1) Date: February 4 , 19 83

2) Operator's Mon-Power 4 Well No.

47 073 1594
State County Permit

DRILLING CONTRACTOR:

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

Union	n Drilli	ing,	Inc.
P.O.	Drawer	40	

Buckhannon, WV 26201 OIL AND GAS WELL PERMIT APPLICATION

	B (If	'Gas'', Produ	iction		Underground stor	age	✓ Deep		
5) LOCATION					Watershed: MC			: 11ou To	lond 7
6) WELL OPE					County: Ple		Quadrangle:W:	AND THE RESIDENCE OF THE PARTY	Tand 1.
Address		P.O. Bo		Con	A Di boloignio		P.O. Box		•
Address				7 26	i leas then nee	Address _	PROVED TO THE RESIDENCE OF THE PROPERTY OF THE PARTY OF T	THE RESERVE OF THE PROPERTY OF	26330
7) OH & CAS		Briagei	ort, W	V 20:	330	-	Bridgepor	ru, WV	20330
7) OIL & GAS	OWNER I	Mononga	hela Po	ower (Co. et, al12)	COAL OPERAT	None		
Address	OWNER	d zpemana	exstup, or	धार हुआए	squios a golinio	Address _	a So. nasadian og	Herore as	a s
ridatess					6011	Address	and the Necket	A registered	
Acreage					13)	COAL OWNER	S) WITH DECLAR	ATION ON RE	ECOPD:
	OWNER]	Mononga	hela Po	ower (Co.	Name None		ATION ON KI	CORD.
Address					a is filled, a	Address	AN TAILMO BORTEL	E mosary	Ø.
radicos						Address		isaguaO i	ng.
Acreage	-			the same		Name		A THE STAN LAW	
9) FIELD SAL	F (IF MAD	E) TO:				Address	DE STATES OF STATES	2772 196	11
Address	L (II MAD	posse non	hip associat		differentiag in	Address _	erator" means	O Legon	12
Address					14)	COAL LESSEE	WITH DECLARAT	TON ON BECO	OPD.
10) OIL & GAS	INSPECTO	OR TO BE N	OTIFIED					ION ON RECC	JKD:
		Lowthe				Name Non	re		
Address	\$19 A.SHO MIRES NO. 12 S. S. S. S.	ral Del	CONTRACTOR AND	d ron its	e Form IV-Z sn	Address _	Coxill be attemp	and seto W (<u> </u>
Address	Charles and the state of the st	STATE OF STREET AND DESIGNATION	ne. WV	267/10	art of the work	gad or al some	dining or sump	ert stanw	
15) PROPOSEI			/ Drill			chion therewith	eliago ya halfi s	Formaly	
13) PROPOSEL	WORK.		d formation_	Control of the second			ure or stimulate	reminister 1	
						rormation		susting and and	
10 CEOLOGIC	TAL TARCE		cal change in				TIOLOTIC	algare March	71-3-2
16) GEOLOGIC	AL TARGE	FORMAT	ion, De	voniai	Shale	Maria Bros. auto	derbank towards	of Stool 7	2
17) Estimat	ed depth of	completed we	11, 970	701	feet	Mana	despest freshwa		
			Fresh,			t, None	feet.	HOLLIE Y DIG	
19) Approx	imate coal se	eam depths: _	No	one	Is coal b	eing mined in the a	rea? Yes	/ No	01-
20) CASING A	ND TUBING	G PROGRAM	1.00 & A B C			alaremen basis	COSTING DEPOSITED	Sanana (
CASING OR	II	CDECT	FIGATIONS	II		And the second second second second	THE RESERVE THE PARTY OF THE PARTY.		
CASING OR TUBING TYPE		SPECI	FICATIONS Weight	1	FOOTAGE I		OR SACKS	PACKE	RS
san <u>i Masilqae</u>	Size	Grade G	per ft. New	Used		Left in well	(Cubic feet)	7 Code 21 a	10 - 21
Conductor	111 3	14		X	90	All	CT5	Kinds	
Fresh water	of it said the	orsiw ym	ueo bra to	Helb att	gaibulan bas	to rap it set to	eto urbasob foru	d A(T)	
Coal	d samen	e dal agre	ening conits	qiacos is	of leaves or other	of success (far)	oldentification of	Sizes	
Intermediate	8 5/	8 J-55	X	l che ni	950'	All	CTS	61-	
Production	43	J-55	W VO X	too to les	5125	number where	550	Depths set	
Tubing						. bebrozer a e	sino fierani tash	DE POT	
Liners		.108110	least or co	Consultation	r dylaions of ea	wisyon advice	moitorapsab rem	Perforations:	
							The second second	Тор	Bottom
						.(a).	TE SEMINAL LISTER N	an annin	7.7
V-2 must be fil	of Formal	191000 MD	Than baig	no entitle	hes provides to	M to member	on 7.02 of the Da	Regulation (23
21) EXTRACTION	ON RIGHT	Suduana	esoribed by	циппос	minister a (i) a plat in the	d peinsamopes	he Department.	a dalw be	
Check and p	rovide one				or in tien thereo				
Includ	led is the lea	ase or leases of	or other contin	uing conti	act or contracts by	which I hold the r	right to extract oil or		
The re	equirement of	of Code 22-4-	1-(c) (1) throu	igh (4). (S	ee reverse side for	specifics.)	na bisa wiarowa		
22) ROYALTY				r no flow		mura en tarros			
Is the right to	extract, pro	oduce or mark	cet the oil or g	as based up	oon a lease or other	continuing contract	or contracts providi	ing for flat well	royalty or any
				f the oil or	gas in place which	is not inherently	related to the volun	ne of oil or gas	so extracted,
produced or		STATES OF STREET, STRE	o 🗶	hour ad	te 622-4-1 most	o's what is a	becalenger over to		
23) Required Co			nal is needed.	If the ans	wer is Yes, you ma	y use Affidavit Fo	rm IV-60.	the events	
			the enclosed	plat and r	eclamation plan has	ve been mailed by	registered mail or de	livered by hand	to the above
named coal	operator, co	al owner(s), a	and coal lessee	on or bef	ore the day of the	nailing or delivery	of this Permit Appl	ication to the D	Department of
Mines at Ch						_			
Notary:	elrui	W.	maar	e	soo inoo alla vid.	Signed: (ar	01= 2	alli	
) RESOLUCE	2	10092	1003	ter (22.4-28.1)	olginea:	16NATED	0 -	
My Commission	on Expires	Junia	43,1	770	-30	Its: DES	16NATED	HUEN	T
-	- /		0	OI	FICE USE ON	TV	The second second second	E 11 ST E115	
					RILLING PERM				Company of the second
The second	47-07	3-1594		Dr	ILLING FERN		ebruary 7		1983
Permit number _	Magnatha a	S CHILLIAN A	MI TAN			*C/2005	Dat	9	7700
This permit cover	ing the well	operator and	well location	shown be	low is evidence of	permission granted	to drill in accordan		tinent legal re-
quirements subject	t to the con	ditions conta	ined herein an	nd on the r	everse hereof. Notif	ication must be gi	ven to the District O	oil and Gas Insp	ector.
							, the well operator or	his contractor s	hall notify the
proper district oil				ual permitt	ed work has comm	enced.)	andde ue unin	1	TOTETSEO
Permit expires	Ucto	ber 7, 1	983		unless drilli	ng is commenced p	rior to that date and	prosecuted with	due diligence.
Bond:	Agen	t: Pla	The state of the s	Casing	V. Fee	-	11/1	1	

