1)	Date: Jur	ne 20,	1983
2)	Operator's Well No.	Conso1	3814
3)	API Well No.	47	049

049 0754-RED 47 3) API Well No. State Permit County

DRILLING CONTRACTOR:

STA	ATE	OF WE	ST V	IRGIN	IIA	
DEPARTMENT	OF	MINES,	OIL	AND	GAS	DIVISION

Lang Brot		n los	e kaidies e					Notifical to be	
demarillon of g		Liegy silf		DOMESTIC DE	us ebolitatis	rollouge	ad Sastapao Sa	finnet bl <mark>upa</mark> hhl	
4) WELL TYPE:	A Oil	X	_/ Gas _	ons englis	Abando	ned	Ja (guovibean)	bancieroban asy	
								_/ Deep	_/ Shallow/)
) LOCATION:							Sugar Run	the course Wie	Mannington
) WELL OPER							rion	Quadrangle:	E. Duckworth
Address			Box 13		man man be	al di	Address	P. O. Box	1314
radicos					07-1314		Address	THE RESIDENCE AND PARTY OF THE	n, WV 26507-131
OIL & GAS		····z guii	,				2.5		
ROYALTY O'	WNER _	S 865 1325	1347 100 11	FERTANCE CO.	n vive sim one	12)	COAL OPERAT	UK	tion Coal Co.
Address	-				-	Sile	Address	P. O. Box	The contract of the contract o
						12)	COAL OWNER	AND THE RESIDENCE OF CHARLES AND ADDRESS OF THE PARTY OF	n, WV 26507-131
Acreage SURFACE OV	VNER	Conso1	idatio	n Coal	Co.	13)	Name	Same	ATION ON RECORD:
Address			Box 13				Address	THE PROPERTY OF THE	re treatment (8
		Morgan	ntown,	WV 265	07-1314			Ran 1 Town 1	denology (9
Acreage							Name	of anticipated t	We 2 202 (1)
FIELD SALE	(IF MAD		A Marine				Address	<u> </u>	
Address	Service Control	The state of	AN ALCOHOL	in Marine	mad thisse		antopperopropries in	BELLEVILLE STEEL	SCHOOL INT.
				100		14)			ION ON RECORD
OIL & GAS II		OR TO BE am Blos		ם			Name	In S	JUSU VI
Name	A 10 10 10 10 10 10 10 10 10 10 10 10 10	ax, WV	301	aa i ad 10	DAREST VI	series o	Address _	1	SID WICE CO
Address	COLLO	111	6.81.310173	s e dalay	K ANTERTON B		d an or il surre	THERE IS 440	11 N 2 2 1000
PROPOSED V	WORK:	Drill_	,	Drill deepe	er/	Redrill	X / Fract	ure or stimulate	JUN 23 1983
				SECURITY OF THE PARTY OF THE PA			formation		fagiopas (b)
		Other ph	ysical char	nge in well	(specify) C1	ean or	it to plug.	(IL & GAS DIVISION
GEOLOGICA							A STATE OF THE STA	DE	PT. OF MIN
17) Estimated									
18) Approxim				A CONTRACTOR OF THE PARTY OF TH			t,		H01107513
19) Approxim	ate coal se	am depths	:125	04 - 12	60	_Is coal b	eing mined in the a	rea? Yes X	/ No
CASING ANI	TUBING	PROGR.	AM	5, 22-46	Code 22-4	d dolars		conting program	20) etropored
CASING OR		SPI	ECIFICATION		of the second	TANK SE	NTERVALS	CEMENT FILL-UP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New Us			Left in well	OR SACKS (Cubic feet)	10 -60 TH
Conductor						Fernical	ini adi ali va	THE THE PRINCE	Kinds
Fresh water	rinetic p	eredw v	nues bi	re soutsail	e e de maibed	ari bani	to lest out is	notalmest teh	ALCO TO THE REAL PROPERTY.
Coal	3 %, No. 11	aus las	10831752	gaturtin	outsering to	ound H	co sol cadific."	n mail to fill train of	Sizes
Intermediate		See F	xhibit	#1	La Mag El u	a no lis	emilianizaci in	southern items	61
Production	Ka O1 26	n ibe na	i dw ydd	05.0600	to Less Frious	s stone of	humber where	base firs lood	Depths set
Tubing							a ke recordede.	with the addital	f en s
Liners		18 18 18 1	000 100	skapi tom	e Last to en	OFFIRM S	att of	no idenseb fen	Perforations:
							Chi	280 Date (4) / 1 4	Top Bottom
act two my CAZA	er (o 1 1a	22470 T	4577 C (FIR)	animir o n	ris cuit patrici	7.797 2AA	M in townships	all and the CA The	Table 1880 (P.C.)
EXTRACTION	VRIGHT	S	Street here	1334933 0	101 offi at It	ic a Ch	rá-balitannico	s incultariofie	is a five be
			owing:	i de territo	adi tostarii i			A va bedingera a	mrion add
								right to extract oil o	
The req	uirement o	of Code 22	2-4-1-(c) (1)	through (4	1). (See reverse	side for	specifics.)		
ROYALTY PR			birth gra	diswb to	How shiary	ns to u	from the even	Code Milwide	d bando
				A LONG THE RESERVE TO					ing for flat well royalty or a ne of oil or gas so extract
produced or m					on or gas in p		is not minerously		Will diff. Style
				eeded. If the	ne answer is Ye	s, you ma	y use Affidavit Fo	orm IV-60.	
Required Copi				losed plat	and reclamation	n plan hay	ve been mailed by	registered mail or de	livered by hand to the abo
									teation to the Department
Mines at Charle								7 0 >	11 -#
Notary:				Lyd-9/18/		april Yo	Signed:	WC.L	uckwords
My Commission		MILITAN DO	Dealer D	a at liquide	id and articles		Its:	roject	or all offw
								(1.00 (30) (1.1k)	us 10 aven
					OFFICE U				
	7-049-	0754-R	ED.		DRILLING	J PEKN	111	Ju1	y 168/25/2028
ermit number	est airis	1877/1121 LINE	19.115.349		L. desertià		tenwo Vis	Da Da	te
nis permit coverin	g the well	operator	and well lo	ocation sho	wn below is evi	idence of	permission grante	d to drill in accordar	ace with the pertinent lega
irements subject	to the con	ditions con	ntained her	rein and on	the reverse he	reof. Notif	ication must be g	iven to the District O	oil and Gas Inspector. r his contractor shall notify
fer to No. 10) Proper district oil a								i, the well operator of	ins contractor shall notify
		y 12,		y y				prior to the day	prosecuted with due dilige
Bond:	Agen		Plat:	Cas	ing Fe		ing is commenced	o mat date and	prosecuted in due dilige
	1 agent		-	Cas	. 10			11 1 6	

Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
 - "Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less then six thousand feet, whatever is shallower.
 - 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
 - 15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
 - 16) Anticipated formation for which well will be completed
 - 17) Self explanatory
 - 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
 - 19) All coal seam depths
 - 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
 - 21) Code 22-4-11(c) In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1)A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4) A brief description of the royalty provisions of each such lease or contract.
 - 22) Code 22-4-11(d) and 22-4-11(e).

June 20, 1983, 19

- 23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
- 24) The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by	the coal operator and by any coal owner or coal lessee
who has recorded a declaration under Code	22-4-20, if the permit is to be issued within fifteen (15)
days of receipt thereof.	

WAIVER

The undersigned coal operator	X / owner	/ lessee	08/25/ of the coal under this well loc	2023 eation has ex-
amined this proposed well location	. If a mine map exists v		of the well location, the well locat	tion has been
added to the mine map. The undersoperator has complied with all app				
250 250 and proceeding the contributions	carrotte nomana equin b	rolan CC	ONSOLIDATION COAL COMPANY	Tuesday !
		100	1 . 11 .	

May Miteuallesin

VRegional Manager of Engineering

IV-9 (Rev 8-81)



DATE June 20, 1983 WELL NO. Consor 3814

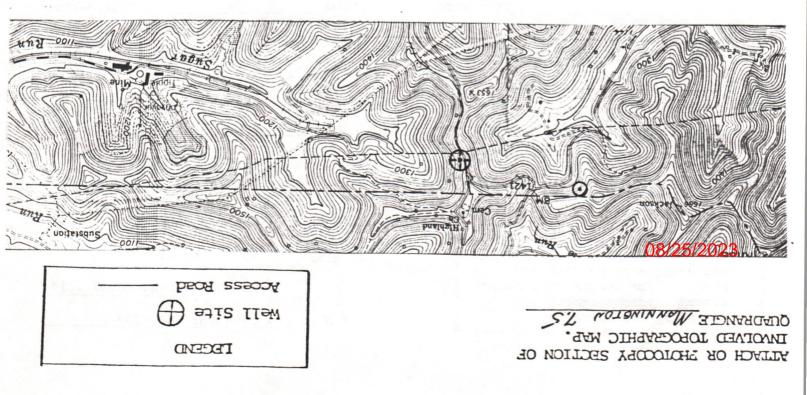
State of Mest Birginia

API NO. 47 - 049 - 0754-1

Beparlment of Mines Gil und Ges Bivision

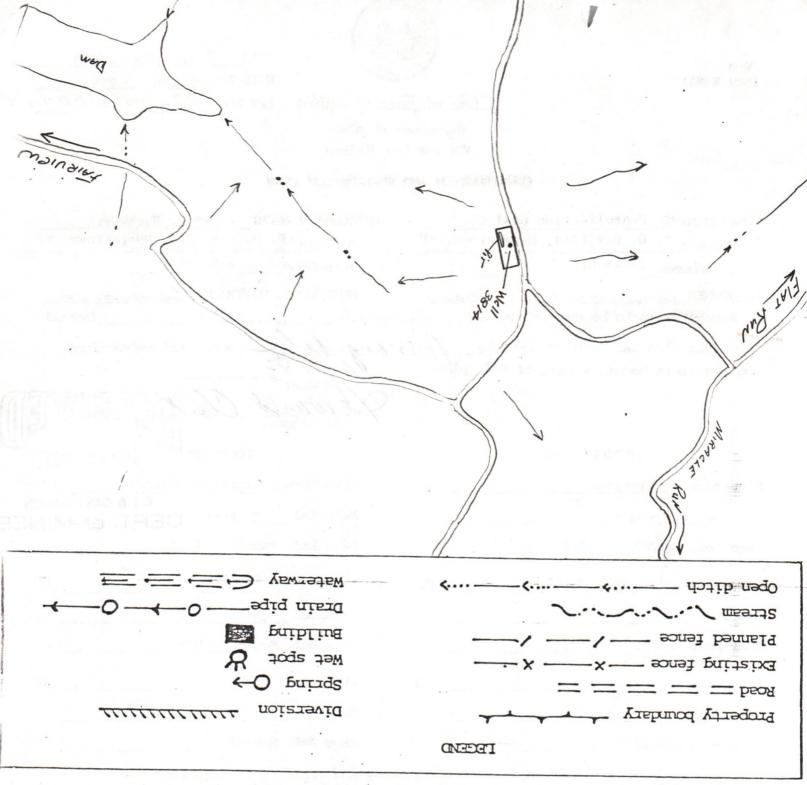
CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Consolidation Coal Co.		ESIGNATED A				
