FORM WW-2(B) FILE COPY (Obverse)

7/85



1)	Date:Se	ptem	ber 26	, 19	85
2)	Operator's Well No	JK-	1242		
3)	API Well No.	47	-095-1114		
		State	County	F	Permit

STATE OF WEST VIRGINIA

DIVISION OF OIL & GREPARTMENT OF ENERGY, OIL AND GAS DIVISION

DF	PARTME	NT OF	ENERG	APPLIC	ATION FOR A WELL	WORK PERMIT		
4) WELL TY			/ Ga		/			
	В (І	f "Gas",	Production	1 X	/ Underground sto	orage	_/ Deep	_/ Shallow/)
5) LOCATIO		vation: _	1087	11	Watershed:	Big Run		
		trict:	Centerv	ille	/ County: Ty	yler	Quadrangle:	West Union 7.5%
6) WELL OP	ERATOR	J & J	Enterp	rises, co	ODE: 24150 7) DESIGNATED	D= - -	rd Reddecliff
Address		P.O. E				Address	P.O.	Box 48
		Buckha	nnon,	WV 26210)		Buckh	nannon, WV 26201
8) OIL & GA	S INSPEC	TOR TO	BE NOTII	FIED	9) DRILLING CO	NTRACTOR:	
Name		ert Lo				Name		Orilling Co.
Address			eliver			Address	P.O. Box 48	
	Mid	dlebou	irne, W	IV 26149			Buckhannon	, WV 26201
10) PROPOSE	D WELL	WORK:	Drill	X / D	rill deeper	_/ Redrill	/ Stimulate/	(
, ,					ion/ Perforat			
					e in well (specify)			
11) GEOLOG	ICAL TAR	GET FOR		Rhine	Street			
12) Estim				5995	feet			
13) Appro	oximate trat	a depths:	Fresh, _	130'	feet; salt,_	N/A	feet.	
14) Appro	ximate coa	seam dep	ths:	N/A	Is coal	being mined in the	area? Yes	/ NoX
15) CASING	AND TUBI	NG PRO	GRAM					
CASING OR	1	SPEC	CIFICATIONS	3	FOOTAGE IN	TERVALS	CEMENT FILL-UP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor		H-40	42	X	305350'	A 250'	0 Sacks C7	Sods by rule (50)
Fresh water	8 5/8	Children and Children	23	X	10871/587	10871587	T 0 C	by rule (SA)
Coal	8 5/8	Service and the service and	23	X	108711587	10871587	To Surface	Sizes
Intermediate	0 0/0							A STATE OF THE STA
Production	41/2	J-55	10.5	X	5995'	5945'	300 Sacks	Depths set
Tubing	1-2	0 00	1			3310		ed by rule 15-01
Linc.s								Perforations:
								Top Bottom
				110 (5) (12)	Low wolfoff			A principal specific control of the
					OFFICE USE O	NLY		The state of the W
					DRILLING PER	MIT		
D	17-	-095-	1111				Con	tember 30 1985
Permit number_	47	-095-	1114		-		Dat	
This permit cove	ering the w	ell operato	or and wel	l location sho	wn helow is evidence of	nermission grante		ice with the pertinent legal re-
								and Gas Inspector, (Refer to tractor shall notify the proper
io. 8) Prior to th	e construct	ion of roa	ds, locatio	ns and pits fo	r any permitted work. d work has commenced.	In addition, the we	ell operator or his con	tractor shall notify the proper
The permitted w reverse hereof.	ork is as de	escribed in	the Notic	e and Applica	tion, plat, and reclamat	ion plan, subject to	o any modifications a	nd conditions specified on the
Permit expires	Set	temb	er 30	. 1987	unless well u	ork is commenced	nrior to that data and	prosecuted with due diligence.
remit expires _	501	CCIIIO	CI OU	, 1001	unicss wen w	ork is commenced	prior to that date and	prosecuted with due dingence.
					T	1	—	
Bond:	Agent	: P	lat:	Casing	Fee WPCP	S&E	Other	
	Art	5 h	12/	mul	2079 mx	mall		1
	, ,	- 1	1.0	,,,,,	7	1/1	10	, /
						1 Bur	anote)	1 horse
NOTE: Keep o	one copy of	this perm	it posted a	at the drilling	location.	rector, Div	ision of Oil	and Coca in a
78.8		1 16 1 10				-//		an 05/03/2024 File
		Soo	the reverse	side of the	APPLICANT'S COPY OF	or instructione to	the well operator.	

FORM	WW-2	(B)
Rever	se	

West Union 7.5'

FILE COPY

OFFICE USE ONLY

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

P.O. Box 48

Buckhamon, WV 26210

Buckhamon, WV 26201

Robert Lowther

Robert Lowther

General Delivery

Middlebourne, WV 26149

Ell work Dell X Dell dependence

Plus of our formation

Phose of our formation

Constructed ourse of west.

12 X 2007 16 87 2007 15 87 2007 15 80 1 2007 15 80 1 200 1 2

OFFICE USE ONLY

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

Date

Date

Date

Date(s)

Application received

Follow-up inspection(s)

Well work started

"""

Completion of the drilling process

Well Record received

Reclamation completed

"""

OTHER INSPECTIONS

Reason:

Reason:

1)		September	26	· Carri	19	85
	Operator	S				_

2) Well No. JK-1242

3) API Well No. 47 -099

State County Permit

STATE OF WEST VIRGINIA

					21111	TIE	I OF ENER	GY, DIVISION OF OIL & GAS	
				NOT	ICE	OF	APPLICATI	ION FOR A WELL WORK PERMIT	
.)	SURFACE	OWNER(S)	OF	RECORD	TO	BE	SERVED	5 (i) COAL OPERATOR	
	1.1							Address	-

		ER(S) OF RECORD TO	BE SERVED 5	(i) COAL OPERATOR N/A Address
	Name_ Address_	O.W. Griffin P.O. Box 3025 Parkersburg, WV 2	5 (±	i) COAL OWNER(S) WITH DECLARATION ON RECORD:
(ii)	NameAddress_	DELOGRA THE BOOK OF THE SECOND		Name N/A Address
(iii)	NameAddress			Name Address
			5 (ii	i) COAL LESSEE WITH DECLARATION ON RECORD: NameN/A Address

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

- (1) The Application for a Well Work Permit on Form WW-2(B) which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- The plat (surveyor's map) showing the well location on Form WW-6, and The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosin and sediment control and for

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 WW-2(B) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B 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 Director of the Division of Oil and Gas, with respect to a well at the location described on attached Application and depicted on attached Form WW-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

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 22B-1-8(c)(1) through (4). (see reverse side for specifics.)

