

1)	Date:	May 24	, 19_84
2)	Operator's Well No.	412	FORMITY 2(B)
2)	ADI Wall No	47 - 001	- 2086

County

Permit

State

-2(B)	FILE COPY					

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

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B (If "Gas", Production X U									
5) LOCATIO									-26.A)
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Addres	s c/o P	aul W.	Garre	ett.	P.O. Bo	x 15746	Address		orporate Park
	P	ittsbu	rgh.	PA 1	5244		Rt. 2. E	ox 698. Bride	geport, WV 26330
OIL & GA							) DRILLING C		
Name	Mr. Phi	llip T	racy			A second and	Name _San	Jack Drillin	ng Company
Addres	s Fores	t Fest	ival	Terra	ce, Apt	. 24	Address		
	_E]	kins,	WV 26	5241				Buckhannon,	WV 26201
PROPOSI	ED WELL	WORK:	Drill_	X	/ Drill	deeper	_/ Redrill	/ Stimulate	10)5(C) 31/4/2
							te new formation		W. C.
									1001 A 1001
GEOLOG	ICAL TAR	GET FOR							MAY 3 1 1300
12) Estim	ated depth	of complet	ed well,	53	75	feet			OIL & GAS DIVISIO
13) Appr	oximate tra	ta depths:	Fresh, _	412,	1710	feet; salt,		feet.	OIL & GAS DIVISIO
							being mined in th	e area? Yes	DEPTO ON MIN
CASING	AND TUB	ING PRO	GRAM	195-	198, 42	0-425			
ASING OR	1		CIFICATION		- 11	FOOTAGE IN	TERVALS	CEMENT FILL-UP	PACKERS
UBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
nductor					- V - 19				Kinds
sh water	11 2/	4 H-40	42	v		20	30	To surface	By Rule 15.05
ıl	11-3/	1 11-40	42	X		30		To surrace	Sizes
ermediate	8-5/8	X-42	23	X	97.7	1750	1750	To surface	By Rule 15.05
duction	4-1/2		10.5	X		5375	5375	200-400 sks.	
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	47-0	001-208	36					June 19,	
mit number	77.0	701 200	30						ompletion of the drille
a narmit cou	ering the w	ell operato	or and we	Il locatio	n chown he	low is avidence o	f normission grant		ace with the pertinent legal re-
rements subj	ect to the c	onditions of	contained	herein a	nd on the re	everse hereof. Noti	fication must be g	iven to the District Oil	and Gas Inspector, (Refer to
8) Prior to t	he construc	tion of ros	ads, locati	ons and	pits for any	permitted work.	In addition, the w		tractor shall notify the proper
rict oil and	gas inspecto	or 24 hours	s before a	ctual pe	rmitted wor	k has commenced	.)		
	vork is as d	escribed in	the Notic	e and A	pplication,	plat, and reclamat	ion plan, subject	to any modifications a	nd conditions specified on the
erse hereof.	June	19, 1	1986						
mit expires		,				unless well v	vork is commenced	prior to that date and	prosecuted with due diligence
		1							THER INSPECTIONS
Bond:	Agen	it: I	Plat:	Casin					
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TE: Keep	one conv of	this norm	it nosted	at the di	rilling locati	on	Adm	inistrator, Office of	ni and Gas
IL. Reep (	one copy of	cins perm	ne posted	at the di	ming rocati				File

File

FILE COPY



PULE COPY

FORM (V-2(B)

(Obyetas)

STATE OF WEST VIRGINIA

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-26A)	THU	Taylor Dre			300.00			S) LOCATION
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By Blain 15.03		O. I.						
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See the reverse side of the APPLICANT'S COPY for instructions to the well 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 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-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 § 22-4-12b and Regulation 23, (iv) 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 cath 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
Hillman Coal & Coke Company	CNG Development Company	1/8	100 1

this day of way

My commission expires 5/75

Abtary Public, alleghency County, State of Jennsylvania

Juoune T.

	Date:	May 8	,1984
2)	Operator	's	
	Well No.	412	
3)	API Well	No. 47-00	21-2086
			County Permit

Pittsburgh, PA 15244

Telephone 412-787-4090

YVONNE T. GREEN, NOTARY PUBLIC

PITTSBURGH, ALLEGHENY COUNTY, PA.

MY COMMISSION EXPIRES MAY 25, 1987

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

	DEPARIMENT OF MINE	S, OFFICE OF OIL & GAS
	NOTICE OF APPLICATIO	N FOR A WELL WORK PERMIT
	ER(S) OF RECORD TO BE SERVED	(-)
(i) Name Ty	ygart Fast, Inc. c/o Hillman	Coal & Coke CAddress
Address	1000 Coast Building	Coal & coke co.
ALLIESS_	1900 Grant Building	5(ii) COAL OWNER(S) WITH DECLARATION ON RECO
/::\ \\	Pittsburgh, PA 15219	Name Hillman Coal & Coke Company
(ii) Name		Less Address 1900 Grant Building
Address	and the second of the second o	
		Lower Kittanning Pittsburgh, PA 15219
(iii) Name		Name Royal Land Company
Address		Address 455 Race Track Road
		Lower Kittanning <u>Meadowlands</u> , PA 15347
		5(iii) COAL LESSEE WITH DECLARATION ON RECORD
•		Name Kitt Energy
		Address 69 West Washington
		Lower Kittanning Chicago, IL 60602
	TO THE PERSON(S) NAMED ABOVE: You show	ald have received this form and the following documents:
	(1) The Application for a Well Wor	ck Permit on Form IV-2(B) (or Form IV-4 if the well is
	to be bludded, which sets out	the parties involved in the drilling or other work, s location and, if applicable, the proposed casing and
	CHIEFILLIG DIOGIAM:	
	(2) The plat (surveyor's map) show	ring the well location on Form IV-6; and
	plus a well), which sets out	on Plan on Form IV-9 ) unless the well work is only by ECELL the plan for erosion and sediment control and for
	reclamation for the site and a	access road.
	THE REASON YOU RECEIVED THESE DOCT	MENTS TO THE WAY THE PLANTS THE PROPERTY OF TH
	WALLE ARE SUMMARIZED IN THE "INSTRICTION	NS" ON THE DEVELOPE CITY OF THE CORY OF THE ADDRESS OF A 1 1 124
	ACTION AT ALL.	CO. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY
		of the West Virginia Code, the undersigned well . OHL & GAS DIVISION
	erator proposes to file or has filed th	of the West Virginia Code, the undersigned well op-
	for a Well Work Permit with the Adminis	his Notice and Application and accompanying documents EPT. OF MINE strator of the Office of Oil and Gas, West Virginia EPT.
	bedding of Mines. With respect to a	well at the location described on attached application pies of this Notice, the Application, the plat, and the
	CONSTRUCTION AND RECLAMATION PLAN NAVE	hoon mailed by registered on semified
	by that we the berschis) named above to	T by minication in compain disconnection
	before the day of mailing or delivery to	o the Administrator.
	6) ECTRACTION RIGHTS	
	Check and provide one of the following	<b>ा</b>
	Included is the lease or leases or	r other continuing contract or contracts by which
A The	I hold the right to extract oi	or gas. (1) through (4). (See reverse side for specifics.)
a many 1/23		(1) disagn (4). (See reverse side for specifics.)
100 CON 100 CO	7) ROYALTY PROVISIONS	
	or other contract or contracts provide	market the oil or gas based upon a lease or leases ding for flat well royalty or any similar provision
2 3	tor compensation to the owner of the	oll or das in place which is not inhometer unland
	to the volume of oil or gas so extra	tted, produced or marketed? Yes (No.
	If the answer above is No. no	othing additional is needed. If the answer is Yes,
	you may use Affidavit Form IV-60.	12 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
A STATE OF THE		
	See the reverse side for line it	em instructions, and for instructions concerning
	Reclamation Plan.	se and Application, plat, and Construction and
The truth of t	the information on the	WELL
	olication is verified	
	and the Notice is	OPERATOR CNG Development Company
	alf of the Well Operator	Pro Day III Bancott
		By Man W, Garrell
in my County a		Its Manager, Well Programs, Paul Garrett
Paul P	arrell	Address P. O. Box 15746

