSPEC	TOR TO	BE NOTI	FIED			9) DRILLING	CONTRACTOR:	
Name	Donald	Ellis					Name S.	W. Jack Drilli	ing Company
Addres	ss	2604 C	rab Ap	ple	Lane		Address	P.O. Box 48	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Fairmo	nt, WV	26	554			Buckhannon,	WV 26201
O) PROPOSI	ED WELL	WORK:	Drill	X	_/ Drill	deeper	/ Redrill	/ Stimulate	,
							rforate new formation		
			Other p	hysical	change in v	vell (specify)			
1) GEOLOG	ICAL TAR	GET FOR							
	ated depth of						feet		
13) Appro	oximate trat	a depths:	Fresh, _	35	,255	feet;	salt, O	feet.	
14) Appro	oximate coa	l seam dep	ths:2	00,5	30,655			he area? Yes	/ No X
5) CASING									140
CASING OR TUBING TYPE	Size	SPEC Grade	Weight per ft.	New	Used	FOOTA For drilling	GE INTERVALS Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
Conductor	11 3/4	H-40	42	X		30	0	0 sks	Kinds
Fresh water	8 5/8	ERW	23	X		900	900	to surface	- Auto
Coal	8 5/8	ERW	23	X	1	900	900	to surface	Sizes
ntermediate								10. 10. 10.	- OLEG
Production	4 1/2	J-55	10.5	X		5150	5150	350 sks.	Depths set
Tubing									Deptils act
iners		10.0					Ď.		Perforations:
,									Top Bottom
								11 11 11 11 11 11 11 11 11 11 11 11 11	

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partners	ship, etc.)	(For execution by natural persons)
NAME:		Berfamin (Dolden Date:
Ву		(Signature) Date:
Its	Date	(Signature) Date: 4-17-85

W General NPDES Permit for Oil & Gas . 001-2055

Drilling Pit Waste Discharge APPLICATION (To Be Completed By Company) 1) Company Mame J & J Enterprises
Mailing Address P.O. Box 48, Buckhannon, W.Y. 1910 Name J910 Telephone 472-9403 2. Name of stream that may be discharged to: · A tributary of: 3. Treatment and method of pit disposal most likely to be utilized (method not necessarily restricted to this): land application 4. Name of person supervising discharge: Charles T. Krushansky
Telephone 291-5960 Date Approved 5. By completing and submitting this application I agree to adhere to the guidance and provisions of the interim experimental general permit system. I understant that participation in the program does not prohibit enforcement action for vio tion of the terms of this general permit or some other applicable law on regul Signature 5-1885 tion. MOTIFICATION (To Be Completed By DWR) 1. Initial Company contact: (Approximately 7 days prior to discharge) Proposed discharge date 5-21-83;
Type of disposal method selected hand fill Volume of waste 100 000 GnL Discharge rate 100614
Time projected for discharge 3 DA 45 CFS DAYS Receiving Street flow rate N/ CFS No Objection Objection 2. Final Company contact: (48 hours required notice) Date: 5:-17-85. Individual 11. Lear Final discharge date 5-21-85 No Objection Objection INSPECTION (To Be Completed By DWR) 1. 208 Practices - Acceptable Not Acceptable 2. Compliance with general permit interim guidelines: Acceptable Not Acceptabl

3. Division of Water Resources Action Jaken:

Parematers (Prior to discharge(if any) at discharge):