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?

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

he	truth of the information
nd	Application is verification on the Notice
	Application is verified and sworn to and Notice is signed on behalf of the Well
per	my obuilty and chara t
	Richard Reddecliff

nis 26	day	Reddecli	ff	3 97	1971
My Acon	mminai	Septemb		_;	19 85 19 92
Notar, State	Puylic, of We	Gilmer est Virgir	nia	Coun	ity,

WELL OPERATOR J & J Enterprises, Inc. Its Designated Agent Address P.O. Box 48 Buckhannon, WV 26201 Telephone 472-9403 05/03/2024

DEPARTMENT OF ENERGY

INSTRUCTIONS TO APPLICANT

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Division of Oil & gas.
- 4) & 5) Use separate sheet if necessary.
 - 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code §22B-1-9(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
 - 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iiii) See Code §22B-1-36.
 - 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 §22B-1-6 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 §22B-1-2C and the reclamation required by Code §22B-1-30 and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code §22B-1-2(c) and 22B-1-29, and (v) if applicable, the consent required by Code §22B-1-21 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 § § 22B-1-9, 22-B-1-13 and 22B-1-14.

INFORMATION SUPPLIED UNDER CODE \$22B-1-8(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, etc. Royalty Book page

26201

WW-9



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY



DATE Sept. 24, 1985

WELL NO. JK-1242

API NO. 47 - 095 - 1/14

State of Mest Nirginia
Pepartment of ENERGY
Gil und Gas Bivision

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME J & J Enterprises,	Inc. I	DESIGNATE	D ACENT	Pich:	ard Reddecli	
Address P.O. Box 48 - Buckl						
Telephone 472-9403	26201	Teleph	one		- Buckhannon	n, WV
LANDOWNER O.W. Griffin			-	472-9		
Revegetation to be carried out by	J&.		ons. Dis. rises, In			
This plan has been reviewed by	Doper	OL.				lgent)
and additions become a part of this p		-21-	6	SCD. 1	Il correctio	ns
		Dar	te)			
		Your 1	Tus!	ni	_	
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Spacing Along inside rd, cuts	io Danacald - 1.8885 E	Materia	il Ear	then	A STATE OF TO	_ (1)
Page Ref. Manual 2-12		Page Re	f. Manua	12_	12	_
Structure Cross Drains	_ (B)	Structur	re Sed	iment Ba		_
Spacing as perutable 1 in manual 2-4			1 Logs		-	_ (2
Page Ref. Manual 2-1			f. Manual			
Structure Road Culverts	(C)	Structur	_			-
Spacing One 16" as shown		Material			4.	(3)
Page Ref. Manual 2-7			. Manual			-
All structures should be inspected commercial timber is to be cut and cut and removed from the site before	d regularly stacked and e dirt work EVERTATION	begins.	tired if the desired in the desired	necessa all tim	ry. All ber to be	
Treatment Area I						
Lime 3 Toms/acr	Te.	Lime	Treatme	ant Area	<u> </u>	
or correct to pH 6.5			rrect to	DH	3 Tons/a	cre
Fertilizer 600 lbs/acre (10-20-20 or equivalent)		Fertilize			600 lbs/ac	
14.7			(10-20-	20 or e	quivalent)	re
Foods VV 21	State 12 1 1 2 1 2 1 1 1	Mulch	Нау		2 Tons/ac	TTe
		Seed*	Orchard		30 lbs/ac	
Dod Clause			Ladino		5 lbs/ac	
TO, COLLE			Red Clo		5 150/	
*Inoculate all legumes such as vetch, Inoculate with 3% recommended amount.	, trefoil a	rd clover	es with th	he prope	er bacterium.	
	FLAN FREPA	LEED EV	Smith L	and Sur	ve 05//03/2. 02	4
cooperation to protect new		DRESS	111 Sou		La la de la	
Artach separate sheets as			Glenvil	le, WV	263351	
necessary for comments.	FHON	E NO.	304-462-	-5634		

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAGHIC MAP. QUADRANGLE West Union 7.5'

WELL SITE ACCESS ROAD ———



05/03/2024

UPEN DITOH

GLENVILLE, WV. 26351

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book page
* Mary E. Micheal * Irma G. McKelvey * Hattie Scheffer, et.vir. * Herma H. Hess, et.ux. * Alena Kay Molnar, et.ux. * Garnet I. Hess Edith Griffin H.H. Furbee, hrs. W.H. Carter, hrs.	J & J Enterprises, Inc. J & J Enterprises, Inc.	1/12 1/12 1/12 1/12 1/12 1/12 1/4 0il 1/4	256/436 256/438 256/440 256/442 256/444 256/446

^{*} Leased Rights

FORM WW-2(B) (Obverse) 7-85

Its

SURFACE OWNER'S COPY



1)	Date: Sp	ptember 26	. 19 85
2)	Operator's Well No.	JK-1242	
3)	API Well No.	47	

County

Permit

State

(Signature)

