File



		State		County		Darmit
3)	API Well No.	47	-	001	-	2044
2)	Operator's Well No	Тасу	No.	. 1	(E)	FORM IV
1)	Date: Fe	brua	ry Z	28		19 8 4

File

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

4) WEITT						ON FUR A WEL			
T) WELL I								DIFICATIONS	
	LOCATION: B (If "Gas", Production X LOCATION: 1712.90					/ Underground	storage	/ Deep	_/ Shallow _X_/)
) LOCATI			_		712 F. 124 F.		Laurel Cre	THE RESIDENCE OF STREET STREET, STREET	
	Dis	strict:	Cove		0	County:	Barbour	The same of the sa	estorville 7.5! (1
) WELL O	PERATOR	720 1	erilet	d En	ergy to	rporation	7) DESIGNATI	ED AGENT Stanl	
Addre		_			al Bldg		Address	319-320 Prof	essional Bldg.
		rksbui	rg, WV	26:	301			Clarksburg,	WV 26301
OIL & GA	Phi	llip 1	Tacy				9) DRILLING (
Addres		eral [Address	5	DE CENTRE
	E11	amore,	, WV	2626	7				WE CORN OF
) PROPOS	ED WELL	WORK.	Drill	X	_/ Drill	deeper	/ Redrill	/ Gi 1. V	
,	D WELL	ORIE.		THE POST OF THE			ate new formatio		APR 6 - 1984
								on/	ALVO - 1904
GEOLOG	ICAL TAR	CET FOR			Lexander	well (specify)			OIL & GAS DIVISION
) GEOLOG				',	500'				UIL & GAG BITTOTO
	ated depth o					feet		Г	DEPT. OF MINI
	oximate trat							feet.	
	oximate coal			140,2	.12,550	Is coa	al being mined in th	he area? Yes	/ No X/
CASING	AND TUBI	NG PROC	GRAM						
CASING OR UBING TYPE		SPEC	IFICATIONS Weight	S		FOOTAGE IN	NTERVALS	CEMENT FILL-UP	PACKERS
	Size	Grade	per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
ductor	11 3/4	H-40	42		X	16	16	(Cubic leet)	Vi-1
h water							10		Kinds
l									
rmediate	8 5/8	J-55	23	X		1100			Sizes
duction	4 1/2	A STATE OF THE PARTY OF THE PAR	10.5	V		1100	1100	Circulate	osurtace NE
ing	1 1 1	0-00	10.7	^	2000	11/20/2	4450	as reg. by	Depths set
ers						anvasua.	2613()	rull. 13.	01
		-10.0	7.5						Perforations:
		arroutset	Sur an-	Janio 1	With the	2897893 11799 A. P.	date: Of cortain	all brosered it is	Top Bottom
	1000								
			9				- otel		
(2	STACE .	44.44							Set to the set of the
(0	Pinci a								
(0	HIAG			e)ho	DANCE NI	Brotto T			
(0	STACE TO STATE OF THE STATE OF			-)nc	OF	FFICE USE O	NLY		Bergh-er-normality of
(6	0.000			-)ac		FICE USE O			harpoer gon pails or
(S	47-0	101-204	44	-) nc -					Vertical contention of the North State of
nit number_	47-0	001-204	44)ho				May 3,	beneta kow ilaye 1984
				-)ac	DF	RILLING PER	RMIT	Det	19 84
permit cove	ring the wel	l operator	and well	location	DR	RILLING PER	RMIT	Date	19 84
permit cove ements subje B) Prior to th	ring the well	l operator	and well	ns and i	n shown bel	low is evidence of verse hereof. Notin	permission grant	Date ed to drill in accordance	19 84 e tith 500 to month of the with the pertinent legal re-
permit cove ements subje B) Prior to th	ring the well	l operator	and well	ns and i	n shown bel	low is evidence of verse hereof. Notin	permission grant	Date ed to drill in accordance	19 84
permit cove ements subje B) Prior to the ict oil and ga	ring the well ct to the con e construction as inspector	l operator aditions co on of road 24 hours b	and well ontained h	ns and peri	n shown bel	low is evidence of verse hereof. Notification permitted work.	permission grante fication must be gi In addition, the w	Date ed to drill in accordance iven to the District Oil a ell operator or his cont	te with the pertinent legal re- and Gas Inspector, (Refer to ractor shall notify the proper
permit cove ements subje B) Prior to the ict oil and ga	ring the well ct to the con e construction as inspector ork is as desc	l operator aditions co on of road 24 hours t	and well ontained h is, location before act	ns and peri	n shown bel	low is evidence of verse hereof. Notification permitted work.	permission grante fication must be gi In addition, the w	Date ed to drill in accordance iven to the District Oil a ell operator or his cont	te with the pertinent legal re- and Gas Inspector, (Refer to ractor shall notify the proper
permit cove ements subje 8) Prior to th ict oil and ga permitted wo se hereof.	ring the well ct to the con e construction as inspector ork is as desc	l operator aditions co on of road 24 hours b	and well ontained h is, location before act	ns and peri	n shown bel	low is evidence of verse hereof. Notin permitted work. has commenced. plat, and reclamation	repression grantes fication must be gin addition, the w	Date ed to drill in accordance iven to the District Oil a ell operator or his conte o any modifications an	the with the pertinent legal re- and Gas Inspector, (Refer to ractor shall notify the proper