E8 01	Line Item Explanation
	ton-Power 4
All represents	Date of Application
2)	Your well name and number To be filled out by office of oil & gas .onI .onI .onin
3) 4A)	"Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
.7 basia	"Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
26330	"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost membe of the "Onondaga Group" or at a depth less then six thousand feet, whatever is shallower.
5)	Where well is located *Is. 30.00 Towo? sledegacono! Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be
_ (6)	registered with the Secretary of State Office
9 (7 ORO 7) R	Monographela Power Co
8)	Present surface owner at time application is flied.
9)	Optional
11)	See Reg. 7.01 relating to code §22-4-1k
12)	"Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
13 & 14)	As per §22-4-20; See Note 24
15)	Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
16)	Anticipated formation for which well will be completed
17)	Self explanatory
18)	Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
19)	All coal seam depths
20)	Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
21)	Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for permit described herein may file the following: (1) A brief description of the tract of land including the district and county wherein the tract is located; (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed; (3) The book and page number wherein each such lease or contract by which the right to extract, produce of market the oil or gas is recorded; (4) A brief description of the royalty provisions of each such lease or contract.
22)	Code 22-4-11(d) and 22-4-11(e).
23)	Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be fit ed with the Department, 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 §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well
24)	The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they witto make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (I days after the receipt of this Application by the Department.
4.	The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.
	WAIVER WAIVER
amined this added to the	resigned coal operator/ owner/lessee/of the coal under this well location has exproposed well location. If a mine map exists which covers the area of the well location, the well location has been mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the west complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date:

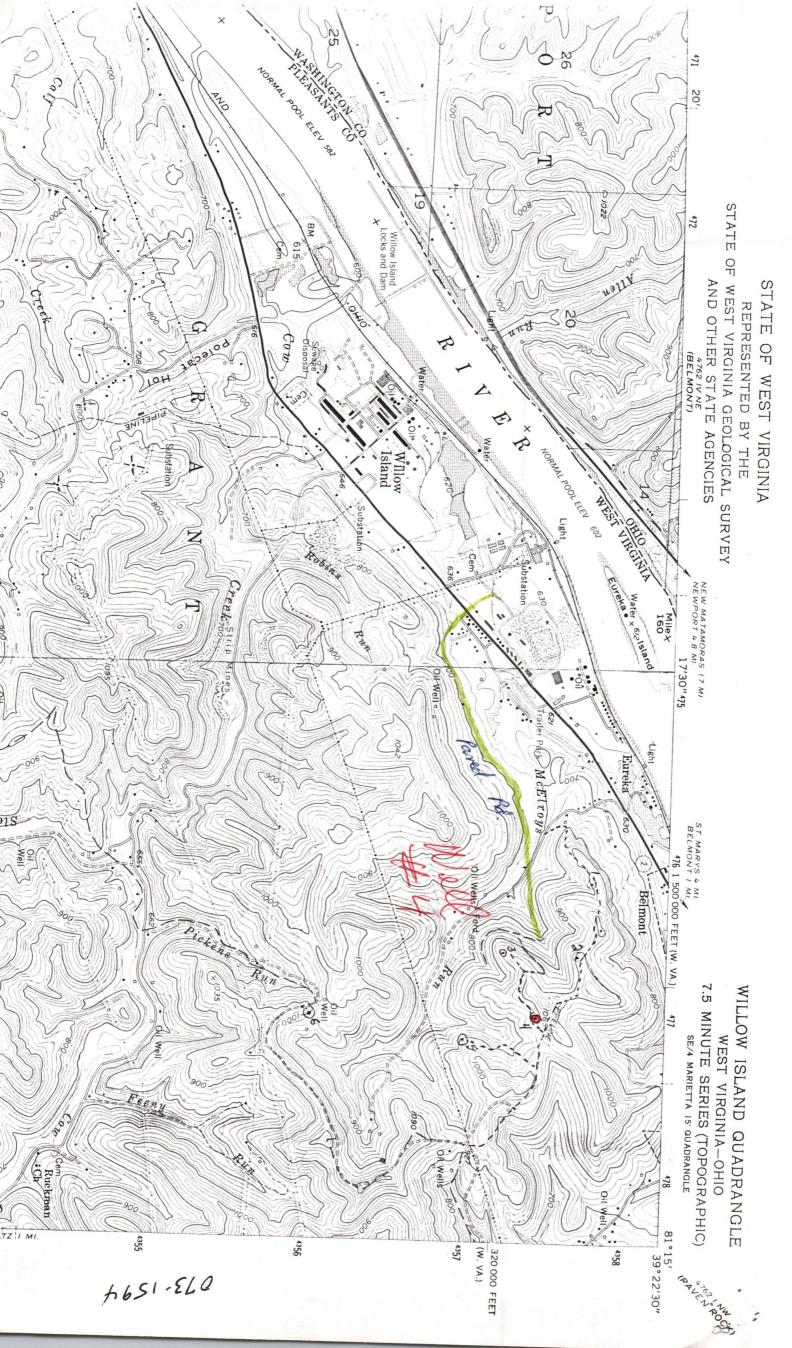
Its ____

By

13, 1982 DATE JULY ev 8-81) WELL NO. MON-POWER NO. State of Mest Nirginia Beparlment of Mines Bil und Cas Bivision CONSTRUCTION AND RECLAMATION PLAN DESIGNATED AGENT Carl IPANY NAME Jenkins Energy Corp. Address p BOX 980, BRIDGEPORT, W.V. 26330 Address BOX 980, BRIDGEPORT, W. 622-3837 Telephone DOWNER MONONGAHELA POWER CO. SOIL CONS. DISTRICT UPPER OHIO Revegetation to be carried out by Jenkins Energy Corp: This plan has been reviewed by All corrections additions become a part of this plan: (SCD Agent) ACCESS ROAD LOCATION the production of the contract of the production and the production of the productio Structure DIVERSION DITCH DRAINAGE DITCH (A) ucture Material EARTHEN Page Ref. Manual eture CRÓSS Material Page Ref. Manual Ref. Manual All structures should be inspected regularly and repaired if necessary. All omnercial timber is to be out and stacked and all brush and small timber to be ut and removed from the site before dirt work begins.