Address P. O. Box 1314, Morgantown,	WV	Address_			Morgantown	i, wv 5 507 -1314
Telephone 296-3461	_	Telephone	2	96-3461		
LANDOWNER Consolipation Cone Compar	24	SOIL CONS	. DISTR	ICT MONO	nGAH EL	4
Revegetation to be carried out by	/ /	actoiz			(Ag	ent)
This plan has been reviewed by	Mono	ngsfel	u s	CD. All	correction	s .
and additions become a part of this plan	1:	6721-8	3	• • • •		
	((Date)	0	80 14	FATER	A PERMIT
		(SCD Age		hull	BOEL	AGI
ACCESS ROAD			LOC	MOITA	JUN 23	1983
Structure Culverts	(A)	Structure	Dive	rsion Dit	ches Oil & GAS D	(1)
Spacing Minimum Size 12" I.D.		Material_	Eart	hen DE	PT. or	
Page Ref. Marmal I-8		Page Ref.	Manual	I-11		_
Structure Drainage Ditch	(B)	Structure	Rip	Rap		(2)
Spacing		Material	Rock	()		_
Page Ref. Marmual I-11		Page Ref.	Manual	N/A		-
Structure	(C)	Structure		•		_ (3)
Spacing		Material_	100 m		1747	_
Page Ref. Manual		Page Ref.	Mamual			_
All structures should be inspected commercial timber is to be cut and st cut and removed from the site before	tacked o	nd all brush rk begins.	red if	necessary all timbe	. All r to be	
Therefore I have T			Treatm	ent Area	17	
Treatment Area I		Lime	110001		Tons/	2000
or correct to pH 6.5	=		rect to	рн 6.		acre
Fertilizer 600 lbs/acre		Fertilize	r 60	0	lbs/a	cre
(10-20-20 or equivalent)				-20 or eq		
Mulch Hav 2 Tons/acre	2	Mulch	·Hay		2 Tons/	acre
Seed* Ky 31 30 lbs/acre		Seed*	Ку		30 lbs/a	cre
Ladinol Clover lbs/acre					lbs/a	cre
lbs/acre			100		lbs/a	CTP.
*Inoculate all legumes such as vetch, Inoculate with 3% recommended conount.	trefoi	l and clover			r bacteriu	
	FLAN F	FEFARED BY_		er E. Duc		-
COSES: Please request landouners'		ADDRESS	P. (D. Box 19	8/25/2023	3
seedling for one growing scason. Attach separate sheets as		-	Morg	gantown,	WV 26507-1	314
necessary for comments.		FHONE NO.	296-	-3461 Ext	. 232	