s permit cove ements subje 8) Prior to th rict oil and ga permitted wo rse hereof.	ring the well ct to the con e construction as inspector ork is as desc	l operator aditions co on of road 24 hours t	and well ontained h is, location before act	ns and peri	n shown bel	low is evidence of verse hereof. Notin permitted work. has commenced. plat, and reclamation	repression grantes fication must be gin addition, the w	Date ed to drill in accordance iven to the District Oil a ell operator or his conte o any modifications an	te with the pertinent legal re- and Gas Inspector, (Refer to ractor shall notify the proper
8) Prior to the rict oil and gas permitted we erse hereof. mit expires	ring the well ct to the con e construction is inspector ork is as desc May	l operator aditions co on of road 24 hours beribed in the	and well ontained h ds, locatio before act the Notice	ns and peri	n shown bel	low is evidence of verse hereof. Notin permitted work. has commenced. plat, and reclamation	repression grantes fication must be gin addition, the w	Date ed to drill in accordance iven to the District Oil a ell operator or his conte o any modifications an	the with the pertinent legal re- and Gas Inspector, (Refer to ractor shall notify the proper
s permit cove rements subje 8) Prior to the rict oil and ga permitted wo rrse hereof. mit expires	ring the well ct to the con e construction as inspector ork is as desc	l operator aditions coon of road 24 hours to cribed in the 3, 198	and well ontained h ds, locatio before act the Notice	ns and peri	n shown bel nd on the re pits for any mitted work oplication, p	low is evidence of verse hereof. Noting permitted work. It has commenced. Polat, and reclamation unless well well well well well and the commenced with the commence wit	repression grantes fication must be gin addition, the w	Date ed to drill in accordance iven to the District Oil a ell operator or his conte o any modifications an	the with the pertinent legal re- and Gas Inspector, (Refer to ractor shall notify the proper and conditions specified on the prosecuted with due diligence.
s permit cove ements subje 8) Prior to the rict oil and ga permitted wo rse hereof.	ring the well ct to the con e construction is inspector ork is as desc May	l operator aditions co on of road 24 hours beribed in the	and well ontained h ds, locatio before act the Notice	ns and period and Ap	n shown belond on the replits for any mitted work opplication, p	low is evidence of verse hereof. Notif permitted work. It has commenced. Plat, and reclamati unless well w	repression grantes fication must be gin addition, the w	Date ed to drill in accordance iven to the District Oil a ell operator or his conte o any modifications an	the with the pertinent legal re- and Gas Inspector, (Refer to ractor shall notify the proper and conditions specified on the prosecuted with due diligence.
permit cove ements subje 8) Prior to the ict oil and gas permitted working hereof. nit expires	ring the well ct to the con e construction is inspector ork is as desc May	l operator aditions co on of road 24 hours beribed in the	and well ontained h ds, locatio before act the Notice	ns and period and Ap	n shown bel nd on the re pits for any mitted work oplication, p	low is evidence of verse hereof. Notif permitted work. It has commenced. Plat, and reclamati unless well w	repression grantes fication must be gin addition, the w	Date ed to drill in accordance iven to the District Oil a ell operator or his conte o any modifications an	the with the pertinent legal re- and Gas Inspector, (Refer to ractor shall notify the proper and conditions specified on the prosecuted with due diligence.
s permit cove ements subje 8) Prior to the ict oil and ga permitted worse hereof. nit expires	ring the well ct to the con e construction is inspector ork is as desc May	l operator aditions co on of road 24 hours beribed in the	and well ontained h ds, locatio before act the Notice	ns and period and Ap	n shown belond on the replits for any mitted work opplication, p	low is evidence of verse hereof. Notif permitted work. thas commenced. plat, and reclamati unless well w	repression grantes fication must be gin addition, the w	Date ed to drill in accordance iven to the District Oil a ell operator or his conte o any modifications an	the with the pertinent legal re- and Gas Inspector, (Refer to ractor shall notify the proper and conditions specified on the prosecuted with due diligence.

