

1)	Date:	Augus	t 10		, 15	84
2)	Operator's Well No.	7960 11	232			
3)	API Well No.	47 -	041	-	3518	1,000,000
		State	(Cour	nty	Permit

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

APPLICATION FOR A WELL WORK PERMIT

4) WELL T					X		OTT TO A STREET		
5) LOCATI	B ON: E	(If "Gas"	Production 120	on —	٨	_/ Undergroun	d storage	/ Deep	/ ShallowX/)
3) LUCATI		levation:				Watershed:	IIOZEII LI	LK LK	15 R
6) WELLO	PERATOR	CNG	Devel	onme	nt Compa	County:	Lewis	- American Pro	Vadis 7.5'
Addre	s C/O	Paul W	Garr	ett	P O B	ox 15746		AGENT Mr. G	
		Pit	tsburg	h. P	A 1524	1	Address D+ 2		orporate Park
8) OIL & G	AS INSPE				1027				dgeport, WV 26330
Name _	Mr. S	Stepher	Case	V			9) DRILLING CO	am Jack Dril	ling Company
Addre		2, Bo					Address	P. O. Box 4	
	Jar	ne Lew.	WV	2637	8	SECTION OF	Address	Buckhannon	
10) PROPOS	ED WELL	WORK:	Drill	X	_/ Drill	deeper	/ Redrill		
						/ Perf	orate new formation_	/ Stimulate_1	DIE CELVIPI
			Other p	hysica	l change in	well (specify)	Tate new formation_		Mrs S
11) GEOLOG	ICAL TAR	RGET FOR	MATION	,	Ballto	wn			ALIC 1 5 108/
12) Estim	ated depth	of complet	ted well,		3900	fee	t		AUD 1 0 1304
13) Appr	oximate tra	ta depths:	Fresh,		420	feet; sal	lt,	feet.	OIL & GAS DIVISION
), 42	20, 780		oal being mined in the	area? Yes	EPT OF MINE
15) CASING	AND TUB	ING PRO	GRAM) F. L. OL KATITAL
CASING OR TUBING TYPE		SPEC	Weight	5	- 1	FOOTAGE	INTERVALS	CEMENT FILL-UP	PACKERS
	Size	Grade	per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor	11-3/	4 H-40	42	X					Kinds
Fresh water Coal	11 0/	11 40	42	٨		40	40	To surface	By Rule 15.05
Intermediate	8-5/8	X-42	23	V				La company	Sizes
Production	4-1/2			X		900	900	To surface	By Rule 15.05
Tubing	1-1/2			X		3900	3900	200-400 sks	Depths set
Liners		011 33	2.73	^		Atkey Yorkin	ATTORNA TO A STATE OF THE PARTY		By Rule 15.01
							The statement of		Perforations:
		- Human		KLULET T	CLASS TO LL	CONTRACTOR	Historia I American		Top Bottom
				0.8.13		20 10			中的现在分词。15-14年,8月
	FIRST.								
	37-6-7		1,000		OF	FICE USE (ONIV		But the control of
						RILLING PE			Section to the state of
ermit number_	47-041-	3518							
		7.77	A 1 1 1					Septemb	per 18. ₁₉ 84
his permit cover	ring the we	ll operator	and well	locatio	n shown hal	ow is suid-		Date	distribution of
uirements subject	ct to the co	nditions co	ontained h	erein a	nd on the rev	verse hereof. N	of permission granted	to drill in accordance	e with the pertinent legal re- and Gas Inspector, (Refer to
strict oil and ga	ne construction inspector	24 hours	ads, locati	ons and	d pits for any	has commenced	.In addition, the well	operator or his contr	and Gas Inspector, (Refer to
verse hereof.	ik is as ues	cribed in t	ne Notice	and A	pplication, p	lat, and reclama	tion plan, subject to a	ny modifications and	d conditions specified on the
ermit expires	Septemb	er 18,	1986						
						unless wen	work is commenced pr	ior to that date and pr	rosecuted with due diligence.
Bond: 2 8	Agent:	Pl	at.	Casin	442	10.70 %			White Share Division in the second
BLANKET	A A		at.	Casing	Fee				
1		n	74	MH	144	8	M	, n V	1
				Sale of			1 largar	et / //	3110
OTE: Va						+		trator, Office of Oil	and Co.
OTE: Keep on	e copy of th	nis permit	posted at	the dri	lling location	1.	//	autor, Office of Off	and Gas
F ST STEP COLD TO THE STATE OF	X 2 2 2		A SECTION OF SECTION	STRUE IN	The second second				

