



1	Date: J1	ine	8,		, 19 84
2	Operator's Well No.	A.	Thomas	#2	
3	ADI Well No	47	- 00	1 -	2077

County

Permit

State

	OIL &	GAS	DIVISION	V
D	EPT.	OF	MIN	EE

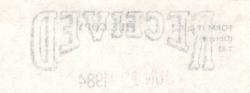
STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

				VV			-	
4) WELL TY				as XX /	ONS (IF ANY)	MUNICONDINA	DIECATIONS	ON TIMES
6) LOCATIO		vation: _	Productio	687'	/ Underground	Sugar	Creek (M	Shallow XX
5) LOCATIO			Glad		Watershed: County:	Barbour		Belington 7.5
6) WELL OF					County:			ack Childers
Addres	DL		Box			7) DESIGNATE		Box 181C
Addres				W. Va.	26330	Address		ort, W. Va. 2633
8) OIL & GA		N. BOZINE			20330	9) DRILLING C		OIL, W. Va. 2033
	Russel			TIED				hrust Drilling,
Addres			x 160			Address		
Addres		A STATE OF THE STA		. Va. 20	5416	Address	THE RESERVE OF THE PARTY OF THE	W. Va. 26323
N BROBOSI					20 20 20			
0) PROPOSI	ED WELL	WORK:					/ Stimulate 🔀	% /
						rate new formation		
CEOLOG	ICAL TAR	CET EOD			in well (specify)			
12) Estim	ated depth of	of complete	MATION	, FOX	Sand			
					fee			
						t,		J
CASING				140	IS Co	oal being mined in th	e area? Yes	/ No/
CASING OR	II		CIFICATIONS		II FOOTAGE	INTERNALO		
TUBING TYPE			Weight			INTERVALS	OR SACKS	PACKERS
	Size 113/4	Grade	per ft.	New Used	For drilling	Left in well	(Cubic feet)	
esh water	1172/4	API	43	X	20	20	To surface	Kinds
termediate	0 E /0	TEE	22	37	70501	7.050		Sizes
oduction	8 5/8	J55	23	X	1050'	1050'	To surface	NEAT
bing	4 1/4	033	10.5	X	Transaction of the Control of the Co	5600'	600 sks	Depths set
ners					CALLAND SIGNED	S21 (1917) / S	or as	reg. Dy rule 15.
liers		25.00						Perforations:
		<u>nangoe</u>	EDITO CLAS	sredkol vrin h	re 36 Stroathtable	alicinado intehs	Thursday of sife	Top Bottom
					7			
 						9186		
				e)nouteyen	OFFICE USE	ONLV		Application received
		7			DRILLING PE			
				**************************************	DRILLING FE	RIVITI		
rmit number_	47-0	01-207	77				June 11,	19 84
							Dat	ellian art la neitelame
is permit cove	ring the wel	ll operato	r and well	location shown	below is evidence	of permission grante	ed to drill in accordan	ce with the pertinent legal re-
ir cilicitis subje	ct to the con	nultions C	ontained i	ierein and on th	e reverse nereot. No	otification must be a	ven to the District Oil	and Cas Inspector (Defente
trict oil and g	as inspector	24 hours	before act	tual permitted v	work has commence	d.)	ell operator or his con	tractor shall notify the proper
erse hereof.	ork is as acs	crioca in	the Protice	and Application	ii, piat, and reciam	ation plan, subject to	any modifications ar	nd conditions specified on the
mit expires _	June	11, 1	986		unless well	work is commenced	prior to that date and	prosecuted with due diligence.
							prior to that date and	prosecuted with due diligence.
Bond:	Agent:	W P	lat:	Casina	Fac			
Pl. il	I - a		iat.	Casing	Fee)
DIAMRET	MM	r	nJI	111/6	7/	100	. 1	1
					/	1 10400	not 1	time
						Admi	nistrator, Office of Oi	il and Gas
TE: Keep or	ne copy of t	his permi	t posted at	the drilling loc	ation.	//	, 3 01 01	
								File

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

2) Operator's Y903 AII (B)2-VI MRO7
Well No. 47
3) API Well No. 47





STATE OF WEST VIRGINIA

POR DESCRIPTION OF THE PROPERTY OF THE PROPERT	Deep Outdoor (7) Outdoor (7) Outdoor (7) Outdoor (7) Stimulate Foot: area?, Yes.	TIGNOO GNA torage SQUEST DESIGNATED Address Name Address	Underground s Watershed: Watershed: County: County: County: County:	OT (Y	PIED Verification of the control of	Production Production Production Guide BE NOTH Bring Plug of Other p cd well,	F' Gas'', varion: varion: varion: varion variot var	ROW LU B (II B) (II D) (II C) (II	5) LOCATIO 6) WELL OP! Address Name Name O) PROPOSEI 1) GEOLOGI 12) Estima
Shallow Table Control of the Control	Deep Outdoor (7) Outdoor (7) Outdoor (7) Outdoor (7) Stimulate Foot: area?, Yes.	iorage Scient Sc	Underground s Watershed: Watershed: County: County: County: County:	Drill Drill ange in the control of t	PIED Verification of the control of	Production L C C C C C C C C C C C C C C C C C C	F' Gas'', varion: varion: varion: varion variot var	B (II N: Elev Dist ERATOR SINSPECT CALTARC	5) LOCATIO 6) WELL OP! Address Name Name O) PROPOSEI 1) GEOLOGI 12) Estima
control of the contro	Quadrangle Quadrangle NAGENT CAGGO ONTRACTOR: CCCO OVO Stimulate Area?, Yes	DESIGNATED Address Name Address Address Redrill Redrill Redrill	Watershed: County: E SSO Seper deeper rell (specify) feet: sait,	Z C C C C C C C C C C C C C C C C C C C	PIED V V V V V V V V V V V V V V V V V V V	BE NOTIL	vation: rrict rrict FOR TO VORK:	N: Elector Distriction of the control of the contro	6) WELLOP! Address Name Name O) PROPOSE! 12) GEOLOGIE 12) Estima 12)
eddi Caiders Low 1910 Lo	AGENT CT AGE ONTRACTOR: OUTRACTOR: OUT	7) DESIGNATED Address Name Commented Address Redrill Redrill	deeper Perfora Perfora feet feet sait,	mation ange in SA	PIED V V V V V V V V V V V V V V V V V V V	BE NOTIL	FOR TO	Dispection of the contract of	Address Name Name Address O) PROPOSEI CEOLOGI 12) Estima
POLICE PRELICES ENLUCE PRELICES XX. 600 XX No. X	Stimulate feet: Step: Stimulate feet: area?, Yes.	Address P) DRILLING CC Name Address Redrill Redrill te new formation	deeper Perfora Perfora (specify) feet feet sait,	mation ange in SA	f old for hysical ch	BE NOTII Brill Plug of Other p MATION cd well,	FOR TO	S INSPECT	Address Name Name Address O) PROPOSEI CEOLOGI 12) Estima
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XX::600 YELL 26323 XX	Stimulate Stimulate foct:	Address Redrill Re, new formation	Perfora	mation ange in SA	f old for hysical ch	Plug of Other p MATION ed well,	JET FOR	D WELL W	D) PROPOSEI GEOLOGÍ 12) Estima
X No of X	Stimulate feet. area?, Yes	te new formation	Perfora	mation ange in SA	f old for hysical ch	Plug of Other p MATION ed well,	JET FOR	CAL TARG	I) GEOLOGÍ I2) Estima
X so on s	foot. area?, Yes	te new formation	Perfora	mation ange in SA	f old for hysical ch	Plug of Other p MATION ed well,	JET FOR	CAL TARG	I) GEOLOGÍ I2) Estima
14	foot. area? _s Yes		vell (specify)	ange in v	hysidal ch	Other p MATION ed well,	JET FOR		12) Estima
14	area?, Yes	l being mined in the	feet; salt,	3		ed well,			12) Estima
	area?, Yes	l being mined in the	feet;sait_				fcomplet	ted depth of	
	area?, Yes	l being mined in the				the second second second			consistent of the
			DUV 61						13) Approx 14) Approx
PACWERS									CASING A
	UNIMED OF STREET	TERVALE	FUOTAGEEN			IFICATIONS	SPEC		CKSING GR
	OR SACKS (Cobie feet)	Left in weil	For drilling	bsel	New I	Wolght per ft.	Grade	Size	TERRING TARE
See - Kinds			98,		12	4,2	ISA.	1 X8.14	
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K-3/1						0.0	72.75		ial !ermediate
TACH!						6.01			noticulo
I Alex UN DON	er 05	OFFI	CE USE ONL	Y					gnide
Pertonana									
his part of Form IV-2(b)	is to record th	e dates of certa	in occurrences	and an	y follow	v-up insp	ections		
		Date						Date	(s)
			Follow-	un incr	ection(s)			
Application received			HICE USE O	10	cetion(s	,		Annual Control	
Well work started		TIM	HILLING PER	IU	,,				
8 et							595-15		mit tiumber
Completion of the drilling	1								
lance with the pertinent season	to drill in accord	permission granted	ow is evidence of	hown be	location s erem and	r and well ontained h	i operator ditions ci	ing the well tidathe con	is permit cover rements subjec
Well Record received	t operator or his c		SECTION DESIGNATION OF THE PARTY OF THE PART		11				
Reclamation completed	any modifications	on plan, subject to	la,, and reclamati		lqq4,bns	the Notice	ni bedin	rk is as desc	e permitted wor erse hereof,
	Nor40 that date ar	ork is commenced p	unless well w			956	P.IL		mit expires
OTHER INSPECTIONS									1
				Fe	Casing >	lat:	g V	Agent;	3ond:
Reason:			P V	123	TITT	(tree	N	Jacob	3/20/2
Reason:		I drawn	1 -	7-21	- CLE	1121			L'