R State of the R	EVECTATIO	ON			
Treatment Area I & II			TXXXXXXX	XXXXXX	
Tons/acr	e			TOTAL PROPERTY OF THE PARTY OF	Tons/acre
correct to pH 6.5		or a	prrect to pH_		-
lizer 600 _ lbs/acre		Fertilia	(10-20-20		
(10-20-20 or equivalent)	1	2.			
HAY 2 Tons/acr	е	Mulch .			Tons/acre
KY-31 35 lbs/acre		Seed*			lbs/acre
LADINO CLOVER 5 lbs/acre					•
lbs/acre	•				lbs/acre
noculate all legumes such as vetch late with 3X recommended amount.		and clove	smith the p		
25: Please request landowners! cooperation to protect new cedling for one growing season. ttach separate sheets as	• •	ADDRESS	111 SOUTH GLENVILLE	W.V. 263	51
ecessary for comments.	Ph	HONE NO.	462-563	34	

REV 8-81) TTACH OR PHOTOCOPY SECTION OF LEGEND WOLVED TOPOGRAPHIC MAP. PADRANGIE WILLOW ISLAND 7.5' Well Site (Access Road HALL TO EXPENSE YOUR WOLLD'S TO WELL SITE PLAN etch to include well location, existing access road, roads to be constructed, wellsite, illing pits and necessary structures numbered or lettered to correspond with the first ct of this plan. Include all natural drainage. LEGEND minnin Property boundary Diversion Spring O> Road = = = = = Existing fence -x Wet spot Planned fence --/-Building ... Stream \... Drain pipe Oxenes & Relies Connete Waterway $\bigcirc \Rightarrow \Rightarrow \Rightarrow \Rightarrow$ n ditch -LOCATION above edg Existing, Stone Base Rd. PROBOSED RO. IN RED NOTE: ALL, EXISTING STRUCTURES & ROADS WILL BE MAINTAINED. TRASH Raised section of Rd. up hill Dump NO DITCHES Either side



Item "21

The lands to which this application applies are a part of a 1270.047 acre oil and gas lease, located in Pleasants Co. WV. The lands are a part of the Pleasants Power Station operated by Monongahela Power Company. The property is located in Grant District and lies southeast of State Route 2 on the waters of McElroy Run.

The lands to be developed are a part of that certain oil and gas lease by and between Monongahela Power Company, an Ohio corporation, The Potomac Edison Company, a Maryland and Virginia corporation, and West Penn Power Company, a Pennsylvania corporation, aslessors and Gene Stalnaker, Inc. as lessee, recorded in Book 176, Page 88 in the County Clerks Office, Pleasants Co. Wv. Said lease being further assigned to Colburn Energy Corporation, a Delaware corporation which assignment of oil and gas lease is recorded in Book 178, Pages 526 to 552 in the County Clerks Office of Pleasants Co., Wv.

JENKINS ENERGY CORPORATION rights to the leasehold estate are derived from a Drilling and Operating Agreement dated December 21, 1982. This agreement designates Jenkins Energy Corporation as operator of the property for and in behalf of Colburn Energy Corporation. This contract is not of record. Lessors retain 15.25% of the market value of all oil and gas produced as a royalty.

ITEM #21 EXTRACTION RIGHTS

CODE 22-4-11 (C)

