

1)	Date:	ldy o	,	1984
2)	Operator's Well No.	418	Revis 001 - 2043	ed
3)	API Well No.	47 -	001 - 2043	-REV
		State	County	Permit

				DEPARTM	ENT OF MINES, OIL	AND GAS DIVIS	SION	
		F	REVISED	APPLIC	CATION FOR A WELL	L WORK PERMI	<u>r</u>	
4) WELL TY	PE. A C				A CAINA HU BINOI	TELLINOS CIA	DIFICATIONS	
4) WEELT			Production			torage		_/ ShallowX/)
5) LOCATIO	ON: Ele	evation:	1340.	51		Taylor Dra		26-A
10.53		strict:	Pleasa	nt	County: Ba	rbour	Quadrangle:	
6) WELL OF	PERATOR			opment (7) DESIGNATE	DAGENT Mr. Gar	y Nicholas
Addres					Box 15746	Address		rporate Park
	A STATE OF THE STA		gh, PA	L 100 - 10715 - 10305 - 10				lgeport, WV 26330
	as inspec r. Phil			TED		9) DRILLING C		•
				Torrace	e, Apt. 24		n Jack Drillin	The second state of the se
Addres			WV 26	241	5, Apt. 24	Address	P. O. Box Buckhannon	
10) PROPOSI	ED WELL		Drill	X / Di	rill dogsor	/ Dadaill		× mederio
10) PROPOSI	ED WELL	WORK.	The second secon		rill deeper ion/ Perfora		/ Stimulate	VIEW P
					e in well (specify)	ite new formation		
11) GEOLOG	ICAL TAR	GET FOR		Havert	:y			MAY 9 - 198
12) Estim	ated depth	of complet	ed well,		225 1470-77 feet			A 040 DUUS
13) Appro	oximate trat	a depths:	Fresh, 7	0, 285-9	feet; salt.		feet.	OIL & GAS DIVIS
				5-1/0, 2	25-228, Is coa	l being mined in th	e area? Yes	DERT. OF MI
15) CASING	AND TUBI	NG PROC	GRAM	285-29	12			
CASING OR TUBING TYPE		SPEC	IFICATIONS Weight		FOOTAGE IN	TERVALS	CEMENT FILL-UP OR SACKS	PACKERS
	Size	Grade	per ft.	New Used	For drilling	Left in well	(Cubic feet)	
Conductor	77 2/	4 11 40	40	V	0.0			Kinds
Fresh water Coal	11-3/	4 H-40	42	X	30	30	To surface	By Rule 15.05
Intermediate	8-5/8	X-42	23	v	1650	1,650	T	Sizes
Production	4-1/2		10.5	V	1650 5225	1650 5225	To surface	
Tubing	1-1/2		THE RESERVE OF THE PARTY OF THE	X	9229	3223	200-400 sks	Kule 15.01
Liners								Perforations:
		onding	escur eus	vollo i as	has sendents on t	iste a loughtet	di hagger craite	Top Bottom
	Lie(1					Start.		
			-	s)norlyccic j	OFFICE LISE O	NII V		Application received
					OFFICE USE O DRILLING PER			
	4.7	001 00	/ 2 DEW		DRILLING I EF	CIVIII	W 0F	Well work started
Permit number_	4/-	001-20	43-REV		_		May 25,	19 84
Th:							Date	
uirements subjection	ect to the co	onditions c	r and well ontained h	location show	wn below is evidence of the reverse hereof. No	permission grant	ed to drill in accordance	ce with the pertinent legal re- and Gas Inspector, (Refer to
No. 8) Prior to	the construc	ction of ro	ads, location	ons and pits f	or any permitted work.	In addition, the w	ell operator or his cont	ractor shall notify the proper
					work has commenced			
The permitted wreverse hereof.	ork is as de	escribed in	the Notice	and Applicat	tion, plat, and reclamat	ion plan, subject	o any modifications an	d conditions specified on the
Permit expires _	May	25, 1	986		unless well v	vork is commenced	prior to that date and	prosecuted with due diligence.
		1			unicss wen v	voi k is commenced	prior to that date and p	
BondNKET	Agent	D	lat:	Casing	Fac			OTHER INSPECTIONS
BOMME.	Agent	1	al.	lo M	Fee			
	d 1	1 m	14)	MI	NF		11	/
						-/-	NA	/ moessyl
						Adm	inistrator. Office of Oi	1 and Gas

NOTE: Keep one copy of this permit posted at the drilling location.





OFFICE USE ONLY

indities.	Ouadranule:		Watershed: Country:	Pleasant		
y Michaelas	AGENTUIT. OR	7) PRSIGNATE			SPERATOR C	WELL
Propose Co-Park	<u>Oconivezono</u> Pac 1800 ini	padroba 333	. Nex 15746	4281 A9 66974		
ng Company		9) DRILLING C		y pr Norden Yacy Strival Terra	or actomatics of a control of the co	
100 78 - Vist (Beckname	Addross	1 2 20 30 20 3	TASSE VIV		1741
MEGETA	/_Slimile(c	Refull Orate thew loopsartion		mot blo the guld form	SED WELL WORK:	
SCI - C YAM ALL					OLCAL TARGET FO	61656
OIL & GAS DIVIS			1077-071A		mated depth of compl	(2) Esti
DEPT. OF MI						
PAGICIES	CENTRALITY TRACE			CHECKTRONS Weight a		PO DATE
THE PERSON OF TH					3 11-37F H-4	
20.3 F 9 F W. Y.	5051703.01		LUCCI LI	The Land	8_E	
		OFFICE	USE ONLY	1 27.5 E	E-io Evi-El	de la
This part of Form IV-2(h) is to record the	dates of certain	occurrences and a	ny follow un ingno	ations	
This part of Form TV-2(b) is to record the	dates of certain	occurrences and an	ny fonow-up mspec		
		Date			Date(s)	
Application received		VIIVO	Follow-up ins	pection(s)	<u> </u>	
			Follow-up insp	pection(s)		
Application received Well work started	May 25,		ACT ACHIED		2.7~001-2	ert nambe
Well work started Completion of the drilling	May 25 , 3 light of to decorron	PARTITION IN THE STATE OF THE S	OFFICENCE PLANT PROPERTY OF THE PROPERTY OF TH	VIX *630		
Well work started Completion of the drilling process Well Record received	Maye 22 . 3gr Japan Japa	NAMES of petrosson grants varies and the second sec	OFF R. P. L. St. [1817], ANG P. [1917], ANG P. [191	ton and, well tocalling st contained herein and a contain cultions are said to before actual permits		ao harrad iya afasin harra ha bira lio, fo
Well work started Completion of the drilling process Well Record received Reclamation completed	Heve 25, and to differ and the indicators of the indicator the indicator the indicators and the indicators are	EXAMPLE of parrolling grants of the control must be seen. It is nederion, the control matter of the control m	OFF C. P. L'SE. DRIF, AING P. JOWN balow. s. evidence of the river schereot. s. Reference schereot.	tos and, well tocation of contained and contained herein and contained and contained and a security also before actual nermit in the Notice and 4 pplu		pertail ce mants sui si Prior i ct oil aud se hercof
Well work started Completion of the drilling process Well Record received Reclamation completed	Pay 25. I gr I gr I of dell in according Wen to the District till all operator or the cool gary good firestrone an	EXAMPLE of parrolling grants of the control must be seen. It is nederion, the control matter of the control m	OFF C. P. L'SE. DRIF, AING P. JOWN balow. s. evidence of the river schereot. s. Reference schereot.	tos and, well tocation of contained and contained herein and contained and contained and a security also before actual nermit in the Notice and 4 pplu		pertail ce mants sui at Pron i ct oil aud se mitted il erunes
Well work started Completion of the drilling process Well Record received Reclamation completed	Pay 25. I gr I gr I of dell in according Wen to the District till all operator or the cool gary good firestrone an	EXAMPLE of parrolling grants of the control must be seen. It is nederion, the control matter of the control m	OFF C. P. L'SE. DRIF, AING P. JOWN balow. s. evidence of the river schereot. s. Reference schereot.	tos and, well tocation of contained and contained herein and contained and contained and a security also before actual nermit in the Notice and 4 pplu		ins strains is report in ict oil and

see the reverse side of the APPLICANTIS COPY for instructions to the web operator

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 § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
 - 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
 - 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
 - 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-lk and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-lk(d) and the reclamation required by Code § 22-4-lb and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-8a 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
Hugh R. Mitchell, et al	CGS C.	1/8	68 351

Notary Public, Havista County,

State of West Unginia

L)	Date:	Marr	15	1984	, 19	01
-,		may	IJ,	1904	1	04
71	_					

2) Operator's

Well No. CNGD 418

3) API Well No. 47-001-2043-Rev. State County Permit

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

NOTICE OF APPLICATION	FOR A WELL WORK PERMIT
4) SURFACE OWNER(S) OF RECORD TO BE SERVED	
/÷\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	5(i) COAL OPERATOR KITT ENERGY CORP.
	Address 455 RACE TRACK RD.
Address Route 3, Box 189	MEADOW LANDS DO 152117
(ii) Name Phillipi WV 26416	THE DESCRIPTION ON REI (1)
Address	Name Hillman Coal Company
1,000 1 2 20 2 2 20 2 2 20 2 2	Address 1900 Grant Building
(iii) Name	Name Republic Steel Corporation
Address	Address (55 P
	Address 455 Race Track Rd. PO Box 50 Meadow Lands, PA 15347
	5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
	Name
	Address
TO THE PERSON(S) YAMED ABOVE: You should	have received this Form and the following documents:
(1) The Application for a Well Work	Permit on Form IV-2(B) (or Form IV-4 if the well is
to be plugged, which sets out the	Permit on Form IV-2(B) (or Form IV-4 if the well is e parties involved in the drilling or other work,
Compating programs	The state of the state of the state of
121 TO DIST (STEEDINGS)	
(3) The Construction and Reclamation	Plan on Form IV-9) unless the well work is only to plan for erosion and sediment
reclamation for the site and acce	Plan on Form IV-9)unless the well work is only to plan for erosion and sediment control and for iss road.
THE DESCRIPTION OF THE PERSON	
WHICH ARE SUMARIZED IN THE "INSTRUCTIONS"	TIS IS THAT YOU HAVE RIGHTS RECARDING THE APPLICATION ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION U. HOWEVER, YOU ARE YOU THE
ACTION AT ALL.	ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION U. HOWEVER, YOU ARE NOT PEQUIRED TO TAKE ANY
Take merica than 1	A TABLE BY COMMAND REPORT OF THE PROPERTY OF T
erator proposes to file or has filed this	the West Virginia Code, the undersigned well op- Notice and Application and accompanying documents for of the Office of oil accompanying documents
Department of Vince With the Administra	tor of the Office of Oil and accuments
Construction and Reclamation Plan have been	of this Notice, the Application, the plat, and the
before the day of mailing or delivery to the	s of this Notice, the Application, the plat, and the mailed by registered or certified mail or delivered publication in certain circumstances) on or
6) EXPLACTION RIGHTS	Aministrator.
Check and provide one of the	
Is the lease on lease	her continuing contract or contracts by which
I hold the right to extract oil or	gas.
22-4-1-(c) (1)	gas. through (4). (See reverse side for specifics.)
7) ROYALTY PROVISIONS	Continues the management of the second second of the second
or other contract or contracts are discontinuous	for flat well royalty or any similar provision
for compensation to the owner of the oil of	for flat well royalty or any similar provision or gas in place which is not inherently related
to our or gas so extracted,	produced or marketed? Yes
If the answer above is No, nothing	g additional is needed. If the answer is Yes,
you may use Affidavit Form IV-60.	is needed. If the answer is Yes,
See the reverse side for li	
the required copies of the Notice and	nstructions, and for instructions concerning d Application, plat, and Construction and
Tall.	and Construction and
The truth of the information on the	WELL
NOLICE and Application is varified	
and the Notice is	OPERATOR CNG Development Company
signed on behalf of the Well Operator	By San A Michella
my wunty and State by	The state of the s
Gary A. Nicholas	Double In Operations. Manager
this 15 day of May , 19 84.	Crosswind Corporate Park
My commission expires $07/11$, 19 93.	Box 698, Bridgeport, WV 26330
mary Ellen Chipitte	Terephone (304) 623-8842