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

MEIT SILE BIYN





JAMISON COAL AND COKE COMPANY

ENGINEERING DEPARTMENT -

Record of Well No	Co Legge 12466 90	Company
	이 바람이는 그 집에 나가 되면 보다면 그 말이 하는 것이다. 그렇게 되었다.	
Cemented	See Vol. Page	
Coal above Pittsburgh Coal	Coal below Pittsburgh Coal	
Depth of Pittsburgh Seam, topft. bo	itom 260ft. Depth of Hole 34F.	ſt.
Usedfeet ofcasing. U	sed Cement;	sand
Romarks: abandance 6	-20-1912 pho	
Said to be withess at	Cemeaning	
Located from Survey	19 Vol 2208 - Page 1/2	
	19. Vol. 2208 Page //2	
10 2201 Sheet 101 Nat. 51	19. Vol. 2208 Page 112 566, 69 Dep. 4058156	
rell started 1-16-1897 Well completed 5-7-1897 emented See Vol. Page pal above Pittsburgh Coal Coal below Pittsburgh Coal epth of Pittsburgh Seam, top fi. bottom 1200 ft. Dopth of Hole 3485 sed feet of casing. Used Cement; sund emarks: Abaulus 6-20-1912 pho with the set of the second for the second f		
fuled with slove?	566, 69 Bep. 4058156 reduces in hole flush i	vita s
Well started 1-16-1897 Cemented See Vol. Coal above Pittsburgh Coal Coal below Pittsburgh of Depth of Pittsburgh Seam, top ft. bottom 1200 ft. Depth of Depth of Cement; Remarks: Said to be oil Witness at Cementing I greated from Survey 19 Vol. 7208 This: Found wood candidle in fort for first formal wood fully witness in fort fully witness at Cement, and fort fully witness at Cementing fully words and fully with slower to surface, cle 2' down found slower fully witness at Cementing in fort fully words and fully with slower to surface, cle 2' down found slower fully witness at Cementing in fort fully with slower to surface, cle 2' down found slower fully with slower to surface, cle 2' down found slower fully with slower to surface, cle 2' down found slower fully with slower to surface, cle 2' down found slower fully with slower to surface and slower fully with slower to surface, cle 2' down found slower fully with	566, 69 Bep. 4058156 reduces in hole flush i	vita s
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fulled with slone? 2' down found sl no Vent	19 Vol. 2208 Page 112 566. 69 Dep. 4058156 relicies in hole flush i	vita s

Form 251 2M-11-10

LEASE No. 12426

3814

18814

CERTIFICATE OF PLUGGING.

SUPERINTENDENTS AND FOREMEN OF SOUTH PENN OIL COMPANY:

Your attention is called to the provisions of the law herein quoted as Section 2853 of West Virginia Code, 1905, governing operators or owners of oil or gas wells about to be abandoned in West Virginia, and in harmony with the previsions of the law, as herein quoted, so soon as a well is about to be abandoned. You will provide everything that is necessary to plug said well, as provided in the section quoted; and, when abandoned, fill out one of these notices and certificates, and, after having each person engaged on the well, while being plugged and abandoned, zertify to the facts as herein provided, by affixing his signature, the foreman or superintendent will also certify to the facts of his own knowledge by signing the same.

This signed certificate will be forwarded to the office of the Company, to be filed with the papers pertaining to the property in question.