TY OF MINES



OFFICE USE ONLY

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

OFFICE	LISE	ONI	Y

900

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

This part of Form IV 2(0) is so to					()
	Date			Date	(s)
Application received	V.14	Follow-up in	aspection(s)		
Well work started	(AM)	134 SWILLING	,,	47-041-3518	
process	linis of paragraph openings, and the state of the state o				
Well Record received Reclamation completed			otice and Applica		
		A Hore and the			NO A LONG
OTHER INSPECTIONS Reason:	Norganit-	(2 mg	4011	the little	BLANKET
Reason:	THE RESERVE THE PARTY OF THE PA				

the APPLICANT'S COPY for instructions to the well consider

IV-9 (Rev 8-81)

X

Recd. (WFSCD)

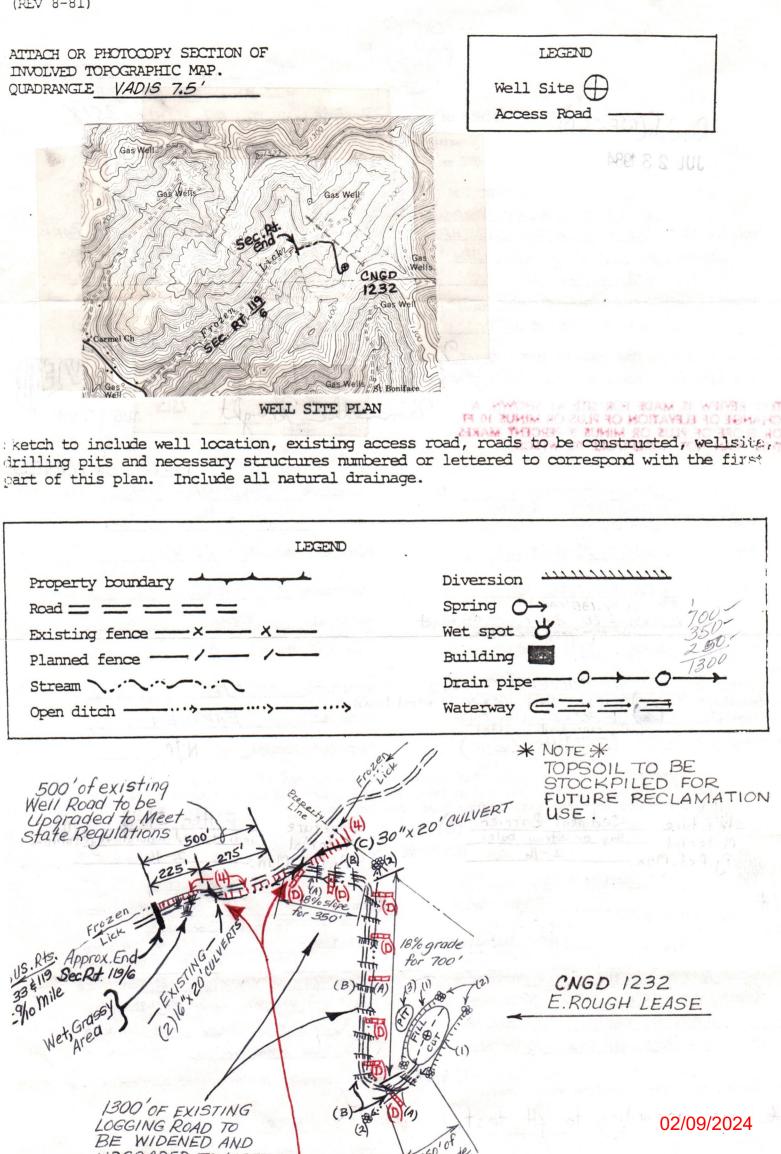
JUL 23 1984

WELL NO. CNGD No. 1232 API NO. 47 - 041-35/8

State of Mest Hirginia Bepartment of Mines Bil and Gas Bivision

CONSTRUCTION AND RECLAMATION PLAN

CNG DEVELOPMENT COMPANY	GARY A. NICHOLAS
COMPANY NAME ONE PARK RIDGE CENTER	DESIGNATED AGENT CROSSWIND CORPORATE PARK
Address PITTSBURGH, PA. 15244	Address RIDGEPORT, W.VA. 26330
Telephone 4/2 - 429 - 2390	Telephone 304 - 623 - 8134
LANDOWNER Millicent Hines & Ellen Asbury	SOIL CONS. DISTRICT WEST FORK
Revegetation to be carried out by 6	GARY A. NICHOLAS (Agent)
This plan has been reviewed by We	
and additions become a part of this plan:	8 6 84 NEGET VE
IS REVIEW IS MADE FOR SITE AS SHOWN. A ANGE OF ELEVATION OF PLUS OR MINUS 10 FT. SLOPE OF PLUS OR MINUS 3 PERCENT MAKES S PLAN NOT ACCEPTABLE TO WFSCD. ACCESS ROAD	(SCD Agent) OIL & GAS DIVISION
Structure DRAINAGE DITCH (A)	Structure DIVERSION DITCH (1)
Structure DRAINAGE DITCH ALONG ACCESS ROAD (A)	Structure <u>DIVERSION DITCH</u> (1)
Spacing /NSIDE ROAD CUTS	Material EARTH