TOC Total-Pb DN 10.0+1 Conducti 755 Chloride Total Cu Total Fe 21

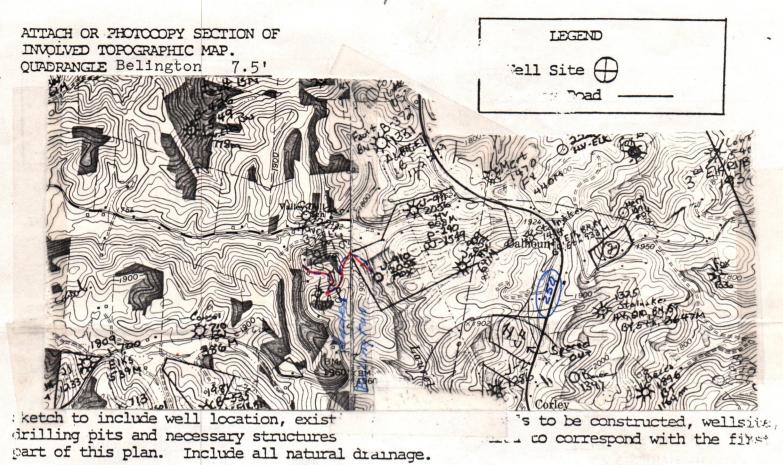
DATE 22 February, 1984 MAR 1 1984 WELL NO. -1-910 API NO. 47-00/ Tygart Valley Soil Itale of Mest Mirginia Conservation District Bepartment of Mines Tygart Valley Soft Conservation District Bil and Gas Bivision CONSTRUCTION AND RECLAMATION PLAN DESIGNATED AGENT Richard Reddicliff
PO Box 48 COMPANY NAME J&J Enterprises, Inc. Buckhannon, WV 26201 Buckhannon, WV 26201 304-472-9404 Telephone 304-472-9404 Telephone Belington WU 26250 SOIL CONS. DISTRICT Tygart Rt. 2 LANDOWNER Benjamin Galden (Agent) J&J Enterprises, Inc. Revegetation to be carried out by SCD. All corrections This plan has been reviewed by and additions become a part of this plan: APR 1 9 1984 (SCD Agent) OIL & GAS DIVISION LOCATION ACCESS ROAD Diversion DEPTh OF MINES (A) Structure Culverts Soil (2% max. slope) Material Spacing AS Shown and As Needed (15" min. when leaving a state road.) 2-12 Page Ref. Manual Page Ref. Manual 2-7 Drilling Pit (2) Structure Drainage Ditch (B) Soil Spacing To be constructed along Material the access road. Page Ref. Manual Page Ref. Manual 2-12 Sediment Trap Structure Cross Drains Structure 15%-60' 5%-135' Material Soil 20%-451 Spacing 10% - 80' Page Ref. Manual Page Ref. Manual All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins. REVEGETATION WOODS & PASTURE FIELD Treatment Area II Treatment Area I Tons/acre 3 Tons/acre or correct to pH or correct to pH 600 lbs/acre Fertilizer 600 lbs/acre (10-20-20 or equivalent) (10-20-20 or equivalent) Mulch Tons/acre Mulch Seed* Ky-31 Tall Fescue 30 lbs/acre Seed*Ky-31 Tall Fescue 30 lbs/acre 5 lbs/acre Annual Rye 5 ibs/acre Annual Rye 10 lbs/acre Red Clover 10 lbs/acre Red Clover *Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amoun OSTRANDER LAND SURVEYING, INC. PLAN PREPARED BY Rexford L. Ostrander ADDRESS Rt. 2, Box 375-6 NOTES: Please request landowners' cooperation to protect new 26201 Buckhannon, WV

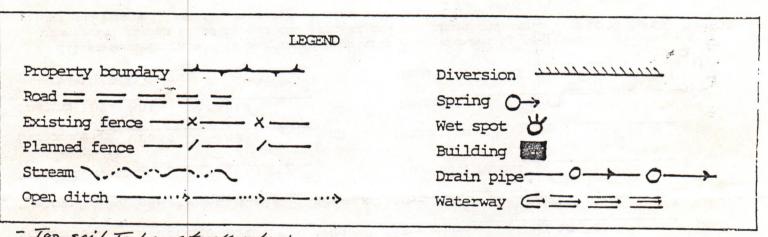
PHONE NO. 304-472-0817

seedling for one growing season.

Attach separate sheets as

necessary for comments.





- Top soil To be stockpiled,
-All cuts to be on a 2:1 slope unless in rock.
-Drainage to be maintained after completion of well and seeding to commence within 6 months after completion of well.



necessary for comments. Attack separate sheets as

cooperation to protect new

Inoculate with 3X recommended anount.

Lidina Clover

Seed* Orchard Grass

Куе

5 lbs/acre

10 lbs/acre

30 Ibs/acre

nospas grivorg and rol grilbass

NOTES: Please request landowners

WELL NO.