"2. It shall be the duty of the owner of any well drilled for any of the purposes mentioned in the first section of this act, before abandoning or ceasing to operate the same and before drawing the casing therefrom, to fill up the well with sand or rock acdiment to a depth of at least fifty feet above the top of the oil or gas bearing sand or rock, and drive a round, seasoned wooden plug, at least three feet in length, equal in diameter to the diameter of the well, below the casing, to a point at least five feet below the bottom of the casing; shall drive a round, seasoned wooden plug at a point just below where the lower end of the casing rested; which plug shall be at least three feet in length, tapering in form, and of the same diameter at the distance of eighteen inches from the smaller end, as the dismeter of the bole below the point at which it is to be driven. After the plug has been properly driven, there shall be filled in on top of the same sand or rock sediment to the depth of at least fifty feet above the top of the oil or gas

be filled in on top of the same sand or rock sedime bearing sand or rock."	经确定的经验的证据是不是是否可能的规则是被决定	The same of the Alberta and the same of the same of	是不是是他们,大人为中国中华的中华的一种。
1 certify that on the	day of Aport	19/4	., I was employed
by South Rein all the	to wo	rk on Well Number	and in the same
3 W. Watzel	Farm, in Than	in	County,
and State of West Virginia, and that I read and exami plugged in accordance therewith. In addition to the requirements of the above law,	25.3.50 P. 20.50 P.	A CONTRACTOR OF THE PARTY OF TH	SEPTEMBER OF THE WEST OF THE STATE OF
further perfected in the following manner:		a, the work of plugg	tuk sam ach ass
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Then well was filled up 10xt whom lorden sand with rever rediment " a
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Worden plug 10 ft more Rich selichent a 5 in thead plug and 10 ft
with the different the day of the day
more that didiment on the of same after the 5to casing was full
a 6-morting was set at addipth of 2172 It 10 /t of Roll sediment
was full on top of this a relika 6 monthing was not with 10 ft.
more Porch redilient on Top of same after & & caring me pulled
an 7 in providing sting were set at a depth of about 500 t and a 10 in
merchen John set at white 330 st mich & of the selection of the selection to the selection of the selection
came, the race run in all plage to both except 5 x 10 min plage
which could not be done on account of well caving
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Approved Michael (
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Limitelleredge most start
I. S. Blodgett

Foreman.

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- चानः				FORMAT	ION RECORD			6/2	1. V V
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	100	4 6 1				6	0	N P	
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Lunbard	1787			/	OF 357-	357		NAMES I	SALE POR
yas same	18.00				-14 1787-	1787		100 A L 10	14 66 VIII 1
Salt 11	2100	2204		6	Sto 2204	-1357	4"		Total States
" water	2/30		1	5	7 2695-	2172:8	FI		
Biz Inyun	2548	2750		4	1 x4 256			440° W. 34	Western
Siz Inyun	2668				2 maria	11/1/2	1090	- 32	10 to
Yant rand	3105	3115							
co'ten s	3150	3715					Traces of		J. P. Land
Stray "	3395	3452		DAY DE LEGISLATION DE CONTRACTOR POR CONTRACTOR POR CONTRACTOR POR CONTRACTOR POR CONTRACTOR POR CONTRACTOR PO				-	
Hordon.	3454			and the specimens of th			1		
oie .	3469	3							
Stray " Hordon oil Total Dysa		2485							
								100	
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	-								

PLUGGING RECORD

and or Zone Reco	Filling Material	Plugs Used	Cas	sing	
Formation		Size & Kind	Pulled	Left in	
			 	+	
			-		
	indicates in the contract of t				_
					-
Specifical residence of the control			-	-	_
	ikusikan katangan mendilan mengilan-negara terupunan mengaha, amingga mendenak sinay magmilan me Bililan mengalan persambinan dari pengangan pengangan pengangan pengangan pengangan pengangan pengangan pengan				_
					_
	ameninka umah mendi semenjuah mendi atenda yangah Ameninkanya jaya atendah pajan 25 hang. Makal Abesa da 12 ma Palaunnan terdi bang da 2 menduan dan semenjah mendikan menduan menduan da 18 mendi bangan da 18 mendi kebuah				
	ment ament various on the material account of the problements are to proper section of the best of the section and		-		-
					. V
	Figures at Figure 5 and 12				

049-0754 Permit No.