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

FORM	IV-2(B)
Reverse	

FILE COPY





OFFICE USE ONLY

		AND CONDITIONS (IF				T LIBW -
(Shallow \		ederground sorageawribes Cree				TAGOJ -
	- 119 m m an Am A	1000.189 600				
ey M. Packana				estenficios Vicestore		
cesacons.						
100000000				TO BE MOTIPIED		
		W DRILLING CO				
5/17/75/6/5/6	7	Addica				
J. W. DEL W. M. M.				262 WW 262		
	Sumulate X	ener Redriff	sh = flug A		en wellen of	PROPOS
1.811 - 0 97A Months			l formation			
Vanna			l change in well f			
OIL & GAS DIVISIO				FORMATION, D	HOAL TARGET	
DEPT. OF MIN	1		000		ated depth of con	
a many day	1991	The House	C Miller			
		the coal being mined in the			eximate coal sead	
				SPECIAL LIBRE	AND TUBLINGS	
	CEMIENT FREE UP	POOTAGETATERVALS				BAYL DYM
		्रिकार् मा अस्ता । व्यवसम्बद्ध	V Ligod F/6	and portion Net		
KE KE SK				77.40		
Sizes					t feve e	
MIND OF WITH	La contain	1 2 1 2 3 2 3 2 3 4		x le.o. az-		
19	Taile 13	OFFICE USE C	NLY			3 1 9
This part of Form IV 20	b) is to record the	e dates of certain occurren	nces and any fo	ollow-up inspecti	ons.	
inis part of Form 1v-2(t						-\
		Date			Date(s)
Application received		Fol Y INO BRU 3	low-up inspecti	on(s)		
		ANG PERMIT		,		
Well work started						
	V am					_ redenute lu
Completion of the drilling		evidence of permission granted	Woled awork to	nator and well local		
orocess mannag an naw of		hereof voiltherimental be greated	and on the reverse		outlands of the condition	ndus subsc
Well Record received	i operator or his cont	hereof voillentimented be grade of the design of the wei	m, 14 Total alla ,	reads, confiber et.		
Ven Record record			B. Autor School			
	any modifications an		, seld monsandds	, and appoint sie in a	DURING CO SE A P.	e hereof
Reclamation completed					se May 3,	
	hare story tent of tony					
rosecused withoute diligence.						
rosecused withoute diligence.				Plat: Casi	Agenti	
		9 (9)(8)(1)(9)		Plac Casi	Agents -	ANKET

See the reverse side of the APPLICANT'S COPA for assinctions to the well operator.