Attachment to Form IV-2. (6/82)
Oil and Gas Well Permit Application



NOWSCO

WELL SERVICE

TREATMENT REPORT
CEMENTING

DATE: 2-19-83

SERVICE ORDER NO.: _

043101	mer's Name Jav	KINS	ENER	14 G	ep.	Well	Name M	00-	Power	4	Perm	nit No. 13	
Addres	ss P.O. I	Box 9	80			Loca	tion: Twp			ounty 🔼	CASHELS		
	BRIL	gepoi	et, b	v-Va e	2330	6 Cont	ractor Stat	NAK	op = 5	Field	_Be.	inont.	
TYPE	OF JOB Surface		Interr	mediate 🗆		Productio	_		ner 🗆			ndonment	
	Multistage		Plug	Back		Squeeze [PL	imping		Othe	r	
Hole: Size	// INCH Total	al Depth _	115	<u>L</u> FT.		e		ity		CP D	ensity		_ LBS./GA
Casing	or Liner: Size 8	1/8			20		766		1171	- 1	Type of I	Olugar	
											Type of I	8 /	8
	Size						D					oden 🗾	
	Size	IN.	Lin. Der	nsity	LBS.	./FT. Grade .	D	epth.		FT.	Btm. Size	e	IN
Drill Pi	pe or Tubing:										Wo	oden	Rubber
	Size			* 1 5 to 1			D				Type of I		
	Size	IN.	Lin. Der	nsity	LBS.	./FT. Grade .	D	epth.		_ FT.		ug Loading	
	Size	IN.	Lin. Der	nsity	LBS.	./FT. Grade .	D	epth.		_ FT.	Sv	vage	Other
Perfora	ations: From	FT. To _		FT.	Pump O	ut Lines: [Yes 🖀	No	□ Cem	ent 🗆	Mud	□ Other	
	From	FT. To _		FT.	Float Ho	olding:	Yes 🗆	No		Returns:	≣ Full	□Partial	□N
	From	FT. To _		FT.	Type of I	Packer or S	Special Tool		N/A		Depth	NA	F
Time a	rrived on location												
Time at	Trived on location							11	, , , ,		27.		
	Amount	Ce	ment			MENT DA	Densit	у	Yie	ld	To	tal Slurry Yield	d
Fill	195		end	201 1 - 1	2% C		LBS./G/	AL.	1.26		243	CU. FT.	
Tail-In	100		P. G	TO CAC	L2	HCLZ	15.6		1.18		118		
Fill Tail-In					-								
Tall-III													
	,		CONTRACTOR AND ADDRESS.	NER DAT						T	BACK DA		
	Remarks		Finish	Rate bbls./min.	Pres Max.	ssure, Psi Min.	Volume pumped bbls.	Plug #	Top Ft.	Btm. Ft.	Cement Cu. Ft.	Displacement bbls.	Time Plug Down
On I	LOCATION	11.30									1+16	A LAN	ong
Regg	ing op								Disal	ce me	A Ca	CULATEL	1
Uny	P Ho Ahero	13:24	12:33	4								CUIDILLE	
					100	100	45		to in	sept.	FLOAT L	blue A	1
FM 1 1									to 12	sept.	FLOAT L	blue a	1+
MIX	6% 6eL		12:38		100	100	25		to in	Sept,	Float L	blue h	1
,		12:33		5					to in	Sept,	Float L	blue h	1
Hyl	16% bet OSPNER	12:33	12:38 12:39	5	100	150	25 5		to in	Sept,	Float L	blue h	1
Hyl	6% 6eL	12:33	12:38	5	100	100			to in	Sept,	FLOAT V	loive i	1
MIX	16% bet OSPNER	12:33	12:38 12:39	5	100	150	25 5		to in	sept ,	FER O	blue h	
HJA MIX Refe	16% bet OSPNER CEMENT LASE Plug	12:33 12:38 12:39 12:55	12:38 12:39 12:55 12:57	5	100 150 200	150 150	25 5 71		to in	sept ,	FER O	blue h	
Hyd MIX Refe Org	SPNER CEMENT ASE Plug.	12:33 12:38 12:39 12:55 13:57	12:38 12:39 12:55 12:55 12:57	5	100 150 200 —	150	25 5		to in	sept ,	FER O	blue h	
Hyd MIX Refe Org	SPNER CEMENT ASE Plug.	12:33 12:38 12:39 12:55	12:38 12:39 12:55 12:55 12:57	5	100 150 200	150 150	25 5 71		to in	sept ,	FER O	blue h	
Hyd MIX Reje Dirg Bung	Cement Ase Plug. Place Plug.	12:33 12:38 12:39 12:55 13:57	12:38 12:39 12:55 12:55 12:57	5	100 150 200 —	150 150 	25 5 71		to in	sept ,	FER O	loive i	
MIX MIX Reje Disp Bung Shu	SPACE SPACE CEMENT LASE Plug. Place Plug.	12:33 12:38 12:39 12:55 13:57 1:14	12:38 12:39 12:55 12:55 12:57	5	100 150 200 —	150 150 	25 5 71		to in	sept ,	FER O	blue h	
MIX MIX Reje Disp Bung Shu	Cement Ase Plug. Place Plug.	12:33 12:38 12:39 12:55 13:57	12:38 12:39 12:55 12:55 12:57	5	100 150 200 —	150 150 	25 5 71		to in	sept ,	FER O	blue h	
MIX MIX Reje Disp Bung Shu	SPACE SPACE CEMENT LASE Plug. Place Plug.	12:33 12:38 12:39 12:55 13:57 1:14	12:38 12:39 12:55 12:55 12:57	5	100 150 200 —	150 150 	25 5 71		to in	sept ,	FER O	blue h	





.ei, Onio 44891 216-264-8885

INVOICE NO.

SERVICE ORDER

DAY YEAR MONTH DATE 1983 **CUSTOMER'S NAME** CUSTOMER'S ORDER NO. MAILING ADDRESS CONTRACTOR STALNAMOR W.Va 26330 I HAVE READ, UNDERSTOOD AND AGREED TO THE TERMS AND CONDITIONS OF THE REVERSE SIDE HEREOF AND REPRESENT THAT I HAVE FULL AUTHORITY TO ACCEPT SAME AND SIGN THIS ORDER. TYPE OF JOB/TREATMENT. PERMIT NO. RECEIPT OF MATERIALS & SERVICES ON THIS ORDER ARE HEREBY ACKNOWLEDGED. FIELD COUNTY SERVICE INSTRUCTIONS: Conex AUTHORIZED AGENT