COAL OWNER'S COPY



1)	Date:	May 8		_, 19_84
2)	Operator's Well No.	418		
3)	API Well No.	47		AND THE RESERVE
		State	County	Permit

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

REVISED APPLICATION FOR A WELL WORK PERMIT

4) WELL TYI	PF. A C	Dil	/ (Gas	v /				
4) WEEE III			s", Producti		* X /	Undergroun	nd storage	/ Deep	_/ Shallow/)
5) LOCATIO		evation	134	0.51		Watershed:		in	
	Dis	strict:	Plea	sant		County:	Barbour	Quadrangle:	Philippi
6) WELL OPI	ERATOR		CNG Dev	elopm	ent Comp	pany	7) DESIGNATE	DAGENT Mr. Ga	ry Nicholas
Address	C/1	o Pa	ul Garr	ett,	P.O. Box	x 15746	Address	Crosswind C	orporate Park
	P	itts	burgh,	PA 1	5244		Rt. 2,	Box 698, Bri	dgeport, WV 26330
8) OIL & GAS	SINSPEC	TOR	TO BE NOT	IFIED			9) DRILLING C	ONTRACTOR:	
Name	r. Phi	HIP	Iracy	7 00			NameSa	m Jack Drilli	ng Company
Address	rol	rest	restry	al Tel	rrace, /	Apt. 24	Address	P. O. Box	48
	_ <u>L</u>	lkin	S, WV	26241				Buckhanno	n, WV 26201
10) PROPOSE	D WELL	WORK	K: Drill_	X	_/ Drill	deeper	/ Redrill	/ Stimulate	X
			Plug	off old f	ormation	/ Per	forate new formation		
			Other	physical	change in w	ell (specify)_			
11) GEOLOGI	CAL TAR	GET I	FORMATIO	N,	iverty				
12) Estima	ted depth	of com	pleted well,	370	5225	1470-77	eet		
13) Approx	ximate trat	a dept	hs: Fresh,	170, 7	CED-YZ,	feet; s	alt,	feet.	
14) Approx	ximate coa	l seam	depths:	100-1/	/U, ZZ5-	1228 s Is	coal being mined in the	e area? Yes	/ No/
15) CASING A	ND TUBI	ING P	ROGRAM	23	35-292				
CASING OR			SPECIFICATIO		1	FOOTAG	GE INTERVALS	CEMENT FILL-UP	PACKERS
TUBING TYPE	Size	Gra	de Weight	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor									Kinds
Fresh water	11-3/	14 H	-40 42	X		30	30	To surface	By Rule 15.05
Coal									Sizes
Intermediate	8-5/8	X	-42 23	X		1650	1650	To sufface	By Rule 15.05
Production	4-1/2	l J	-55 10.	5 X		5225	5225	200-400 sk	Depths set Rule 15.01
Tubing	1-1/2	2 CN	-55 2.7	5 X					
Liners									Perforations:
									Top Bottom
			IN	STRUCT	TIONS TO C	OAL OPER	ATOR, OWNER, OR	LESSEE	
				STRUC.	TONS TO C	ONE OF ER	TOR, OWNER, OR	LESSEE	
								any objection they wish	
			ion by the D			i with the Dep	partment of Mines with	nin fifteen (15) days afte	er the receipt
	or time rap	piicut	ion by the B	cpartine					
		The f	ollowing wai	ver must	be complete	d by the coal	operator and by any	coal owner or coal less	ee
						lode §22-4-20	, if the permit is to be	issued within fifteen (1	5)
		days	of the filing	of the Ap	oplication.				
						WAIVE	R		
The undersion	nd anal ama				/			/-6-1	1 1 1 1 1 1 1 1 1 1
examined this pro	oposed wel	ll locat	ion. If a mir	e man ex	ists which co	vers the area	of the well location th	e well location has bee	oal under this well location has n added to the mine map. The
									all applicable requirements of
the West Virginia									
Data				10			P		
Date:			,	19			Ву		
							Its		
							IIS		

SURFACE OWNER'S COPY



1)	Date:	y 8		_, 19
2)	Operator's Well No	418		
3)	API Well No.	47		
-,	- 12 Table	State	County	Permit

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

APPLICATION FOR A WELL WORK PERMIT

		100	A WALL					
4) WELL TYP	E: A Oi	1	/ Ga	s X	_/			Y
			Production	1	/ Undergroun	Tarrings Doom de	/ Deep	_/ Shallow/)
5) LOCATION		vation:	Teasan	t	Watershed: County:		Quadrangle:	hilippi
O WELL ON		trict:	Develo	pment	Company	7) DESIGNATEI	Contract of the same	Nicholas
6) WELL OPE Address		Paul 6	arrett	275 275	Box 15746	Address	A Company of the State of the S	porate Park
Address	Pit	tsburg	h, PA	15244		Rt. 2, 1	Box 698, Bridg	eport, WV 26330
8) OIL & GAS	SINSPECT	TOR TO I	BE NOTIF	TED		9) DRILLING C	ONTRACTOR:	
Name	Phill	ip Tra				Name Sam	Jack Drilling	Company
Address	Fore	st Hes	tival	Terrac	e, Apt. 24	Address	P. U. BOX 4	
	EIK	ins, H	IV ZOZ	41		2	Buckhannon,	MA COZOI
10) PROPOSE	D WELL V	WORK:	Drill	<u>A</u>	Drill deeper	/ Redrill	/ Stimulate	
						forate new formation		
				3-120-35-55-55	nge in well (specify)_			
11) GEOLOGI				5	225 1470-77 fe			
12) Estima				, 285-		et alt,	feet.	
13) Approx			Fresn,		icci, s	coal being mined in th		/ No/
14) Approx			tils.	285-2		coar being inned in th	carca: ics	
15) CASING A	ND TUBI				II FOOTAG	GE INTERVALS	CEMENT FILL-UP	PACKERS
CASING OR TUBING TYPE			Weight	1		Left in well	OR SACKS (Cubic feet)	
	Size	Grade	per ft.	New Us	sed For drilling	Left in wen	(Cubic rett)	Kinds
Conductor	11-3/4	H-40	42	X	30	30	To surface	By Rule 15.05
Fresh water	11-3/4	11-74	74					Sizes
Coal	8-5/8	X-42	23	X	1650	1650	To sufface	By Rule 15.05
Intermediate Production	5-1/2	J-55	10.5	X	5225	5225	200-400 sks	Depths set W10 15.01
Tubing	1-1/2	CN-55	2.75	X				
Liners								Perforations:
Liners								Top Bottom
I hereby sta	the filing on a facs	of the Applimile of the	plication if his surface he instructi	volu	owner(s) of record sign by of the Application NTARY STATEMEN ace owners on the reve	TOF NO OBJECTIOns side of this Application for a	ation for a Well Work F	Permit, and that I have received Form IV-2(B), (3) a survey plat
on Form IV-6, I further st materials.	and (4) a (ate that I h	Constructi ave no ob	on and Re jection to t	the planned	work described in the	Il for proposed well w se materials, and I hav (For execution by nat	e no objection to a per	I as described therein. mit being issued based on those
(For execution	by corpora	tion, part	nership, et	<u>c.</u>)		(For execution by hat	urur persons)	
NAME:								Date:
				7771			(Signature)	
				(11)		****	(Signature)	Date:
Its_				Dat	e		(Signature)	

INSTRUCTIONS TO SURFACE OWNERS AND

EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT ON OIL AND GAS WELL WORK PERMIT

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas West Virginia Department of Mines 1615 Washington Street East Charleston, West Virginia 25311 (304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments as provided in Methods for Filing Comments below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection, to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

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

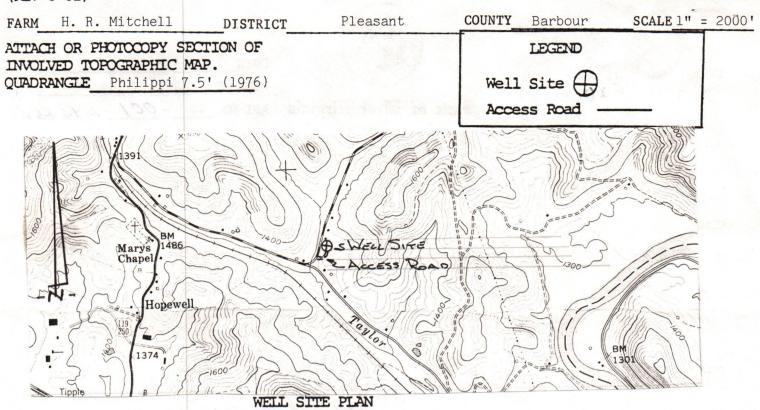
- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

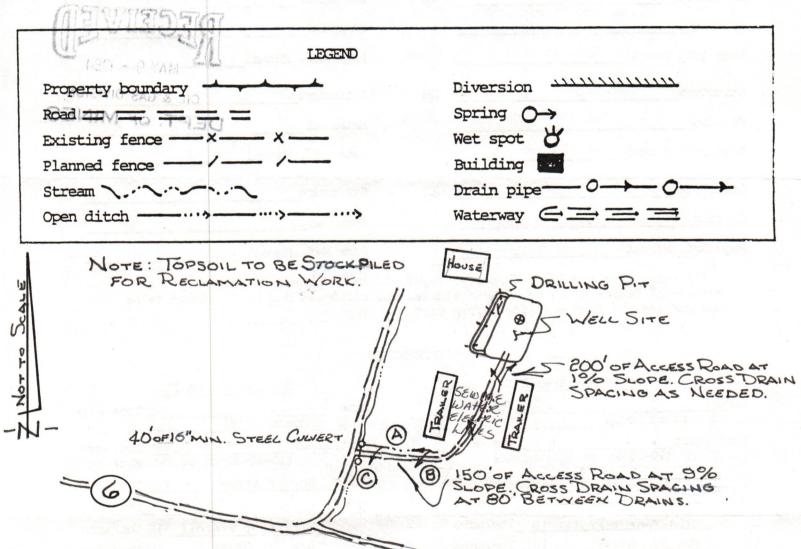
List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Adminisatrator's office or an Oil and Gas Inspector to obtain a copy of the list.