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 § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

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

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

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

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

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
Fox Drilling, Co.	Ralph & Jack Park	Gas	99 271
arden M. Shomas Oma O. Thomas	Robert E. Fox (For Nrilling)	1/8	94/493

FORM	IV-2(A)
Obver	se
[8-83]

	Date:	Jui	ne 8,	,19	84
2)	Operator's				-
	Well No.	Α.	Thomas	#2	

3) API Well No. 47 - 001 - 2077
State County Permit

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

		DEPARTMENT OF MINES,	OFFICE OF	OIL & GAS
		NOTICE OF APPLICATION F	OR A WELL	WORK PERMIT
) SURF	ACE OWNER	(S) OF RECORD TO BE SERVED		COAL OPERATOR
(i) N		en Thomas, Sr.		Address
A	adress_R	t. #2, Box 203	E (::)	2017 019
(ii) N	B	elington, W. Va. 26250	5(11)	COAL OWNER(S) WITH DECLARATION ON RECO
				Address Hillman Coal Co.
				- Grant Blag.
iii) N	ame			Name Pittsburgh, Pa. 15219.
	22222			Address
			5(iii)	COAL LESSEE WITH DECLARATION ON RECORD
				Name_
				Address
		TO THE PERSON(S) NAMED ABOVE: You should h	ave received thi	e Form and the full
		(1) The Application for a Well Work Per	mit on Form TI	2(D) (
		to be plugged, which sets out the and describes the well and its loc	parties involved	l in the drilling or other work
		cementing program:	action and, if ap	plicable, the proposed casing and
		(2) The plat (surveyor's map) showing	the unlike leasting	
	_	plug a well), which sets out the preclamation for the site and access		and sediment control and for
		THE REASON YOU RECEIVED THESE DOCUMENTS	TC MIDM HOLL IN	VE DICHTS DECADDING THE ADDRESS.
		WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU	N THE REVERSE S	IDE OF THE COPY OF THE APPLICATION
		(FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU.	HOWEVER, YOU	ARE NOT REQUIRED TO TAKE ANY
		Take notice that under Chapter 22 of the	e West Virginia	Code the undersity is
	•	erator proposes to file or has filed this No for a Well Work Permit with the Administrator	tice and Applic	ation and accompanying documents
	I	Department of Mines, with respect to a smill	of the office	of Oll and Gas, West Virginia
	ě	and depicted on attached Form IV-6. Copies Construction and Reclamation Plan have been	of this Notice,	the Application, the plat and the
	l l	by hand to the person(s) named above (or be	maries by regis	tered or certified mail or delivered
	1	before the day of mailing or delivery to the	Administrator.	certain circumstances) on or
		EXTRACTION RIGHTS		
		Check and provide one of the following:		
	7.14	Included is the lease or leases or other	er continuing co	intract or contracts by which
		I hold the right to extract oil or of the requirement of Code 22-4-1-(c)(1)	gas.	of the state of th
	7)	ROYALTY PROVISIONS	dirough (4). (Se	e reverse side for specifics.)
	7):	Is the right to extract, produce or market	- 4h/3	halist the sales of
		Is the right to extract, produce or market or other contract or contracts providing if for compensation to the owner of the oil or	for flat well ro	based upon a lease or leases
		for compensation to the owner of the oil or to the volume of oil or gas so extracted,	gas in place w	hich is not inherently related
		,	produced or mar	Reted? ies No AA
		If the answer above is No, nothing you may use Affidavit Form IV-60.	additional is	needed. If the answer is Yes,
	-			
		See the reverse side for line item in the required copies of the Notice and	structions, and	for instructions corcerning
		the required copies of the Notice and Reclamation Plan.	Application, p.	Lat, and Construction and
The tr	uth of the	e information on the		
Notice	and Annl	ication is verified	WELL	
and sw	om to and	the Notice is	OPERAI	OR PARCOIL CORPORATION
signed	on behalf	f of the Well Operator		
in my	County and	d State by	By	ich (- Culdus
	ack Chil	dere	Its	Geologist
this o	day of		Addr	ess Rt. #1, Box 181C
		June , 19 84. n expires Jan. 27, 19 94.		Bridgeport, W. Va. 26330
	20	expires Jan. 27, 19 94.	Tele	phone 842-6984
7	Kyllis	Y. Steele		
	ary Public	Harrison County,		
Sta	te of	W. Va.		

COAL OWNER'S COPY



1)	Date:	una	8	, 19 21
2)	Operator's Well No.	Α.	Thomas #2	
3)	API Well No.	47	001	
-,		State	County	Permit

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Inc

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

4) WELL TYP	В (І	If "Gas", I	Production	N. P. C.		storage Sugar	_/ Deep	/ Shallow <u>XX</u> /)
5) LOCATIO		evation: strict:	Glad	THE RESERVE THE PROPERTY OF THE PERSON.	Watershed: _ County:	Barbour		Belington 7.5
6) WELL OPI		Parc	2.70	orp.	County.	7) DESIGNATED		ack Childers
Address	23.4	. #1,	Вох	181C		Address	Rt. #1,	Box 181C
	A STATE OF THE PARTY OF THE PAR	idger	ort,	W. Va. 2	6330		Bridgepo	ort, W. Va. 263
8) OIL & GAS	S INSPEC	TOR TO	BE NOTIFI	ED		9) DRILLING CO		
Name	Russe	all Be				Name		hrust Drilling,
Address	P.	O. Bo		20 M. F	13.6	Address	P. O. Box	
	P	hilip	pi, W	. Va. 26	416			v. Va. 26323
10) PROPOSE	D WELL	WORK:		XX_/ Drill			/ Stimulate	<u>y</u>
						rate new formation_		
				ysical change in				
11) GEOLOGI								
12) Estima	ited depth o	of complete	ed well, _	5600	feet	t,	faat	
							area? Yes	/ No/
14) Appro				140		oar being mined in the	arca: rcs	INO
CASING OR	II		IFICATIONS	11	FOOTAGE	INTERVALS	CEMENT FILL-UP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor	113/	4 API	43	X	20	20	To surfac	Kinds
Fresh water								
Coal								Sizes
Intermediate	8 3/	8 J55	23	х	1050'	1050'	To suffac	NEAT
Production	4 1/	2 J55	10.5	X		5600'	600 sks	Depths set
Tubing							01 05	ray by rule 18
Liners								Perforations:
								Top Bottom
	are requir	red to make	l operator,	coal owner(s), and 22-4-3 must be fi	nd coal lessee are		LESSEE ny objection they wish n fifteen (15) days afte	
		who has r	ecorded a		Code §22-4-20, i	f the permit is to be i	oal owner or coal less ssued within fifteen (1	
					WAIVER			
examined this pr	oposed we no objecti	ell location on to the v	If a mine i	sed to be done at	covers the area of	f the well location, the ovided, the well operate	e well location has bee tor has complied with	pal under this well location has an added to the mine map. The all applicable requirements of
Date: Fu	m	8	MU	84		By 8/1.	Outney.	7