						NOWSCO REPRESENTATIVE					
PRICE LIST REFERENCE	MATERIAL & EQUIPMENT USED	QUANTITY		UNIT PRICE	AMOUNT	CI	JSTOMER C	COMMENTS			
117-645	Normal Cement	100	SACK								
The second secon	Thixotropic		SACK								
The second secon	NOWSCO POZMIX (50-50)	195	SACK								
Control of the Contro	Nowpoz		LBS.								
CONTRACTOR OF THE PARTY OF THE	Bentonite		LBS.								
CONTRACTOR OF THE PARTY OF THE	Calcium Chloride 10.35/CS	816	LBS.								
	T-10		LBS.								
	D-19, D-20		LBS.								
The second secon	R-5, R-55		LBS.								
AND DESCRIPTION OF THE PARTY OF	SAPP		LBS.								
	Cellophane		LBS.			UNIT NO.	EMP. NO.	OPERATOR			
CHARLEST AND ADDRESS OF THE PARTY OF THE PAR	Gilsonite		LBS.			1023		C. ROUPE			
CONTRACTOR OF THE PARTY OF THE	NaCl		LBS.			4001		J. Hutba			
	Rubber Plugs/Wooden Plugs 83/8	1				4501		B. Morgan			
17-689	Benjonite not Blenses	500	165								
						1000					
						10/20	200				
701-602	Cement Service to	1121	FT.			REC	To Take				
Committee of the Commit	Additional Footage Ft. Basic	1104				En	1	1000			
	Multi Stage Cementing					1680	~	(3/0)			
THE RESIDENCE OF THE PARTY OF T	Standby Cement Unit					9/1 4	5 1983	The state of the s			
CONTACT CONTRACTOR (CONTRACTOR AND A PROPERTY OF	Extra Trucks Used to FT.					OEPO G	40				
	Waiting Time		hrs.			OIL AND C	EN, ONIS	0.			
PRODUCTION OF THE PROPERTY OF	Pump Time		hrs.				MIN	ES			
CANCEL CONTRACTOR AND ADDRESS OF THE PARTY O	Blending Charge	305.3	SACK								
	Hauling Ton Bulk Materials / Miles	123	T.M.			OTH MOT	40000000				
THE PERSONAL PROPERTY AND PERSONAL PROPERTY	Cement Cartage on sacked cement	100	T.IVI.			_ SIN. MGF	R. APPROVA	L			
	Distance on Cement Unit	10									
	DISTRICT OF CHILDREN CHOTOMERIC CORV.	70				TOTAL AN	i .				





OIL & GAS DIVISION

OIL & GAS DIVISION

DEPT. OF MINES THE of Mest Hirginia

Date March 28, 1983
Operator's
Well No. Four (4)
Farm Monongahela Power
API No. 47 - 073 - 1594

(Continue on reverse side)

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

	McElroy Ru	n of Ohio I	River	and they
District: Grant County Pleas	sants	Quadrangle	e Willow	Island 7.5
COMPANY Jenkins Energy Corp.				
ADDRESS P.O. Box 980, Bridgeport, W.va.	Casing	Used in	Left	Cement
DESIGNATED AGENT Carlton Davis	Tubing	Drilling	in Well	fill up Cu. ft.
ADDRESS P.O. Box 980, Bridgeport W.va				
SURFACE OWNER Monongahela Power Co.	20-16		ermi	
ADDRESS St. Marys, W.va.	11 ³ /4	90	90	to surface
MINERAL RIGHTS OWNER Monongahela Power Co.		30	90	to surface
ADDRESS St. Marys, W.va.	9 5/8	1111	1111	to guntage
OIL AND GAS INSPECTOR FOR THIS WORK Robert	8 5/8	1111	7777	to surface
Lowther ADDRESS Middlebourne, W.va.	7			
PERMIT ISSUED February 11, 1983	5 1/2		4761	F00 1
DRILLING COMMENCED February 15, 1983	4 1/2		4761	500 sacks
DRILLING COMPLETED February 24, 1983	3	-		
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2	-		
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners		7	
REWORKING. VERBAL PERMISSION OBTAINED ON	used			
77 - 17 - 61 - 1 -	S		. 4010	_
GEOLOGICAL TARGET FORMATION Hamilton Shale			h 4910	feet
	Rotary >	-	e Tools_	Byg or come superage and an electronic statement
Water strata depth: Fresh 60 feet;	Salt 105	feet		
Coal coam donthe.	_ Is coal	being mine	ed in the	area?
Coal seam depths:				
coar seam depuis:				
OPEN FLOW DATA	le Pay	zone dept	h 476	l feet
OPEN FLOW DATA Producing formation Hamilton Shall				
PEN FLOW DATA Producing formation Hamilton Shal Gas: Initial open flow show Mcf/d	Oil: Ini	tial open	flow	Bbl/d
PEN FLOW DATA Producing formation Hamilton Shall Gas: Initial open flow show Mcf/d Final open flow 200 Mcf/d	Oil: Ini Fir	tial open al open fl	flow	Bbl/d
OPEN FLOW DATA Producing formation Hamilton Shal Gas: Initial open flow show Mcf/d Final open flow 200 Mcf/d Time of open flow between ini	Oil: Ini Fir tial and fi	tial open nal open fl nal tests	flow (Bbl/d Bbl/d
PEN FLOW DATA Producing formation Hamilton Shall Gas: Initial open flow show Mcf/d Final open flow 200 Mcf/d Time of open flow between init Static rock pressure 750 psig(surfate)	Oil: Ini Fir tial and fi	tial open nal open fl nal tests	flow (Bbl/d Bbl/d Bbl/d
PEN FLOW DATA Producing formation Hamilton Shall Gas: Initial open flow show Mcf/d Final open flow 200 Mcf/d Time of open flow between ini Static rock pressure 750 psig(surfa (If applicable due to multiple completio	Oil: Ini Fin tial and fi ce measurem	tial open nal open fl nal tests nent) after	flow C 4 hour 72 hou	Bbl/d Bbl/d urs rs shut in
PEN FLOW DATA Producing formation Hamilton Shall Gas: Initial open flow show Mcf/d Final open flow 200 Mcf/d Time of open flow between ini Static rock pressure 750 psig(surfa (If applicable due to multiple completion Second producing formation Brallier Sh	Oil: Ini Fin tial and fi ce measurem n) nale Pay	tial open fland tests ent) after zone dept	flow Company C	Bbl/d Bbl/d urs rs shut in feet
Producing formation Hamilton Shal Gas: Initial open flow show Mcf/d Final open flow 200 Mcf/d Time of open flow between ini Static rock pressure 750 psig(surfa (If applicable due to multiple completion)	Oil: Ini Fin tial and fin ce measurem n) hale Pay Oil: Ini	tial open fluid open fluid tests nent) after zone dept	flow Low 4 ho 72 hou ch 3816 flow sho	Bbl/d Bbl/d wirs rs shut in feet Bbl/d