Description of Monument

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES



OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT GAS DIVISION DEPT. OF MINES

er Lo	cation	Amount	Packer	Location	The state of the s	
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	Los
			loal 1260-1268'			
	Cleaned out	to	1800†			
	4 1/2 run fr	o surface	to13691			
	2' tubing se	t from	1369 t0 1786-33			
	Latch down p	lug set a	t13371			
	Float valve	set at-	1344			TO CONTINUE STREET IN SURGEST STREET
	Swedge set a	Comment of the commen	1369,33			
	Thixatropic	cement pu	mped from T.D. to 1160'			
			1160 to surface			
	Good circula	tion. Appr	coved by this inspector			
lers' Names	Mark Wright,					

I hereby certify I visited the above well on this date.

William T Dlocker //

D1001201202000

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

rermit No.	Oil or Gas Well					
Company	• • •	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACE	ERS
Address		Size				
Farm		16		4	Kind of Pac	ker
Well No		10			Size of_	
District	County	81/4				2018/11
Drilling commenced		6%			Depth set	
Drilling completed	Total depth	5 3/16			Perf. top	
Date shot	Depth of shot	2		- Santagara de la companya del companya del companya de la company	Perf. botton	
Initial open flow	/10ths Water inInch	Liners Used		Small a pressure of	Perf. top	
Open flow after tubing	/10ths Merc. inInch				Perf. bottom	1
Volume	Cu. Ft.	CASING CEMEN	NTED	_SIZE	No. FT	Date
Rock pressure	lbshrs.	NAME OF SER	VICE COMPA	NY		
Dil	bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES
Fresh water	feetfeet	FEET_	INCH	ES	_FEET	INCHES
Salt water	feetfeet	FEET_	INCH	ES	_FEET	_INCHES
Orillers' Names						
Remarks:				5 6	5 7 8	

EXHIBIT NO. 1

Plugging Technique To Be Utilized When A Previously Abandoned Well Cannot Be Cleaned Out To Its Total Depth

OIL & GAS DIVISION

Since the inception of Consolidation Coal Company's well Flugging am, a total of 100 previously abandoned oil and program, a total of 100 previously abandoned oil and gas wells have been effectively plugged and a total of 42 wells have been successfully mined through.

Using the experience and technology gained from these successful operations. Consol proposes an alternate, safer method of plugging abandoned oil and gas wells.

The method proposed will enhance present day mining through safety standards by:

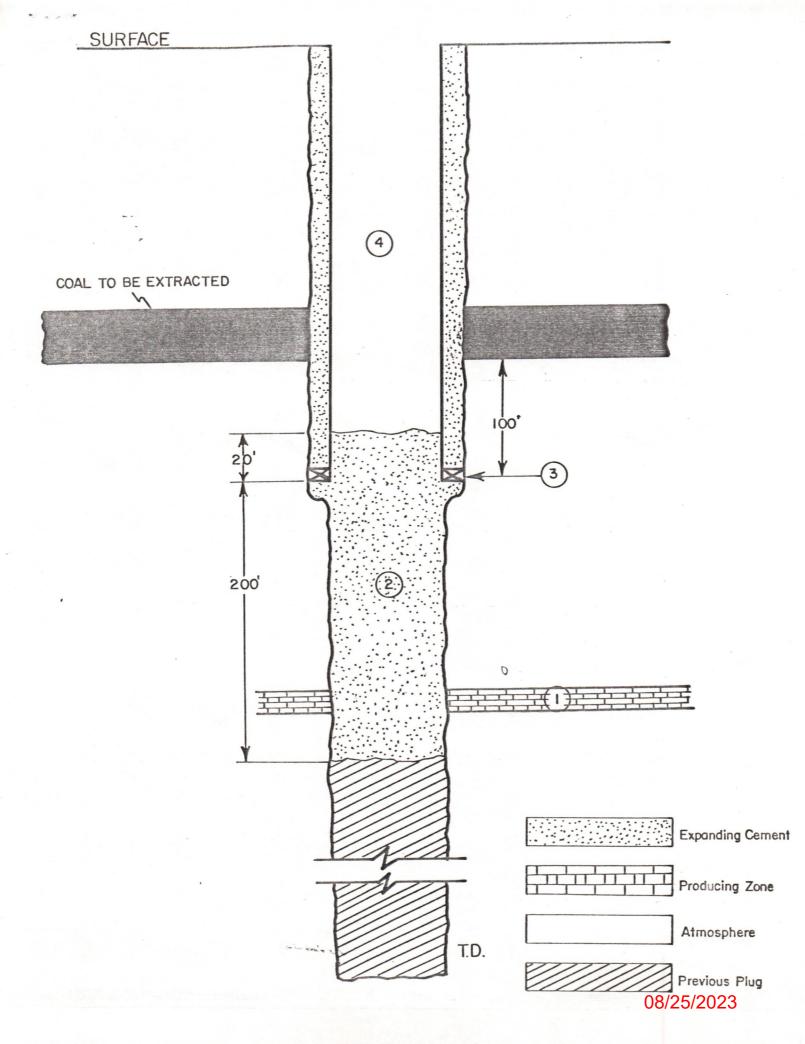
- 1. Allowing for more sealing material (expanding cement) in critical areas within the wellbore below the coal bed of interest.
- Allowing for a positive indication of the environment within the 2. wellbore across the coal seam.
- Allowing for the use of the existing wellbore for other mine 3. usages, i.e. methane drainage, power holes, etc.
- Using a cleanout technique which lends itself more readily to rotary operations which are inherently safer than cable tool operations.