#### SURFACE OWNER'S COPY



1)	Date:	May 24		, 19
2)	Operator's Well No.	412		
3)	API Well No.	47		
-		Ctoto	Country	Donnit

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

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4) WELL TY					/		/ Down	/ Ch-II V 0	
5) LOCATIO		f "Gas", I	Production	50	Watershed	ind storage		/ Shallow/)	
5) LOCATIO			Teasan	t	County:	Barbour	MARKET STATE OF THE STATE OF TH	Philippi 7.5' (1	977)
6) WELL OP			evelop	ment C	Company		DAGENT ME		
Address	8 8	aul W.	Garre	tt. P.	0. Box 15746	Address		orporate Park	
	The second secon	ittsbu	rah. P	A 152	44	Rt. 2, 1	30x 698. Brid	geport, WV 2633	0
8) OIL & GA	S INSPEC	TOR TO	BE NOTIF	IED		9) DRILLING C	ONTRACTOR:		
Name	ir. Phi	11ip T	racy			Name San	Jack Drilli	ng Company	
Address	The second second	t Fest	ival I	errace	. Apt. 24	Address	P. O. Box 4	8	
	E1	kins.	MV 26	241			Ruckhannon,	WV 26201	
10) PROPOSE	D WELL	WORK:	Drill	X	Drill deeper	/ Redrill	/ Stimulate	THE PETT	PI
			Plug of	f old forn	nation/ Pe	rforate new formation		IN COCO	CI
					inge in well (specify)_			100	
11) GEOLOGI	ICAL TAR	GET FOR	MATION,	Ha	verty			MAY 3 1 193	4
12) Estima				03/0	9790	feet		DAG DIVIII	01011
13) Appro				41C.	No company of the com	salt,	feet.	OIL & GAS DIVIS	SIUN
14) Appro				105_10	0 420-425	s coal being mined in the	e area? Yes	DEPTO OF MI	NE
15) CASING A	AND TUBI			150-15	0, 420-423		**	11	
CASING OR TUBING TYPE		SPEC	IFICATIONS Weight	9393 J		GE INTERVALS	OR SACKS	PACKERS	
	Size	Grade	per ft.	New U	sed For drilling	Left in well	(Cubic feet)		
Conductor	22 01	a H.Ao	40			30	To surface	Ry Pula 15 05	
Fresh water	11-3/	G FIRST	8.2	A	30	30	IO SULTACE	Sizes	_
Coal	8-5/8	X-42	23	Х	1750	1750	To surface	Ry Pula 15 A5	
Production	4-1/2	J-55	10.6	X	5375	5375	200-400 sks	Depths set	_
Tubing	1-1/2	CN-55	2.75	X		0070	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Rv Rule 15.01	
Liners								Perforations:	
Lines								Top Bottom	
						owever, the permit can			
					owner(s) of record sig	n(s) the following "Vol	untary Statement of N	lo Objection'	
	on a racsi	mile of thi	s surrace (	owner's co	py of the Application				
				VOLU	NTARY STATEMEN	T OF NO OBJECTIO	N		
however the back	A Anti-					11 - 641 4 - 11 - 4	' C 337-11 3371- Y	Name to the state of the state	
								Permit, and that I have receive Form IV-2(B), (3) a survey p	
						l for proposed well wo			, at
								mit being issued based on th	ose
materials.									
(For avacution b	w cornerat	ion partne	archin etc	,		For execution by natur	ral nersons)		
(For execution b	by corporat	ion, partne	ersinp, etc.	,		(For execution by natur	ai persons)		
NAME:	Tyga	nt E	ast	, dr	c.			Date:	
Ву	14:01	un si s	RX	(ohl		(	Signature)	Date.	
Бу	C 0	· 1			M 251001			Date:	
Its	Geol	ogist	_	Date_	May 25, 1984	(	Signature)	Date:	

# INSTRUCTIONS TO SURFACE OWNERS AND EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT ON OIL AND GAS WELL WORK PERMIT

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

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

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

Where to file comments and obtain additional information:

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

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

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

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

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

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

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

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

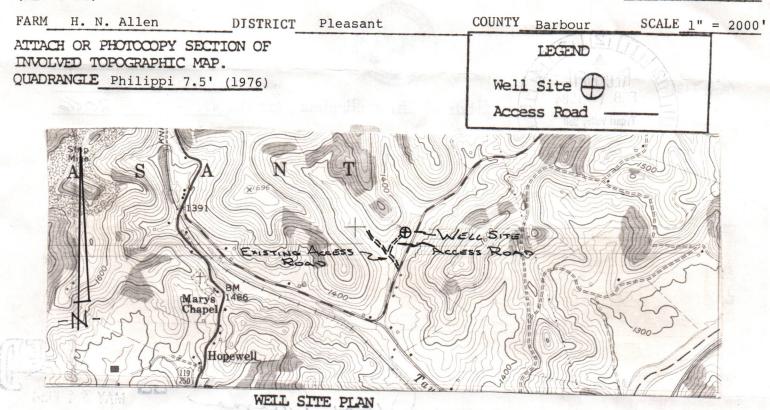
List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.