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

3 stages with 40 holes per stage each stage consisted of 750,000 scf N_2

First Stage - Perf 4390-4604, 40 holes, stimulated with 750,000 scf N₂. Second Stage - Perf 3860-4088, 40 holes, stimulated with 750,000 scf N₂. Third Stage - Perf 3263-3766, 40 holes, stimulated with 750,000 scf N₂.

Fourth Stage - Perf 2123-3224, 38 holes, stimulated with 200,000 scf $\rm N_2$. Fifth Stage - Perf 1918-1924, 10 holes, stimulated with 400,000 scf $\rm N_2^2$.

WELL LOG

ARKS cation of all free , coal, oil and ga
., & Gas

(Attach separate sheets as necessary)

Date: 11-10-83

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."

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

RECEIVED
FEB 2 5 1983

OIL AND GAS DIVISION
(KIND)

Permit No. 073-1594

Company Jenk	cens Energ	M	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address Bru	dalport wi	Par	Size	*		
Farm Monon	ejakela por	wer	16	1.24		Kind of Packer
Well No. 4			13			
District Grant	County	esan	81/4	11/1	1111	Size of
Drilling commenced	2-17-83		65%			Depth set
	7	1106-	5 3/16			
Drilling completed	Total depth3	713	3			Perf. top
Date shot	Depth of shot		2			Perf. bottom
Initial open flow	/10ths Water in	Inch	Liners Used			Perf. top
Open flow after tubing	/10ths Merc. in_	Inch				Perf. bottom
Volume		Cu. Ft.	CASING CEME	NTED 85/8		No. FT2-19-803
lock pressure	lbs	hrs.	NAME OF SEF			
	bbls., 1	a management of the same	COAL WAS EN	COUNTERED	AT	FEETINCHES
resh water 340	feet	feet				FEETINCHES
alt water	feet	feet	FEET_	INCH	ES	FEETINCHES
rillers' Names				*		
				144		
emarks: Gas 120	0-1210			- Managing Change and		
Gos 2/3						

2-22-83

R.A. Lowther

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No							
COMPANY			ADDRESS				
FARM	-	DISTRICT.		COUNTY			
Filling Material Used							
Liner Lo	cation	Amount	Packer	Location	projection	111	
PLUGS USED A	AND DEPTH PLACED		BRIDGES	CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST	
						PRODUCTION OF THE PRODUCTION 	
	200						
					-		
						2 - 1	
			· · · · · · · · · · · · · · · · · · ·				
						Ÿ	
Drillers' Names							
Remarks:							
	I hamalan	:-!4-3-421					
DATE	I hereby certify I vi	isited the abov	e well on this date.				
				DIE	TRICT WELL	INSPECTOR	