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

COUNTY OF KANAWHA:
The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of— (1) Notice on Form IV-2(A) / Form IV-3(A) / Form IV-4(A) / (2) Application on Form IV-2(B) / Form IV-3(B) / Form IV-4(B) / (3) Plat showing the well location on Form IV-6, and (4) Construction and Reclamation Plan on Form IV-9 (unless the application
is to plug a well) all with respect to operator's Well No. CNGD 418 located in PLEASANT District, BARBOUR County, West Virginia, upon the person or organization named ROYAL LAND Co.
by delivering the same in Washington County, State of Pennsylvania on the 3rd day of April , 1984 in the manner specified below.
[COMPLETE THE APPROPRIATE SECTION]
For an individual: [] Handing it to him / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.
[] Handing it to a member of his or her family above the age of 16 years who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.
For a partnership: [] Handing it to partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.
For a limited partnership: [] Handing it to the general partner, named, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.
For a corporation: [] Handing it to the corporation's employeev / officer / director / attorney in fact / named Michael A. Dillon
(Signature of person executing service
Taken, subscribed and sworn before me this 18th day of May, 1984 My commission expires August 19, 1990 May Cherry Public
(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)



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



Comments: Access to the well site will be gained by constructing approximately 350 feet of new access road, access road will be sloped at 2-3% towards the open ditch. All outlets of drainage structures and ditches will be to stable areas. The well location will be located in a flat cleared area. All brush and timber will be removed from the area to be disturbed prior to any earth moving activities. The road and well site will be brought to desired grade with erosion control structures being installed in conjunction with the grading. Natural vegetation (filter strip) will remain undisturbed in areas between construction and natural water courses.

-001 -2043-Rev.



C.N.G. Development Company



DATE April 6, 1984

API NO. 47

WELL NO. CNGD 418 Rev.

Gary A. Nicholas

State of Mest Airginia

Bepartment of Mines Gil and Gas Bivision

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME	One Park Ridge Center		DESIGNATED AGE	T Crosswind Corp	orate Park
Address	Pittsburgh, PA 15219		Address	Route 2 Bridgeport, WV	26330
Telephone_	412-429-2390		Telephone	304-623-8134	
LANDOWNER	Richard L, Keen		SOIL CONS. 1	DISTRICT Tygarts	Valley
Revegetati	ion to be carried out by	Gary	A. Nicholas	ANALEMY THERES	(Agent)
This pla	an has been reviewed by	Tyga	arts Valley	SCD. All cor	ections.
	s become a part of this pl	an:	4/16/84	oc. All cor	.ecuois
			(Date)		
				eman	
		0	(SCD Agent)	Sec. 347	
	ACCESS ROAD			LOCATION	
	Drainage Ditch	(A)	Structure		_(1)
	Along access road Inside road cuts		Material	DEC	ELIVIELL
				N. C. C.	3
Page Ref. Man	mai 2-12 00 2-14		Page Ref. Ma	mual MAY	9 - 1984
Structure	Cross Drains	(B)	Structure	OII & G	AS DIVISION
Spacing	As noted on sketch		Mahami al	DERT	MINE
	2 1 to 2 6		Material	DEFI	
Page Ref. Man	ual 2-1 to 2-6		Page Ref. Ma	mual	
Structure	Culvert	(C)	Structure		(3)
Spacing	16" Min. Steel Road		Material	All region leavings or of the control of the control	
Page Ref. Man	ual 2-7 to 2-11		Dam Dof Ma		THE RESERVE THE PARTY OF THE PA
	and the same of th		Page Ref. Ma	The state of the s	
All stru commercial	ctures should be inspected timber is to be cut and s	regulari	ly and repaired	if necessary. A	77
cut and re	moved from the site before	dirt wor	k begins.	a small timber to	De
	F	EVEGETATI	CON		
	Treatment Area I	1	Tr	eatment Area II	
Lime	3.0 Tons/acr	ne .	Lime		Tons/acre
or correct		19/	or correc	t to pH 6.5	
Fertilizer	600 lbs/acre	Same and the same	Fertilizer_	600	lbs/acre
	-20-20 or equivalent)			0-20-20 or equiva	lent)
Mulch Hay or			Mulch Hay o	er straw 2.0	Tons/acre
Seed* Ky 31			Seed* Ky 31	Tall Fescue 40	lbs/acre
	oot Trefoil 10 lbs/acre		Birds	foot Trefoil 10	lbs/acre
Dom_Rye	e Grass 10 lbs/acre	-	Dom F	tye Grass 10	lbs/acre
*Inoculate	all legumes such as vetch	. trefoil	and clovers w	ith the proper had	at ani m
Inoculate with	h 3X recommended amount.		D	Deve C	2 can.
		בר יון בב	EPARED BY MSES	Consultants	7
CCFS: Plan	ase request landowners				0
cooperation	on to protect new		ADDRESS 609	West Main Street	
seedling .	for one growing season. parate sheets as		Clar	ksburg, WV 2630	1
necessary	for comments.	=	ארטיב אוט פער	624_0700 942 22	25

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

COUNTY OF KANAWHA:
The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of— (1) Notice on Form IV-2(A) / Form IV-3(A) / Form IV-4(A) / (2) Application on Form IV-2(B) / Form IV-3(B) / Form IV-4(B) / (3) Plat showing the well location on Form IV-6, and (4) Construction and Reclamation Plan on Form IV-9 (unless the application is to plug a well)
all with respect to operator's Well No. CNGD 418 located in PLEASANT District, BARBOUR County, West Virginia, upon the person or organization named
KITT ENERGY CORP.
by delivering the same in WASHINGTON County, State of PENNSYLVANIA on the 314 day of APRIL , 1984 in the manner specified below.
[COMPLETE THE APPROPRIATE SECTION]
For an individual: [] Handing it to him / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.
[] Handing it to a member of his or her family above the age of 16 years named who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.
For a partnership: [] Handing it to
For a limited partnership: [] Handing it to the general partner, named
For a corporation: [] Handing it to the corporation's employee / officer / director / attorney in fact / named FRANK MILLER
(Signature of person executing service)
Taken, subscribed and sworn before me this 18 day of May, 1984. My commission expires less 19, 1990.
Mary Public
(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

1)	Date:	March	27		, 1	9_84
2)	Operator's Well No.	418	lu .		-2(0)	FORMAY
3)	API Well No.	47 -	001	-	2043	3000000
		State	(Cour	nty	Permit

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

) WELL TYP	E: A Oi	HW GB	/ Ga	s	V	DNS (JE ANA	THEMOS GM	A ZMONTA OPIN	_/ ShallowX_/)
									/ Silatiow/)
) LOCATION						_ watersned: _	Taylor Dr	Quadrangle: _	Dhilippi
		trict:							Gary Nicholas
WELL OP									Corporate Park
Address						x 15746			dgeport, WV 26330
		Pittsbu			15244		9) DRILLING		ugeport, wv 20330
OIL & GAS	S INSPECT	TOR TO B	E NOTIF	TED			y) DRILLING C	am Jack Drill	ing Company
Name	Foros	t Foct	ival	Torr	ace A	pt. 24	Address	D 0 D	
Address	Elk	kins, V	W 26	241	ace, A	pc. 24	Address	Buckhanno	
PROPOSE			Drill	X			/ Redrillorate new formatio	/ Stimulate	PECEIVE
GEOLOGI	CAL TAR	GET FORM							APR 2 - 1984
12) Estima	ted denth o	of complete	d well.		5225	fee	t		
12) Appro	vimate trat	a denths:	Fresh	170.	285-9	2 14/0-// feet; sa	ţ lt,	feet.	OIL & GAS DIVIS!
14) Appro	vimate coal	l seam dent	hs. 16	5-70	. 225-	28. Is c	oal being mined in t	he area? Yes	DEPT. OF MIN
CASING A	ND TURE	NG PROC	RAM		285-92		oal being mined in t		DEPT. OF MI
, Chiomico.	II TOBI		FICATIONS		11		INTERVALS	CEMENT FILL-UP	PACKERS
CASING OR CUBING TYPE			Weight		Used	For drilling	Left in well	OR SACKS (Cubic feet)	
	Size	Grade	per ft.	New	Useu	Tor drining			Kinds
nductor	11 2/	11 (0	42	X		. 30	30	To surface	By Rule 15.05
sh water	11-3/4	4 H-40	42	Λ	300		30010850	TO GULLACO	Sizes
al	0 5 10	77. / 0	22	77	-	1650	1650	To surface	By Rule 15.05
ermediate		X-42		X		5225	5225	200-400 sks	
oduction		J-55		X		Z 11/10 - 12/11	THEFT	200 400 SRC	
bing	1-1/2	CN-55	2.75	X		15.07 107 1 12 2			Perforations:
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		A		(2)(10)	Josqeite	OFFICE USE	ONLY		
						DRILLING P			ell work started
						DRIEEINGI			19 84
rmit number	47-	001-20	43				•	May 2,	THE RESERVE TO A SECOND REPORT OF THE PARTY
									Date LIFE SOL TO POLISIONO
is permit cov	ering the w	ell operate	or and we	ll locati	ion showr	below is evidence	e of permission gra	inted to drill in accord	ance with the pertinent legal re
irements subj	ect to the c	conditions	contained	herein	and on th	e reverse hereof.	Notification must be	e well operator or his c	Oil and Gas Inspector, (Refer to ontractor shall notify the prope
O) Delando	he constru	ction of ro	ade locat	ions an	a bits for	work has commen	IN. III addition, the	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	September 1001 Miloson Ho
strict oil and	gas inspect	or 24 nour	s before a	icitual p			mation plan subje	ct to any modifications	s and conditions specified on th
ne permitted v	work is as d	lescribed in	n the Noti	ce and	Application				s and conditions specified on th
verse hereof.	May	2, 19	986			unless w	vell work is commen	ced prior to that date a	nd prosecuted with due diligence
ermit expires						unicos v			THER INSPECTIONS
Bond:	Age	nt:	Plat:	Cas	ing	Fee			Reason:
BLANKET	-	11	mil	n	2112	01626		-11	1
	1	11	111	" /	1 10		1/1	41	Pearon
							100	2 201	s All and Gas
							A	dministrator, Office o	I Off allu Gas
OTE: Keep				l at the	drilling le	ocation.	Α	dministrator, Office o	File