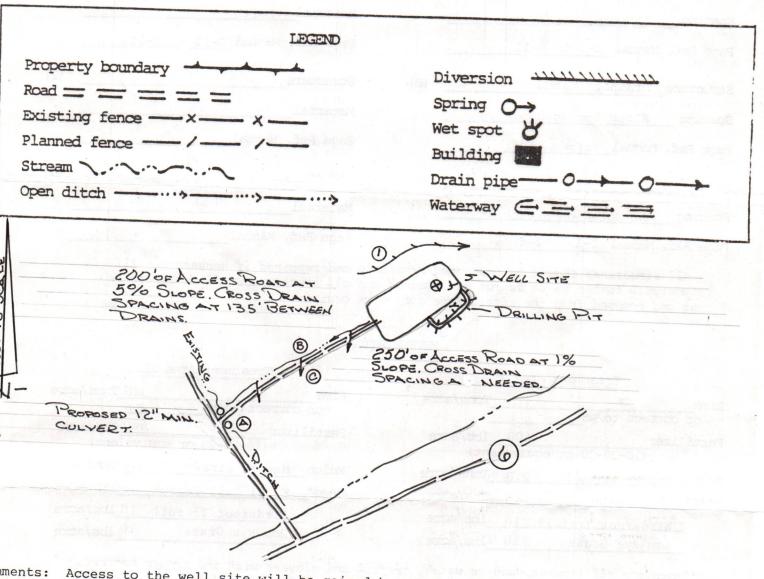
1) Date:	May OA		. 19 04
2) Operator's Well No.	412		01
3) API Well No.	47		
	State	County	Permit

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

4) WELI	TYPE: A	A Oil		Gas	. The state of the		TOK II W	ELL WORK PERM	<u></u>	
	1	B (If "Ga	s", Produc	tion	X	_/	Hardy			
5) LOCA	TION:	Elevation	n:		X		Watershed:	nd storage	/ Deep	/ Shallow/)
		District:		360.1	00		County:	Taylor	Orain	
	OPERAT		Pleas	sant				Barbour	Quadrangle	Philippi 7 51 /3075
Add	dress	CN	G Deve	opme	ent Co	ompan	y	7) DESIGNAT	ED AGENT	Gary Nicholas
8) 011 0	C/2	Dian Dian	W. Gar	reti	, P.1	). Bo	× 15746	Address	Crosswind	Corporate Park
Name	GAS INSI	PECTOR 7	O BE NOT	<b>FIFIED</b>	1524	14		9) DRILLING	CONTRACTOR:	Idgeport, Wy 26330
	ressMr.	Phillip	p Tracy	,				Name	CONTRACTOR:	
	Fo	rest F	estival		race,	A mide	-00	Address	um Jack Drill	ing Company
10) PROPO			p latel	9695	Tace,	npt	- 64		P. O. Box	48
	-LD WEI	L WORK		9.8	_/ D	rill	deeper	/ Redrill	/ Stimulate_	ENGINEER STREET
			Other	off old	format	ion	/ Perfo	orate new formation	/ Stiffulate	HONE (CETIAL EL
11) GEOLO	GICAL TA	ARGET FO	RMATION	J	l change	e in wel	l (specify)			MO
12) Esti	mated dept	th of compl	eted well		Hav	erty				44 7 1 100 1 C
13) App	proximate to	rata depths	: Fresh		5375		feet			W/A* 3 1 1354
14) App	roximate c	oal seam de	enthe.	417	2, 1		_feet; sal		feet.	OIL & GAS DIVISION
13) CASING	AND TU	BING PRO	OGRAM	55-1	08, 1	35-13	19, Is co	oal being mined in the	e area? Yes	- CND - BALLE
CASING OR TUBING TYPE		SPE	CIFICATION	s 19!	5-198	, 420	)-425			DEP'I'. OF WILLY
	Size	Grade	Weight per ft.	New	Used		FOOTAGE I	NTERVALS	CEMENT FILL-UP	PACKERS
Conductor					Oseu		For drilling	Left in well	OR SACKS (Cubic feet)	MCRERS
Fresh water Coal										Kinds
Intermediate	×11-	3/4 H-	40 42	X		100	30	30	TO CHARGOO	2 2 2 2
Production	3-5	18 X-4	2 22						10 surface	Sizes Sizes
Tubing	2 4-1	12 Jm	15 70	Å			1750	1750	To surface	Dec Burg and
Liners	1-1/	2 CN-	5 2 75	1			5375	5375	200 400 -1-	Depths set
		48	0 0.010	A					200-400 SKS	D. D. J. 35 07
										Perforations:
		北京							*	Top Bottom
		,								
										The second second
			INSTI	RUCTI	ONS TO	COAL	OPERATO	R, OWNER, OR LE		
	The na	amed coal	operator, c	oal owi	ner(s), a	nd coal	losses	A, OWNER, OR LI	ESSEE	A STATE OF THE PARTY OF THE PAR
	of this Apr	d to make	by Code §2.	2-4-3 m	ust be fi	led with	the Departm	eby notified that any	objection they wish	to make or
									(15) days after	the receipt
	1	he followi	no waiver -							
	W d	ho has rec	orded a dec	claratio	n under	Code 8	he coal opera	tor and by any coal	owner or coal lessee ed within fifteen (15)	
	u	ays of the	filing of the	e Appli	cation.	couc y	22-4-20, If the	e permit is to be issu	ed within fifteen (15)	
The undersigned	coal opera	tor				V	VAIVER			
allilled this prop	00-1 111		a mine mar	/ O	wner _		/	lessee		
West Virginia	objection	to the worl	k proposed	to be d	one at the	overs the	e area of the	well location, the we	of the coal	under this well location has
· ingilia (	ode and th	ne governir	ng regulatio	ns.	one at th	ns locat	ion, provided	, the well operator h	as complied with all	under this well location has dded to the mine map. The applicable requirements of
										applicable requirements of
	11	2-					_	Hillman	Coal & Cox	- ^
e:	May	25	, 198	34				1 \	0	e Co.
	0						Ву	William	K. Kolo	
								( . 1	1010	
The party of the same							Its	Geolog	R. Kohl	
								C		



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.



ments: Access to the well site will be gained by constructing approximately 250 feet of new cess road and upgrading as needed 500 feet of existing access road, beginning at a junction in the Barbour County Route 6. The access road will be sloped at 2-3% towards the open cat. All outlets of drainage structures and ditches will be to stable areas. The well earea to be disturbed in a flat cleared area. All brush and timber will be removed from sught to desired grade with erosion control structures being installed in conjunction with struction and natural vegetation (filter strip) will remain undisturbed in areas between lowed; however, due to lease restrictions, surface owner request and weather conditions, etc., installed.