Therefore, it is felt that the proposed technique as set forth below will provide an alternate method of plugging abandoned wells, which is as safe or safer than today's method.

- A diligent effort shall be made to clean the wellbore to total depth. If this depth cannot be reached, the wellbore will be cleaned out below the first possible hydrocarbon producing zone 1) and/or no less than 300' below the lowest mineable coal seam.
- A $4\frac{1}{2}$ " vent pipe (or larger) shall be run into the wellbore to a depth 100 feet below the lowest mineable coal seam. This coal protection string of casing shall be cemented by circulation with expandable cement from the bottom of the casing to the surface using standard cementing practices.
- An expandable cement plug (2) will be set in the wellbore adhering to the following specifications:
 - The wellbore shall be filled with fluid from a point 300 feet below the lowest mineable coal seam to the surface, such that an over balanced condition will exist in the wellbore.

Plugging Technique
Page Two

- b) While maintaining this over balanced condition in the well-bore, an expandable cement plug shall be set through tubing by the "balanced plug" method. The bottom of said cement plug shall be no less than 300 feet below the lowest mineable coal seam and shall extend 20 feet (80 feet below the coalbed of interest) into the $4\frac{1}{2}$ " casing.
- c) After the cement has had adequate time to harden, the plug shall be tagged to verify the exact final location and condition of the plug.
- 4. In order to determine the effectiveness of the sealing project, all fluid shall be evacuated 4 from the wellbore. A vent shall then be installed on top of the casing in such a manner that will prevent liquids and solids from entering the well, but will permit ready access to the full internal diameter of the coal protection string when required.
- 5. Prior to commencement of "mining through" operation, Consol shall sample the atmosphere across the coal seam for methane. This sample will prove the effectiveness and condition of the sealing process.







STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

OIL & GAS DIVISION

DEPT. OF MINES

NOTICE OF INTENTION TO PLUG AND ABANDON WELL

(REQUIRED BY SECTION 9. ARTICLE 4. CHAPTER 22 OF THE CODE)

To THE DEPARTMENT OF MINES, Charleston, W. Va.

Consolidation Coal Company
Name of Well Operator
P. O. Box 1314, Morgantown, WV 26507-131
Complete Address
June 20, 1983
Date WELL TO BE ABANDONED Paw Paw District
MarionCounty
Well No. 3814 (Conso1)
John WhetzelFarm
Telephone 363-9105

The undersigned well operator is about to abandon the above described well and will commence

the work of plugging and abandoning said well on the date inspector is notified (which date shall not be less than five days after the day on which this notice so mailed is received, or in due course should be received by the Department of Mines).

This notice is given you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not represented the undersigned will proceed on that date, or shortly thereafter, to plug and fill said well in the manner required by Section 10, Article 4, Chapter 22 of the Code and given in detail on the reverse side of this notice, in "Work Order."

This notice is being mailed by registered mail to each of you at the above addresses on the above date.

Well Operator

NOTE: Upon the abandonment of any well drilled prior to June 1, 1929, a plat prepared by a registered engineer, shall be filed with THREE COPIES OF APPLICATION, (OG-9) AND "WORK ORDER" AND TWO COPIES OF THE WELL RECORD, (OG-10). The map must show the district and county in which the tract of land is located, the name and acreage of same, the name or names of the owners and names of adjacent tracts and the location of the well to be abandoned, determined by survey with the courses and distances of such well from two permanent points or landmarks-on said tract, in compliance with Rule 5 of the Rules and Regulations.