FORM IV-2(B) (Obverse) 7-83

SURFACE OWNER'S COPY



1)	Date:	ne	8	, 19 84
2)	Operator's Well No	Α.	Thomas #2	
3)	API Well No.	47	001	
		State	County	Permit

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

4) WELL T	YPE: A O	il	/ G	as XX				
	B (1	f "Gas",	Productio	n XX	/ Underground	storage	/ Deep	_/ Shallow _XX /)
5) LOCATION	ON: Ele	vation: _	4	687'	Watershed: _	Sugar	Creek	
	Dis	trict:	Glad	e	County:	Barbour	Quadrangle:	Belington 7.5
6) WELL O	PERATOR_	Parc	oil C	orp.		7) DESIGNATE		ck Childers
Addre		#1,	Вох.	181C		Address	Rt. #1,	Box 181C
	Bri	.dgepa	ort,	M. Va. 2	6330		Bridgepo	rt, W. Va. 26330
Name	AS INSPEC	TOR TO	all	FIED			The second secon	rust Drilling, I
Addre	ss Th	ilini	of. W	. Va. 26	416	Address	P. O. Box	
		and the same of the same		e white and			Anmoore, W	
(1) PROPOS			Other p	ff old formatio	n/ Perfor in well (specify)		/ Stimulate/	
	nated depth o			5600	feet			
	oximate trat			80/380			feet.	
	oximate coal			140		al being mined in the		/ No_X /
5) CASING					13 00	ar being innied in the	arca: 1cs	
CASING OR TUBING TYPE	Size		CIFICATIONS Weight per ft.	S New Used	FOOTAGE I	NTERVALS Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
Conductor	113/4	API	43	X	20	20	To surface	Kinds
Fresh water								Killus
Coal								C!
ntermediate	8 5/8	J55	23	X	1050	1050	To sufface	Sizes
roduction	4 1/2	J55	10.5	X		5600	600 sks	2
'ubing							7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Depths set
iners							EL USI	124 124 12 11 12 13 13 13 13 13 13 13 13 13 13 13 13 13
mers								Perforations:
								Top Bottom
	the filing o	f the App	lication if	the surface owner owner's copy of	arface owners. However(s) of record sign(s) the Application.	the following "Volu	be issued in less than 1 intary Statement of No	5 days from Objection''
opies of (1) a Non Form IV-6, I further st	Notice of Apparent and (4) a Co	olication f	or a Well 'n and Rec	ons to surface ow Work Permit on lamation Plan o	vners on the reverse s Form IV-2(A), (2) ar n Form IV-9, all for	ide of this Applicati Application for a V proposed well wor	on for a Well Work Pe Well Work Permit on F k on my surface land	rmit, and that I have received orm IV-2(B), (3) a survey plat as described therein. it being issued based on those
opies of (1) a N n Form IV-6, I further staterials.	Notice of App and (4) a Co ate that I hav	olication fonstruction	or a Well on and Receiver to the	ons to surface ow Work Permit on lamation Plan on the planned work	rners on the reverse s Form IV-2(A), (2) ar n Form IV-9, all for described in these man	ide of this Applicati Application for a V proposed well wor	on for a Well Work Pe Well Work Permit on F k on my surface land a no objection to a perm	orm IV-2(B), (3) a survey plat as described therein. it being issued based on those
opies of (1) a N n Form IV-6, I further staterials. For execution 1	Notice of App and (4) a Co ate that I hav	olication fonstruction	or a Well on and Receiver to the	ons to surface ow Work Permit on lamation Plan on the planned work	rners on the reverse s Form IV-2(A), (2) ar n Form IV-9, all for described in these ma	ide of this Application Application for a Various proposed well wor aterials, and I have been been applied to the proposed with the proposed well work at the proposed with th	on for a Well Work Pe Well Work Permit on F k on my surface land a no objection to a perm	orm IV-2(B), (3) a survey plat as described therein. it being issued based on those
opies of (1) a N n Form IV-6, I further staterials.	Notice of App and (4) a Co ate that I hav	olication fonstruction	or a Well on and Receiver to the	ons to surface ow Work Permit on lamation Plan on the planned work	rners on the reverse s Form IV-2(A), (2) ar n Form IV-9, all for described in these ma	ide of this Application Application for a Various proposed well wor aterials, and I have been been applied to the proposed with the proposed well work at the proposed with th	on for a Well Work Pe Well Work Permit on F k on my surface land a no objection to a perm	orm IV-2(B), (3) a survey plat as described therein. it being issued based on those
opies of (1) a N n Form IV-6, I further staterials. For execution 1	Notice of App and (4) a Co ate that I hav	olication fonstruction	or a Well on and Receiver to the	ons to surface ow Work Permit on lamation Plan on the planned work	rners on the reverse s Form IV-2(A), (2) ar n Form IV-9, all for described in these ma	ide of this Application Application Application for a value proposed well wor atterials, and I have execution by naturals.	on for a Well Work Pe Well Work Permit on F k on my surface land a no objection to a perm	orm IV-2(B), (3) a survey plat as described therein.

10) PROPOSED WELL WORK: Drill / Drill

Reverse



DEPARTMENT OF MINES, OIL AND GAS DIVISION

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. Plug off old formation / Perforate new

Other physical change in well (specify) : noitemonial individual in the change in well (specify)

Administrator of the Office of Oil and Gas ______ elso of completed well, _____ (2) West Virginia Department of Mines 1615 Washington Street East 253 (See El Self til b 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 true not being insumnous estupou wall of
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or new posture of his notice lead a shift of smill of
- "(3) Damage would occur to publicly owned lands or resources; or noticaling A and to you a tenwo so alone sint to eliminate and
- "(4) The proposed well work fails to protect fresh water sources or supplies." VOLUNTARY STATEMENT OF NO OBJECTION

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

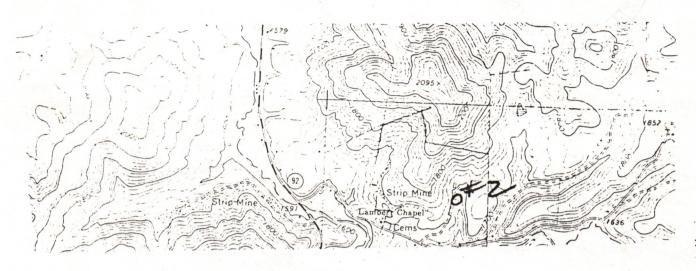
List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Adminisatrator's office or an Oil and Gas Inspector to obtain a copy of the list. One of the list.

	materials.
(For execution by natural persons)	(For execution by corporation, partnership, etc.)
William Shine	NAME
	Ву
(Signature)	Jis Date.

TACH OR PHOTOCOPY SECTION OF MOLVED TOPOGRAPHIC MAP.