NOTE: Keep one copy of this germit posica at the diffling focation at

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

1)	Date:	April 5	<u>, </u>	19 84
2)	Operator	's		
	Well No.		/ #1	
3)	API Well	No. 47	001-2	044
		State	County	Permit

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

	NOTICE OF APPLICATION FOR A WELL WORK PERMIT
) SURFACE OWNE	ER(S) OF RECORD TO BE SERVED 5(i) COAL OPERATOR
(i) Name M	Marvin White, Jr. Address
Address	Pt #2 Roy 631
_	Bell, Fl 32619 5(11) COAL OWNER(S) WITH DECLARATION ON RECORD:
(ii) Name	Name
Address_	AddressN/A
iii) Name	Name
Address	Address
	5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
	NameAddress
	ALCCIESS
	TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:
	(1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and
	cementing program; (2) The plat (surveyor's map) showing the well location on Form IV-6; and
	(3) The Construction and Reclamation Plan on Form IV-9)unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for
	reclamation for the site and access road.
	THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.
	erator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.
	6) EXTRACTION RIGHTS DISCUSSION
	Check and provide one of the following: VIncluded is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas. The requirement of Code 22-4-1-(c)(1) through (4). (See reverse side for specifics.) APR 6 - 1984
	ROYALTY PROVISIONS Is the right to extract, produce or market the oil or gas based upon a lease or lease OIL & GAS DIVISION or other contracts or contracts providing for flat well royalty or any similar provision T. OF MINES to the volume of oil or gas so extracted, produced or marketed? Yes
	If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.
	See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.
Notice and Apand sworn to signed on belin my County this 5+64ay or	the information on the pplication is verified operator and the Notice is half of the Well Operator and State by Its President Address 320 Professional Bldg. Clarksburg, W 26301
Notary Pul State of	sion expires 12/21, 198/. Telephone (304) 623-546/ blic, Harrison County, W.Va.

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

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

SURFACE OWNER'S COPY



1)	Date:	bruar	y 28	, 19
2)	Operator's Well No.	Tacy	No. 1	
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 TY	PE: A Oil		/ G		_/					
	ALCOHOLD TO THE REAL PROPERTY.	San	Productio	n A		erground s		/ Deep	/ Shallow	
5) LOCATIO		ration: _	Coup	* / W		ershed: _	Barbour		Inntancia 3.2	2 51 /2
	Dist	rict:	Love	d Epern	Course Course		MATERIAL PROPERTY OF		estorville	
	PERATOR_	-320 6	rofen	minnal	Bldg.		7) DESIGNATE	D'AGEITT	ley N. Pici	
Addres		rkobus	ea. WV	26301	7-73-		Address		resional !	9100.
				100000000000000000000000000000000000000				Clarkaburg,	WV 26301	
	AS INSPECT	OR TO	BE NOTI	FIED				ONTRACTOR:		
Name	Gen	erel [elive	EV			Name	Unknown		
Addres		andre.	WV	26267			Address			
				¥						
10) PROPOSI	ED WELL W	ORK:	Drill		Drill deepe	A STANFFE PERSON	/ Redrill	/ Stimulate		
				ff old form			ate new formation			
				A 1	nge in well (spe	cify)				
11) GEOLOG				ASON	ender					
	ated depth of			20. 19	5	feet				
	oximate trata		0.00	140 919	feet			feet.		
	oximate coal			190,212	6 2 2 2	Is co	al being mined in th	e area? Yes	/ No	X /
15) CASING	AND TUBIN	IG PROC	GRAM							
CASING OR TUBING TYPE	1 .	SPEC	FICATIONS Weight		F	OOTAGE II	NTERVALS	CEMENT FILL-UP	PACKI	ERS
	Size	Grade	per ft.	New Use	ed For dr	illing	Left in well	OR SACKS (Cubic feet)		
Conductor	11 3/4	H-40	42		* ME	हाहा	WED		Kinds	
Fresh water					KIG	950	VCIII			
Coal					IN-				Sizes	da de la casa
Intermediate	8 5/8	3-55	23.	X	2014	PR 1	1984	Circulate	The section of	
Production	4 1/2	3-55	10.5	Х			4450		Depths set	2 (30) (310)
Tubing					OIL &	& GAS	DIVISION			
Liners					DEDT	OF	MINES		Perforations:	
					PEFI	. OF	MINTE		Тор	Bottom
					La Conduction 11		the territory and the			
e exhances							NAME OF THE OWNER OWNER OF THE OWNER		Y	
	The lav	v requires	a comme	ent period fo	or surface owner	rs. Howe	ver, the permit can	be issued in less than	15 days from	
	on a facsim	ile of this	cation if t	the surface of	wner(s) of record y of the Applica	rd sign(s)	the following "Vol	untary Statement of N	o Objection"	
	on a raesim	ne or time	surrace (owner's cop	y of the Applica	ation.				
				VOLUN	TARY STATE	MENT O	F NO OBJECTION	٧		
		2 8 125,00								
onies of (1) a No	e that I have	read the	instructio	ns to surface	e owners on the	reverse si	de of this Applicat	on for a Well Work P	ermit, and that I	have received
n Form IV-6. a	nd (4) a Con	struction	and Recl	amation Pla	on Form IV-2(A), (2) an	Application for a	Well Work Permit on k on my surface land	Form IV-2(B), (3)	a survey plat
I further star	te that I have	no objec	tion to the	e planned w	ork described in	these ma	iterials, and I have	no objection to a perm	as described the	rein.
naterials.						194	and I have	o sojection to a peri	int being issued b	ascu on those
For execution by	y corporation	n, partner	rship, etc.)		(For	execution by natur	al persons)	, 1	
NAME:					11 113		Morner	1 OW Mit	4,	11/1
						X		1111100	Date:	7/12/
Ву							WA C	Signature)	1	7.7
Its				Data		1	Lloria	DUN	Date:	4/12/
113				Date			(5	Signature)		