NOTE: In case plugging is not commenced within four months from the date of permit, same

shall expire and be of no further force or effect.

NOTE: PERMIT IS NOW TRANSFERABLE.

PROPOSED MANNER OF PLUGGING AND FILLING WELL

(REQUIRED BY RULES AND REQUESTIONS)

WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

WORK ORDER

Well to be plugged and filled as follows:

- 1. Clean out wellbore to T.D., if practical.
- 2. Fill wellbore with fluid such that an "overbalanced" condition----exists in the wellbore.
- 3. Set through tubing, by the "balanced plug" method, an expandable cement plug adhering to the following specifications:
 - a. The bottom of the cement plug shall be no less than 300' below the lowest mineable coal seam and shall extend to no less than 100' below the lowest mineable coal seam.

 (The plug shall be no less than 200' in length).
- -4. Run $4\frac{1}{2}$ " O. D. vent pipe to the top of the expandable cement plug (100' below the lowest mineable coal seam).
- 5. Cement the 10" x $4\frac{1}{2}$ " annulus from the bottom of the $4\frac{1}{2}$ " 0. D. casing to the surface and 20' inside the $4\frac{1}{2}$ " 0. D. pipe with expandable cement.

72.00 J. 1 1 2.4 . . .

(See Exhibit No. 1)

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To the Department of Mines
Coal Owner or Operator,
Lease or Property Owner.

IF PARTIAL PLUGGING PLEASE SUBMIT REVESED WELL RECORD WHEN WORK IS COMPLETED.

Gentlemen:

This "work order" is submitted for your approval and concurrence and unless notified of your disapproval or non-concurrence, the undersigned will proceed with the plugging and filling of said well in the above described manner on the date inspector is notified after permit is issued.

Koger Kuckwarth

Well Operator

No objections have been filed by the coal owner or coal operator, or any available adjacent lease or property owners or interposed by the Department of Mines to the manner herein described for the plugging and filling of the well above mentioned. Therefore, the same is hereby approved this

12 May of July ____, 1983.

DEPARTMENT OF MINE 25/2023
Oil and Gas Division

Oil and Gas Division

NOTE: This "work order" shall be filed in triplicate, one copy for the files off the Department of Mines; one to be approved or corrected and returned to the well operator as his authority for inlugging said well; and one for the well inspector.

By:

(Allidavit of Plugging)

DEPARIMENT OF MINES

OIL AND GAS WELLS DIVISION .

AFFIDAVIT OF PLUGGING AND FILLING WELL

	oal Company	Consc	olidation Coal Com	pany			
	OPERATOR OR OWNER		NAME OF WELL	OPERATOR .	07 171		
P. O. Box 1314, Morgantown, WV 26507-1314			P. O. Box 1314, Morgantown, WV 26507-1314				
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Same as above		Paw Paw Distri					
Consolidation C	oal Company	Mario	on		וווצנות		
LEASE	OR PROPERTY OWNER				_Count		
Same as above	ADDRESS	Well. N	3814 (Consol)				
		John	Wetzel		Farr		
ATE INSPECTOR	SUPERVISING PLUGGING	Will:	iam Blosser	TETT	71611		
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State of West Virginia Department of Mines (Dil and Gas Division (Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT



OIL & GAS DIVISION
DEPT. OF MINES

COMPANY	CONSOLIDATION COAL CO	PERMIT NO		574 R.P
MOB	GANTOWN WIU			TZEL-3814
		DIST. & COUN	TY PAW P	PAW/MARION
			IN COMPLIA	
RULE	DESCRIPTION		Yes	No
23.06 16.01 17.02 18.01 23.02 25.01 23.04 23.05 17.06 7.06 7.05	Notification Prior to Starting Work Required Permits at Wellsite Method of Plugging Materials used in Plugging Maintained Access Roads Necessary Equipment to Prevent Waste Reclaimed Drilling Pits No Surface or Underground Pollution Statutory Affidavit Parties Responsible Identification Markings			
I HAVE	INSPECTED THE ABOVE CAPTIONED WELL AN	D RECOMMEND T	HAT IT BE	RELEASED:
		SIGNER	48	Elli
		DATE <u>4-</u>	5	84
Your Af The wel	fidavit of Plugging was received and and and and and and and and and an	reclamation reer has been re	equirement	s approved.
		Administrato	or-Oil & C	lac Division
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		Apı	ril 27, 19	84

DATE