016-B

S861 'ITAdy 6

HECENED (Rev 8-81)

STOR/SUDI Mulch (10-20-20 or equivalent) (10-20-20 or equivalent) lbs/acre Fertilizer 009 1bs/acme Fertilizer 009 or correct to pH . 9 or correct to pH Tons/acre Tons/acre Treatment Area II I serk treatment DEPT. OF M.N. HAY MEADOWS REVEGETATION OL & G S DIVISION cut and removed from the site before dirt work begins. All structures should be inspected regularly and repaired if neggesary. Page Ref. Manual Page Ref. Manual 2-4 Lios [LEITH MATERIA] 50%-42. Spacing 10%- 801 .09-%ST Structure Sediment trap (3) (C) Structure Cross Drains Page Ref. Manual Page Ref. Manual 2-12 road. Cios [STATEM Spacing To be constructed along access (2) Drilling Pit Structure (B) Drainage Ditch Structure Page Ref. Manual Spacing As shown and as needed. (15" min. when leaving State road.) Page Ref. Mamual 2-7 Material Soil (2% max. slope) (I) Strudtime Diversion Ditch (A) Culverts Structure NOTIFICAL DACESS ROAD (Dated) and additions become a part of this plan: All corrections This plan has been reviewed by Enterprises (Agent) 1787 Revegetation to be carried out by SOIL COME, DISTRICT TYEART VALLEY SCD IANDOMNER Benjamin Golden 304-472-9404 Telephone Telephone 304-472-9404 Buckhannon, WV 26201 Buckhannon, WV 26201 Address DESIGNATED ACENT Blobard Beddicliff Address OMPANY NAME J&J Enterprises, Inc. DASTRUCTION AND RECLAMATION PLAN Conservation District mieitig exd den lie Tygan Valley Soil (Revised plan) Ernifft, de bramtrage & 8861 SI 985 8-80% - 100 - C12 ON 19A Enright Has Et in state

5 lbs/acme Lidina Clover 10 lbs/acre 30 lbs/acre Seed* Orchard Grass STOS/SOUT WITCH

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium.

PHONE NO. 304-472-0817

OSTRANDER LAND SURVEYING, INC.

ADDRESS Rt. 2, Box 375-6 PLAN PREPARED BY Rexford L. Ostrander

Buckhannon, WV **SPSOJ**

RECEIVED

APR 1 9 1984

OIL & GAS DIVISION
DEPT. OF MINES

P 471 414 394

RECEIPT FOR CERTIFIED MAIL

NOT FOR INTERNATIONAL MAIL PS Form 300, eb. BUCKEAN HOAT V 26201 TOTAL Postage Wolf ees Date, and Address of Delivery Certified Fee Postage P.O., State and ZIP Code Restricted Delivery Fee Special Delivery Fee Street and No. Sent to to whom and Date Delivered Return Receipt Showing Belington, WV Rt. #2 Benjamin Golden 26250 394 7 .75 .37 60

PS Form 3800, Feb. 1982

TOTAL Postage and Fees Postmark of Date to whom and Date Delivered BUCINHANNON, WV 2925T Date, and Address of Denty Return Receipt Showing to whom, Return Receipt Showing 89 60

Pittsburgh, P. O. Box 268 Sarah Mellon Scaife Foundatio Special Delivery Fee Street and No. Restricted Delivery Fee Certified Fee Postage P.O., State and ZIP Code 75

Certified Fee

Postage

Sent to

(See Reverse) - 909 A-40

Sent to CHARLESTON NATIONAL BANK

NOT FOR INTERNATIONAL MAIL

J-911 (See Reverse) J-909, J±910

P.O., State and ZIP Code

Charleston, WV

25311

. 54

75

Street and No.

PS Form 3800, Feb. 1982

Form 3800, Feb. 1982

Date, and Address of Delivery Return Receipt Showing to to whom and Date Delivered Return Receipt Showing Restricted Delivery Fee Special Delivery Fee Postmar (2) Date TOTAL PASSAGE and FROM J & JENTERBYUSES, INC. BUCKNAN 26231 WV 26231 \$1,89 60 . .