OFFICE LISE ONLY

		OFFI	daw radii ito	DA HAY				
PERMIT MO	ODIFICATIONS	S AND CONDIT	IONS (IF AN	Y) TO T	HE P	ROPOSEI	WELL W	ORKTILIEW
	9		Watershed:				Hevation:	FOCULION:
		Balti Baltina						
	ZOBNT TABOX	7) DESIGNATED Address					TORADT	WELL OPERA
								Address
		9) DRIFFING CON			ger	UTOW'98 C	SMECTOR T	
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10 (B) - 10 (B)								Address
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Perforations:	- AS - 1							2 1 2 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1
This part of Form IV-2(b) is to record th	e dates of certain	occurrences a	nd any i	follow	-up inspec	tions.	
		Date					D	ate(s)
Application received			Follow-up	n inspect	ion(c)			
Well work started		ONEY	PPPCEUSE ORIGING PE		` `			
well work started		A ASTURA	A R COVILLENSIVA		,,			
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process			ballow is evidence		deantal			CONTRACTOR STREET, STR
Process managed add daw and								
Vell Record received	il operator or his cor	in addition, the we d.)	as permitted work ork has commence	anu on me i ellerier a rmitted w	nteren , a anol ej fante	ns contained reads, locali auts before a	o the condition entryether of expector 24 hr	topped and select to the control of
Vell Record received	il operator or his cor	in addition, the we d.)	as permitted work ork has commence	anu on me i ellerier a rmitted w	nteren , a anol ej fante	ns contained reads, locali auts before a	o the condition entryether of expector 24 hr	topped and select to the control of
Vell Record received	ll operator of his cor seas modifications a	in addition, the west. of.) ation plan, subject to	as permitted work ork has commence or plot and rechan	anu on me i ellerier a rmitted w	nteren , a anol ej fante	ns contained reads, locali auts before a	o the condition entryether of expector 24 hr	topped and select to the control of
Vell Record received Reclamation completed	ll operator of his cor seas modifications a	in addition, the west. of.) ation plan, subject to	as permitted work ork has commence or plot and rechan	anu on me i ellerier a rmitted w	nteren , a anol ej fante	ns contained reads, locali auts before a	o the condition entryether of expector 24 hr	enemic subject to the consistency of the consistenc
Well Record received Reclamation completed OTHER INSPECTIONS	ll operator of his cor seas modifications a	in addition, the west. of.) ation plan, subject to	ary remitted work ork has commence or ple, and rectain unless we	and on me	nerein look ki ciust pa ce and,	ns contained foods out to before a time Note of the Original of the Note of th	o the condition of order of the condition of the conditio	em nis subject i i jorte ier e iet oil and gas i permitted work ge nereof.
Completion of the drilling process Well Record received Reclamation completed OTHER INSPECTIONS Reason:	ll operator of his cor seas modifications a	in addition, the west. of.) ation plan, subject to	as permitted work ork has commence or plot and rechan	and on me	nteren , a anol ej fante	ns contained reads, locall outs before a	o the condition entryether of expector 24 hr	em nis subject i i jorte ier e iet oil and gas i permitted work ge nereof.

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

	l) Date:	,:9
	2) Operator's Well No.	
	3) API Well No. 47	
STATE OF WEST VIRGINI DEPARTMENT OF MINES, OFFICE OF	OIL & GAS	Permit
NOTICE OF APPLICATION FOR A WELL		
F RECORD TO BE SERVED 5(i	OAL OPERATOR Address	
5(ii) COAL OWNER(S) WITH DECLARATION C	N RECORD
	Address	
	Name	
	Address	
5(iii)	COAL LESSEE WITH DECLARATION ON I	RECORD:
	Address	
To the contract the second of		
The Application for a Well Work Permit on Form IV to be plugged, which sets out the parties involve and describes the well and its location and, if a camenting program; The plat (surveyor's map) showing the well location and construction and Reclamation Plan on Form IV-plug a well), which sets out the plan for erosion reclamation for the site and access road.	V-2(B) (or Form IV-4 if the well is ad in the drilling or other work, applicable, the proposed casing and ion on Form IV-6; and	

			NOTICE OF	F APPLICATION	FOR A WELL	WORK	PERMIT		
	RFACE CWNI Name Address	er(s) of	RECORD 1	TO BE SERVED			OPERATOR	<u> </u>	
(ii)	Name Address				5(ii)	Name	CWNER(S)	WITH DECLARAT	ION ON RECORD
iii)	Name Address					Name Add	iress		
•			•		5(<u>iii</u>)	Name_	LESSEE W.	ITH DECLARATION	N ON RECORD:
		(2) T	be plugged and describes ementing pro	O ABOVE: You should on for a Well Work which sets out the the well and its l gram; veyor's map) showing ion and Reclamation	Permit on Form IV- e parties involved ocation and, if ap	2(B) (or in the plicable	Form IV-4 if drilling or o	the well is other work, ad casing and	

reclamation for the site and access road. THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS RECARDING THE APPLICATION WHICH ARE SIMPLED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY

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

6) DURACTION RIGHTS

Check and provide one of the following:

☐ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.

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

ROYALTY PROVISIONS

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

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

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and

signed on behalf of the Well Operator
in my County and State by
this 15 day of may , 1984.
My commission expires 07/11, 1993.
man All Salilite
Notary Public, Hamen County, State of West Virginia
state of West Virginia

The truth of the information on the Notice and Application is verified

OPERATOR CNG Development Company	
4 1 1/1/	
Its Margar South	
Its Manager, Southern Operations Address Crosswind Corporate Park	
Rt. 2. Box 698 Bridgeport UV 26220	
Telephone (304) 623-8842	

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 cwner(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-cwners of interest described in subsection (a) of this section hold interests in such lands".
 - 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
 - 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
 - 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-lk and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-lk(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

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

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

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

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

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

FORM IV-2(A)		1) Date: March 27 2) Operator's Well No. 418	,19_84
		3) API Well No. 47 - 000	- 2043
STATE OF I	WEST VIRGINIA	State Cour	
DEPARIMENT OF MINES	OFFICE OF OTT		
NOTICE OF APPLICATION	I FOR A LETT I WAS	a GAD	
4) SURFACE OWNER(S) OF RECORD TO BE SERVED			
	5(i) COA	L OPERATOR_	
(i) Name Richard L. Keene Address Route 3 Box 180	Add	ress	
Phillipi LW 26416	5(ii) COA	I CANED (C)	
(11) Name	Nam	L OWNER(S) WITH DECLARATION e Hillman Coal Company	ON RECORD:
Address	A	ddress 1900 Grant Building	
(iii) Name		Pitteburgh DA 150	010
Address	Name		
	Seam Seam	455 Race Track Rd.	P O Box 500
	5(iii) COAI	Meadow Lands, PA 153	347
	Name	LESSEE WITH DECLARATION ON	RECORD:
	Ad	dress	
TO THE PERSON IN			
TO THE PERSON(S) NAMED ABOVE: You should (1) The Application for a Well Work:	have received this Form	and the following	
Comenting	cation and if amiliant		
(3) The Construction Showing	the well location	그 일본 열리를 하는 이 뒤로 하나가 있습니다. 다양 없어 먹어 그 모나 그	
	Plan on Form IV-9)unles	s the well work is only to	
The same of the same same same same same same same sam	ss road.	The control and for	
THE REASON YOU RECEIVED THESE DOCUMEN WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU ACTION AT ALL.	IS IS THAT YOU HAVE RIGHT	S REGARDING THE APPLICATION	
THE TOTAL TOTAL	. HOWEVER, YOU ARE NOT	PER APPLICATION	
Take notice that under Chapter 22 of	the Warrant	15 LACE ANI	
erator proposes to file or has filed this N for a Well Work Permit with the Administrat Department of Mines, with respect to a well	otice and Application are	he undersigned well op-	
for a Well Work Permit with the Administrat Department of Mines, with respect to a well and depicted on attached Form IV-6. Copies Construction and Reclamation Plan have been by hand to the more than the property of the pr	at the location describe	and Gas, West Virginia	
by hard to the Reclamation Plan have been	of this Notice, the Appl	dication, the plat, and the	
of mailing or delivery to the	publication in certain of	certified mail or delivered	
EXTRACTION RIGHTS	aur.		/ F N
Check and provide one of the following:		ME	5
tedse or league on	er continuing contract or	contracts by which APR 2 - 15	184
The requirement of Code 22-4-1-(c) (1) of ROYALTY PROVISIONS Is the right to	through (4). (See reverse	which /11 to	
7) ROYALTY PROVISIONS Is the right to extract	1010136	side for specifics.) OIL & GAS DIV	VISION
Is the right to extract, produce or market or other contract or contracts providing f for compensation to the owner of the oil or to the universe	the oil or gas based upo	on a lease or less DEPT. OF N	IINES
or other contract or contracts providing for compensation to the owner of the oil or to the volume of oil or gas so extracted,	gas in place which is no	any similar provision	
If the answer above is No, nothing you may use Affidavit Form IV-60.	additional is needed. If	the answer is Yes	
See the			
See the reverse side for line item ins the required copies of the Notice and . Reclamation Plan.	Application, and for instru	actions concerning	
= truth of the information	ptat, and Co	enstruction and	
TO WILL ADDITION IN THE STATE OF THE STATE O	WELL		
The Motion !	OPERATOR CN	G Development Company	
med on behalf of the Well Operator my County and State by	By Fluid	Company	
wes french by		Level	
s27 day of	Add	President, James Frink	
My commission expires 5/v5 , 1984.		. 0. Box 15746	
avorene T Masser 7	Telephone	littsburgh, PA 15244 412-787-3550	
otary Public and			
State of Tenney County,		YVONNE T. GREEN, NOTARY PUBLIC	
Outrana		PITTSBURGH, ALLEGHENY COUNTY, PA. MY COMMISSION EXPLORES	
		MY COMMISSION EXPIRES MAY 25, 1987	

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 § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests
 - 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 contimuing contract(s), the Applicant may fill out the information in the space provided below.
 - 7) See Code § § 22-4-11(d, e).