Date 9-56-85

		17/	SE SE	P3QE		F OF ENERGY, OI		ISION	
			DISINE	NAFOI	1 & Gastic	ATION FOR A WEL	L WORK PERMIT		
		0	EDARTA	MENT O	ENERGY				
4) WEL	LTY	PE: A 4	on	/ G	as A	/			mineralism
		B (If "Gas",	Production	n A	Underground s		/ Deep	_/ Shallow/)
5) LOC	ATIO		evation:	antown	(4110	Watershed:	Big Kun		West Union 7 51
			Strict.	enter	and an a	County:	yler	Quadrangle:	West Union 7.5'
	759 353	ERATOR		2.0	orises,	CODE: 24150	7) DESIGNATEI	AGENT DA	Boy AB
A	ddress	6 6 		ox 48	WV 26210		Address	Ruckh	annon, WV 26201
						The second secon		And the second second second	dimon's at 20201
		19 - 1	TOR TO		FIED		9) DRILLING CO	ONTRACTOR:	rilling Co.
Name				owther Deliver	PV		Name	P.O. Box 48	
A	ddress		dlebou	Marie College	IV 26149		Address	Buckhannon,	
				111111111111111111111111111111111111111	Y			Y	111 20202
10) PRO	POSE	D WELL	WORK:	Drill	/ Dr		/ Redrill	/ Stimulate	
						on/ Perfor	ate new formation		
					Rhine	in well (specify)			
11) GEO	A CONTRACTOR				5995	. 001000			
			of complet		130	feet	N/A		
			a depths:		N/A	feet; salt,	a Al Colon Carlon Street	feet.	Y
			l seam dep		11/15	ls co	al being mined in the	e area? Yes	/ No/
15) CASI	NG A	ND TUBI	ING PRO	GRAM					
CASING OF			SPEC	IFICATIONS Weight		FOOTAGE II	NTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
TOBING I		Size	Grade	per ft.	New Used	For drilling	Left in well	(Cubic feet)	
Conductor		11 3/4	H-40	42	X	30'	0,	0 Sacks	Kinds
Fresh water		8 838	ERW	23	X	1087	1087'	To Surface	
Coal		8 5/8	ERW	23	X	1087	1087'	To Surface	Sizes
Intermediate									
Production		435	J-55	10.5	X	5995'	5945	300 Sacks	Depths set
Tubing								or as requir	ed by rule 15-01
Liners									Perforations:
				100000					Top Bottom
ecord s	in 1 sign	ess th	nan 15 ne foll	days flowing the A	from the "Volunta Applicati	filing of the ry Statement on.	e Applicatio of Nc Objec	on if the surf ction" on a fa	the permit can be face owner(s) of acsimile of this
				V	DLUNTARY	STATEMENT OF	NO OBJECTIC	N .	
	I	hereh	v stat	e that	I have	read the inst	ructions to	surface owne	ers on the reverse
side of									of Application for
									mit on Form WW-2(B)
3) a su	irve	v plat	on Fo	orm WW-	6, and (4) a Construc	tion and Re	clamation Pla	an on Form WW-9, all
						land as descr			
									scribed in these
aterial								ased on those	
						ership, etc.)			stural persons)
- OL CAR		_0 2)	OOLP		, рад ал				France .
IAME:								2001 80	100.
							X	1 V	expr.
Ву								(Signature)	Date 4-26-85
							-	-1:41	4. 11

Date

FORM WW-2(B)

INSTRUCTIONS TO SURFACE CWNERS

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 22B, Article 1 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 Director of the Division of Oil and Gas in the West Virginia Department of Energy immediately.

NOTE : YOU ARE NOT REQUIRED TO FILE ANY COMMENT AT ALL.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION :

Director, Division of Oil and Gas West Virginia Department of Energy 1615 Washington Street, East Charleston, West Virginia 25311-2192 (304) - 348 - 3500

Who may file comments? If you wish to file comments, you must be an owner of record of (1) and 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 over 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 Director'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 Director's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

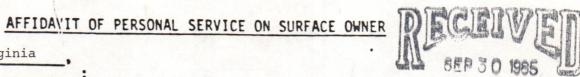
The Director for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

"(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 Director.

List of Water Testing Laboratories. The Director 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 Director's office or an Oil and Gas Inspector to obtain a copy of the list.



STATE OF West Virginia COUNTY OF Tyler	SEP 3 0 1995
Site and Drilling Pit Registration Application X The undersigned, being first duly sworn, says that the true and complete copy of all sides of (1) Notice on Form ww-2(A)x / Form ww-3(A) / (2) Application on Form ww-2(B) / Form ww-3(B) / (3) Plat showing the well location on Form ww-6, and (4) Construction and Reclamation Plan on Form ww-9 (was to plug a well) all with respect to operator's Well No. JK-1242 Centerville District, Tyler Course of the construction named	Form ww -4(A) / Form ww -4(B) /
O. W. Griffin & Edith Griffin	
on the <u>26th</u> day of <u>Septembe</u> — Tyler County, State the manner sp	of West Virginia ecified below.
[COMPLETE THE APPROPRIATE SECTION]	
For an individual: [] Handing it to him / her / or, because he take it when I offered it, by leaving it in his	_/ she / refused to/ her _/ presence.
[] Handing it to a member of his or her family above named who re of abode of the person to be served, and asking it to the person to be served as soon as possible	sides at the usual place
For a partnership: [] Handing it to partnership or, because the partner refused to to over, by leaving it in the presence of the partner	, a partner of the
For a limited partnership: [] Handing it to the general partner, named because the general partner refused to take it woover, by leaving it in the presence of the general	, or,
For a corporation:	ffice <u>r</u> / directo <u>r</u> /
Edward & (Signature of p	derson executing service)
Taken, subscribed and sworn before me this _26th day of My commission expires	
Croyne Day	us)
(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE) Nota	ry Public

IR-26 Obverse

LUDH IN VINC

INSPECTOR'S PERMIT SUMMARY FORM



9-30-85

					25	111/4 JUN 1 7 1986
	WELL	TYPE		API# 47-	195 -	1/14 JUN 1 7 1986
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	QUADR	ANGLE		em Grif	Ken	// >
	COUNT	* Tyler	WEI	L # <i>UU</i>	JK 12	42
	SURFA	¢E OWNER	COMMENT	TS	TELE	PHONE
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	DATE	STARTED				
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				Inspect	or's sign	ature
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***************************************	107-6	Production enhancement New Tight Formation	ent			
PA	107-7	Recompletion Tight F	ormation			
8					TI IALIC	TE POE 100 1000 4
The state of	DEC 1				CMLIF	FIED05/03/2024
Ph		a reco				l
DEPA	ISION OF	OIL & GAS				
	IVIEINT	OF ENERGY				

te Received

Determination Date

(NOTARIAL SEAL)

STATE OF WEST VIRGINIA

Dat	- 1	11.	16.	110
17,11	6 1	11	11	1-10

DEFARTMENT OF MINES OIL AND GAS DIVISION

Operator's
Well No. 32-134

API Well No.