Page Ref. Manual (2-12) to (2-14)	Page Ref. Manual (2-12)
Structure CROSS DRAINS (B)	Structure RIP-RAP (2)
5% every 135 apart Spacing 15% every 60', 20% every 45 apart	Material ROCK
Page Ref. Manual (2-1) to (2-6)	Page Ref. Manual N/A
Structure ROAD CULVERT (15"min ID. (C) (according to 046 Manual (2) EXISTING 16" × 20" (at nature Spacing 1-30" × 20" LINE PIPE With cripropped outlet	Structure PIT (3) Inal drains) Material EARTHEN
Page Ref. Manual (2-7) thru (2-10)	Page Ref. Manual N/A
All structures should be inspected regul commercial timber is to be cut and stacked cut and removed from the site before dirt structure Sediment Barrier Material Pg. Ref. Man. Treatment Area I Lime 3 Tons/acre or correct to pH 6.5	and all brush and small timber to be work begins. Structure Undisturbed natural vegetation ATION Pg. Ref. Man. Treatment Area II Hime 3 Tons/acre
Fertilizer 600 lbs/acre	
(10-20-20 or equivalent)	Fertilizer 600 lbs/acre (10-20-20 or equivalent)
Mulch HAY or STRAW 2 Tons/acre	Mulch HAY or STRAW 2 Tons/acre
Seed* KY 31 TALL FESCUE 40lbs/acre	Seed* KY 31 TALL FESCUE 40 lbs/acre
BIRDSFOOT TREFOIL 10 lbs/acre	BIRDSFOOT TREFOIL 10 lbs/acre
DOM RYE GRASS 10 lbs/acre	DOM RYE GRASS 10 lbs/acre
*Inoculate all legumes such as vetch, trefo Inoculate with 3X recommended amount.	oil and clovers with the proper bacterium.
hime according to pH test, ===	FREFARED BY MARK C. ECHARD 02/09/2024
NOTES: Please request landowners' cooperation to protect new	APPRESS STAR ROUTE 71, BOX 6
seedling for one growing season.	GLENVILLE, W. VA. 26351
Attach separate sheets as necessary for comments.	FHONE NO. 304-462-5565



crossing Frozen Lick, construct structures specifications on pg. 2-20 (sec. 10) Manual. Gas

UPGRADED TO MEET STATE REGULATIONS.