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



DATE February 10, 1984

WELL NO. CNGD 412

DESIGNATED AGENT Gary A. Nicholas
Crosswind Corporate Park
Bridgeport, WV 26330

API NO. 47 - 001 -2086

### State of Mest Airginia Pepartment of Mines Gil und Gas Bivision

CONSTRUCTION AND RECLAMATION PLAN

Telephone 412/429-2390	-	Telephone 304/623-8	134
LANDOWNER Hillman Coal Company		SOIL CONS. DISTRICT	Tygart Valley
Revegetation to be carried out by	Gary A	. Nicholas	(Agent)
This plan has been reviewed by T	ygart Va	lley SCD SCD.	ALL PRECEIV
and additions become a part of this plan	n:	The state of the s	_ 16666
		(Date)	MAY 3 1 106
	Ju	(SCD Agent)	OIL & GAS DIVI
ACCESS ROAD	th a <b>l</b> son , so tens	LOCATIO	
Structure Culvert	(A)	Structure Diversion	Ditch (1)
Spacing 12" Min. Steel		Material Earth	
Page Ref. Manual 2-7 to 2-11		Page Ref. Manual 2-1	2 to 2-13
Structure Drainage Ditch	(B)	Structure	(2)
Spacing Along Access Road		Material	•
Page Ref. Manual 2-12 to 2-14		Page Ref. Manual	
Structure Cross Drains	(C)	Structure	(3
Spacing As Noted on Sketch		Material	
Page Ref. Manual 2-1 to 2-6		Page Ref. Manual	
All structures should be inspected commercial timber is to be cut and s cut and removed from the site before	stacked a	rk begins.	timber to be
1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1951005 0,59	Treatment	Area II
Treatment Area I	-	Lime	3.0 Tons/acre
or correct to pH 6.5	re	or correct to pH	6.5
Fertilizer 600 lbs/acm (10-20-20 or equivalent)	е	Fertilizer (10-20-20	600 lbs/acre or equivalent)
Mulch Hay or straw 2.0 Tons/ac	re	Mulch Hay or stra	
Seed* Ky 31 Tall Fescue 40 lbs/acr		Seed* Ky 31 Tall	Fescue 40 lbs/acre
Birdsfoot Trefoil 10 lbs/acr	e		refoil 10 lbs/acre
Dom Rye Grass 10 lbs/acr	re	Dom Rye Gra	lss 10 lbs/acre
*Inoculate all legumes such as veto Inoculate with 3X recommended amount.	ch, trefor	Il and clovers with the	proper bacterium.
	==:.\	PETPARED BY MSES Const	iltants
NOTES: Please request laufaunem	in the last	ADDRESS 609 West 1	Main Street
seedling for one growing season.		Clarksburg	g, WV 26301
Attach separate sheets as necessary for comments.	office Little	PHONE NO. 304-624-9	700, 842-3325

### P 628 734 453

### RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

* U.S.G.P.O. 1983-403-517	Attn: (See Reverse)  Sent to Tygart East, I c/o Hillman Coal & S1900dCrant Buildin	Cake Com
P.O. 1		219
J.S.G	Postage	\$
*	Certified Fee	
	Special Delivery Fee	
	Restricted Delivery Fee	
	Return Receipt Showing to whom and Date Delivered	
1982	Return receipt showing to whom, Date, and Address of Delivery	
, Feb.	TOTAL Postage and Fees	\$ 189
PS Form 3800,	Postmarker pate  A 200 0	24

# P 628 734 452

# RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERASE PROVIDED NOT FOR INTERNATIONAL MAIL

(See Reverse)

A 10	1 ( Tieverse)	
Sent to Hillm Street and 1900 Pitts but to Street and 1900 Postage	Attn: W. R.	Koh1
Street and	cual & Co	ko Ca
1900	MIGILI RIGHT I	)a
Pittsbi	IN al-IF Lode	
Postage	rryn, PA 152	
Certified 5		\$
★ Certified F	e	
Special Del	very Fee	
Restricted D		
Return Recei	pt Showing	
Return	Date Delivered	
Return receipt Date, and Add	showing to whom, dress of Delivery	
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The state of the s		

P 628 734 451

P 628 734 454

# RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

R	CE		VE	F
7777	MAY 3	3 1	198A	

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

	(See Reverse)	MAY 3 1 198	(See Reverse)
	Sent to Royal Land Company	OIL & GAS DIVI	SION Sent to
		DEPT. OF MI	NE Street and Ne
	. IF.U State and Time	1. 01 111	8 O9 West Washington
(	liostage		
			Chicago, IL 60602 Postage
	Special Delivery Fee		★ Certified Fee
			Special Delivery Fee
	Restricted Delivery Fee		Restricted Delivery Fee
01	Return Receipt Showing to whom and Date Delivered		Return Receipt Showing
1982	Return receipt showing to whom, Date, and Address of Delivery	1	to whom and Date Delivered  Return receipt showing to whom, Date, and Address of the whom,
Feb.	TOTAL Postage and Fees \$ 1 09		- Date, and Address of Delivery
3800,	Postmark or page		1, 189
Form 3	12   50100		Postmark or Date
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١	821719		P8
	and the second s		4 400 101



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

McCullough Perforated Benson 4223 - 4227; 8 holes (.41)
Riley 3871 - 3877; 10 holes (.41)
Speechley 2865 - 2878; 10 holes (.41)

Halliburton Fractured Benson with 500 gal MOD 202 Acid, 50,000# Sand, + 619 BBL Fluid Riley with 500 gal MOD 202 Acid, 60,000# Sand, + 800 BBL Fluid Speechley with 500 gal MOD 202 Acid, 40,000 # Sand + 517 BBL Fluid



FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all freshand salt water, coal, oil and gas
K.B. to G.L.	0	10	Stream of Water at 45'
Top Soil	10	15	1" Stream of Water at 1660'
Sd & Sh	15	94	Coal at 94 - 95' 165 - 169' 435 - 438'
198 Coal	94	95	odoli . A viso Mana American
Sd & Sh	95	165	Cross in Corrotate sa spress Re. 2 for 90, bridgepor Tyeart tast, Inc.
998 Coal	165	169	or millear Coal
Sd & Sh	169	435	In came the street of the street
98 Coal 3871	435	438	511 Welbon Ave.
RR, Sd & Sh	438	1135	
L. Lime	1135	1150	Tracy Francisco
RR & Sh	1150	1185	E94 C. 10
5 Big Lime	1185	1280	48/01/17 C
65 Injun	1280	1390	
RR, Sd & Sh	1390	2850	PORT AND THE PROPERTY OF THE P
37 Speechley	2850	2890	
Sd & Sh	2890	3130	
3> Balltown	3130	3260	
Sd & Sh Ridey	3260 3865	3865 3905	
Sd & Sh = 1708 35 Benson = 2882 Sd & Sh	3905 4230 4260	4230 4260	

(Attach separate sheets as necessary)

See Attached Sheet for Log Tops

CNG Development Company

Well Operator

Dary A. Nicholas

July 26, 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 the drilling of a well." enal, encountered in the drilling of a well.