47 - 095 - 1114 State County Permit

WELL CLASSIFICATION FORM HIGH COST GAS WELL - DEVONIAN SHALE NGFA Section 107

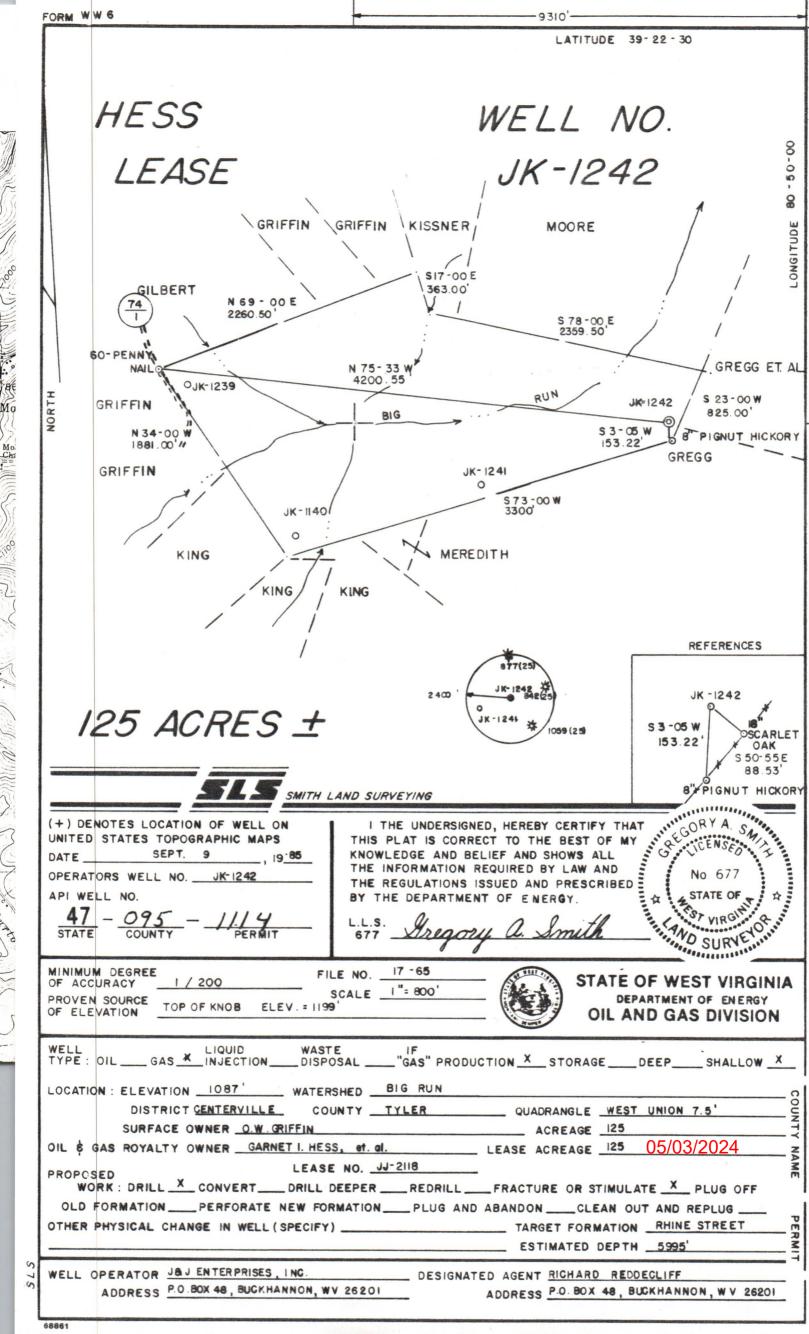
	DESIGNATED AGENT Richard Reddecliff
	ADDRESS P.O. Box 48
	Buckhannon, Węst Virginia, 26201
WELL OPERATOR J & J Enterprises, Inc.	LOCATION Elevation 1087
ADDRESS P.O. Box 697	County Tale Quad Le
Indiana, PA 15701	Gas Purchase
GAS PURCHASER Not Yet Designated	Contract No.
ADDRESS	Mcter Chart Code
	Date of Contract
* * * :	* * *
Date surface drilling began: OC-tobe	21 32 1985
Indicate the bottom hole pressure of the w	
indicate the bottom note pressure of the w	err and explain now this was calculated.
BOTTOM HOLE PRESSURE Pf=Pwe XGLS	
t=60 + (0.0075 x 5965) + 459.7=564 X=53.35 x	$\frac{1}{564} = 30113 = 0.000033$ Pf=1400 x 2.72 ^(0.000)
$(0.661)(5212)(0.9)_{=1400} \times 2.72^{0.1}_{=1400} \times 1.1$	
1540. psi	
	IDAVIT
I, James H. McElwain , having been I have calculated the percentage of footage Devonian Shale as indicated by a Gamma Ray described in subparagraph (3)(1) or (3)(ii) report described in subparagraph (3)(ii)(R) of potentially disqualifying non-shale foot percent of the gross Devonian age interval; not described in the application which is included in the application which is incl	e of the producing interval which is not index of less than 0.7 if a Gamma Ray log (A) has been filed, or as indicated by the); I have demonstrated that the percentage tage is equal to or less than five (5); and I have no knowledge of any information
STATE OF WEST VIRGINIA	
COUNTY OF Indiana , TO-WIT:	
I, Vicki L. Vanderberg , a Notary	Public in and for the state and county
aforesaid, do certify that James H. McElwa	in , whose name is signed to
the writing above, bearing date the 10 dacknowledged the same before me, in my coun	ay of Dec , 1985, has
Given under my hand and official seal this	
My term of office expires on the 23 day	

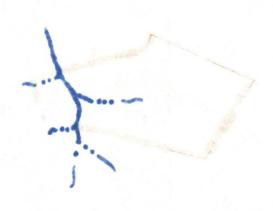
WICKI L. VANDERBERG, NOTARY PUBLIC TINDIANA BURDUGH, INDIANA COUNTY MY COMMISSION EXPIRES JAN. 23, 1988

Member, Pennsylvania Association of Notaries

05/03/2024

VICKY L. VARIDE ... GOTARY PUBLIC ... MOJANA RORCUGA... S. 15% COMPTY ... S. 15% 23, 1988 ... Comber. Pennsylvania - sociation of Notaries







DIVISION OF OIL & GAS DEPARTMENT OF ENERGY



DATE Se	ept. 24, 1985
WELL NO.	
API NO. 47	-095 -1114

State of Mest Nirginia Bepartment of ENERGY mieicis es din lid

CONSTRUCTION AND RECLAMATION PLAN

AC	P.O. Box 48 - I	Buckhanno	n tan		D 0 5		decliff	
	lephone 472-9403		2620		P.O. Box	-	khannon,	WV 2
	NER O.W. Griffin					2-9403	01.	
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		. /		J&J Enterpr			(Age	int)
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DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Riley: Perforations: 4540-41 (4 holes) 4559-60(4 holes) 4574-76(3 holes) 4585-87(8 holes) Fracturing: 315 sks. 20/40 sand: 100 gallon acid.

Benson: Perforations: 4959-60 (8 holes)

Fracturing: 400 sks. 20/40 sand: 500 gallon acid: 398 Bbls. fluid.

Alexander: Perforations: 5258-60 (8 holes)

EAD & JIO 70 I Fracturing: 300 sks. 20/40 sand: 500 gallon acid: 398 Bbls. fluid.