RECEIPT FOR CERTIFIED MAIL NO INSURANCE COVERAGE PROVIDED-414 389

RECEIPT FOR CERTIFIED MAIL NO INSURANCE COVERAGE PROVIDED-NOT FOR INTERNATIONAL MAIL

414

391

9

& GAS DIVISION

Pittsburgh, PA BUCKHANNON, WV 2850 Postmark or Date TOTAL Postage ANTHOS OR \$1.89 Date, and Address of Delivery Return Receipt Showing to whom, to whom and Date Delivered Restricted Delivery Fee Special Delivery Fee Certified Fee P.O., State and ZIP Code Street and No. Eastern Associated Coal Corp Sent to Return Receipt Showing 700 Coppers Building P 471 414 330 RECEIPT FOR CERTIFIED MAIL & JENTERPRISERY NO INSURANCE COVERAGE PROVIDED-NOT FOR INTERNATIONAL MAIL P. O. BOX 48 AN (See Reverse) 9-909 9-510 414 390 60 . 54 75

OIL & GAS DIVISION DEPT. OF MINILS



DEPT. OF. MINES

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

Benson: Perforations: 3767-81 (16 holes)

Fracturing: 400 sks. 20/40 sand: Foam frac.

1st. Elk: Perforations: 4031-33 (5 holes)

2nd Elk: Perforations: 4475-78 (7 holes)

Fracking: 300 20/40 sand: Foam frac.

Fracking: 300 sks. 20/40 sand: Foam frac.

3rd ELk: Perforations: 4974-76 (7 holes) }
4th Elk: Perforations: 4723-2- (5 holes) }
Fracking: 300 sks
Haverty: Perforations: 5113-16 (7 holes) 5124-28 (7 holes)

Fracturing: 400 sks. 20/40 sand: 572 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf=Pwe XGLS

 $t=60 + (0.0075 \times 5246) + 459.7 = 559 \times 53.35 \times 559 = 29823 = 0.000034 \text{ Pf=}1700 \times 2.72$ $(0.000034)(0.680)(4448)(0.9) = 1700 \times 2.72^{0.09} = 1700 \times 1.09$

RMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand	0	48	1" stream @ 50'
Coal	48	50	1 Scream e 50
Sand & shale	50	128	2" stream @ 110'
Coal	128	132	Z Sciedii e 110
Sand &shale	132	590	3" stream @ 180'
Sand, shale & red rock	590	770	5 Sciedaii e 100
Sand & shale	770	830	More water @ 305'
Red rock & shale	830	1065	More water 6 303
Lime	1065	1175	Gas ck @ 1333 2/10-1" w/water
Big Injun	1175	1320	14.90 cu.ft.
Lime	1320	1330	14,50 cd.1c.
Sand & shale	1330	2100	Gas ck @ 1981 No show
Sand & shale	2100	2640	Gas CR @ 1981 NO SHOW
Sand & shale	2640	3767	Gas ck @ 2073 No show
Benson	3767	3781	Gas CR @ 2075 NO Show
Sand & shale	3781	4031	Gas ck @ 2719 2/10-1" w/water
lst ELk	4031	4033	16,650 cu.ft.
Sand & shale	4033	4475	16,650 Cu.1C.
2nd Elk	4475	4478	Gas ck @ 3150 No show
Sand & shale	4478	4974	Gas CK @ 3150 NO Show
3rd ELk	4974	4976	Gas ck @ 3825 4/10-2" w/water
Sand & shale	4976	4723	84,000 cu.ft.
4th ELk	4723	4726	84,000 cu.it.
Sand & shale	4726	5113	
	5113	5128	Gas ck @ 4626 6/10-2" w/water
Haverty	5128	5400	103,000 cu.ft.
Sand & shale	3120	T.D.	2 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
			Gas ck @ 5069 3/10-2" w/water
			73,000 cu.ft.
		7 70	0/10/201/
			Gas ck @ collars 8/10-2" w/water
			119,000 cu.ft.
		SOLITO I TO	Las For the second of the formation of
The second secon			
			TANK THE PERSON ASSOCIATION
			The state of the s
		The second secon	