IV-35 (Rev 8-81)

## State of Mest Wirginia

Bepartment of Mines Bil und Gas Bivision

Date	July	26,	1984	A. 350
Operator's Well No. CNGD 412 Farm H. N. Allen				
Farm I	H. N. A	Aller	1	50.
API No	0.47	- (	001 -	2086

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL

OCATION: Elevation: 1360.50 Watershed_	Taylor Dr	ain (MT-26	-A)	
District: Pleasants County Barbo	ur	Quadrangle	Philippi	7.5' (197)
10 4 Street o Water at 45 of			.1.0	0
OMPANY CNG Development Company				1.10 (Sec. 0.)
DDRESS P.O. Box 15746	Casing	Used in	Left	Cement
PESIGNATED AGENT Gary A. Nicholas	Casing	Drilling		fill up Cu. ft.
Crosswind Corporate Park DDRESS Rt. 2 Box 698, Bridgeport, WV 26330	Size	DITTI	III WOLL	12.0 10
Tygart East, Inc.  SURFACE OWNER c/o Hillman Coal & Coke Co.	20-16			
ADDRESS Pittsburgh, PA 15219	Cond.	-		
MINERAL RIGHTS OWNER Camden I. Proudfoot, etal	13-10"			110 1
511 Nelbon Ave. Pittsburgh, PA 15235	9 5/8	1755	1755	To surf
OIL AND GAS INSPECTOR FOR THIS WORK	8 5/8	1755	1755	10 8011
Phillip Forest Festival Terrace Tracy ADDRESS Apt 24, Elkins, WV 26241	7		10.0	
The state of the s	5 1/2	// 00	4408	400 sks
A STATE OF THE STA	4 1/2	4408	4400	400 585
DRILLING COMMENCED 6/27/84	3			TET OF
DRILLING COMPLETED 7/10/84  IF APPLICABLE: PLUGGING OF DRY HOLE ON	2			
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			auinl .
REWORKING. VERBAL PERMISSION OBTAINED	used		ala	18 ,07
ON	02.85		527	5 fee
GEOLOGICAL TARGET FORMATION Haverty		Der		
Depth of completed well 4470 feet	Rotary >	Cabl	le Tools_	330 5 00
Water strata depth: Fresh 1660 feet;		reet		nworling
Coal seam depths: 165 - 169 435 - 438	Is coal	being mir		
OPEN FTOW DATA Benson 435				<ul><li>4227</li><li>3877</li></ul>
Producing formation Riley 434 Speechley 432	Pa	ay zone dej	oth 2865	- 2878 fee
Gas: Initial open flow Mcf/d	Oil: Ir	nitial open	n flow	Bbl/
Final open flow 2.000 Mcf/d	F	inal open	flow	Bbl/
Time of open flow between ini	tial and	final test	sh	iours
Static rock pressure 1150 psig(surfa	ce measure	ement) aft	er 24 ho	ours shut i
(If applicable due to multiple completio				
Second producing formation_	P	ay zone de	pth	fee
Gas: Initial open flow Mcf/d	Oil: I	nitial ope	n flow_	Bbl
Final open flowMcf/d	Oil: F	inal open	flow	Bbl
Final open flow PCI/G				

CNGD Well No. 412 Hillman Coal & Coke Company Barbour County, WV API No. 47-001-2086

### ELECTRIC LOG TOPS

	Formation	Тор	Bottom
	L. Lime	1131	1154
	B. Lime/B. Injun	1178	1392
395	Berea/Gantz	1560	1650
	50'	1662	1772
	30'	1779	1860
	Gordon Stray/Gordon	1915	1990
	4th	2014	2083
	5th/L. 5th	2104	2201
	Warren	2541	2574
	Speechley	2860	2884
	Balltown	2976	3138
	Bradford	3267	3386
	Riley	3780	4003
	Benson	4220	4240



# DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

# DEPT. OF MINES

### INSPECTOR'S WELL REPORT

Permit No. 00/- 20	2060					or Gas Well	- 7 1
Company CN	G -	l	CASING AND TUBING	USED IN DRILLING	LEFT IN	PAC	KERS
Address			Size			- Loville	
Farm	Peter		16		NA	Kind of Pa	cker
Well No	Business at 1 Way America	Nac Sala	13			Size of	
District	County		81/4			5,20 01	
Drilling commenced			65/8			Depth set_	
Drilling completed	Total depth		5 3/16			Paul ton	
Date shot	Depth of shot		2			Perf. top Perf. botton	
Initial open flow	/10ths Water in	_Inch	Liners Used			Perf. top	
Open flow after tubing	/10ths Merc. in	_Inch				Perf. botton	n
Volume		Cu. Ft.	CASING CEMEN	TED	SIZE	No. FT	Date
lock pressure	lbs	_hrs.	NAME OF SERV	VICE COMPA	NY		
Dil	bbls., 1st 2	4 hrs.	COAL WAS ENC	COUNTERED	AT	_FEET	INCHES
resh water	feet	feet	FEET_	INCH	ES	_FEET	INCHES
alt water	feet	feet	FEET_	INCH	ES	FEET	INCHES
rillers' Name D.W.	JACK						- A Shire M
emarks:	aT-		1	10			
2	pot Stake	fu	n foc a	+ KOAD	)		
/							

RyBuce

DISTRICT WELL INSPECTOR

### STATE OF WEST VIRGINIA

### **DEPARTMENT OF MINES**

### OIL AND GAS WELLS DIVISION

# PROPERTY OF MINES

OMPANY	# NO		ADDRESS	S		70.00	The state of	
ARM		DISTRICT COUNTY						
ANUI							7630	
illing Material Used								
	cation	Amount		Packer	Loc	ation		
	ND DEPTH PLACED		of the constraint of the constraint A.	IDGES	CASING	G AND TUE	BING	
CEMENT-THICKNESS	WOOD-SIZE	LEAD		CTION-LOCATION	RECOVERED	SIZE	LOST	
CEMENT-THICKNESS	WOOD-GIZE							
		A CONTRACTOR SECTION						
			Jan 27					
and the second					11. 11. 1	and the second second	20	
				. sode	30 75 20	and an incidence of	- 107°	
					- /10 km	or security of the	it magned. Here	
A Company of the Comp					1.1507	gasdul -	tin well	
		TO STATES	a Donas i	a de la companya del companya del companya de la co		CHURCOL // 2 1 NO-1	Maritima	
	I I TOTAL TON	3.387/198						
M 201 1.001	277 1132	3 - 9000634	AW JACO LAN					
Drillers' Names					1.0			
Drillers Names								
						and the second		
Remarks:								
			a wall on this dat	to.				
DATE	I hereby certify I	risited the above	e well on this dat	ie.				

### DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

DEPT. of MINES

Shacare

DISTRICT WELL INSPECTOR

INSPECTOR'S WELL REPORT

Permit No. 001-20	986			Oil oi	Gas Well
Company  Company  Company  Company  Company  Size  Siz	PACKERS				
Address		Size			
Farm		16			Kind of Packer
Well No	Elasyposal Marryan Mess	The state of the s			2
District	County_00 /				Size of
Drilling commenced		65%			Depth set
Drilling completed	Total depth				
					Perf. top
		Liners Used			Perf. top
					Perf. bottom
			TED	SIZE	N 700
					No. FTDate
Dil	bbls., 1st 24 hrs.	COAL WAS ENC	COUNTERED	A /TI	
resh water	feetfeet				
				_	
will and M		——FEEI_	INCHE	S	FEETINCHES
rillers' Names	J.W. VACIE				100 000000
emarks:	n Stone to	Lac			
Cuer	e sinke iv				
,//			to Bostono A y Riggio	u salemaj i	
6/22/5	Y		21	Bec	lec
DATE					STRICT WELL INSPECTOR

# STATE OF WEST VIRGINIA DEPARTMENT OF MINES

Form 26 2/16/82

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

### **INSPECTOR'S PLUGGING REPORT**

THE WAR THE	411		NSPECTON'S W			
COMPANY	ro (AB		ADDRESS			
FARM		DISTRICT		OUNTV		
				JOUNT I		
Filling Material Used						
i illing waterial Oscu		Engage and Age of the				
Liner Loc	cation	Amount	Amount Packer			- Lange
PLUGS USED A	AND DEPTH PLACED		BRIDGES	1	cation  G AND TU	RING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
	1000012	ELAB	CONOTINGETION-LOCATION	INCOVERED	SIZE	LUST
And the second s						
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
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			in the second	1000		
			The second of th		300 103 10	Semilia
				1-2-1		
	4 4 4 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2					
	PACING					
	TA TERR	Katooka a	Jacob Jacob 18 tel Jakob			
D. 11						
Drillers' Names						
01/36/1 TS0 1_	LEGENERAL METERS	Pro-	12,18		is an analysis of the second	
Remarks:						
1	I hereby certify I vis	ited the chore wal	1 on this date			
DATE	i hereby certify I vis	ited the above wel	i on ans date.			
			DIE	TRICT WELL INS	DECTOR	1

## DEPARTMENT OF MINES



OIL AND GAS WELLS DIVISION

### INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit N6901-2086			Oil or	r Gas Well	
Company C.N.G	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PAC	KERS
Address	Size				
Farm Tygnot EA-55	16	Server throughous control		Kind of Pac	eker
Farm Tygnot EA-5T Well No. 4/2	13			Size of_	
DistrictCounty_OO/	81/4			Size oi	
Drilling commenced	6%			Depth set_	
Drilling completedTotal depth	5 3/16			Perf. top	
Date shotDepth of shot	2			Perf. bottor	
Initial open flow/10ths Water inInch	Liners Used			Perf. top	
Open flow after tubing/10ths Merc. inInch				Perf. botton	n
VolumeCu. Ft.	CASING CEMEN	NTED	SIZE	No. FT	Date
Rock pressurelbshrs.	NAME OF SER	VICE COMPA	NY		
Dilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
resh waterfeetfeet	FEET_	INCH	ES	_FEET	INCHES
Salt waterfeetfeet	FEET_	INCH	ES	FEET	INCHES
Orillers' Names JACR Rig 2	2/				
Remarks: Runy 85/8 And SU	let down	Vac			

7/2/14

Phleen

#### STATE OF WEST VIRGINIA

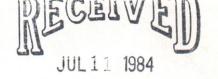
### **DEPARTMENT OF MINES**

### OIL AND GAS WELLS DIVISION

### **INSPECTOR'S PLUGGING REPORT**

COMPANY	6.02		ADDRESS			125.	nie tuen
FARM	DISTRICT COUNTY						
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13,378.7 3	412		-7/4	10	yangan
Filling Material Used							
Liner Loc	cation	Amou	int	Packer	Loc	ation	2019/51
	AND DEPTH PLACED			OGES	CASING	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUC	TION-LOCATION	RECOVERED	SIZE	LOST
OZ.IIIZ				The same of			
	1			20 44	100		
10 mm							
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the continues of the continues to the continues of the co					2.20 P.	2000	語に当点を と
		Losgy	janana Ma				9232
			95.0				
						000 0000 0 a 1000 april	47277711
				Maria Lakad			
Drillers' Names					34,190		
					1890		4-79-7
Remarks:							
	I hereby certify I	visited the above	well on this date				
DATE							

# DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION
DEPT. OF MINES

### INSPECTOR'S WELL REPORT

Permit No.001-208 6				r Gas Well	
Company CNG-	CASING AND TUBING	USED IN DRILLING	LEFT IN	PAG	CKERS
Address	Size				n. Manari
Farm 149ART EAST. INC	16	Control of the contro		Kind of Pa	acker
Well No. 4/2	13	at the	STATUTE DE	Size of	
DistrictCounty_00 /	81/4			5.20 0.	
Drilling commenced	65%			Depth set	
Drilling completedTotal depth	5 3/16			Parf ton	
Date shotDepth of shot	2				m
Initial open flow/10ths Water inInch	Liners Used		,	Perf. top_	
Open flow after tubing/10ths Merc. inInch				Perf. botto	m
VolumeCu. Ft.	CASING CEMEN	NTED	_SIZE	No. FT	Date
lock pressurelbs,hrs.	NAME OF SER	VICE COMPA	NY		
Dilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
Fresh waterfeetfeet	FEET_	INCH	ES	_FEET	INCHES
Salt waterfeetfeet	FEET_	INCH	ES	FEET	INCHES
Orillers' Names J.W. JACIE					(v. 64) (+4.2)
demarks: Driceing - AN	ticipat	T.D	Mont	P.M	
•				-	

7/9/84 BATE

RGBEALL

#### STATE OF WEST VIRGINIA

### **DEPARTMENT OF MINES**

### OIL AND GAS WELLS DIVISION

### **INSPECTOR'S PLUGGING REPORT**

OMPANY			ADDRESS			A orthograph
ARM		DISTRICT .	C	OUNTY		
			eratur - I	Service Contract		
illing Material Used			24			+24011
iner Loc	cation	Amou	int Packer	Loc	ation	
PLUGS USED A	ND DEPTH PLACED	,	BRIDGES	CASING	G AND TUI	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
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			The second secon	2 N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	on a little of	100000000000000000000000000000000000000
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			Water Inc. Co. S.	50 ( )	and the second	n race last
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			7. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19			
		i Emme				Almostall vi
		1 2307/23	294 (J.C.C)   225 (C.DE)	erana properties properties and experience of the second		The second secon
Drillers' Names	277		T 1991	5 491		A Property of
Jimois Tiumes						100
			and the second s			
Remarks:						
	I hereby certify I	visited the above	e well on this date.			
DATE						