Devonian Shale: Perforations: 5875-83 (16 holes)

Fracturing: 300 sks. 20/40 sand: 275 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf=Pwe XGLS $t=60 + (0.0075 \times 5965) + 459.7=564 \times \overline{+53.35 \times 564} = 30113 = 0.000033 \text{ Pf} = 1400 \times 2.72^{(0.000033)}$ $(0.661)(5212)(0.9) = 1400 \times 2.72^{0.1} = 1400 \times 1.1$

1540. psi

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fre and salt water, coal, oil and g
Sandy shale & red rock	0	10	Dama 6 2601
Shale, sand & sandy shale	10	270	Damp @ 260'
Coal	270	274	Dusting 0 3251
Sandy shale & sand	274	320	Dusting @ 325'
Sandy shale & red rock	320	560	Wet @ 589'
Sand & sandy shale	560	740	wer 6 288.
Sandy shale & sand	740	1215	COMPLETE OF THE PROPERTY OF THE PARTY OF THE
Coal	1215	1219	Dusting @ 1370'
Sandy shale & sand	1219	1332	
Sandy shale & white sand	1332	1580	Gas ck @ 2040 16/10-2" w/water
Sandy shale & sand	1580	1740	169,000 cu.ft.
Sandy shale	1740	1915	THE EAST T.O. LOS GOZES, Paradoresburg
Little Lime	1915	1930	Gas ck @ 2473 24/10-2" w/water
Shale	1930	1935	207,000 cu.ft.
Big Lime	1935	1990	
Sand & sandy shale	1990	2390	Gas ck @ 2937 24/10-2" w/water
Sandy shale & sand	2390	3035	207,000 cu.ft
Sand & sandy shale	3035	3995	resolution in Post III
Sand & sandy shale	3995	4540	Gas ck @ 3468 20/10-2" w/water
Riley -	4540	4587	189,000 cu.ft.
Sand & shale	4587	4959	20155101
Benson	4959	4960	Gas ck @ 3995 18/10-2" w/water
Sand & shale	4960	5258	179,000 cu.ft.
Alexander	5258	5260	The second secon
Sand & shale	5260	5875	Gas ck @ 4613 32/10-2" w/water
Devonian Shale	5875	5883	239,000 cu.ft.
Sandy shale -	5883	5976	D MOTASTINATE INCOME.
	3003	T.D.	Gas ck @ 4978 30/10-2" w/water
		1.0.	231,000 cu.ft.
/ Cable Tools	Potnicy a	nino dinact	Gas ck @ 5292 30/10-2" w/water 231,000 cu.ft.
feet	9 3588 0	+	
being mired in the area? so	Also at	215-29-215	Gas ck @ collars 18/10-2" w/wa 179,000 cu.ft.
	e desp than	1111	
	and Marine	A 44 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ACM SELT COLO
	-	e Ladk -ea intovo	

(Attach separate sheets as necessary)

Robert Dahlin

Geologis

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

Date: 12/6/85

INSPECTOR'S PERMIT SUMMARY FORM

DEPARTMENT OF ENLIN

1986

9-30-85

WELL TYPE		API#	# 47- <u>095</u> - 1	114 JUN 1				
ELEVATION		OPERATOR	191 Enter	sieses				
DISTRICT Ce	sterville		TELEPHONE					
QUADRANGLE		FARM_	Criffien					
COUNTY Ty	lev		WELL # 00 JK 1242					
SURFACE OWN	NER	COMMENTS	TELEP	HONE				
TARGET FORM	MATION	DATE APPLICA	ATION RECEIVED					
DATE STARTE	ED	NOTIFIED	DRILLING COM	MENCED				
WATER DEPTH	HS ,		,					
		,						
,		CASING						
Ran	feet of _	''pipe on	with	fill up				
Ran	feet of _		with	fill up				
Ran	feet of _	"pipe on	with	fill up				
Ran	feet of _	"pipe on	with	fill up				
TD	feet on							
110	reet on							
		PLUGGING						
Type	2	From	То Р	ipe Removed				
Pit Dischar	rge date:	Type						
Field analy			cl_					
	d received							
1								
Date Releas	sed June 13,	1886						
	Jane of	^	A. S. Ha	05/03/2024				
	V		Al of Atto	05/03/2024				

API#	47	_

LIST ALL VISITS FOR THIS PERMIT

DATE	TIME	PURPOSE	COMMENTS
200			
	* 1/4		

Notes

1.0 APT well number: (If not available, leave conk. 11 digits.)		47	-095-1114		
2.0 Type of determination point sought (Use the codes found on the trant of this form)		Section of		N/A	.t +
3.0 Depart of the inverse name of incident 103 or 107 in 2.0 increase.	: 1 1	•	1087	teet	
4.0 himm, widness and gone number of applicant 135 tetters per time that simum. If characterizer has available, leave tilans, t	\$57.21	J & J Ente	rprises, Inc	C.	009480 Serier Case
	C.:.	Indiana		Pa. 1570 State Zip Cur	
5.0 Location of this well (Comprete tall or tail) (a) For unshore wells (35 letters maximum for finic name.)	Elect Na	Centervill Tyler	e	WV	_
(Li For CCS wells:	2-74 \.30	N/A Date of Le	ase:	Block Numb	
(c) Flame and identification number of this well (35 Inters and digits maximum)		JK-1242			_
(a) If code 4 or 5 in 2.0 above, name of the reserving (35 letters missimum)		N/A			
G.O. (a) Parme and code number of the purchaser: (35 letters and realts maximum. If code number not available, letter blank.)	Name	Purchaser :	not yet desi	gnated	Buser Core
(b) Date of the contract.			Mo. Day	Yr.	
for Estimated annual productions:				AlAlef	
		(al Base Price (S/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	fett. Torral of fal.
7.9 Contract price (A) of thing date. Complete to J. Hermital places ()		3 0 5 6	2 7 8		3.330
3.0 Months have the standard of the standard places.		3 0 5 6	278		3 3 3 0
DEC 11 1985	Number of the second	12-10-85	mecleogi.	349-6000 For a Number Q	