West or you was CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-lk and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-lk(d) and the reclamation required by Code § 22-4-12b and Regulation unless previously paid on the same well, the fees required by Code § 22-4-la(c) and 22-3-12a, and (v) if applicable, the consent 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-
 - (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
Hugh R Mitchell, etal	Consolidated Gas Supply Corporation	1/8	68	351

COUNTY OF Barbour

On this, the $6^{\frac{1}{10}}$ day of Aprilthe undersigned, RICHARD L.KEENE&ESTHER L.KEENE, owners of 16.4 acres of land situate in Pleasant Dsitrict, Barbour County, which is subject to Oil and Gas Lease dated October 14, 1970 made by Hugh R. Mitchell, et al to __Consolidated Gas Supply Corporation _, said lease being recorded in public records of Barbour County, in Book 68, at Page 351 do hereby approve of the proposed well location of CNG Development Company. Said location as presently staked is approximately 130 feet from our house.

Richard L. Keene

OIL & GAS DIVISION DEPT. OF MINES

Sworn to and subscribed before me this 6th day of April 1984.

CORRABABLE

PIMOR

STANDARY CERTIFICATION

APERING TO YTHOU

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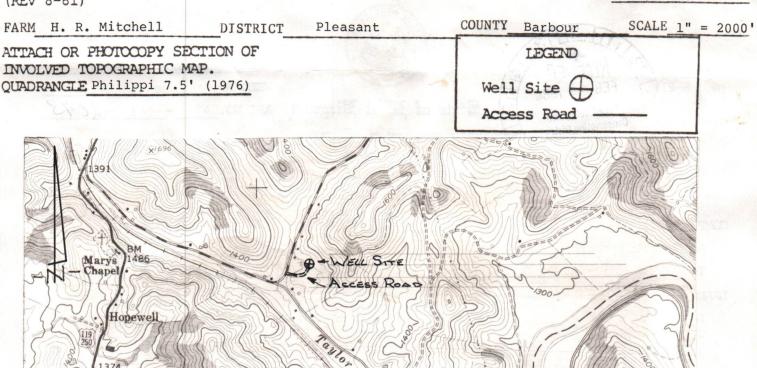
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STANKS.

(TELVISION)

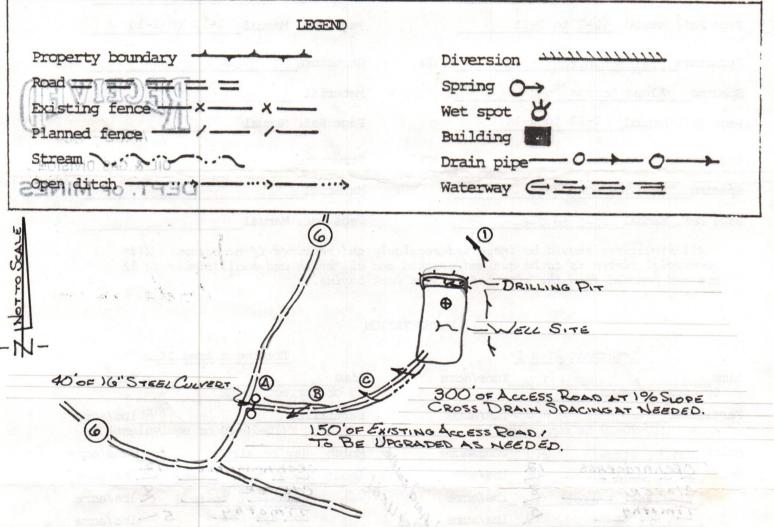
HORSTO SALA AND EBHAM to TERM

Sworn to and subscribed before he this



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

WELL SITE PLAN



Comments: Access to the well site will be gained by constructing approximately 300 feet of new access road and upgrading as needed 150' of existing road, beginning at a junction point in the Barbour County Route 6. The access road will be sloped at 2-3% towards the open ditch. All outlets of drainage structues and ditches will be to stable areas. The well location will be located in a flat cleared area. All brush and timber will be removed from the area to be disturbed prior to any earth moving activities. The road and well site will be brought to desired grade with erosion control structures being installed in conjunction with the grading. Natural vegetation (filter strip) will remain undisturbed in areas between construction and natural water courses. Under most conditions, the preceeding plan will be followed; however, due to lease restrictions, surface owner request and weather conditions, etc., the plan may be altered. Subsequently, the proper erosion and sediment control measures will be installed.

IV-9
(Rev 8-81)

FEB 1984

Tygart Valley Soil
Conservation District

Telephone 412/429-2390

LANDOWNER Richard L. Keen

COMPANY NAME CNG Development Company
One Park Ridge Center
Address Pittsburgh, PA 15244

Revegetation to be carried out by_

This plan has been reviewed by

and additions become a part of this plan:



DATE February 10, 1984

WELL NO. CNGD 418

DESIGNATED AGENT Gary A. Nicholas

Telephone 304/623-8134

Address Crosswind Corporate Park Bridgeport, WV 26330

SOIL CONS. DISTRICT Tygart Valley

State of Mest Mirginia Bepartment of Mines Gil und Gas Bivision

API NO. 47 - 001 -2043

SCD. All corrections

(Agent)

CONSTRUCTION AND RECLAMATION PLAN

Gary A. Nicholas

Tygart Valley

	-	(SCD Agent)
ACCESS ROAD	V	LOCATION
Structure Culvert	(A)	Structure Diversion Ditch (
Spacing 16" Steel Road Culvert		Material Earth
Page Ref. Manual 2-7 to 2-11		Page Ref. Manual 2-12 to 2-13
Structure Drainage Ditch	(B)	Structure
Spacing Along Access Road		Material DECENV
Page Ref. Manual 2-12 to 2-14		Page Ref. Manual APR 2 - 19
Structure Cross Drain	(C)	Structure OH & GAS DIV
Spacing As Noted On Sketch		Material DEPT. of M
Page Ref. Manual 2-1 to 2-6		Page Ref. Manual
commercial timber is to be cut and cut and removed from the site befor	stacked o	
commercial timber is to be cut and cut and removed from the site befor	stacked o e dirt wo	and all brush and small timber to be ork begins.
commercial timber is to be cut and cut and removed from the site befor Treatment Area I	stacked o e dirt wo REVEGETAI	and all brush and small timber to be ork begins.
commercial timber is to be cut and cut and removed from the site befor Treatment Area I	stacked o e dirt wo REVEGETAI	ord all brush and small timber to be ork begins. TION Treatment Area II
Treatment Area I Lime 3.0 Tons/ac or correct to pH 6.5 Fertilizer 600 lbs/acr	stacked of edirt wo	Treatment Area II Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre
commercial timber is to be cut and cut and removed from the site before Treatment Area I Lime 3.0 Tons/accordance 600 lbs/accordance (10-20-20 or equivalent)	stacked of edirt wo	Treatment Area II Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent)
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DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

ALLEGHENY PERFORATED; 1st State Haverty Formation - 5083 - 5103; 10 holes (.39)

2nd State, 2nd Riley - 3926 - 3938; 10 holes (.39) 3rd Stage, 1st Riley - 3722 - 3726; 8 holes (.39)

4th Stage, Speechley/Warren - 2832 - 2847; 10 holes (.30)

2534 - 2536; 3 holes (.39)

Halliburton Fractured (1st Stage) 750 gals MOD 202 Acid, 40,000# - 20/40 Sand, 674 BBL Fluid (2nd Stage) 500 gals MOD 202 Acid, 50,000# - 20/40 Sand, 652 BBL Fluid

(3rd Stage) 500 gals MOD 202 Acid, 36,000# - 20/40 Sand, 551 BBL Fluid

(4th Stage) 750 gals MOD 202 Acid \pm 1000 gals Enwar Mix, 50,000# 20/40 Sand,

780 BBL Fluid

WELL LOG

ORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
KB - GL	0	10	Water;
Soil	10	15	,
Sd & Sh	15	715	1/2" stream water @ 45'
Sd, Sh & RR	715	910	
Sand	910	1035	
Sd, Sh & RR	1035	1125	
Lime	1125	1245	1" stream @ 1600'
Injun & Sd	1245	1370	
Sd & Sh	1370		
Gantz	1575	1575	
Sd & Sh	1640	1640	
Sh & RR	1850	1850	Pice Transla
Sd, Sh & RR		2120	The second secon
Sd & Sh	2120	2290	(
Balltown	2290 3030	3030	ili u . Ta ti ka zi . Tanaya
Sd, Sh		3060	
Brown Sand	3060	4090	
Sd & Sh	4090	4105	
Sand Ash	4105	4240	all factor
Sand	4240	4490	The state of the voice
Sd & Sh	4490	4560	
	4560	5070	
Haverty	5070	5100	
Sd & Sh	5100	5365	
3094 3994 1 3094	1 2	3303	
See Attached Sheet For Log Top			
The sacrica sheet for Log Top	S		
		were well	
		- C.	
		- 4 (071) y 3	
		265	

(Attach separate sheets as necessary)

CNG Development Company Well Operator Date: July 23, 1984

Regulation 2.02(i) provides as follows:

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

IV-35 (Rev 8-81)

operator's

Well No. CNGD 1237 JUL 3 0 1984 Bepartment of Mines

July 23, 1984 Date Farm Hugh R. Mitchell API No. 47 -001

Bil und Gas Bivision OIL & GAS DIVISION DEPT. OF MINET OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 1348.23 Watershed Ta	aylor Drai	n	-1 . 1 .	
District: Pleasant County Barbo	our (Quadrangle	Philipp	23.62
COMPANY GVG Development Company	Viet. V			5 No tes
ADDRESS P. O. Box 15746, Pittsburgh, PA 15275	2001	Heed in	Left	Cement
	Casing	Used in Drilling		fill up Cu. ft.
DESIGNATED AGENT Gary A. Nicholas	Tubing	DETITING	TII WELL	Cu. IC.
ADDRESS Rt. 2 Box 698, Bridgeport, WV 26330 SURFACE OWNER Richard L. Keene	Size 20-16			do a ba
0.5 ± 0	Cond.			1.5
ADDRESS Rt. 3 Philippi, WV 26416	13-10"			Add to the
MINERAL RIGHTS OWNER H. R. Mitchell	9 5/8			
ADDRESS	8 5/8	1646	1646	To surf
OIL AND GAS INSPECTOR FOR THIS WORK Phillip Tracy ADDRESS Apt. 24, Elkins, WV 26241	7			12 3 18
	5 1/2			3,000
PERMIT ISSUED 5/25/84	4 1/2	5259	5259	730 sks
DRILLING COMMENCED 6/12/84	3			
6/19/8/	12 1½	3894	3894	
DRILLING COMPLETED 6/18/84	MAN 1.5			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used	n gl this		
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners	1 31 403	oth522	25 feet
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON GEOLOGICAL TARGET FORMATION Haverty Denth of completed well 5365 feet	Liners	Dej		25feet
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON Haverty Depth of completed well 5365 feet	Liners used	Dej	le Tools_	25feet
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON Haverty Depth of completed well 5365 feet Water strata depth: Fresh 170' feet;	Liners used Rotary	Dep x/ Cab fee	le Tools_	e area? No
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON GEOLOGICAL TARGET FORMATION Haverty Depth of completed well 5365 feet Water strata depth: Fresh 170' feet; Coal seam depths: 1600' OPEN FLOW DATA Haverty Again to the strate of the s	Liners used Rotary Salt Is coal	Dep X / Cab fee L being mi	le T∞ls_t ned in th	e area? No
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IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON GEOLOGICAL TARGET FORMATION Haverty Depth of completed well 5365 feet Water strata depth: Fresh 170' feet; Coal seam depths: 170' feet; Coal seam depths: 1600' OPEN FLOW DATA 2nd Riley 434 Producing formation Speechley 437 Gas: Initial open flow Mcf/d	Rotary Salt Is coal	Dep X / Cab fee being mi ay zone denitial ope	le Tools_t ned in th	e area? No - 5103 - 3938 - 3938 - 3938 - 3247 - 2536 fee
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IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED (N) GEOLOGICAL TARGET FORMATION Haverty Depth of completed well 5365 feet Water strata depth: Fresh 170' feet; Coal seam depths: 170' feet; Coal seam dep	Rotary Salt Is coal Oil: If	Dep X / Cab fee L being mi ay zone de nitial open final test ement) aff ay zone de (ay zone de	t med in the system of the sys	e area? No - 5103 - 3938 - 3726 - 2536 fee Bbl/ Bbl/ nours ours shut i
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CNGD Well No. 1237 H. R. Mitchell Barbour County, WV API No. 47-001-2043