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator

Date: 5/28/85 Robert Dahlin - Geologist

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

OIL & GAS DIVISION (Rev 8-81) DEPT. OF MINES



State of Mest Wirginia

Bepartment of Mines Gil und Gas Bivision

Date May	28, 1985
Operator's Well No.	J-910
Farmenjamin	Golden
API No. 47	- - 01 - 2055

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 1785 Watershed I	Laurel Run			
District: Philippi County Barbo	our	Quadrangle	Belingt	on
OMPANY J&J Enterprises, Inc.			e.i.	30.00
ADDRESS P.O. Box 48, Buckhannon, WV 26201	[a :	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7.61	Cement
DESIGNATED AGENT Richard Reddecliff	Casing	Used in		fill up
ADDRESS P.O. Box 48, Buckhannon, WV 26201	Tubing	Drilling	in well	Cu. ft.
SURFACE OWNER Benjamin Golden	Size 20-16			
	Cond.			
ADDRESS Rt. # 2, Belington, WV 26250	13-10"	17	0	0 sks.
MINERAL RIGHTS OWNER L.L. Moss	9 5/8			
ADDRESS Rt. # 2, Buckhannon, WV 26201	8 5/8	708.10	708.10	260 sks
OIL AND GAS INSPECTOR FOR THIS WORK Phillip Forest Festival Terrace	7			· 展览上世上
Tracy ADDRESSApt. 24, ELkins, WV 26241 5/11/85	5 1/2		R 24	
1/24/95	4 1/2	5245.90	5245.90	410 sks
DRILLING COMMENCED 4/24/83	3			
DRILLING COMPLETED 5/3/85	2			The flux
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CN	Liners used			yd Savig
GEOLOGICAL TARGET FORMATION FOX		Dep	th	feet
Depth of completed well 5400 feet	Rotary	x / Cabl	e Tools	
Water strata depth: Fresh 50,110,1feet;				
Coal seam depths: 48-50,128-132, 305		being min	ed in the	area? No
ODEN IN OUR DAMA				_20
			5113	
Producing formation Haverty		y zone dep		
Producing formation Haverty Gas: Initial open flow Mcf/d	Oil: In	itial open	flow_	Bb1/c
Producing formation Haverty Gas: Initial open flow Mcf/d Combined Final open flow 1,055 Mcf/d	Oil: In	itial open nal open f	flow	Bbl/d
Producing formation Haverty Gas: Initial open flow Mcf/d	Oil: In	itial open nal open f	flow	Bbl/c
Producing formation Haverty Gas: Initial open flow Mcf/d Combined Final open flow 1,055 Mcf/d	Oil: In Fi	itial open nal open f inal tests	flow_low_4hc	Bbl/ours
Producing formation Haverty Gas: Initial open flow Mcf/d Combined Final open flow 1,055 Mcf/d Time of open flow between init	Oil: In Fi Tial and f The measure The measure	itial open nal open f inal tests ment) afte	flow_low_4hor_96 hou_4475-	Bbl/ours ars shut it
Producing formation Haverty Gas: Initial open flow Mcf/d Combined Final open flow 1,055 Mcf/d Time of open flow between init Static rock pressure 1700 psig(surface)	Oil: In Fi Fial and f measure) Ben	itial open nal open f inal tests ment) afte	flow	Bbl/ours ars shut in 78 3767-8
Producing formation Haverty Gas: Initial open flow Mcf/d Combined Final open flow 1,055 Mcf/d Time of open flow between init Static rock pressure 1700 psig(surfact (If applicable due to multiple completion)	Oil: In Fi Fi Tial and f THE MEASURE 1) Ben 4th Elk Pa	itial open nal open f inal tests ment) afte son y zone dep	flow 4hour 96 hour 4475-4031-4723-	Bbl/ours ars shut in the shade of the shade
Producing formation Haverty Gas: Initial open flow Mcf/d Combined Final open flow 1,055 Mcf/d Time of open flow between init Static rock pressure 1700 psig(surface) (If applicable due to multiple completion) Second producing formation 1st,2nd,3rd & 4	Oil: In Fi Fi Fial and f Exe measure 1) Ben 4th Elk Pa Oil: In	itial open from the son y zone deprint open itial open	flow	Bbl/ours ars shut in 78 3767-8 33 fee Bbl/o
Gas: Initial open flowMcf/d Combined Final open flow1,055Mcf/d Time of open flow between init Static rock pressure1700psig(surface) (If applicable due to multiple completion) Second producing formation1st, 2nd, 3rd & 4 Gas: Initial open flowMcf/d	Oil: In Fi Fi Fial and f Exe measure 1) Ben 4th Elk Pa Oil: In Oil: Fi	itial open from the son y zone depinal open from the son the s	flow	Bbl/ Bbl/ ars shut i 78 3767-8 26 fee Bbl/ Bbl/



DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

DISTRICT WELL INSPECTOR

INSPECTOR'S WELL REPORTDEPT. OF MINES

Permit No. <u>061-2055</u>			Gas Well			
Company J J Cont	Farisle	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKE	ERS
Address Buckhon		Size				
Farm GOLDEN		16			Kind of Pack	er
Well No. 7 9/0		13			Size of	
District Phillippi	County Borlian	81/4				
Drilling commenced		6%			Depth set	Decide with the collection of the control of the co
Drilling completed	Total depth	3			Perf. top	
Date shot	Depth of shot	2			Perf. bottom.	
Initial open flow	/10ths Water inInch	Liners Used			Perf. top Perf. bottom	
Open flow after tubing	/10ths Merc. inInch				7	
Volume	Cu. Ft.	CASING CEME			No. FT	Date
Rock pressure	lbshrs.	NAME OF SE				
Oil	bbls., 1st 24 hrs.					
Fresh water	_feetfeet				FEET	
Salt water	feetfeet	FEET	INC	HES	FEET	INCHES
Drillers' Names						
Remarks: Builder	y Josatio					

Form 26 2/16/82

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

MOISING SAGING INSPECTOR'S PLUGGING REPORT

Permit No.				V	Vell No	
COMPANY			ADDRESS			
FARM		DISTRICT .	C	OUNTY		
				·		
iner Loc	cation	Amou	nt Packer	Loc	cation	
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOS
			The state of the s			
*						
illare' Names			-1 40			
rillers' Names		×				
emarks:						
					*	
DATE	ereby certify I visite	d the above well	on this date.			
DATE						

DISTRICT WELL INSPECTOR

COMP OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

INSPECTOR'S WELL REPORT LIFT. OF MINES

Permit No. DOI 20					or Gas Well	
Company J & J. E	ilaprine	CASING AND TUBING	USED IN DRILLING	LEFT IN	PA	CKERS
Address Buchho		Size				
Farm GOLDE	ı	16			Kind of Pa	acker
Well No. 1785		13				
	25 County Bochon	81/4			Size of	
Drilling commenced 4	24-85	6%		***************************************	Depth set	
Drilling completed	Total depth	5 3/16			7	
Date shot	Depth of shot	2				om
Initial open flow	/10ths Water inInch	Liners Used				
Open flow after tubing	/10ths Merc. inInch				Perf. botto	m
Volume	Cu. Ft.	CASING CEMEN	NTED	_SIZE	No. FT	Date
Rock pressure	lbshrs.	NAME OF SER	VICE COMPA	YY		
Dil	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
resh water	feetfeet	FEET_	INCHI	ES	_FEET	INCHES
salt water	feetfeet	FEET_	INCHI	ES	FEET	INCHES
Orillers' Names	n Jack # 1	9				
demarks: Ris up	+ Spen					