te Received

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Determination Date

DEC 30 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

		ON HELL CENSSII ICATION
Date: Dec 10,1925	24150	AGENCY USE ONLY
Applicant's Name: J&JENI		WELL DETERMINATION FILE NUMBER
Address: P.O. Box		
Indiana, I	PA. 15701	851211 -1030-095-1114
Gas Purchaser Contract No		Use Above File Number on all Communications Relating to This Well
Date of Contract		
(Month, da	y and year)	
First Purchaser: Purchaser	1 629 not yet designate	Designated Agent: Richard Reddeeliff
Address:		Address: P.O. Box 48
(Street or P.O. Bo	x)	Buckhannon, WVA 26201
(City) FERC Seller Code 009480 (Sta	te) (Zip Code)	FERC Buyer Code
NAME AND TITLE OF PERSON TO WI	HOM QUESTIONS CONCERN	NING THIS APPLICATION SHALL
BE AUDRES\$EU: Name: Vicki Va		
Signature: (Prim		(Title)
71701 C33.	.O. Box 697	
(5	ndiana, PA.	15701
(0	ity) (State)	(Zip Code)
Telephone: (A	412) 349-6800 rea Code) (Phone	Number)
(Certificate of Proof		
	NGPA Catagory Ap	plied For
GPA SECTION/SUBSECTION		11 12 11 12 11 12 11 11 11 11 11 11 11 1
U2 New Natural Gas		100 CAulous H-11 N 4 - 1 0
102-2 2.5 Mile Test		108 Stripper Well Natural Gas 108- Stripper Well
102-3 1000 Foot Deeper 102-4 New Onshore Rese	Test rvoir	108-1 Seasonally Affected 108-2 Enhanced Recovery
03 New Onshore Production Well		108-3 Temporary Pressure Buildup
X 103 New Onshore Product:		
07 High Cost Natural Gas		AGENCY USE ONLY
107-0 Deep (more than 1 107-1 Geopressured Brir	15,000 feet)	NOCHOT OSC ONCT
107-2 Coal Seams	ie	
107-3 Devonian Shale 107-5 Production enhance	rement	
107-6 New Tight Formati	on	
107-7 Recompletion Tigh	t Formation	QUALIFIED
		QUALIFIED _{05/03/2024}
DEC 1 1 1985		
DIVISION OF OIL & GAS DEPARTMENT OF ENERGY		

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

tare Dec	10 . 1985
Operator's Well No.	JK-1943
API Well No. 47 -	095 - 1114

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

WELL CLASSIFICATION FORM

NEW ONSHOPE PRODUCTION WELL

	COPA Sect	tion 103
		DESIGNATED AGENT James R. Willett
		Box 48 Buckhannon, W. VA. 26201
WELL OPERATOR J & J Enterp.	rises, Inc.	LOCATION: Elevation 1087
ADDRESS P. O. Box 69	7 .	Natershed Bill Run
Indiana, PA	15701	Ratershed Big Run Conterville county Tyler quad. W Close.
CAS PURCHUSER Purcahser not	yet designat	ted _{Gas} Purchase
ADDRESS	- Promise Automotion	Contract No.
		Meter Chart Code
	The state of the s	Date of Contract
4 + + + + +	te se	* * * * * * * * *
Date surface drilling was begun	n: Octo	ber 27, 1985
Indicate the bottom hole press	ure of the well	and explain how this was calculated:
Rock Pressure:	Well	was shut in several days after
NOCK TESSALE.		ment and pressure was measured
	with-	a_suring_dauge
	/:	1 1
	53.	$\frac{1}{.35 \times 564} = \frac{1}{=30113} = 0.000033$ Pf=1400 x 2.72 ^(0.000)
) x	1.1
	FFIDA	TIVIT
1. James H.	n . he	iving been first sworn according to law state that
surface drilling of the wel 1977; the well satisfies ar	this de	etermination is sought was begun on or after Pebruary 19, ederal well spacing requirements and the well is not
vichin a proration unit, i	at the t	time surface drilling began, which was applicable to the ed and which applied to any other well producing was
In commercial quantities (surface d	drilling began on or after February 19, 1977, and which untities. I state, further, that I have concluded, to
he best of my informatic	and beli	ef, that the well for which this determination is sought
is a new onshore produce application which i	th this co	not aware of any information not described in the onclusion.
		To ence ON On coll .
		James H. McClevain
		9
STATE OF WEST VIRGINIA,		
COUNTY OF Indiana . TO WI	Т:	
ı, Vicki Vand	erberg a Hot	ary Public in and for the state and county aforesaid,
e certify that J.H. McElwa	in . whose na	me is signed to the writing above, bearing date
he D day of Dec	. 1985, has	acknowledged the same before re, in my county aforesaid.
		scal this 10 day of Dec , 1985.
My xmmmmmmmm Commission	expires on the	23 day of January . 19 34.88
COMMITSSION		
Burning of Original) is h : ~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
KOTAPIAL SEALT		Kotary Public

05/03/2024

VICKI I. VANCE. NOTARY PUBLIC INDIANA COUNTY MAY COMMISSION EXC. U.S. JAM. 23, 1988. **Comber. Pennsylvania - Scristion of Motaries

(02-84) ...

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

DEC 30 196

COVER SHEET, STATE APPLICATION FO	DR WELL CLASSIFICATION 1985
Date: Dec 10,1925 24150	- AGENCY USE ONLY
Applicant's Name: J&J ENIERPRISES, INC.	WELL DETERMINATION FILE NUMBER
Address: P.O. Box 697	
Indiana, PA. 15701	85 1211 -1073-095-1114
Gas Purchaser Contract No.	Use Above File Number on all Communications Relating to This Well
Date of Contract	
(Month, day and year)	
First Purchaser: Purchaser not yet designate	Designated Agent: Richard Roddocliff
	Address: P.O. Pox 48
Address: (Street or P.O. Box)	Buckhannon, WVA 26201
(City) (State) (Zip Code) FERC Seller Code 009480	FERC Buyer Code
NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERN BE ADDRESSED:	HING THIS APPLICATION SHALL
Name: Vicki Vanderberg	
Signature: (Print). Sunduly	(Title)
Address: P.O. Box 697	
(Street or P.O. Box) Indiana, PA.	15701
	(Zip Code)
Telephone: (City) (State) (Area Code) (Phone	
(Certificate of Proof of Service to Purch	•
NGPA Catagory Ap	plied For
GPA SECTION/SUBSECTION	
U2 Hew Hatural Gas	108 Stripper Well Natural Co-
102-2 2.5 Mile Test	108 Stripper Well Natural Gas 108- Stripper Well
102-3 1000 Foot Deeper Test 102-4 New Onshore Reservoir	108-1 Seasonally Affected 108-2 Enhanced Recovery
	108-3 Temporary Pressure Buildup
New Onshore Production Well 103 New Onshore Production Well	
07 High Cost Natural Gas	AGENCY USE ONLY
107-0 Deep (more than 15,000 feet) 107-1 Geopressured Brine	PROCEED FOR ONE !
107-2 Coal Seams	
X 107-3 Devonian Shale 107-5 Production enhancement	
107-6 New Tight Formation	
107-7 Recompletion Tight Formation	QUALIFIED
	05/03/2024
DEC 1 1 1985	
DIVISION OF OIL & GAS DEPARTMENT OF ENERGY	
DEFARINCE OF ENERGY	