ELECTRIC LOG TOPS

	Formation		Тор	Bottom	
345	Big Lime		1145	1247	
365	Big Injun		1247	1360	
345	Berea		1522		
	Gantz			1646	
	50'		1654	1730	
	30'		1784	1810	
419	Gordon Str	ray/Gordon	1855	1950	
. ,	4th		1976	2065	
	5th		2076	2166	
	Warren		2506	2540	
432			2816	2852	
	Balltown		2924	3116	DIFCELVIFIC
	Bradford		3258	3372	
434			3720	3943	JUL 3 0 1984
435	Benson		4155	4176	*
4	Benson "F	п	4190	4220	OIL & GAS DIVISION
	1st Elk		4362	4447	DEPT. OF MINL
	2nd Elk		4530		
437	Haverty		5080	5110	

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 60/-204	3			Oil or	Gas Well	
Company C.N.G.	Drelopment	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACE	(ERS
Address	, , , , , , , , , , , , , , , , , , , ,	Size				ack are in
Farm Richard	Hene	16			Kind of Pac	ker
1110		13			-	
Well No. 7/8		10			Size of	er retain .
District Hessen	County Berbaur	81/4				
D. 1111		65/8			Depth set_	
Drilling commenced		5 3/16				
Drilling completed	Total depth	3			Perf. top	
Date shot	Depth of shot	2			Perf. bottor	n
Initial open flow	/10ths Water inInch	Liners Used			Perf. top	
Open flow after tubing	/10ths Merc. inInch				Perf. bottor	n
Open now after tubing	Totas Merc. Ininch					
Volume	Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
Rock pressure	lbshrs.	NAME OF SER	RVICE COMPA	ANY		
Oil	bbls., 1st 24 hrs.	COAL WAS EN	NCOUNTERED	AT	_FEET	INCHES
Fresh water	feetfeet	FEET	INCI	HES	_FEET	INCHES
Salt water	feetfeet	FEET.	INC	HES	_FEET	INCHES
Drillers' Names						25.700
wasseld armited						
Remarks: Bueloli	in Leaten					
, 555	1					

6-4-84 BATE Thilly Juney DISTRICT WELL INSPECTOR

Form 26 2/16/82

STATE OF WEST VIRGINIA

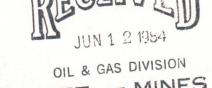
DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANY	36 TO		ADDRESS		100	No. of Sec.
	Lieve Syc.	DISAM.	and the second s			
Filling Material Used					-	
iner Lo	cation	Amou	nt Packer	Loc	ation	
PLUGS USED A	AND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
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HOM TEST	TA (128F)		Aw . 74 (NO) sendente da l'assistant			
Orillers' Names	BWHLYT	The state of the s		5465	56.00	
(HDM)				1823		
Remarks:	and the best of the entire of					
DATE	I hereby certify I vis	ited the above v	well on this date.			

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



DEPT. OF MINES

INSPECTOR'S WELL REPORT

ermit No. 00/-2043				Oil or	Gas Well	
ompany CNG 2	Development	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS	
.ddress	9 /	Size			Kind of Packer_	3-1
Vell No. 418	. Keene	13		Lieuri	Size of	(60)
District pleasonts	County Banbour	81/4	1641.	1641 -	Depth set	
Orilling commencedOrilling completed		5 3/16			Perf. top	
	Depth of shot	2Liners Used			Perf. bottom Perf. top	
Initial open flowOpen flow after tubing	/10ths Water inInch/10ths Merc. inInch				Perf. bottom	
Volume	Cu. Ft.	CASING CEM			No. FT	Date
Rock pressureOil	bbls., 1st 24 hrs		ENCOUNTER	ED AT		INCHE
Fresh water	feetfee			ICHES		INCHE
Salt water	feet fee		TIN	CHES		
Drillers' Names	, y yeary					
Remarks:						
11.						
6/8/84				7 11	Black Jo	01

Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

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DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

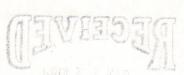


OIL & GAS DIVISION

INSPECTOR'S WELL REPORDEPT. OF MINES

Permit No.001-20	43			Oil or	Gas Well	
Company CMG		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKE	RS
Address		Size				
Farm	Richard Reene	16			Kind of Packe	er
Well No.	±418	13			Sing of	
District Pleasan	ts County 60/	6/9 8 % -	1641.35	1641.35	Size of	
Drilling commenced	6/6/84	65%		(400-H)	Depth set	
Drilling completed	Total depth	5 3/16				
Date shot	Depth of shot	2			Perf. top Perf. bottom_	
Initial open flow	/10ths Water inInch	Liners Used			Perf. top	
Open flow after tubing	/10ths Merc. inInch				Perf. bottom_	
Volume	Cu. Ft.	CASING CEMEN	NTED	SIZE	No. FT	Date
lock pressure	lbshrs.	NAME OF SER				
DiL	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEET	INCHES
resh water	feetfeet					
alt water	feetfeet				FEET	
rillers' Names 5.00.	JACK Rig #21					Con of
emarks:	Plat page					
,	- Bit stock @ 1860		Between i	two how	see,	
6/7 - 6/8	- 4/9(-6/10)					
A District			7	of b. Be		c. /
DATE			June		TRICT WELL INSPE	50 /

Form 26 2/16/82



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

MOISIVID RAD & MOINSPECTOR'S PLUGGING REPORT

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illing Material Used	UMPAN I		DISTRICT		C	OUNTY		
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chopsy Bt stone @ 1860 Return two prome,								
		I hereby certify I	visited the abo	ove well on this da	ite.			
toholey - BI stone & 1860 Between two house,	DATE	1 1101009 0010119 1						
I hereby certify I visited the above well on this date.								

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

DEPT. of MINES

INSPECTOR'S WELL REPORT

3-/2				Gas Well	
6	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACK	ERS
	Size			12-11-15	
	16			Kind of Pac	ker
16				STEEL PARTY	
18	10	NET TO THE STATE OF	CHECK TO SE	Size of	44,445
County	81/4				
	65%			Depth set_	
	5 3/16				
Total depth	3			Perf. top	
Depth of shot			7777	Perf. botton	m
/10ths Water in	Inch Liners Used				m
/10ths Merc. in	Inch			7	
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	_feetFEE	TINC	CHES	FEET	INCHE
TUCK & 1860 POLLARS, CA Rig 10'	21 0 - Shot endanted				Ari
		Casing and Tubing	CASING AND TUBING Size 16. 13. 10. 814. 656. 5 3/16. 3. Depth of shot. //Oths Water inInch //Oths Merc. inInch Cu. Ft. CASING CEMENTED. NAME OF SERVICE COMP. Liners Used COAL WAS ENCOUNTERE feetfeetFEETINC. ACR Rig #2/ VER @ 1860 - 5461 187 2 20 //Ang, Candan/Tab To To. Rig 10.	CASING AND TUBING DRILLING LEFT IN WELL Size 16.	CASING AND TUBING BRILLING LEFT IN WELL Size 16. Kind of Pace 13. Size of 10. Size of 10

Form 26 VIII 30 3100

DEPT. OF MINES

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

OMPANY	9.23		ADDRESS		
ARM		DISTRICT _		COUNTY	
illing Material Used					
iner Loc	ation	Amou	nt Pack	ter Loc	cation
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TUBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCA	TION RECOVERED	SIZE LOS
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illers' Names					
marks:					
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DATE					

DEPARTMENT OF MINES





00/-Permit No. 2043-R

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Oil or Gas Well_ (KIND) CASING AND TUBING USED IN LEFT IN PACKERS Company Size Address_ Kind of Packer___ Well No ... Size of____ County OC District_ Depth set____ Drilling commenced_ 5 3/16_ Drilling completed____ _Total depth_ Perf. top____ Depth of shot Date shot___ Perf. bottom____ Perf. top___ Liners Used_ Initial open flow___ _/10ths Water in_ _Inch Perf. bottom_ Open flow after tubing____ _____/10ths Merc. in____Inch Volume_ Cu. Ft. CASING CEMENTED____ _SIZE_____No. FT.____Date NAME OF SERVICE COMPANY lbs. Rock pressure_ hrs. bbls., 1st 24 hrs. COAL WAS ENCOUNTERED AT____ FEET Fresh water_ feet INCHES_ FEET feet FEET_ INCHES Salt water_ FEET. INCHES FEET_ _INCHES NED 2ND HOL Remarks:

6/13/84

Beall-501

Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANY	E 193		ADDRES	S			- N. 10 718
FARM		_ DISTRICT _		C	OUNTY	1882 1882	
		8,80 20	526, 147				
Filling Material Used			428				
iner Loc	cation	Amou	nt	Packer	Loc	ation	200
	AND DEPTH PLACED		BR	IDGES	CASIN	G AND TU	BING
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Drillers' Names							
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Remarks:							
	I hereby certify I visit	ed the above w	vell on this date	2.			
DATE							

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 00/- 2		Milloys	Oil or Gas Well			
Company C.A	1.6-	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PAG	CKERS
Address		Size				Title Marya
Farm Mit a	hell	16		Treff.	Kind of Pa	icker
Well No. #4/8	F	13				
District	County OO/	81/4			Size of	
Orilling commenced		6%			Depth set_	
Orilling completed	Total depth	5 3/16				
	Depth of shot	3			Perf. top	
		Liners Used			Perf. botton	
	/10ths Water inInch				Perf. top Perf. botton	
	/10ths Merc. inInch				Terr. botton	n
olume	Cu. Ft.	CASING CEMEN	TED	_SIZE	No. FT	D
ock pressure	lbs,hrs.	NAME OF SERV	VICE COMPAN	ΛĀ		
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alt water	feetfeet	FEET_	INCHE	ES	FEET	INCHI
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DATE	-				DISTRICT WELL	INSPECTO