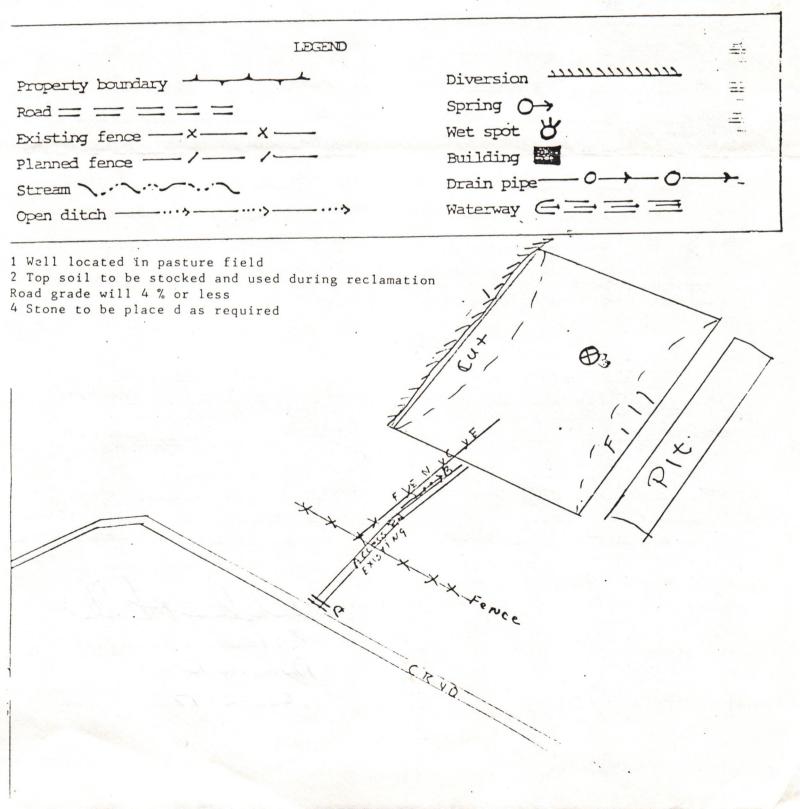
PADRANGIE BELINGTON 7.5

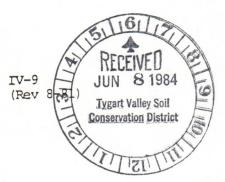




WELL SITE PLAN

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







DATE JUNE 8 WELL NO. A. THOMAS #2 API NO. 47 - 001 - 207

State of Mest Mirginia Bepartment of Mines

Bil und Gas Bivision

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME BARCOIL CORP	DESIGNATED AGENT JACK CHILDERS
AddressRT 1 BOX 181C BRIDGEPORT	Address ROUTE 1 BOX 181 C
Telephone 842 6984	Telephone BRIDGEPORT 842 6984
LANDOWNER ARDEN THOMAS Sr.	SOIL CONS. DISTRICT TYGART VALLEY
Revegetation to be carried out by EAST	ERN OVERTHRUST (Bill Hinkle) (Agent)
This plan has been reviewed by	out Vally son. All corrections
and additions become a part of this plan!	6-4-964
	Unio Alburia
[-2	(SCD Agent)
ACCESS ROAD	LOCATION
Structure CULVERT PIPE 15" (A)	Structure DIVERSION DITCH (1)
Spacing	Material EARTHEN
Page Ref. Manual 2-9	Page Ref. Manual 2-12
Structure DRAINAGE DITCH (B)	Structure (2)
Spacing	Material
Page Ref. Manual 2-15	Page Ref. Manual
Structure(C)	Structure (3)
Spacing	Material
Page Ref. Manual	Page Ref. Manual
All structures should be inspected regu commercial timber is to be cut and stacke cut and removed from the site before dirt	ed and all brush and small timber to be
REVEGE	TATION
Treatment Area I	Treatment Area II
Lime THREE (3) Tans/acre or correct to pH 6.5	Lime THREE (3) Tons/acre or correct to pH 6.5
Fertilizer 600 lbs/acre	Fertilizer 600 lbs/acre
(10-20-20 or equivalent)	(10-20-20 or equivalent)
Mulch HAY @ 2 Tons/acre	Mulch HAY 2 Tons/acre
Seed* KY. 31 30 lbs/acre	Seed* KY. 31 30 lbs/acre
BIRDSFOOT TRE. 10 lbs/acre	BIRDSFOOT TRE 10 lbs/acre
DOMESTIC RYE 10 lbs/acre	DOMESTIC RYE 10_lbs/acre
*Inoculate all legumes such as vetch, tre Inoculate with 3X recommended amount.	efoil and clovers with the proper bacterium.
	IN PREPARED BY IN SHEET STATE OF THE SHEET STATE OF
NOTES: Please request landowners!	ADDRESS P.D. 600
seedling for one growing season.	Annoone W.Va.
Attach separate sheets as necessary for comments.	PHONE NO. 622-2197
necessary for connection.	ENCINE NO. 622-2191

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

1st Stage: Haverty, 4th Elk--Break Down Pressure 4200 psi, Treating Pressure

3100 psi. Average Rate 25 bbl/min. Treated with 500 gal. 15% HCL, 250 gal.

28% HCL, 50,000# 20/40 sand. 670 bbls. treated water.

2nd Stage: 2nd & 3rd Elks--Break Down Pressure 3200 psi, Average Treating

Pressure 3200 psi, Average Rate 24 bbl./min. Treated with 700 gal. 15% HCL,

9000# 20/40 sand, 261 bbl. treated water. Well screened out.

3rd Stage: Benson & 1st Elk--Break Down Pressure 3,000 psi, Average Treating

Pressure 3200 psi, Average Rate 24 bbl./min. Treated with 500 gal. 15% HCL,

45,000# 20/40 sand, 5,000# 10/20 sand, 718 bbls. treated water.

4th Stage: Balltowns, & Bayard--Break Down Pressure 2400 psi, Average Treating

Pressure 2500 psi, Average Rate 36 bbl./min. Treated with 750 gal. 15% HCL,

40,000# 20/40,10,000# 10/20, 560 bbl. treated water.

WELL LOG

Sand & Shale 10 53 1/2" stream of water Sand S	FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale Sand Sand, Shale, RedRock Selectric Log Tops: Big Lime Big Injun 4th Sand Sand Bayard Balltown Riley Benson 1st Elk 2nd Elk 2nd Elk 2nd Elk 4th Elk 4th Elk 4th Elk Haverty Sand & Shale 865 942 1377 Hole damp @ 1792' Gas check @ 2608' (Odor) Gas check @ 2608' (Odor) Gas check @ 3205' (Odor) Gas check @ 4019' (No Show) 4138 4220 4450 4745 4790 Haverty 5090 5320	Sand Shale Sand Sand & Shale Sand Shale Shale Sand Shale Sand Sand	53 107 127 172 203 225 235 235 394 404 692	107 127 172 203 225 235 235 394 404 692 750	1/2" stream of water
Big Lime 1396 1432 Big Injun 1432 1612 4th Sand 2174 2392 5th Sand 2392 2550 Bayard 2550 2612 Gas check @ 2608' (Odor) Balltown 2848 3360 Riley 3790 3840 Gas check @ 3205' (Odor Benson 3902 3986 Gas check @ 4019' (No Shown 2nd Elk 4138 4220 3rd Elk 4610 4650 4th Elk 4745 4790 Haverty 5090 5320	Sand & Shale Sand	790 865	865 942	Hole damp @ 1792'
	Big Lime Big Injun 4th Sand 5th Sand Bayard Balltown Riley Benson 1st Elk 2nd Elk 3rd Elk 4th Elk	1432 2174 2392 2550 2848 3790 3902 4138 4322 4610 4745	1612 2392 2550 2612 3360 3840 3986 4220 4450 4650 4790	

(Attach separate sheets as necessary)

PARCOIL CORPORATION

Well Operator

By: Car (Culous Date 2 2 2 184)

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."