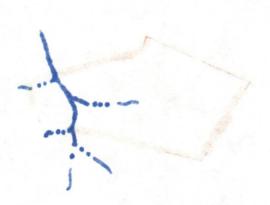
te Received

Determination Date

1.0 API well number: (If not available, have clank 11 digits.)	1		47-095-1114		
2.0 Type of determination point sought (Use the codes found on the frant of this form)	1	107 Section of		N/A	it .
3.0 Stephniol the approximation focusing (Only meeting) from the missions 103 or 107 in 2.0 univers	: 1 1	•	1087	feet	
4.0 Name, alteress and cone number of applicant 135 fathers per one maximum. If chool number not available, leave plans;	Street Con.	J & J Ente		Pa. 15701 State Ziu Cuit	_
\$.0 Location of this well. (Comprete (a) or (a).) (a) For unshore wells. (35 letters maximum for firid name.)	Sharp Na	Centervill ^{ma} Tyler	.e	W/ State	_
thi for CCS wells:	A-74 \.A1	N/A Date of Le		Block Numb	
(c) Name and identification number of this well. (35 Inters and diats maximum)		JK-1242			
(a) If code 4 or 5 in 2.0 above, name of the reservoir (25 letters millionin)		N/A			
G.O. (a) Come and code number of the purchaser: (35 letters and realts maximum. If code number not available, letter blank.)	74.prmer	Purchaser	not yet des	ignated	5 do = 1,0 m
(ti) Date of the contract.			Mo. Day	Yr.	
(c) Estimated annual productions:				Alklef	
		(a) Base Price (S/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	ten Termi of fal.
2.9 Contract price Life of filing nate. Chings are to discuss prices 1.		6.112	2 7 8		6 3.9 0
1 0 Micromore familia rate (As at filter) date (Complete 1) 3 (Institut places)		6.112	_ 2 7 8		6.390
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Opera	cor:	J &	J Ente	erprises,	Inc.		Agent:	Ric	chard Re	ddecli	ff	
Type	Deter	mina	tion b	eing sou	ight -	- 107	(Devon	ian	Shale)			
API W	ell N	lo.: _	47-095	5-1114		-	Well Na	ame:	Griff	in (JK	-1242)	
West N Refer	Virgi ences	nia (office VA Fil	e of Oil e No.	and (Gas	County	: _	Tyler			
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II.	Gamm	a Ray	elev	ation in	dices	:						
		Α.	Sha	le Base	Line	(API	Units)					
			1.	GR Valu Remarks	e at	Base 1	Line =	165	* /	API Un	its	
		В.	Gam	ma Ray Lo	og Va	lue at	0.7 x	. Val	lue at	Base :	Line	
			1.	GR Value Calculat	e = _j tion:	0.7	API Un (GR Va (_165	lue	at Bas = <u>115.</u>	e Line	e) Units	
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WEG. 7.5 MINUTE SERIES (10-. THE INTERIOR SW/4 WEST UNION 15' QUADRANGLE JEULOGICAL SURVEY 80°52'30" 511000mE CENTERVIL JOSEPHS 1 610 000 FEET 18 (1100-Straight BM 938 VBM 951 Gas Well Mountain Mole Hall Chapel 1100 Dr. H. St. Gas Wello Run Haymond 100 Beard Marsh 10000 05/03/2024 Ran





DEC - 9 1985 DIVIS.ON OF OIL & GAS

DEPT. OF ENERGY

State of Mest Wirginia

Bepartment of Mines Bil und Gas Bivision

Date	December 6, 1985
Operat	
Farm	Garnett Hess
ONGS	0. 47 - 095 - 1114

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: E	levation: 1087 Watershed I	Big Run			
D:	istrict: Centerville County Tyle	er 22.	Quadrangle	West Unio	on 7.5
	10 2507				sis/ v
ANDANY IS	J Enterprises, Inc.	in one series			
	Box 48, Buckhannon, WV 26201	Casing	Used in	Left	Cement fill up
	AGENT Richard Reddecliff	Tubing	Drilling	in Well	Cu. ft.
	O. Box 48, Buckhannon, WV 26201	Size			
and and in the	R O.W. Griffin	20-16		ee office	of the vi
	Box 3025, Parkersburg, WV 26101	13-10"	14.60	0	0 sks.
	HTS OWNER Garnett Hess, Hrs.	9 5/8			ogiji el
ADDRESS		8 5/8	1264.90	1264.90	270 sks.
-	INSPECTOR FOR THIS WORK Robert	7	1204.90	1204.50	1 VIBE- 2
	General Delivery ADDRESS Middlebourne, WV 26149	5 1/2	1	s.Inite	gbane as
THE RESERVE OF THE PERSON OF T	ED 9/30/85		5964.65	5964.65	400 sks
	MMENCED 10/27/85	4 1/2	3904.03	3304.03	
	MPLETED 11/2/85	2			ala h
CONTINUOUS	PLUGGING OF DRY HOLE ON PROGRESSION FROM DRILLING OR VERBAL PERMISSION OBTAINED	Liners			SISHE Y
GEOLOGICAL	TARGET FORMATION Rhine Street			pth	fe
Depth		Rotary x			
When	etrata depth: Fresh260,325,580 eet;	Salt_ C	fee		_
Coal	seam depths: 270-74, 1215-19	_ Is coal	l being mi	ned in tr	ne area:_
OPEN FLOW	DATA				
	cing formation Devonian Shale	P	ay zone de	pth 58	75-83 f
OPEN FILM			nitial ope	n flow_	Bb
Produ	Initial open flow Mcf/d	011: 1	-1		-1
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Produ Gas: Combined	Initial open flow Mcf/d Final open flow 1,409 Mcf/d Time of open flow between in ic rock pressure 1400 psig(surf	F itial and ace measur	inal open final test ement) af	flows4 ter96_h	hours ours shu
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FORM IV-35 (REVERSE)

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

Riley: Perforations: 4540-41 (4 holes) 4559-60(4 holes) 4574-76(3 holes) 4585-87(8 holes) Fracturing: 315 sks. 20/40 sand: 100 gallon acid.

Benson: Perforations: 4959-60 (8 holes)

Fracturing: 400 sks. 20/40 sand: 500 gallon acid: 398 Bbls. fluid.

Alexander: Perforations: 5258-60 (8 holes)

Fracturing: 300 sks. 20/40 sand: 500 gallon acid: 398 Bbls. fluid.