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

INSPECTOR'S PLUGGING REPORT

EPT. OF MINES			_ ADDRESS	DITV		NAME OF TAXABLE PARTY.	
MPANY		DISTRICT	ADDRESS COU	UNIY		70 (00) (7.0)	
MPANY —		DISTRICT					
ARM	3.3850					8.80	
. 1 Head	D. dear				Location		
illing Material Used	Allio			CASING AND TUBING			
Location		BRIDGES	SIZE SIZE		LOST		
iner PLUGS USED AN	ID DEPTH PLACED	LEAD	CONSTRUCTION-LOCATION				
CEMENT-THICKNESS	WOOD-SIZE	LEAD	100	10			
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Drillers' Names							
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Remarks:							
and the second							
			e above well on this date.				
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DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT Permit No 001-2043-R

OIL & GAS DIVISION

DEPT. OF MINES

			Oil o	r Gas Well
16-	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
	Size			- Land of the letter the golds
checc	16			Kind of Packer
418	13			
County			Prince of Links of the	Size of
				Depth set
	5 3/16			Depth set
	3			Perf. top
				Perf. bottom
	1			Perf. bottom
			1	
	NAME OF SERV	ICE COMPAN	SIZE	No. FTDat
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	FEET_	INCHES	F	EETINCHES
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al Garning	in characteristics	1-1	/,	
99 GIADIN	g una	pits	fills	10
		Size 16 13 10 8½ 6½ 5 3/16 Total depth Depth of shot 2 Liners Used /10ths Merc. in Inch /10ths Merc. in Inch Cu. Ft. CASING CEMENY NAME OF SERV NAME OF SERV feet feet FEET FEET FARY MARCER	Size 16 13 10 81/4 65/6 53/16 3 Depth of shot 2 Liners Used /10ths Water in Inch /10ths Merc. in Inch Cu. Ft. Casing Cemented NAME OF SERVICE COMPAN NAME OF SERVICE COMPAN feet feet feet feet feet feet FEET INCHES ARA MARCESE	CASING AND TUBING DRILLING LEFT IN WELL Size 16

PE Beace DISTRICT WELL INSPECTOR Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

mit No.			ADDRESS .			100	so bold similar
RM		DISTRICT _		C	OUNTY		
ARIVI	20°77 2011		4,21		11 Cm		
ling Material Used							
				Packer	Loc	ation	
ner Loca		Amour	BRID		CASIN	G AND TUE	BING
PLUGS USED AI	ND DEPTH PLACED			ION-LOCATION	RECOVERED	SIZE	LOST
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCT	Total Louisian			
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				10.00 personal control of 12 Ct 1757 / 2	20.		A STATE OF THE STA
				3-53	20 (180)		- P
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28.70	and the second second second	THE DOMES		The second second			
Drillers' Names					140		9 109
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Remarks:							
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DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 001-2043		Oil or Gas Well							
Company CN	Ç	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PAC	KERS			
Address		Size			1000				
Farm Mitch	ell	16			Kind of Pa	cker			
Well No. 4	18	13			Size of				
District	County/	81/4							
Drilling commenced		65%			Depth set_				
Drilling completed	Total depth	3			Perf. top_				
Date shot	Depth of shot	2			Perf. botto	m			
Initial open flow	/10ths Water inInch	Liners Used			Perf. top				
Open flow after tubing	/10ths Merc. inInch				Perf. botto	m			
Volume	Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date			
Rock pressure	lbs,hrs.	NAME OF SEF	RVICE COMPA	ANY					
Oil	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES			
Fresh water	feetfeet	FEET	INCI	IES	FEET	INCHES			
Salt water	feetfeet	FEET.	INC	IES	_FEET	INCHES			
Drillers' Names						28.62			
Remarks: Kou	gh graded_								

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Form 26 2/16/82

STATE OF WEST VIRGINIA

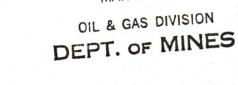
DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

ARMDISTRICTCOUNTY	COMPANY							981 118
iner Location Amount Packer Location PLUGS USED AND DEPTH PLACED BRIDGES CASING AND TUBING CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOST	FARM		DISTRICT .		C	OUNTY		
iner Location Amount Packer Location PLUGS USED AND DEPTH PLACED BRIDGES CASING AND TUBING CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE LOST		7.58 W 1946		118/11/11) /		
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Drillers' Names	PLUGS USED A	ND DEPTH PLACED		BRI	OGES	CASIN	G AND TU	BING
UNIO SERVICIO DE LA CONTRACTOR DE LA CON	CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUC	TION-LOCATION	RECOVERED	SIZE	LOST
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UNICO SERVICE								
	Orillers' Names							
						A STATE OF THE STA	Contract of the same	Sales and Sales
	DATE	I hereby certify I vi	sited the above v	well on this date.				
I hereby certify I visited the above well on this date.								





State of West Virginia Department of Mines (Dil and Gas Division Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT September 12, 1984

evelopment Company	PERMIT NO
746	FARM & WELL NO Richard Keene #1237
Pennsylvania 15275	DIST. & COUNTY Pleasant/Barbour
	IN COMPLIANCE
DESCRIPTION	YES NO
red Permits at Wellsite ate Fresh Water Casing ate Coal Casing ate Production Casing ate Cement Strenght t Type ained Access Roads sary Equipment to Prevent Wast imed Drilling Pits rface or Underground Pollution	te U
	ering Pipelines
ED THE ABOVE CAPTIONED WELL AN	SIGNER DOUBLE BE RELEASED: DATE 3-5-85
2, Article 4, Section 2, the a	Administrator-Oil & Gas Division March 12, 1985 DATE
	DESCRIPTION ication Prior to Starting Work red before Drilling to Prevent Pressure Drilling red Permits at Wellsite ate Fresh Water Casing ate Coal Casing ate Production Casing ate Cement Strenght t Type ained Access Roads sary Equipment to Prevent Wass imed Drilling Pits rface or Underground Pollution rements for Production & Gathe Records on Site Records Filed ification Markings ED THE ABOVE CAPTIONED WELL AN ard was received and reclamation

TMS/nw

SEP 27 1984

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FO	DR WELL CLASSIFICATION
Date: Aug. 24 ,19 84	AGENCY USE ONLY
Applicant's Name: CNG Development Company	WELL DETERMINATION FILE NUMBER
Address: One Park Ridge Center P.O. Box 15746	The state of the s
Pittsburgh, PA 15244	840904 -103 -001 - 2043
Gas Purchaser Contract No. N/A	Use Above File Number on all Communications Relating to This We
Date of Contract N/A	
(Month, day and year)	
First Purchaser:undetermined	Designated Agent: Gary A. Nicholas
Address:	Address: CNG Development Company Crosswind Corporate Park
(Street or P.O. Box)	Route 2 Box 698 Bridgeport, WV 26330
(City) (State) (Zip Code)	20000
- Like Setter code	FERC Buyer Code
NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNED ADDRESSED:	NING THIS APPLICATION SHALL
Name: Robert N. Mextler	Manager of Reserves
Signature:	(Title)
	_
(Street or P.O. box)	
Pittsburgh, Pa 15244 (City) (State)	(Zip Code)
Telephone: (412) 787-4092	
(Area Code) (Phone (Certificate of Proof of Service to Purch	
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	108- Stripper Wall
102-4 New Onshore Reservoir	108-1 Seasonally Affected 108-2 Enhanced Recovery
103 New Onshore Production Well X 103 New Onshore Production Well	108-3 Temporary Pressure Buil
107 High Cost Natural Gas 107-0 Deep (more than 15,000 feet)	AGENCY USE ONLY
107-1 Geopressured Brine 107-2 Coal Seams	
107-3 Devomian Shale	APPROVED
107-5 Production enhancement 107-6 New Tight Formation	ATTROVED
107-7 Recompletion Tight Formation	OCT -2 1984
eceiven	
	Marian marianti dell'altri
SEP - 4 1984	

DEPT. OF MINES
Date Received

OIL & GAS DIV.

Determination Date

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

1.0 API well number: (If not assigned, leave blank, 14 digits.)	47	- 001 - 0204	3 -	
2.0 Type of determination being sought:				
(Use the codes found on the front		102	4	
of this form.)	THE THE PARTY OF T	Section of NGPA	Category Code	
3.0 Depth of the deepest completion		1 - FRO 16-15 - 10 - 10 N	The same of the sa	
location: (Only needed if sections 103	!	5103	feet	
or 107 in 2.0 above.)			API 100 100	
4.0 Name, address and code number of				
applicant: (35 letters per line	CNG Developmen	t Company	State L. Company	
maximum. If code number not	Name One Park Ridge	The state of the s		Seller Code
available, leave blank.)	P. O. Box 1574			
	Street	Table 1 (200)		
	Pittsburgh	F	PA 15244	
	City	Sta	te Zip Code	
5.0 Location of this well: [Complete (a)				
or (b).]	Pleasant Dist.			_
(a) For onshore wells	Field Name		,	
(35 letters maximum for field	Barbour	W	<u>v</u>	
name.)	County	Sta	The second of th	
(b) For OCS wells:	i			
	1			
	Area Name		Block Number	er
		,		
		Date of Lease:		
		1 1 1 1 1		
	I Mo.		OCS Lease Number	
(c) Name and identification number	Mo.	Day 11.	OCO LIGIT HUMBER	
of this well: (35 letters and digits	i u n n was sa		CNGD #1	237
maximum.)	Hugh R. Mitche	11	(444) #1	
(d) If code 4 or 5 in 2.0 above, name	-			
of the reservoir: (35 letters				
maximum.)	+			
6.0 (a) Name and code number of the	1			
purchaser: (35 letters and digits	1			
maximum. If code number not	Undetermined			Buyer Code
available, leave blank.)	Name			Buyer Code
(b) Date of the contract:	i			
	!			
		Mo. Dey	Yr.	
(c) Estimated total annual production		9		Large Street of the
from the well:	i -		Million Cubic	reet
	!		(c) All Other	
	1	1617		(d) Total of (a),
	(a) Base Price	(b) Tax	Prices [Indicate	(b) and (c)
			(+) or (-).]	
7.0 Contract price:				
(As of filing date. Complete to 3	S/MMBTU			
decimal places.)				
8.0 Maximum lawful rate:			a complete the complete of the	
(As of filing date. Complete to 3	S/MMBTU 3 7 9	7		
decimal places.)				
9.0 Person responsible for this application:	1	0	Manager F	Pacarvas
	R. N. Metzler	1/	manager r	VE361 VE3
Agency Use Only	Name / / /// (1)	Z	Title	
Date Received by Juris, Agency	VX-11-Mest	6		
	Signature			
	Signature		412-787-	1092
Date Roce Lett by FERC 1984	Signature 10/03/84 Date Application is Comple	ted	Phone Number	4092