4-24-85

DISTRICT WELL INSPECTOR

Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

OMPANY						ell No	· .
Filling Material Used							
Filling Material Used	ARM		DISTRICT _	C	OUNTY		
PLUGS USED AND DEPTH PLACED CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOST LOST CONSTRUCTION-LOCATION RECOVERED SIZE LOST CONSTRUCTION RECOVERED SIZE CONSTRUCTION RECOVE							
CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOST	iner Loc	cation	Amour	nt Packer	Loc	ation	
Drillers' Names	PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASING	G AND TU	BING
Remarks:	CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
Remarks:				See See See			
Remarks:							
Remarks:		-					
Remarks:							, ,
Remarks:							
Remarks:							
Remarks:							
Remarks:							
Remarks:							
Remarks:							
Remarks:		1					
Remarks:		-					
Remarks:							
Remarks:	Drillers' Names						
	D 1						
I hereby certify I visited the above well on this date.	Remarks:						
I hereby certify I visited the above well on this date.							
I hereby certify I visited the above well on this date.							
I hereby certify I visited the above well on this date.							
I hereby certify I visited the above well on this date.							
I hereby certify I visited the above well on this date.							
		I hereby certify I vis	sited the above w	ell on this date.			

Permit No.001-2055



DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES

Oil or Gas Well_

			(KINC	01
Company J & Entryriaes	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address Buchhannon 20,2	Size	,		
Parm & alden	16			Kind of Packer
Well No. J 9/0	13			G: 4
District Phillippi County Dorlever	The same of the sa	708/	They	Size of
Drilling commenced 4-24-85	6%		-	Depth set
Drilling completedTotal depth	5 3/16			
Date shotDepth of shot	2			Perf. bottom
Initial open flow/10ths Water inInch	Liners Used			Perf. top
Open flow after tubing/10ths Merc. inInch				Perf. bottom
VolumeCu, Ft.	CASING CEMEN	NTED 85	SIZE 8	No. FT Date
clock pressure lbs hrs.	i .			Rebuton
bbls., 1st 24 hrs.				TO SO FINCHES
resh waterfeetfeet				EETINCHES
alt water feet feet				EETINCHES
rillers' Names S. W. Juck #1				
emarks: 270 Ahr Cunt, G	A Wen	1011	050	2160 110
1018 911				

4-20-85

DESCRIPTION WELL MADERIA

Form 26 2/16/82

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

OMPANY			_ ADDRESS			
			CC			
					261	
iner Lo	ocation	Amount	Packer	Loc	ation	4
PLUGS USED	AND DEPTH PLACED		BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
	War and the second		De la serie		2000	3
	n e		7	V = V		
						-
	-					
Drillers' Names						
Drillers Names	200 200	4 0 5 8				
Remarks:						
	_ I hereby certify I	visited the above we	ell on this date.			
DATE						

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



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

	GOLDEN, BENJAMIN	ES Well: J-910	Permit No. 47 County:BARBOU		(5-11-84)
Rule	Bescripti	on	In Coms Yes	eliance No	
25.04 25.03 16.01 15.03 15.02 15.01 15.04 15.05 23.02 23.04 23.05 23.07 16.01	Hish pressure dril Required permits a Adequate Fresh Wat Adequate Coal Casi Adequate Productio Adequate Cement St Cement Type Maintained Access Necessary Equipmen Reclaimed Drilling No Surface or Unde	lling to prevent wastaling t wellsite er Casing ns n Casing rength Roads t to Frevent Waste Fits rground Pollution roduction & Gathering te			
I HAVE	E INSPECTED THE ABOV	VE CAPTIONED WELL AND eived and reclamation 4, Section 2, the ab	SIGNE DATE 9-14	<i>UR Ell</i> . 6-85 ved. In acco	ordance
				mistrator mber 30, 1985	