IV-35 (Rev 8-81)

D	C		Wig	M
W	SEP	4 -	1984	

State of Mest Wirginia

Date	8/13/84	
Operato	r's	
Well No	#2	
Farm	Thomas	

OIL & GAS DIVISION

DEPT. OF MINES

Bepartment of Mines Bil und Gas Bivision

Well No.	#2	
Farm	Thomas	
API No. 4	7 - 001	- 2077

(Continue on reverse side)

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

premiser, reversities rapide of the	Bullio, C	At Thibical	CIANGL		
WEIL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production X / Undergrou	/ Wast	e Disposa ne/ Deep	l/ p/ Sha	ulow_	_/)
LOCATION: Elevation: 1687' Watershed St	igar Cre	ek			
District: Glade County Bar	oour	Quadrangle	Belingt	ton 7.	5'
COMPANY PARCOIL CORPORATION .		_		,	
ADDRESS Rt. 1, Box 181-C, Bridgeport, WV	Casing	Used in	Left	Cemer	
DESIGNATED AGENT Jack C. Childers	Tubing	Drilling	in Well		-
ADDRESS Same	Size				
SURFACE OWNER Arden Thomas	20-16 Cond.				
ADDRESS Rt. 2, Box 203, Belington, WV	13-10"				40,200
MINERAL RIGHTS OWNER Same	9 5/8				
ADDRESS	8 5/8		1302'	310	sks.
OIL AND GAS INSPECTOR FOR THIS WORK R.L.	7				
Steward ADDRESSP.O. Box 345, Jane Lew WV	5 1/2			S. Service	
PERMIT ISSUED 6/11/84	4 1/2		5370'	630	sks.
DRILLING COMMENCED 7/6/84	3				
DRILLING COMPLETED 7/12/84	1 1/2		5065'	_	
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used		7007		
GEOLOGICAL TARGET FORMATION Haverty		Dept	h 5100		feet
Depth of completed well 5500 feet R	otary X	/ Cable	e Tools_		
Water strata depth: Fresh 53 feet;					
Coal seam depths: None	Is coal	being mine	ed in the	area?	
OPEN FLOW DATA					
Producing formation Haverty, 4th Elk	Pay	zone dep	th 4976-	5312	feet
Gas: Initial open flowMcf/d					Bbl/d
Final open flow 400 Mcf/d					Bbl/d
Time of open flow between initi					
Static rock pressure 1175 psig(surface					it in
(If applicable due to multiple completion-	-)				
1st. & 2nd El's Second producing formation Benson, Ballt	/ 0	zone dep	th 2561-1	4626	feet
		itial open			Bbl/d
Final open flow Same Mcf/d	Oil: Fi	nal open f	low_San	me I	Bbl/d
Time of open flow between init.					

Static rock pressure Same psig(surface measurement) after Samehours shut in

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES





OIL & GAS DIVISION

00/-

INSPECTOR'S WELL REPORTED OF MINES

Permit No.			Oil or Gas Well						
Company PAIZ	COIL		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACK	ERS		
Address			Size				de se palleb		
Farm Thou	145		16			Kind of Pac	ker		
Well No. #2			13			STEATER TO STEAT S			
District	County PC	/	81/4			Size of			
Drilling commenced			6%			Depth set_			
Drining commenced			5 3/16						
Drilling completed	Total depth	4	3			Perf. top			
Date shot	Depth of shot		2			Perf. botton			
Initial open flow	/10ths Water in_	Inch	Liners Used			Perf. top			
Open flow after tubing	/10ths Merc. in_	Inch				Perf. botton	1		
Volume		Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date		
Rock pressure	lbs,	hrs.	NAME OF SEF	RVICE COMPA	ANY				
0i1	bbls., 1	st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEET	INCHES		
Fresh water	feet	feet	FEET	INCI	HES	_FEET	INCHES		
Salt water	feet	feet	FEET	INCI	HES	_FEET	INCHES		
Drillers' Names An	ricipate	- 8	Astern	DUER	14,20	75	- Pagara 1		
Remarks:	cation &	DAD,	fored	Cory	lete				
	/	/							

6/13/84 BATH

Beace - 501

Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANY	M 163		ADDRES	SS	1		No. of he		
				COUNTY					
	3.08	DRO	Alberta .						
Filling Material Used			* * * * * * * * * * * * * * * * * * *				- 2421		
iner Loc	cation	Amou	int	Packer	Loc	ation			
PLUGS USED A	ND DEPTH PLACED		BF	RIDGES	CASIN	G AND TU	BING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRU	CTION-LOCATION	RECOVERED	SIZE	LOST		
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	1,343	MAC NEW		and the state of t					
Drillers' Names		200 2004							
						are more recognition			
Remarks:									
	I hereby certify I visi	ted the above v	well on this dat	e.					
DATE									
						200			

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT DEPT. OF MINES

OIL & GAS DIVISION

Permit No. 20/- 2077				r Gas Well
Company PARCOIC	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address	Size			
Farm A. THOMAS	16		Contraction of the Contraction o	Kind of Packer
Well No	10			Size of
DistrictCounty_00/	81/4			
Drilling commenced	6%			Depth set
Drilling completedTotal depth	5 3/16			
Date shotDepth of shot	2			Perf. top Perf. bottom
Initial open flow/10ths Water inInch	Liners Used			Perf. top
Open flow after tubing/10ths Merc. inInch				Perf. bottom
VolumeCu. Ft.	CASING CEMEN	TED	_SIZE	No. FTDate
Rock pressurelbshrs.	NAME OF SERV			
bbls., 1st 24 hrs.	The state of the s	COUNTERED A	АТ	FEETINCHES
resh waterfeetfeet	FEET_	INCHE	S	FEETINCHES
alt water feet feet	FEET_			FEETINCHES
rillers' Names				940763
emarks: hig ON - Spul-				

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Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

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ARM		DISTRICT _	C	OUNTY		
	LUCKY LEW	1,3190	Septime 1	1.353.5		70543
illing Material Used						
		Amou		Loc	ation	
iner Loc	ND DEPTH PLACED		BRIDGES	CASING AND TUBIN		BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
CEMENT-THICKNESS	W662 6.22		A Carrie			
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100		1 421 20 20	ers fine esc	1		
and the second second second second						
materials and a second	P 088	T POTA S				
Drillers' Names	and the second s					
	5.500		383	Sheet S	a photos and	The state of the s
Remarks:						
			11 this data			
	_ I hereby certify I	visited the above	e well on this date.			
DATE						

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 001-207/			Oil or Gas Well			
Company PARCOIC	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS		
Address	Size			Life I well year		
Farm A Thomas #2	16	The state of the s		Kind of Packer		
Well No	13			Size of		
DistrictCounty	81/4					
Drilling commenced	5 3/16			Depth set		
Drilling completedTotal depth	3			Perf. top		
Date shotDepth of shot	2			Perf. bottom		
Initial open flow/10ths Water inInch	Liners Used			Perf. top		
Open flow after tubing/10ths Merc. inInch				Terr. Bottom		
VolumeCu. Ft.	CASING CEME	NTED	SIZE	No. FTDate		
Rock pressurelbs,hrs.	NAME OF SEP	RVICE COMPA	ANY			
Oilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEETINCHES		
Fresh waterfeetfeet	FEET.	INCI	HES	FEETINCHES		
Salt water feet feet	FEET.	INCI	HES	_FEETINCHES		
Drillers' Names EAST Over14	ne of Ri	9 = -	-	***************************************		
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Remarks:

Druccing valde 8 1/8

7/9/84

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Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

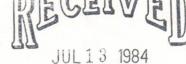
OIL AND GAS WELLS DIVISION

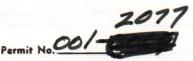
INSPECTOR'S PLUGGING REPORT

COMPANY	ns 110		ADDRESS	11/10	12-100 ansi		
FARM		DISTRICT COUNTY					
	23.7 S.A	X-34 - 2		2 2 Sv1	201		
Filling Material Used			55				
iner Loc	cation	Amou	nt Pac	cker Lo	cation		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOC	ATION RECOVERED	SIZE LOST		
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	1778	Luitinomo	DRIVET J. N. D.				
	120	TOURSE K		.20			
A STATE OF THE STA				214.5			
Orillers' Names		2 2 2 12 22	Company of the Compan		The second second		
113-7							
Remarks:							
			11				
DATE	I hereby certify I vis	sited the above w	veil on this date.				
					1 1 4		