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



### INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No.001-2086 Oil or Gas Well\_ (KIND) CASING AND TUBING USED IN LEFT IN PACKERS Company\_ Size Address\_ Kind of Packer\_\_\_\_ Farm\_ ± 4/2 Well No ... Size of\_\_\_\_ District 65%\_\_\_\_ Depth set\_\_\_\_ Drilling commenced\_\_\_\_ 5 3/16\_\_\_\_ Drilling completed\_\_\_\_\_Total depth\_ Perf. top\_\_\_\_ \_\_\_\_Depth of shot\_\_ Date shot\_\_\_ Perf. bottom\_\_\_\_ Initial open flow\_\_\_\_\_/10ths Water in\_\_\_\_Inch Liners Used\_ Perf. top\_\_\_\_ Perf. bottom\_\_ Open flow after tubing\_\_\_\_\_/10ths Merc. in\_\_\_\_Inch \_\_\_\_\_Cu. Ft. Volume\_ CASING CEMENTED\_\_\_\_SIZE\_ \_\_\_\_No. FT.\_\_\_\_Date NAME OF SERVICE COMPANY Rock pressure\_\_\_\_ \_lbs\_\_ \_hrs. Oil \_bbls., 1st 24 hrs. COAL WAS ENCOUNTERED AT\_\_\_\_ FEET\_ Fresh water\_ feet FEET\_\_\_INCHES\_\_\_ FEET\_ \_INCHES Salt water\_ feet FEET\_ INCHES FEET\_\_\_INCHES Drillers' Names\_ Remarks:

7/10/84

RGBeach 501)

### STATE OF WEST VIRGINIA

### **DEPARTMENT OF MINES**

### OIL AND GAS WELLS DIVISION

### **INSPECTOR'S PLUGGING REPORT**

OMPANY	a Literal Control		ADDRESS			187 Ju
ADM	DISTRICT COUNTY					
ARM	- 14 miles	_ DISTINCT _	Rect to		<u> </u>	
illing Material Used			100			80.97
iner Loc	ation	Amoun	t Packer	Loc	ation	
	ND DEPTH PLACED		BRIDGES	CASINO	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
The second secon						
20113014			The second of th			1
			- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	10 11 901	i i y atamony and	2.2
					an establishment of	
			management of the state of the	15 10 /	2000	Market I
		102 1/3 5				
					Sunt of the property of the second	and san
The again ways to the second of the second						22.400
Drillers' Names		1944				
Difficis Tames						100
		equipment of the second		and the second s		
Remarks:						
	I hereby certify I v	isited the above a	well on this date.			
DATE	I nereby certify I v	isited the above	WALL OIL WILL GOVE.			

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

## DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No 00/-2086 Oil or Gas Well\_ CASING AND USED IN LEFT IN PACKERS Company. Size Address IYENAT E. Kind of Packer\_\_\_ Well No. Size of\_\_\_\_ \_County\_00 District\_ Depth set\_\_\_\_ 65/8-Drilling commenced\_ 5 3/16\_ Drilling completed\_\_\_\_\_ \_Total depth\_ Perf. top\_\_\_\_\_ Depth of shot Perf. bottom\_\_\_\_ Date shot\_ Liners Used Perf. top\_\_\_ \_\_\_\_\_/10ths Water in\_\_ Initial open flow\_\_\_\_\_ Perf. bottom\_ Open flow after tubing\_\_\_\_\_/10ths Merc. in\_\_\_ \_No. FT.\_\_\_\_ SIZE\_ Cu. Ft. CASING CEMENTED\_\_\_\_ \_\_Date NAME OF SERVICE COMPANY lbs. hrs. Rock pressure\_ COAL WAS ENCOUNTERED AT\_ FEET\_ INCHES Oil bbls., 1st 24 hrs. INCHES FEET INCHES Fresh water\_ feet FEET\_ Salt water. FEET INCHES\_ FEET INCHES JARY MILLER Rough Grading done - Pits filled Remarks:

8/20/84 DATE

RC Reace - 501

DISTRICT WELL INSPECTOR

#### STATE OF WEST VIRGINIA

### **DEPARTMENT OF MINES**

### OIL AND GAS WELLS DIVISION

### **INSPECTOR'S PLUGGING REPORT**

Permit No	SS 4-03		ADDRESS	· 97777	1 - 1 -	()
FARM		DISTRICT	C	OUNTY		an to Cygoromore
Filling Material Used						y yes
iner Loc				Loc	ation	
	ND DEPTH PLACED	Amor	BRIDGES		G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
CEMEINT THE STATE			100			
2.37%						
	2					
200 - 100 -						37. 1
			Sala an Salah		and the second	E CYCLC.
	400 000		and the second second		g-v-v-v	384 24 4
			1 13718 5 1 1 2 7 1 19 1 1 1 1 1 1 1 1 1 1			
		1 30 4030 6	O 33:A7	100		2112
aria yan			W JAOO L 817 Killia la la sea			
Orillers' Names						
		***				
Remarks:						
111111111111111111111111111111111111111						
1	I hereby certify I vis	sited the above v	well on this date.			
DATE						

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

Depeace 501

# INSPECTOR'S WELL REPORT. OF MINES

Permit No. 001-208	6			Oil or	Gas Well	
Company Cric	C	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACK	ERS
Address		Size				
Farm 146727	EAST	16			Kind of Pacl	ker
Well No. 4	412	13			Size of	
District	County OO	81/4				
Drilling commenced		6%			Depth set	
		5 3/16				
Drilling completed	Total depth	3			Perf. top	water with the party of
Date shot	Depth of shot	2			Perf. bottom	1
Initial open flow	/10ths Water inInch	Liners Used			Perf. top	
Open flow after tubing	/10ths Merc. inInch				Perf. bottom	1
	Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
Rock pressure	lbs,hrs.	NAME OF SER				
Oil	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
Fresh water	feetfeet	FEET_	INCH	IES	_FEET	INCHES
Salt water	feetfeet	FEET_	INCH	IES	FEET	INCHES
Drillers' Names						18.2187(p. %
Remarks: So	eded & Mulche	l				

### STATE OF WEST VIRGINIA

### **DEPARTMENT OF MINES**

### OIL AND GAS WELLS DIVISION

### **INSPECTOR'S PLUGGING REPORT**

COMPANY	< 38		ADDRESS	0.34		No age a
			C			
	4.25					
Filling Material Used						
0						
iner Loc	ation	Amou	int Packer	Loc	ation	
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASINO	AND TU	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
			81			
			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	lo dinos		
						5
	TYP					
			The same of the sa	and the second s		94724
	L 2.29 UF83	Tanasa la	AN LOS SESTIMATIONS			
Drillers' Names			•			
	7.7		¥	1.55		
Remarks:						
	I hereby certify I vi	sited the above	well on this date.			
DATE						
				STRICT WELL IN		