Are there any records not reasonably available to you which may contain information relevant to a determination of eligibility? Yes No X. If yes, identify such records and indicate their location, if known:

STATE OF MINES, OIL AND GAS CTUISTING

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DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: October 3 ,19 84	AGENCY USE ONLY
Applicant's Name: CNG Development Company	WELL DETERMINATION FILE NUMBER
Address: One Park Ridge Center P.O. Box 15746	
Pittsburgh, PA 15244	841009 -102 -001 - 2043
Gas Purchaser Contract No. N/A	Use Above File Number on all Communications Relating to This Wel
Date of Contract N/A	
(Month, day and year)	
First Purchaser:undetermined	Designated Agent: Gary A. Nicholas CNG Development Company
Address:	Address: Crosswind Corporate Park Route 2 Box 698
(Street or P.O. Box)	Bridgeport, WV 26330
(City) (State) (Zip Code) FERC Seller Code	FERC Buyer Code
NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNED ADDRESSED:	NING THIS APPLICATION SHALL
Name: Robert N. Metzler	Manager of Reserves
Signature: (Print) Meste	(Title)
Address: One Park Rigge Center - P.O. E	Box 15746
(Street or P.O. Box) Pittsburgh, PA 15244	The state and the second disconnection of the state of th
(City) (State)	
Telephone: (412) 787-4092 (Area Code) (Phone	Number)
(Certificate of Proof of Service to Purch	
NGPA Catagory Ap	
NGPA SECTION/SUBSECTION	•
102 New Natural Gas	108 Stripper Well Natural Gas
102-2 2.5 Mile Test 102-3 1000 Foot Deeper Test	108- Stripper Well
x 102-4 New Onshore Reservoir	108-1 Seasonally Affected 108-2 Enhanced Recovery
103 New Onshore Production Well 103 New Onshore Production Well	108-3 Temporary Pressure Russ
107 High Cost Natural Gas	AGENCY USE ONLY
107-0 Deep (more than 15,000 feet) 107-1 Geopressured Brine	No
107-2 Coal Seams	Qualified for
107-3 Devonian Shale 107-5 Production enhancement	Qualified for
107-6 New Tight Formation 107-7 Recompletion Tight Formation	
RECEIVED	
OCT - 9 1984	QUALIFIED
OIL & GAS DIV.	OUALIFIE
DEPT. OF MINES	

FORM IN (Reverse [12-78]		
		any other information which would tend to be inconsistent with the information specified about. If yes, indicate the type and source of the information:
	as natural	gas produced from the reservoir in commercial quantities prior to April 20, 1977? Yes
2) Wa	as the reser ny other res	voir penetrated by an old well from which oil or gas was produced in commercial quantities frequency. Yes $\underline{\hspace{1cm}}$ No $\underline{\hspace{1cm}} X$
3) If	the answer	r to 2) is "yes," could natural gas have been produced in commercial quantities prior 7, from any old well so indicated? Yes No
4) If on	the gas is April 20,	to be produced through an old well, were suitable production and gathering facilities available 1977? Yes No
de	termination	to 3) or 4) is "yes," attach a separate sheet explaining why you believe the well, for which is sought, can be qualified as a new onshore reservoir well and include any information whi your conclusion.
		AFFIDAVIT
hereinbe	tion contain efore descr	N. Metzler , having been first sworn according to law, state that I have caused to search of those records hereinbefore indicated in the manner herein described, that the ned in this document is true and accurate and that on the basis of the records and examination ibed, and to the best of my information, knowledge and belief, the well for which thought is a well producing from a new onshore reservoir.
		R.M. Melle
STATE OF	Pennsyl	
COUNTY O	Allegh	eny, to wit:
	I, Yvon	nne T. Green, a Notary Public in and for the state and county aforesaid, do certif
that R	obert N	. Metzler, whose name is signed to the writing above, bearing date the 3rd day of
Octo	ber,	19 84, has acknowledged the same before me, in my county aforesaid.
		er my hand and official seal this $\frac{3rd}{day}$ day of $\frac{0ctober}{}$, 19 84.
		f office expires on the 25th day of May , 1987 .
	72,	

BOTTOM HOLE PRESSURE DATA

*YVONNE T. GREEN, NÖTARY PUBLIC * PITTSBURGH, ALLEGHENY COUNTY, PA. MY COMMISSION EXPIRES MAY 25, 1987

Notary Public

Indicate the bottom hole pressure of the well and explain how this was calculated:

BHP = 1,428#

[NOTARIAL SEAL]

BHP = $P_{-1} + P_{-1}$ (e GL 53.34 T₋₁)

WELLS

THAT

ARE WITHIN A

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OF

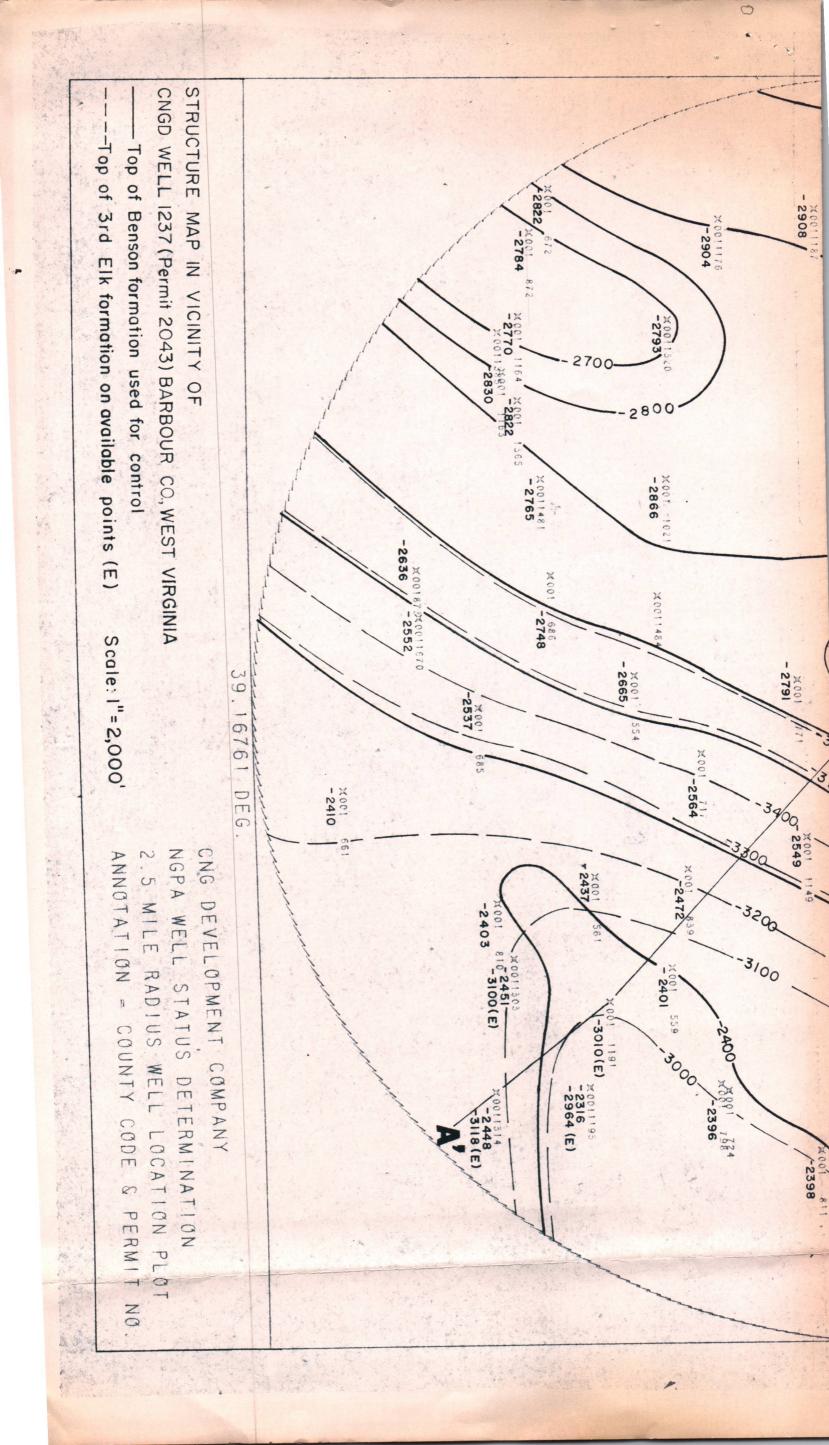
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70 70 71 72 73	20000	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5													The second second second second			-			

C

WELLS THAT ARE WITHIN A 2.5 MILE RADIUS OF

1237 (CONT.)



Formation Sg Ft/Ac in M	Acreage Factor	Pay Thickness	Porosity	Gas Saturation	Pressure Factor	Recovery Factor	% of Production	
WARREW = 43.56	х ЧО	х 3	x .09	THE SECRET SHEET, AND	x 14.73	X .85	= २५,७१९	Ger
Consideration of the Constitution of the Const	х цо	. x 15	_X .08	x .65	x 98.44	X .85	-113719	103 103
RICEY = 43.56	х 40	x 4	20. x	x .57	x 98,44	X .85	= 19,945	
RILEY = 43.56	х 40	хз	80. x	x .53	x 98,44	X .85	= 18,545	
RILEY = 43.56		SECTION OF THE SECTIO				是15000000000000000000000000000000000000	= 11,097	
3 PA ELK = 43.56	х 40	x 2	х .ос	x .50	x 98.44	X .85	= 8,748 }	109 NGL
3 PO EUR = 43.56	- · - х 40					X .85	= 5,832	7
= 43.56	х Х	X	X	X	X	X .85	909' P10	



October 3, 1984



OIL & GAS DIV. DEPT. OF MINES

Lonnie Carpenter Office of Oil & Gas Charleston, WV 25311

Dear Mr. Carpenter:

According to our records the twenty-nine marker wells within 2½ mile radius of CNG Development Company Well #1237 (permit # 2043), Barbour County, WV did not produce gas from the 3rd Elk formation. Therefore, 7% of the total commingled production assigned to the 3rd Elk formation in well #1237 should qualify for NGPA Section 102, category 4 (New Reservoir) pricing.

Please call if you need additional information.

Respectfully submitted,

Robert N. Metzler

Manager Reserves

RNM/col

TABULATION OF MARKER Wells indicate That TOTAL Depth of ALL does NOT penetrate 3rd ELIC Formativa et 5083 . Theerefore should quely as Section 102-4