250' of 16% Grade

02/09/2024

1) Date: August 10
2) Operator's Well No. 1232

3) API Well No. 47-04/-35/8
State County Permi

,19 84

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

	RFACE Name	OWNER(S) OF RECORD TO BE		A WELL WORK PERMIT 5(i) COAL OPERATOR Address	
(ii)	Addre	Elkview WV 25071 Millicent Hines 1/	<u>10 Inte</u> rest	5(ii) COAL CWNER(S) WITH I Name Ellen P. As Address 2 Cher Elkvie	ry Lane
(111)	Name Addre	P 626 988 887		Address	LARATION ON RECORD:
		NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL (See Reverse)	ould have price Per the the test local owing the second of the second of the second of the second or	NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL (See Reverse)	
	* U.S.G.P.O. 19603003-517	Sent to Ms. Ellen P. Asbury Steet and No. 2 Cherry Lane P.O., State and ZIP Code Elkview, WV 25071 Postage \$ Certified Fee Special Delivery Fee Restricted Delivery Fee Return Receipt Showing to whom and Date Delivered	tion P. the p. acces: UMENT: ICNS" IR YOU 2 of t this N istrat a well Copies been (or by to th	Sent to Ms. Millicent Hines Street and No. Jir Street P.O., State and ZIP Code Weston, WV 26452 Postage Certified Fee Special Delivery Fee Restricted Delivery Fee Return Receipt Showing to whom and Date Delivered	AUG 1 5 1984 IIL & GAS DIVISION PT. OF MINE
	PS Form 3800, Feb. 1982	Postroak or Date AUG 10 1984	ring: or ot pil or (c) (1) mark riding oil cacter noth	Return receipt showing to whom, Date, and Address of Dethvery TOTAL Postage and Fees \$ 189 Postmark or Date 10	
The	truth	See the reverse side the required copies of Reclamation Plan.	of the Notice and App	detions, and for instructions concerning plication, plat, and Construction and	1 70 es

The truth of the information on the	CNO David
Notice and Application is verified	OPERATOR CNG Development Company
and sworm to and the Notice is	7.0
signed on behalf of the Well Operator	By shirt ten
in my County and State by	Its Nice President, James Frink
James (rink	Address P. O. Box 15746
his/Day of Jugust, 1984.	Pittsburgh, PA 15244
My commission expires 7/15 , 1986.	Telephone 412-787-3550
William It & range	02/09/2024
Notary Public, alleguing County,	02/03/2024
State of / enumbers	

INSTRUCTIONS TO APPLICANT

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
 - 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-lb(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
 - 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
 - 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
 - 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-lk and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-lk(d) and the reclamation required by Code § 22-4-l2b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-la(c) and 22-3-l2a, 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.	Gra	intee, less	ee, e	tc.	Royalty	Book	Page
Ernest Rough	Норе	Natural	Gas	Company	011-1/8	68	184
					Gas-\$75 Qr		

as of 1/1/84 assigned to Consolidated Gas Transmission 1/8 425 127 Corporation





State of Mest Airginia Pepartment of Mines Gil and Gas Division

Date	November 1, 1984
Operat	or's
Well N	O. CNGD WN 1232
	Ernest Rough
API No	0. 47 - 041 - 3518

(Continue on reverse side)