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION





INSPECTOR'S WELL REPORT

OIL & GAS DIVISION DEPT. OF MINES

Oil or Gas Well_

Company PAZC	oic	CASING AND TUBING	USED IN		PACK	ERS
Address		Size			and the second	
A	Thomas	16			Kind of Pac	ker
	#	13				
Well No.	The second secon	10	W NAW	V KIMAN N	Size of	Address of
District	County	81/4				
Drilling commenced		65/8			Depth set	
		5 3/16				
Drilling completed	Total depth	3			Perf. top	
Date shot	Depth of shot	2			Perf. botton	n
Initial open flow	/10ths Water inInch	Liners Used			Perf. top Perf. bottor	
Open flow after tubing	/10ths Merc. inInch				Peri. bottor	n
Volume	Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Date
Rock pressure	lbshrs.	NAME OF SE	RVICE CON	MPANY		
Oil	bbls., 1st 24 hrs.	COAL WAS EN	NCOUNTER	RED AT	FEET	INCHES
Fresh water	feetfeet	FEET		NCHES	FEET	INCHES
Salt water	feetfeet	FEET	·	NCHES	FEET	INCHES
	Eastenn oven	THRUST	- Ric	42		A. A. Mas A
Drillers' Names		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Remarks:	Deg @ 521/-	56000	17.0	- 7/1/6	TV.	W. 1

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Form 26 2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

COMPANY	53 BG		ADDRESS		Marin A.C	Wall to	
FARM	Contraction of the second seco	DISTRICT COUNTY					
	The second second second	133 men - 21		4 65			
Filling Material Used						erania (1561)	
Liner Loc	cation	Amou	nt Packer	Loc	cation		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST	
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Orillers' Names		1/2 7 2		80 - 10 E		ere erecent	
Remarks:		and the second second			on the party of the party of the control	er Dierri e esta provisión	
	hereby certify I vis	ited the above w	ell on this date.				
DATE							



State of West Virginia

Department of Mines Gil and Gas Division

Charleston 25305

DEPT. of MINES

OIL & GAS DIVISION

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
September 24, 1984

COMPANY	Parcoil Corporation			
	Posterior	PERMIT NO _		001-2077
Route	1, Box 181-C	FARM & WELL	NO	Arden Thomas #2
Bridg	eport, West Virginia 26330	DIST 1 CON	ואזרחיז	Clada/D-1
		D131. & COU	INTY	Glade/Barbour
RULE	DESCRIPTION		IN	COMPLIANCE
23.06	Notification Prior to Starting Work		IE	NO NO
25.04	riepared before Drilling to Prevent W.	anto.		
25.03	High-Pressure Drilling	iste .		
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			
25.01	Necessary Equipment to Prevent Waste		6	
23.04	Reclaimed Drilling Pits		-	
23.05	No Surface or Underson	_	4	
23.07	No Surface or Underground Pollution		2	
16.01	Requirements for Production & Gatherin Well Records on Site	g Pipelines	1	_
16.02	Well Records Filed	_		
7.05	Identification No.	_		
	Identification Markings	_	1	
I HAVE IN	NSPECTED THE AROUE CARELONE	-		
	NSPECTED THE ABOVE CAPTIONED WELL AND RE	ECOMMEND THAT	IT	BE RELEASED:
			0	man
		SIGNED	a Cap	of Elle
		DATE 11-5		
our well	record was received and reclamation reter 22, Article 4, Section 2, the above			
ith Chap	ter 22, Article 4. Section 2 41	quirements ap	pro	ved. In accordance
overage	ter 22, Article 4, Section 2, the above for the life of the well.	well will re	emai	n under bond
		7		0 -1
		1-1	1	n ll
		Administrator	-01	t & Gas Division
		December 1	7,	1984
	-	DA		
4C /				

TMS/nw

FORM 1V-48WC (02-84)

Date Received

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FO	SEP 27 ma
Date: 8/22 ,198-/	AGENCY USE ONLY
Applicant's Name: Parcoil Corp.	WELL DETERMINATION FILE NUMBER
Address: 12221 Merit Dr. Suite 770	
Dalls, TX 75251	840905-107-001-2077
Gas Purchaser Contract No.	Use Above File Number on all Communications Relating to This Well
Date of Contract (Month, day and year)	The state of the s
First Purchaser	Designated Agent: Jack Childers
First Purchaser:	Address: P.O. Box 181-C
(Street or P.O. Box)	Bricgeport, WV 26330
FERC Seller Code	FERC Buyer Code
NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCER BE ADDRESSED:	
Name: Jack Childers (Prin	Designated Agent
Signature:	Quin (Title)
Address: P.O. Box 181- c (Street or P.O. Box) Bridgeport, WV 26330	
(City) (State) Telephone: (304) 842-6984	(Zip Code)
(Certificate of Proof of Service to Purch	
NGPA Catagory Ap	
NGPA SECTION/SUBSECTION	
102 New Natural Gas 102-2 2.5 Mile Test 102-3 1000 Foot Deeper Test 102-4 New Onshore Reservoir 103 New Onshore Production Well	108 Stripper Well Natural Gas 108- Stripper Well 108-1 Seasonally Affected 108-2 Enhanced Recovery 108-3 Temporary Pressure Buildup
103 New Onshore Production Well	
107 High Cost Natural Gas 107-0 Deep (more than 15,000 feet) 107-1 Geopressured Brine 107-2 Coal Seams 107-3 Devonian Shale	AGENCY USE ONLY
Recompletion Tight Formation	APPROVED OCT 16 1904
	7504
SEP - 5 1984	
OIL & GAS DIV. DEPT. OF MINES	

Determination Date

Date_	10-16-84
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DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's Well No. Thomas #2

API Well No.

47 - 001 - 2077 State County Permit

DEPT. OF MINES

WELL CLASSIFICATION FORM HIGH COST GAS WELL - DEVONIAN SHALE NGPA Section 107

	SICATE ACMI . Childers
	ADDRESS Rt. 1. Box 181-C
	Bridgeport, WV 26330
	LOCATION Elevation 1687
WELL OPERATOR PARCOIL CORPORATION	Watershed Sugar Creek
ADDRESSRt. 1, Box 181-C	Dist. Glade County Barbouguad Belingto
Bridgeport, WV 26330	Gas Purchase
GAS PURCHASER Tennessee Gas Transmissio	Contract No
ADDRESS Box 2511	Meter Chart Code
Houston, Texas 77001	Date of Contract
* * * *	* * * *
Date surface drilling began: 7-6-8	34
Indicate the bottom hole pressure of the v	well and explain how this was calculated.
AFF	IDAVIT
report described in subparagraph (3)(ii)(B of potentially disqualifying non-shale foo percent of the gross Devonian age interval	e of the producing interval which is not index of less than 0.7 if a Gamma Ray log)(A) has been filed, or as indicated by the); I have demonstrated that the percentage tage is equal to or less than five (5); and I have no knowledge of any information inconsistent with a conclusion that the well
	Jack C. Culour
	Jack C. Ciperra
STATE OF WEST VIRGINIA	•
COUNTY OF Harrison , TO-WIT:	
I, Rhonda Jo Wharton , a Notary	Public in and for the state and county
aforesaid, do certify that Jack C. Child	
the writing above, bearing date the 16 cacknowledged the same before me, in my cour	lay of October , 19 84 , has
Given under my hand and official seal this My term of office expires on the 10 day	16 day of October , 19 84 . of August , 19 92 .
(NOTARIAL SEAL)	Showla Or Whinton) Notary Public



OCIL CORPORATION

Appalachian Division Rt. 1, Box 181-C Bridgeport, WV 26330 (304) 842-6984

PORMULA FOR CALCULATING BOTTOM HOLE PRESSURE

Pf = (Pw)(e) X GLS

Pf = Bottom hole pressure

Pw = Top hole pressure

e = 2.72

 $x = (1/53.34) + (60 + (.0075 \times T.D.) + 460) = Absolute Temperature$

G = Specific Gravity (.602)

L = Top perf. + bottom perf.