State of West Virginia Department of Mines Oil and Gas Division Charleston 25305



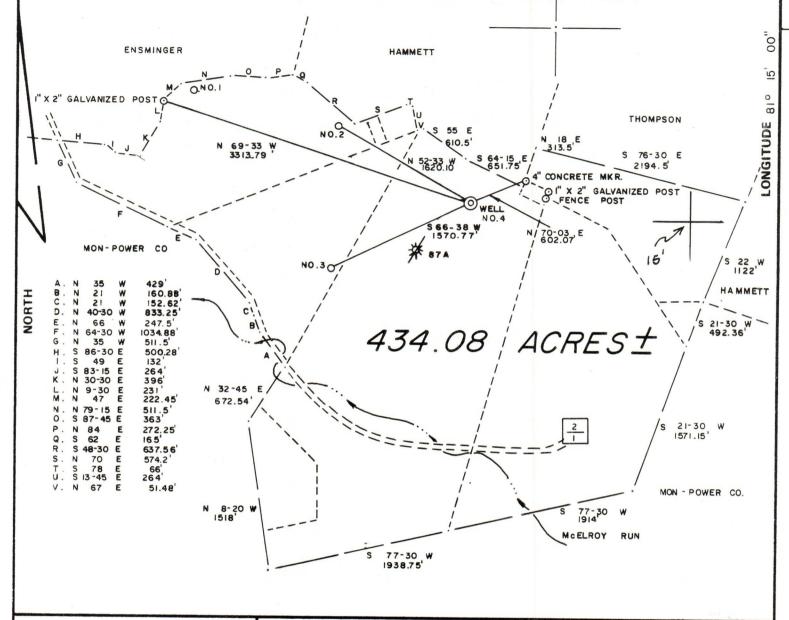
OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
June 6, 1984

	June 6, 198	34	
COMPANY	Jenkins Energy Corporation	PERMIT NO	073-1594 (2-83)
P. 0	. Box 980	FARM & WELL NO	Monongahela Power
Brid	geport, West Virginia 26330	DIST. & COUNTY	Grant/Pleasants
		TN	COMPLIANCE
RULE	DESCRIPTION	YES	
23.06	Notification Prior to Starting Work		V
25.04	Prepared before Drilling to Prevent		
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite		
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing		<i></i>
15.04	Adequate Cement Strenght		
15.05	Cement Type		
23.02	Maintained Access Roads		
25.01	Necessary Equipment to Prevent Waste		
23.04	Reclaimed Drilling Pits	-	
23.05	No Surface or Underground Pollution	7	
23.07	Requirements for Production & Gather	cing Pinelines	
16.01	Well Records on Site	Ing Tipelines/	_
16.02	Well Records Filed		
7.05	Identification Markings		
I HAVE I	NSPECTED THE ABOVE CAPTIONED WELL AND	RECOMMEND THAT LT	BE BELEASED:
		SIGNED A	Lowther
		DATE Jun	026,1984
V 1	1		,
rour wel	1 record was received and reclamation	requirements appr	oved. In accordance
with Cha	pter 22, Article 4, Section 2, the ab	sove well will rema	in under bond
coverage	for the life of the well.		. //
		711	110
		Administrator-0	il & Gas Division
		July 23,	
TMS/rls		DATE	
1112/11	5	DAIL	

39° 22' 30"

MON-POWER LEASE WELL NO. 4



FILE NO. 8 - 1

DRAWING NO. 1" = 1000'

MINIMUM DEGREE OF

ACCURACY 1 / 200

PROVEN SOURCE OF

ELEVATION T.B. M. MON. - POWER

CO. ELEV. 826.61'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) STRAGUL A. Smith

1. 2. Smith

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)



47 - 073 - 15 94 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

R.P.E.

OIL AND GAS DIVISION

WELL TYPE: OILGASLIQUID INJECTION WASTE DISPOSAL		
(IF "GAS,") PRODUCTION X STORAGE DEEP SHALLOW X		
LOCATION: ELEVATION 976. WATER SHED MCELROY RUN		
DISTRICT GRANT COUNTY _ PLEASANTS		
QUADRANGLE_WILLOW ISLAND 7.5'	***************************************	
SURFACE OWNER MONONGAHELA POWER COMPANY ACREAGE 434.08		
OIL & GAS ROYALTY OWNER MONONGAHELA POWER COMPANY LEASE ACREAGE	1158.22	
LEASE NO		
PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR		
STIMULATEPLUG OFF OLD FORMATIONPERFORATE NEW		
FORMATIONOTHER PHYSICAL CHANGE IN WELL (SPECIFY)		

PLUG AND ABANDON CLEAN OUT AND RE	PLUG	
TARGET FORMATION DEVONIAN SHALE ESTI	IMATED DEPTH 5125	
WELL OPERATOR JENKINS ENERGY CORPDES	IGNATED AGENT CARL DAVIS	
ADDRESS P.O. BOX 980	ADDRESS P.O. BOX 980	
BRIDGEPORT, W.V. 26330	BRIDGEPORT . W. V. 26330	