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 1290 Watershed	Frozen	Lick		
District: Freemans Ck County Lewis	3	Quadrangle	≥ <u>Vadis</u>	7.5'
COMPANY CNG Development Company				3.50
ADDRESS P.O. Box 15746, Pittsburgh, PA 15244	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Gary A. Nicholas	Tubing	Drilling	in Well	Cu. ft.
ADDRESS Rt. 2 Box 698, Bridgeport WV 26330	Size			
SURFACE OWNER Millicent Hines / Ellen Asbury 51 Franklin Street 2 Cherry Lane	20-16 Cond.			3 3 hear
ADDRESS Weston, WV 26452 / Elkview, WV 2507	13-10"		1-	
MINERAL RIGHTS OWNER Ernest Rough, Sr. Estate c/o Betty Rough ADDRESS 413 Madison Street, Weston, WV 26452	9 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK	8 5/8	916	916	To surf
ephen Casey ADDRESS Rt. 2 Box 232-D Jane Lew, WV 26378	7			
	5 1/2			
PERMIT ISSUED 9-18-84	4 1/2	3586	3586	500 sks
DRILLING COMMENCED 10-11-84	3			
DRILLING COMPLETED 10-15-84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CN	Liners used			
GEOLOGICAL TARGET FORMATION Balltown		Dep	th 3900	feet
Depth of completed well 3911 feet F	otary x	/ Cabl	e Tools_	
Water strata depth: Fresh 250 feet;	Salt	feet		
Coal seam depths: 1247 - 1251	Is coal	being min	ed in the	area? NO
OPEN FLOW DATA Speechley Warren Bayard & 5th Gordon & G. Stray	Pa	y zone dep	3397 - 3103 - th 2701 -	3405 3181 2755 feet
Gas: Initial open flow Mcf/d				Bb1/d
Final open flow 1555 Mcf/d			and the second second	
Time of open flow between initi				
Static rock pressure 500 psig(surface				
(If applicable due to multiple completion-				02/09/202
Second producing formation		y zone dep		
	COLUMN TO SERVICE STATE OF THE PARTY OF THE			
Gas: Initial open flow Mcf/d				

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

Allegheny Perf Speechley 3397 - 3405; 9 holes; (.41)
Warren 3103 - 3181; 9 holes (.41)
Bayard & 5th 2701 - 2755; 10 holes (.41)

Gordon & G Stray 2396 - 2536; 10 holes (.39)

Dowell Frac 1st Stage - Break 2700, HHP 1490, BPM 30, Avg. PSI 2027, 500 gal 15% HCL, 25,000# 20/40 Sand, Total Fluid 422 BBL, ISIP 800, 5 min 700

2nd Stage - Break 2200, HHP 1738, BPM 23.6, Avg. PSI 3006, 500 gal 15% HCL,

30,000# 20/40 Sand, Total Fluid 465 BBL, ISIP 800, 5 min 700 3rd Stage - Break 1700, HHP 1444, BPM 30, Avg. PSI 1964, 750 gal 15% HCL, 60,000# 20/40 Sand, Total Fluid 730 BBL, ISIP 1200, 5 min 1100

4th Stage - Break 1800, HHP 1765, BPM 30, Avg. PSI 2400, 500 gal 15% HCL, 50,000# 20/40 Sand, Total Fluid 595 BBL, ISIP 1400, 5 min 1200

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale	0	230	Coal 230 - 236 1247 - 1251
Coal	230	2236	1290 - 1294
Sd, Sh & RR	236	1247	Water 250'
Coal	1247	1251	
Sand & Shale	1251	1290	
Coal	1290	1294	
Sand & Shale	1294	1732	
L. Lime	1732	1750	estigose, et agonogatori ko ^{lonik} e. Stakin sint konnestago eskologatori
Shale	1750	1777	27 pp. 17 (2014)
B. Lime	1777	1840	
Shale	1840	1850	
Injun	1850	1928	
Sd, Sh & RR	1928	3911	
SEE ATTACHED SHEET			
	4 y - 3 y -		The case in the case of the ca
		voling	

(Attach separate sheets as necessary)

CNG Development Company
Well Operator

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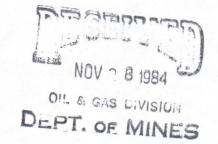
02/09/2024

Date: November 1, 1984

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including

wal, encountered in the drilling of a well."