Devonian Shale: Perforations: 5875-83 (16 holes)

Fracturing: 300 sks. 20/40 sand: 275 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf=Pwe XGLS $t=60 + (0.0075 \times 5965) + 459.7=564 \times \overline{+53.35 \times 564} = 30113 = 0.000033 \text{ Pf} = 1400 \times 2.72^{(0.000083)}$ $(0.661)(5212)(0.9) = 1400 \times 2.72^{0.1} = 1400 \times 1.1$

1540. psi

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all freshand salt water, coal, oil and gas
Sandy shale & red rock	0	10	
Shale, sand & sandy shale	10	270	Damp @ 260'
Coal	270	274	
Sandy shale & sand	274	320	Dusting @ 325'
Sandy shale & red rock	320	560	
Sand & sandy shale	560	740	Wet @ 589'
Sandy shale & sand	740	1215	fortiber the old the rest
Coal	1215	1219	Dusting @ 1370'
Sandy shale & sand	1219	1332	
Sandy shale & white sand	1332	1580	Gas ck @ 2040 16/10-2" w/water
Sandy shale & sand	1580	1740	169,000 cu.ft.
Sandy shale	1740	1915	
Little Lime	1915	1930	Gas ck @ 2473 24/10-2" w/water
Shale	1930	1935	207,000 cu.ft.
Big Lime	1935	1990	
Sand & sandy shale	1990	2390	Gas ck @ 2937 24/10-2" w/water
Sandy shale & sand	2390	3035	207,000 cu.ft
Sand & sandy shale	3035	3995	MAN LATER AND
Sand & sandy shale	3995	4540	Gas ck @ 3468 20/10-2" w/water
Riley -	4540	4540	189,000 cu.ft.
Sand & shale	4587	4959	
Benson	4959	4959	Gas ck @ 3995 18/10-2" w/water
Sand & shale	4960	5258	179,000 cu.ft.
Alexander	5258	5260	
Sand & shale	5260	5875	Gas ck @ 4613 32/10-2" w/water
Devonian Shale	5875	5883	239,000 cu.ft.
Sandy shale -	5883	5976	
	3003	5976 T.D.	Gas ck @ 4978 30/10-2" w/water
		т.Б.	231,000 cu.ft.
VI side		14.1 VQ2	Gas ck @ 5292 30/10-2" w/water 231,000 cu.ft.
and the same of the contract o			Gas ck @ collars 18/10-2" w/wate 179,000 cu.ft.

(Attach separate sheets as necessary)

Well Operator

05/03/2024

Date: 12/6/85

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 in 11!, encountered in the drilling of a well.

WW-9



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY



DATE Sept. 24, 1985

WELL NO. JK-1242

API NO. 47 - 0945 - 1/1/1

State of Mest Birginia API NO. 47 -095

Bepartment of ENERGY

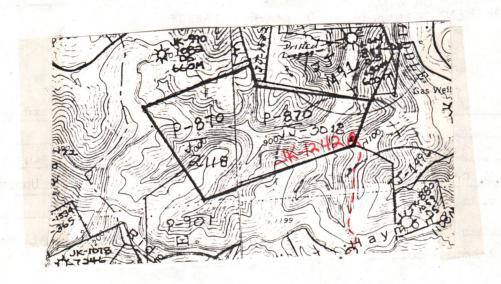
Gil und Gas Bivision

CONSTRUCTION AND RECLAMATION PLAN

Telephone 472-9403 26201 Telephone 472-9403 NECKNER 0.W. Griffin SOIL CNN. DISTRICT Upper Ohio Revegetation to be carried out by J&J Enterprises, Inc. (Agent) This plan has been reviewed by D&J Enterprises, Inc. (Agent) This plan has been reviewed by D&J Enterprises, Inc. (Agent) This plan has been reviewed by D&J Enterprises, Inc. (Agent) NATESS ROAD LOCATION ACCESS ROAD LOCATION Accessed Ref. Manual 2-12 Page Ref. Manual 2-12 Trocture Cross Drains (B) Structure Sediment Barrier (2) Accessed Ref. Manual 2-1 Page Ref. Manual 2-16 Trocture Road Culverts (C) Structure (3) Accessed Ref. Manual 2-7 Page Ref. Manual Accessed Ref. Manual 2-7 Accessed Ref. Manual 2-7 Page Ref. Manual Accessed Ref. Manual 2-7 Accessed Ref. Manual 2-7 Page Ref. Manual Accessed Ref. Manual 2-7 ACCESS ROAD LOCATION Accessed Ref. Manual 2-16 Structure (3) Accessed Ref. Manual 2-16 Structure (4) Accessed Ref. Manual 2-16 Structure (4) Accessed Ref	Telephone 472-9403 26201 Telephone 472-9403 ANDOWNER O.W. Griffin SOIL CNN, DISTRICT Upper Ohio Revegetation to be carried out by J&J Enterprises, Inc. (Agent) This plan has been reviewed by J&J Enterprises, Inc. (Agent) This plan has been reviewed by J&J Enterprises, Inc. (Agent) This plan has been reviewed by J&J Enterprises, Inc. (Agent) ACTESS RAND J&J Enterprises, Inc. (Agent) ACTES RAND J&J Enterprises, Inc. (Agent) ACTESS RAND J&J Enterprises, Inc. (Agent) ACTESS RAND J&J Enterprises, Inc. (Agent) ACTES RAND J&J Enterprises, Inc. (Agent) ACTESS RAND J&J Enterprises, Inc. (Agent) ACTESS RAND J&J Enterprises, Inc. (Agent) ACTES RAND J&J Enterprises, Inc. (Agent) ACTESS RAND J&J Enterprises, Inc. (Agent) ACTES ACTES ACTES ACTES ACTES ACTES AND ACTES ACTES ACTES ACTES ACTES ACTES AND ACTES ACTES AC	Address P.O. Box 48 - Buckh	annon LTI	Addman	-		ddecliff	
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ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAGHIC MAP. QUADRANGLE West Union 7.5'

WELL SITE ACCESS ROAD —



WELL SITE PLAN

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

PID Control of the property of

Drilling pit may vary in location other than that shown on this plan and/or other pits may be added due to soil type, newly discovered water systems, and the encounter of rock when building location.

Access road subject to change between company and land owner, or aquirement of right-of-way. If change is made, a revised reclamation plan will be submitted. All cuts 2:1 slope. All topsoil to be stockpiled and used in reclamation. All grades for roads and locations as well as sediment structures shown on drawing.

	LEGEND	
DRAIN PIPE — O — O — O — O — O — DIVERSION		
STREAM OPEN DITCH	BUILDING WET SPOT -> SPRING O->	SMITH LAND SURVEYING CO. III SOUTH ST. GLENVILLE, WV. 26351