S = Z factor (.9)

Pw =
$$1075 \text{ psi}$$

x = $\frac{1}{53 \cdot 34} \cdot (561.25) = \frac{1}{29937 \cdot 075} = .0000334$
G = $.602$
L = $\frac{2569 + 5312}{2} = 3940.5$
Pf = $1075 \times 2.72 \cdot (.0000334) \cdot (.602) \cdot (.3940.5) \cdot (.9)$
Pf = $1075 \times 2.72 \cdot (.071)$
Pf = 1075×1.073
Pf = $1154 = \text{Bottom Hole Pressure}$



DARCOIL CORPORATION

Appalachian Division Rt. 1, Box 181-C Bridgeport, WV 26330 (304) 842-6984

DEVONIAN SHALE QUALIFICATION CALCUI	LATION
-------------------------------------	--------

The same of the sa	
1.	Calculation of thickness of Devonian Interval:
	Bottom of Devonian Interval 5480 ft.
	Top of Devonian Interval 1930 ft.
	Thickness of Devonian Interval 3550 ft.
2.	Calculation of 0.7 Gamma Ray Index:
	Shale Base Line 132 API Units
	0.7 Gamma Ray Index(70% of Shale Base Line= 92 API Units
3.	Calculation of Disqualifying Footage:
	ft. $X 5\% = 177.5$ ft.
4.	Actual footage 0.7 Gamma Ray Index = 103.5 ft.
	ng the above calculations, the <u>Thomas #2</u> well qualifies Devonian Shale.
	By: Acce C. Cana
	Sworn to and acknowledged before me by Jack C. Children
thi	s 22 day of August 19 184.
	Notary Roblic
My	commission expires: August 10, 1992

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

Operator: _	PARÇOIL CORPORATION	Agent:	Jack C. Childers
Type Determ	ination being sought	- 107 (Devonia	an Shale)
API Well No	.: 47-001-2077	Well Na	ne:Thomas #2
West Virgin References:	ia Office of Oil and SJA File No.		
Vol	Page Line	_	
I. NOTE:	(c) intervals with	Gamma Ray uni	with the (a) Shale Base (x (Shale Base Line), is less than 0.7 x (Shale downth) this analysis.
II. Garma	Ray elevation indic		
	A. Shale Base Lin	e (API Units)	
	 GR Value a Remarks: 	t Base Line = _	132 * API Units
	•		•
•	B. Gamma Ray Log	Value at 0.7 x	Value at Base Line
	1. GR Value =	92 * API Uni n: 0.7 (GR Val	
III. Interv	als with GR index le	ess than 0.7 x	(Value at Base Line):
	Interval .	Thickness	Feet of less than*
From**	<u>To*π*</u>	of Interval Feet	0.7 (Shale Base Line Feet
1950	. 5480	3550	103.5
	i Devonial Interval	3550	
	nan 0.7 (Shale Base)		103.5
A Less Than 0).7 (Shile Base Line)	$\frac{103.5}{3550}$ x 100	
*			

*Marked on log included with analysis.

**Top of Devonian Section Recorded on First Interval in this Column.

***Lesser of TD or Tottom of Devonian Section Recorded as last Interval
in this Column.

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

	ONDER 1	HE NATURAL C	AS TOLICT AC	T (NOTA)	-	
1.0 API well number: (If not assigned, leave blank, 14 digits,)	1	47	001 - 207	7 -	12/5	CEINE
2.0 Type of determination being sought:	1			, .	Ila	18
(Use the codes found on the front	í		103			
of this form.)	1	Sec	tion of NGPA	Category Co	se S	EP - 5 1984
3.0 Depth of the deepest completion	T					
location: (Only needed if sections 103	1	,	5312	feet	Ou	& GAS DIV
or 107 in 2.0 above.)	1			1001	DEP	& GAS DIV
4.0 Name, address and code number of					UEPT	OF MINES
applicant: (35 letters per line		PARCOIL CORE	PORATION			NILLAES
	-		(Addition			Caller Carte
maximum. If code number not	l Name	0+ 4 D	04 3			Seller Code
available, leave blank,)		Rt. 1, Box	101-0			
	Street				- /	
	· i — - 1	Bridgeport		NV	26330	
	City		S	tate	Zip Code	
5.0 Location of this well: [Complete (a)	i					
or (b).)	!	Glade Distr	rict			
(a) For onshore wells	Field N	ame				
(35 letters maximum for field	1	Barbour	V	IV		
name.)	County		S	tate		
(b) For OCS wells:	1					
107 101 000 110113	i					
	Area Na	me			Block Numb	D
	1				DIOCK WOME	
	1					
	1	Date	of Lease:		9	
	1			danne constitue anno de la constitue de la con		
	1	Mo.	Day Yr.	OCS Lease	Number	
(c) Name and identification number	l					
of this well: (35 letters and digits	! Tr	omas #2	47-001-207	7		
maximum.)	1					,
(d) If code 4 or 5 in 2.0 above, name	ı					
of the reservoir: (35 letters	1					
maximum,)	1					
6.0 (a) Name and code number of the	-					
purchaser: (35 letters and digits	1					
maximum. If code number not	! 1	ENNECO				
available, leeve blank.)	Name					David On the
(b) Date of the contract:	1 Name					Buyer Code
(b) Date of the contract:	1					
	1					
	-!		Mo. Dey	Yr.		
(c) Estimated total annual production	1		20			
from the well:	i	Springer-Silversia	20		Million Cubic	Feet
	<u> </u>					
	1			(c) All	Other	(d) Total of (a),
	1	(a) Base Price	(b) Tax	Prices	Indicate	(b) and (c)
,	i			(+) or	(-).}	10, 0.70 10,
7.0 Contract price:	1					
(As of filing date. Complete to 3	I S/MMBTU	2				
decimal places.)	1			-		
8.0 Maximum lawful rate:				1		
(As of filing date, Complete to 3	S/MMBTU			i		
decimal places.)	1			-		
9.0 Person responsible for this application:	1					
application.	.Ta	ck C. Child	ers		Geolo	gie+
Agency Use Only		on o. onitu	010			101
	Name	- 1	0 0		Title	
SFD 5 1004	1 Me	CA C. L	1 ans	·		
011-01384	Signatur	,		_	/	
Date Received by FERC	1 18	155 184		30	4/845	-6484
	Date Ap	plication is Completed		Pho	ne Number	
FERC-121 (8-82)						

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date 8-2		19 84	
Operator's Well No.	Thomas	#2	
API Well No. 47 - State	001 County	- 2 Per	2077

WELL CLASSIFICATION FORM NEW ONSHORE PRODUCTION WELL

MGPA Section 103

	DESIGNATED AGENT Jack C. Childers
	ADDRESS Rt. 1. Box 181-C
	Bridgeport, WV 26330
WELL OPERATOR PARCOIL CORPORATION	LOCATION: Elevation 1687'
ADDRESSRt. 1, Box 181-C	Watershed Sugar Creek
Bridgeport, WV 26330	Dist. Glade county Barbour Quad Belingto
ADDRESS P.O. Box 2511 Houston, Texas 77001	ICAD Purchase Contract No. Meter Chart Code Date of Contract
* * * * * * * *	* * * * * * *
Date surface drilling was begun: 7-6-8	4
Indicate the bottom hole pressure of the well ar	nd explain how this was calculated:

AFFIDAVIT

I, Acc (Hilbers, having been first 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 provation unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge 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 application which is inconsistent with this conclusion.

Juck Children

COUNTY OF Janian. TO WIT:

I. Prov. A. Within ... a Notary Public in and for the state and county aforesaid, do certify that Just ... (hilder) whose name is signed to the writing above, bearing date the 22 day of August ... 1984, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 22 day of August ... 1984.

My term of office expires on the 10 day of August ... 1992.