CNGD Well No. 1232 Ernest Rough Lewis County, WV API No. 47-041-3518

LOG TOPS

Formation	Тор	Bottom
Big Injun	1850	1940
Weir	1956	2096
Gordon Stray/Gordon	2390	2538
5th	2696	2710
Bayard	2746	2760
Warren	3094	3160
Upper Speechley	3276	3311
Speechley	3364	3414
Balltown	3510	3600

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES



INSPECTOR'S WELL REPORT

Permit No.41-3578

OIL & GAS DIVISION

DEPT. OF OMINES

pany CNG Derlif. Co.	CASING AND TUBING	DRILLING	LEFT IN	PA	CKERS
CSS	Size				
Henes	16		3	Kind of P	acker
vo	13				7
Free BRe county Lewis	81/4			Size of_	
commenced 10 - 10 - 84	6%			Depth set	
	5 3/16		and the second s		
pletedTotal depth	3			Perf. top_	
Depth of shot	2		-	Perf. botto	nı
flow/10ths Water inInch	Liners Used		17.	Perf. top_	
fter tubing/10ths Merc. inInch				Perf. botto	om
Cu. Fţ.	CASING CEMEN	TED	_SIZE	No FT	Dat
relbshrs.	4			10. 1 1	Dat
bbls., 1st 24 hrs.	COAL WAS ENC	OUNTERED A	AT	_FEET	INCHES
erfeetfeet					
feetfeet					
ames DD 4					
setting conductor					

10-10-84 BATE Stelle Co 2/09/2024

DISTRICT WELL INSPECTOR

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

rilling Material Used		DISTRIC	Packer BRIDGES CONSTRUCTION-LOCATION	Location	G AND TU	BING
iner Location	EPTH PLACED	Amoun	Packer BRIDGES CONSTRUCTION-LOCATION	CASIN	G AND TU	BING
PLUES USED AND D	EPTH PLACED	Amoun	Packer BRIDGES CONSTRUCTION-LOCATION	CASIN	G AND TU	BING
PLUGE USED AND D	EPTH PLACED	Amount	Packer BRIDGES CONSTRUCTION-LOCATION	CASIN	G AND TU	BING
			ERIDGES CONSTRUCTION-LOCATION			BING
CEMENT-TH HERINESS	BEIB-GOOW	LEAD	CONSTRUCTION-LOCATION			51110
				N AND AN		LOST
					NAME OF STREET OF STREET	200
			10-51			
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Company of the Compan	The second secon		The state of the state of		1000000	
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rillers' Names						
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			at a large			

02/09/2024



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



OIL & GAS DIVISION

DEPT. OF MINES

	FINAL INSPECT		u .
	INSPECTORS COMPL		
COMPANY	CNG Down Co.	PERMIT NO 4/-3519 FARM & WELL NO asbury	g (9-18-84)
		FARM & WELL NO asbury	1232
		DIST. & COUNTY Free. CK.	Lewis
		AN COMPLIANC	r .
RULE	DESCRIPTION	YES)	NO
23.06	Notification Prior to Starting Wo	rk	
25.04	Prepared before Drilling to Preve		and the same of th
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite		
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing		
15.04	Adequate Cement Strenght		
15.05	Cement Type		
23.02	Maintained Access Roads	3	
25.01	Necessary Equipment to Prevent Wa	ste	9
23.04	Reclaimed Drilling Pits		
23.05	No Surface or Underground Polluti	on	
23.07	Requirements for Production & Gat		
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings		
I HAVE I	INSPECTED THE ABOVE CAPTIONED WELL	AND RECOMMEND THAT IT BE RELEA	SED:
		signed Heve Ca	Soe)
		DATE 6-19-85	
Your wel	11 record was received and reclamat	ion requirements approved. In	accordance

with Chapter 22, Article 4, Section 2, the above well will remain under bond

DATE

02/09/2024

Administrator-Oil & Gas Division

July 1, 1985

coverage for the life of the well.