STATE OF WEST VIRGINIA

JUN 14 1985

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

	ON WELL CENSSITICATION
Date: May 30 ,19 85 24150	AGENCY USE ONLY
Applicant's Name: J & J Enterprises, Inc.	WELL DETERMINATION FILE NUMBER
Address: P.O. Box 697	850 521 -1120 001 0 00
Indiana, PA 15701	<u>850531 -1030-001 - 2055</u>
Gas Purchaser Contract No.	Use Above File Number on all Communications Relating to This Well
Date of Contract (Month, day and year)	
First Burchasen	
First Purchaser: Tennessee Gas Pipeline Company	Designated Agent: Richard Reddecliff
Address: P.O. Box 2511	Address: P.O. Box 48
(Street or P.O. Box) Houston, Texas 77001	Buckhannon, WVA 26201
(City) (State) (Zip Code)	FERC Buyer Code
NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNED ADDRESSED:	NING THIS ADDITION CHAIN
Name: Vicki Vanderberg	THE THIS APPLICATION SHALL
Signature: (Print)	(Title)
Address: P.O. Box 697	
(Street or P.O. Box) Indiana, PA. 15701	
Telephone: (City) (State) 349-6800	(Zip Code)
(Area Code) (Phone	Number)
(Certificate of Proof of Service to Purch	aser)
NGPA Catagory Ap	plied For
NGPA SECTION/SUBSECTION	
102 New Natural Gas 102-2 2.5 Mile Test	108 Stripper Well Natural Gas
102-3 1000 Foot Deeper Test New Onshore Reservoir	108- Stripper Well
103 New Onshore Production Wall	108-2 Enhanced Recovery 108-3 Temporary Pressure Buildup
103 New Onshore Production Well	, vessure buridup
107 High Cost Natural Gas 107-0 Deep (more than 15,000 feet)	AGENCY USE ONLY
107-2 Coal Seams	
107-3 Devonian Shale	
107-6 New Tight Formation 107-7 Recompletion Tight Formation	
DECENDED	
MESER BU	QUALIFIED
MAY 3 1 1985	
OIL & GAS DIV. DEPT. OF MINES	
OI MINES	
ate Received	

Determination Date

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

tate P	Tay 30	19.85
Operator' Well No	5	
API Well No. 47 State	- 001 - 6	<u>055</u>

x 2.72

WELL CLASSIFICATION FORM NEW ONSHOPE PRODUCTION WELL SCPA Section 103

		DESIGNATED AGENT James R. Willett
		ADDRESS S.W. Jack Drilling Company
WELL OPERATOR	J & J Enterprises, Inc.	Box 48 Buckhannon, W. VA. 26201
	P. O. Box 697	LOCATION Elevation /785
	Indiana, PA 15701	Dist Philippi county Barboul quad Bellin
CAS PURCHASER		Disc Philippi Councy Barbout quad Belin
ADDRESS P.O.	Tennessee Gas Pileline Co. Box 2511	Contract No.
Houston,	Texas 77001	Meter Chart Code
		Date of Contract
* * *	* * * * * *	* * * * * * * * * * * *
Date surface di	rilling was begun: Apri	L 24, 1985
Indicate the bo	ottom hole pressure of the well as	nd explain how this was calculated:
		the explain now this was calculated:
Rock Pressur	e: Well	was shut in several days after
	treat	ment and pressure was measured
BOTTOM	HOLE PRESSURE Pf=Pwe XGL	S Carro
t=60 + (0.0075	x 5246) + 459.7 = 559 x=	$\frac{1}{53.35 \times 559} = \frac{1}{29823} = 0.000034 \text{ Pf=1700}$
(0.000034) (0.0	(80) (4448) (0.9) =1700 x 2.72	$0.09 = 1700 \times 1.09$
11- 1033 PSI	IVACITAL	T
reservoir from win commercial qui was capable of p the best of my i is a new onshore	which gas is or will be produced antities or on which surface drill antities or on which surface drill reducing gas in commercial quantity	ng been first sworn according to law state that rmination is sought was begun on or after February 19, eral well spacing requirements and the well is not e surface drilling began, which was applicable to the and which applied to any other well producing was lling began on or after February 19, 1977, and which ities. I state, further, that I have concluded, to that the well for which this determination is sought busion.
		James Cy On a
		James & molusin
STATE OF CEST VI	CINIA. YA	
COUNTY OF Indi	ana . TO WIT:	
I.V	icki L. Vanderberg, a Hotary	Public in and for the state and county aforesaid,
corerry chal	those pame :	
the 30 day of	may , 1985, has ackn	nowledged the same before re, in my county aforesaid
Cive	n under my hand and official seal	this 30 day of way . 198885
my X	DEMINISSION	day of January 1988
[NOTARIAL SEAL]		Victoria Vandulung
		Notary Public

VICKI L. VANDERBERG, NOTARY PUBLIC INDIANA BUROUGH, INDIANA COUNTY MY COMMISSION EXPIRES JAN. 23, 1988 Member, Pennsylvania Association of Notaries