[NOTARIAL SEAL]

Bhendy Jo Whenten





Vate Received

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

SEP 27 1984

COVER SHEET, STATE APPLICATION F	OR WELL CLASSIFICATION
Date: 8/22,198-/	AGENCY USE ONLY
Applicant's Name: Parcoil Corp.	WELL DETERMINATION FILE NUMBER
Address: 12221 Merit Dr. Suite 770	
Dalls, TX 75251	840905 -103-001-2077
Gas Purchaser Contract No.	Use Above File Humber on all Communications Relating to This Well
Date of Contract (Month, day and year)	
First Purchaser:	Designated Agent:
Address: P.O. Box 2511	Address: P.O. Box 181-C
(Street or P.O. Box) Houston, TX 77001	Bricgeport, WV 26330
(City) (State) (Zip Code) FERC Seller Code	FERC Buyer Code
NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERBE ADDRESSED:	RNING THIS APPLICATION SHALL
Name:Jack Childers	Designated Agent
Signature: (Print Conf	(Title)
Address: P.O. 80x 181- C	
(Street or P.O. Box) Bridgeport, WV 26330	
(Certificate of Proof of Service to Purc	
HGPA Catagory A	
HGPA 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
103 New Onshore Production Well X 103 New Onshore Production Well	108-3 Temporary Pressure Buildu
107 High Cost Natural Gas 107-0 Deep (more than 15,000 feet) 107-1 Geopressured Brine 107-2 Coal Seams 107-3 Devonian Shale 107-5 Production enhancement 107-6 New Tight Formation 107-7 Recompletion Tight Formation	APPROVED OCT -2 1984
ECEIAED	
SEP - 5 1984	
OIL & GAS DIV.	
DEPT. OF MINES	

Determination Date

IV-27 9-83





OIL & GAS DIVISION DEPARTMENT OF MINES

Date: 6-8-84
Well No: 47-001-1970

API NO: 47 - 001 - 1970 State County Permit

001-2077

Oil and Gas Division NOTICE OF VIOLATION

WELL	TYPE:	Oil / Gas Liquid Injection /	Waste Disposal/
		Of "Gas" - Production/ Storage/	Deep/ Shallow/
LOCAT	ION:	Elevation:Watershed:	
		District: County: BARBOUR	
WELL	OPERATO	TOR EASTERN OVERTHRUST DRILLINGESIGNATED	AGENT RICHARD HINNELE
	Addres	ess P.O.Box 600 INC. Address	P.O. BOX - 600
		ANMOORE, WV-26323	ANMOORE W.Va-26323
		The above well is being posted this 874	day of Jone, 1984, for a
viola	ition of	of Code 22-4- K and/or Regulation	
		(USE REVERSE SIDE OF THIS NOTICE I	
			- DERMITAT
	DOIN	ng WELL WORK WITHOUT PA	20 PER PORT A
		5.547	
	The	e WELL Sight	
	А сору	by of this notice has been posted at the well	site and sent by certified or
regis	tered r	mail to the indicated well operator or his	designated agent. Jores to Ahate
	You are	are hereby granted until ORDERED TO CEASE,	19 , to abate this violation.
	Failure	are to abate the violation may result in acti	on by the Department under
Code	22-4-1	-17 or Code 22-4-18.	
			ne I Dance
		- Justin Oi	l and Gas Inspector
			70 8-1- 110
		Address	V, O, 100x 160 416
		of the second se	Dhiccippi WV-26400
		11/18	
			hone: 866-4608
		Telep	none: 806-4608

OIL & GAS DIVISION DEPA Granted until

IV-27 9-83





STATE OF WEST VIRGINIA

Date: 6-8-8 Well No: 207

API NO: 47 - 00/-

Telephone: 866-460

DEPT. of MINES
Oil and Gas Division

NOTICE OF VIOLATION WELL TYPE: 0il / / Gas / Liquid Injection / Waste Disposal / Of "Gas" - Production / Storage / Deep / Shallow / Elevation: Watershed: District: County: BARBOUR Quadrangle: LOCATION: WELL OPERATOR PARCOIL CORPORATION DESIGNATED AGENT THOMAS B. GRAY Address 11551 FOREST CENTRAL DR Address Route #1 Box 181-0 DALLAS, TEXAS 75243 BRIDGEPORT, W.V.-The above well is being posted this 8th day of June, 1984, for a violation of Code 22-4- k and/or Regulation , set forth in detail as follows: (USE REVERSE SIDE OF THIS NOTICE IF NECESSARY) Doing WELL WORK WHYOUT PROPER PERMIT At The WELL Sight A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent, You are hereby granted until ORDERE to CEASE, 19, to abate this violation. Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18. Address P.O. BOX 160

DECENVED STATES

A content until Content

OIL & GAS DIVISION DEPORTMENT OF MINES

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FORM IV-31. 9-83



OIL & GAS DIVISION
DEPT. OF MINES

Date:	7-12	2-84		
Operator's Well Number		001	2000	2077
API Well No.:	47	-001	research.	1970
	State	County		Permit

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

NOTICE OF ABATEMENT

WELL TYPE:	Oil / Gas Liquid In	jection/ Waste	disposal/	
***************************************		erground		
	If "Gas" - Production/ Stor		/ Shallow	
LOCATION:	Elevation:	_ Watershed:	2020UR (Quadrangle:
	District:	County:	NATED AGENT	
WELL OPERATOR	111EET DODERTI	WITHACDA	Address	aut #1 Box 181-C
Address	DALLAS TEXAS	7.5243	F	BRIDGERORT Wa-26
		horized oil and gas in	spector made a spec	cial inspection of the above named we
	19.84		10-R	, 19, by Form IV-27, "Notice
The violation	of Code § 22-4-1K he	retofore found to exist o	date has been totally	abated. If the abated violation was found by
of Violation"		such requirement is here	by rescinded, and the	well operator is hereby notified that he ma
resume operations		Such requirement to here	2, 10001111011, 4111	
resume operations				
COMMENTS	1	00 01	· looned	P g RNIT COAS
	/1/11 15 To	KEAR IL	o received	J.
	1000 1000		,	T /201
	1 11 1	- 1	low De	RMII WAS
0	LOUR VIOLATIO	n - 1	real free	
	1001-			
1				
	1550ed -			
6	100			
				the indicated well apprehen as his designat
A copy of thi	s notice has been posted at the well s	ite and sent by certified	or registered mail to	the indicated well operator or his designat
agent.				1 1 - 1
			Kuulel	G Beace So!
			1	Oil and Gas Inspector
		Δ	ddress Po	Box 160
		A		11. DDi (100)-26-14
			pu	icippa du one
		Te	elephone	66-4608

FORM IV-31 9-83



Date:	7-1	2-84	
Operator's Well Number		001	- 207
API Well No.:	47	. 001	1970
	State	County	Permit

OIL & GAS DIVISION
DEPT. OF MINES

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

NOTICE OF ABATEMENT

WELL TYPE:	Oil/ Gas Liquid Injection/ Waste disposal/
	Underground
	If "Gas" - Production/ Storage/ Deep/ Shallow/
LOCATION:	Elevation: Watershed:
	District: Quadrangle: Quadrangle:
WELL OPERATOR	
Address	DO BOY 600 1 D.O. 1801 -1000
Address	ANNIOORE, 411-26323 Address ANNIOORE UU 2632
Notice is here	eby given that the undersigned authorized oil and gas inspector made a special inspection of the above named well
The violation of	of Code §, 19, by Form IV-27, "Notice
	Form IV-28, "Imminent Danger Order" of that date has been totally abated. If the abated violation was found by
	er Order requiring operations to cease, such requirement is hereby rescinded, and the well operator is hereby notified that he may
resume operations.	
	Mus 13 To Clean the record for 900-
COMMENTS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	II. I TO BLOAD THE ALCORD FOR FOUL
	1415 12 10 00000
	- love CARE / 1015
11/2	a done derial
144	NEW J.
1/	1 mfm
111	0/1/10-
A copy of this	notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated
agent.	
	1. 100 le Bond - 501
	Tellette of Telegra
	Oil and Gas Inspector
	1 POBOX 160
	Address 1000
	fullph allo-
	Tolophone \$160-11108

DEPARTMENT OF MINES, OIL AND GAS DIVISION
TISTARTI AGE TO DOUTOU
NOTICE OF ABATEMENT
16 "Gas" - Production / Storage / Dec / Shallow / CONTION: Elevation: Watershed: Watershed: CONTION: Continue / Continue
Darrick County V County County
WELLOPERATOR VALUE AND COUNTY OF THE STATE SACING AND STATES AND S
The vibilation of Code hard for a set on the vibilation of Code hard for a set on the vibilation of Code hard for a set on the vibilation of the set of th
A copy of this notice has been rested at the web site and centified or registered mail to the indicated well onerator or his designated
mega
A South of the state of the sta