# State of West Virginia

Department of Mines Gil and Gas Division

Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
September 10. 1984



OIL & GAS DIVISION
DEPT. OF MINES

COMPANY	CNG Development Company	PERMIT NO	001	-2086			_
P. O.	Box 15746	FARM & WEL	L NO	Tygart	East,	Inc.	#412
Pittsb	urgh, Pennsylvania 15275	DIST. & CO	UNTY	Pleasa	nts/Ba	rbour	
RULE	DESCRIPTION		IN YES	COMPLIA	ANCE NO		
23.06 25.04 25.03 16.01 15.03 15.02 15.01 15.04 15.05 23.02 25.01 23.04 23.05 23.07 16.01 16.02 7.05	Notification Prior to Starting Work Prepared before Drilling to Prevent Walligh-Pressure Drilling Required Permits at Wellsite Adequate Fresh Water Casing Adequate Coal Casing Adequate Production Casing Adequate Cement Strenght Cement Type Maintained Access Roads Necessary Equipment to Prevent Waste Reclaimed Drilling Pits No Surface or Underground Pollution Requirements for Production & Gathering Well Records on Site Well Records Filed Identification Markings						
I HAVE I	NSPECTED THE ABOVE CAPTIONED WELL AND RI	SIGNED DATE	an a	BE REI	9/10	<u>\</u>	
with Char	l record was received and reclamation recter 22, Article 4, Section 2, the above for the life of the well.	equirements well will	appr	oved. I	in acco	ordanc	e
		Administra		il & Ga h 12, 1		sion	
			DATE	_			

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

1.0 API well number;	THE NATURAL GAS POLICE AC	I (NGFA)	
(If not assigned, leave blank. 14 digits.)	47 - 001 - 0208	36 -	_
Type of determination being sought:     (Use the codes found on the front of this form.)  3.0 Depth of the deepest completion	103 Section of NGPA	Categor USC	SIVED
location: (Only needed if sections 103 or 107 in 2.0 above.)	4,227	feet SEP	2100
4.0 Name, address and code number of applicant: (35 letters per line maximum, If code number not available, leave blank.)		DEPT. OF	S DIVSeller Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.) (b) For OCS wells:	Pleasants Dist. Field Name Barbour County Sta	· · · · · · · · · · · · · · · · · · ·	de
	Date of Lease:	Block Num OCS Lease Number	nber
(c) Name and identification number of this well: (35 letters and digits maximum.)  (d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	H. N. Allen CNGD #412	OCS LEase Number	
5.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	undetermined Name		Buyer Code
(b) Date of the contract:		ب .	2004
(c) Estimated total annual production from the well:	73	Yr. Million Cubi	c Feet
	(a) Base Price (b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
O Contract price:  (As of filing date. Complete to 3 decimal places.)	S/MMBTU		
decimal places.)	S/MMBTU 2.925		
Agency Use Only  te Referency Jury 1984	R. M. Metzler	Mgr. F	eserves
RC-121 (8-82)	Signature  9-4-84  Date Application is Completed	412/787-	4092

Date Received

Determination Date

### DEPARTMENT OF MINES, OIL AND GAS DIVISION

### COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: Sept. 4 ,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	840907 -103 -001 - 2086
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: Crosswind Corporate Park
Address: (Street or P.O. Box)	Route 2 Box 698 Bridgeport, WV 26330
(City) (State) (Zip Code) FERC Seller Code	FERC Buyer Code
NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCE BE ADDRESSED:	RNING THIS APPLICATION SHALL
Name: Robert N. Metzler (Print) Signature:	Manager of Reserves (Title)
Address:  One Park Riege Center - P.O.  (Street or P.O. Box)  Pittsburgh, PA  152	
Telephone: (City) (State) (Area Code) (Phon	(7in Code)
(Certificate of Proof of Service to Pur	chaser)
NGPA Catagory	Applied For
NGPA SECTION/SUBSECTION	
102 New Natural Gas 102-2 2.5 Mile Test 102-3 1000 Foot Deeper Test 102-4 New Onshore Reservoir	108 Stripper Well Natural Gas  108- Stripper Well  108-1 Seasonally Affected  108-2 Enhanced Recovery  108-3 Temporary Pressure Buil
103 New Onshore Production Well  X 103 New Onshore Production Well	100-3 Temporary Pressure Bull
107 High Cost Natural Gas 107-0 Deep (more than 15,000 feet) 107-1 Geopressured Brine	AGENCY USE ONLY
107-2 Coal Seams 107-3 Devonian Shale 107-5 Production enhancement 107-6 New Tight Formation	APPROVED
107-7 Recompletion Tight Formation	OCT -2 1984
RECEIVED	
SEP - 7 1984	
OIL & GAS DIV.	

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

Date	Sept	. 4		, 1984
Operat	or's			
Wellit	10.	412		
API Vie	11 110			
47		001	-	02086
State		County		Permit

### WELL CLASSIFICATION FORM

# NEW ONSHORE PRODUCTION WELL NGPA Section 103

	DESIGNATED AGENT Gary A. Nicholas
	CNG Development Company ADDRESS Crosswind Corporate Park
	Route 2 Box 698
	Bridgeport, WV 26330
WELL OPERATOR CNG Development Company	LOCATION: Floring 1 261
One Park Ridge Center	LOCATION: Elevation 1,361'
ADDRESS P.O. Box 15746	WatershedTaylor Drain
Pittsburgh, PA 15244	
	District County Quad
GAS PURCHASERundetermined	Pleasants Barbour Philippi Cas Purchase Contract No. N/A
ADDRESS	Meter Chart CodeN/A
3	Date of Contract N/A
	1/1
* * * * * * * * * *	* * * * * * * * * * *
Date surface drilling was begun: 6/27/84	
bace sarrece diffining was begun.	
Indicate the bottom hole pressure of the well and expl	ain how this was calculated:
BHP = 1,427#	
BHP = $P_1 + P_1$ (e GL 53.34 <sub>-1</sub> )	
± ±	FFIDAVIT
<u>.</u>	TTIDAVII
I, Robert N. Metzler , having been f	irst sworn according to law, state that surface drilling of
the well for which this determination is sought was	begun on or after February 19, 1977; the well satisfies
applicable state or federal well spacing requirements	and the well is not within a proration unit in existence at
the time surface drilling began, which was applicable	to the reservoir from which gas is or will be produced and
after February 19, 1977, and which was capable of producing	nercial quantities or on which surface drilling began on or
I have concluded, to the best of my information, knowl	lucing gas in commercial quantities. I state, further, that edge and belief, that the well for which this determination
is sought is a new onshore production well and that I	am not aware of any information not described in the appli-
cation which is inconsistent with this conclusion.	appring
	11 11 01
	DM Watt
	1.11.1191
Pennsylvania	
STATE OF MESTAWAKKAWAXX	
COUNTY OF Allegheny , TO WIT:	
Ox 111	
Acute epile a Notary Pub	olic in and for the state and county aforesaid, do certify
that R. M. Ned Lu, whose name is sign	ned to the writing above, bearing date the 424 day of
Lent. , 1984, has acknowledged the same	thefore me is my county of consider
Given under my hand and official seal this	(4) days ( )
My term of affice and official seaf this 7	day of 190%.
my term of office expires on the Staday of	
	the day of line., 19 8 y.
	They , 19 /96.)
	They , 19 /96.)

[NOTARIAL SEAL]

Notary Public

MAUREEN CEPIKOFF, NOTARY PUBLIC

PITTSBURGH, ALLEGHENY COUNTY 14

MY COMMISSION FYPIERS MAY 25 1981