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

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

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

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

Where to file comments and obtain additional information:

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

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

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

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

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

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

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

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

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

COUNTY Barbour SCALE 1" = 200

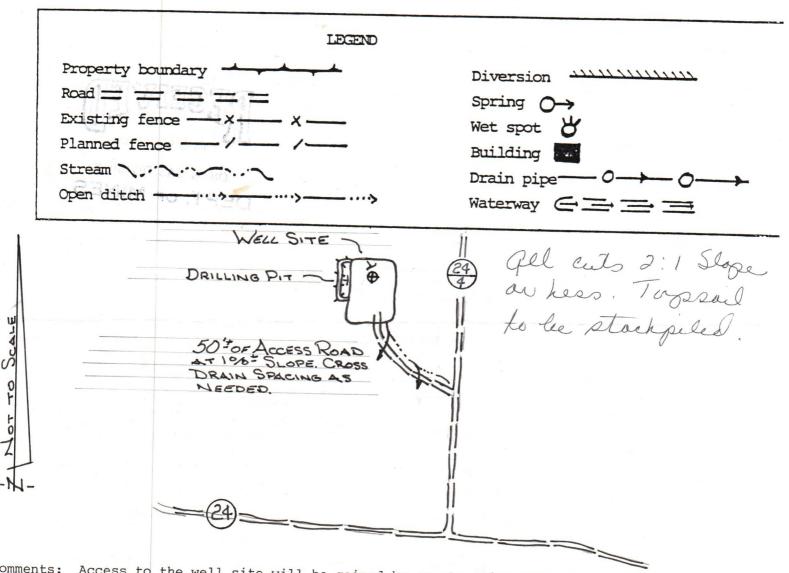
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE Nestorville 7.5' (1976)

LEGEND
Well Site
Access Road ———



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



comments: Access to the well site will be gained by constructing approximately 50 feet of new access road, beginning at a junction point in the Barbour County Route 24/4. The access road will be sloped at 2-3% towards the open ditch. All outlets of drainage structures and ditches ill be to stable areas. The well location will be located in a flat cleared area. All brush not timber will be removed from the area to be disturbed prior to any earth moving activities. The road and well site will be brought to desired grade with erosion control structures being an installed in conjunction with the grading. Natural vegetation (filter strip) will remain and interesting plan will be followed; however, due to lease restrictions, surface owner request and control measures will be installed and a Revised Plan will be Submitted.

IV-9 (Rev 8-81)





DATE February 28, 1984

State of Mest Mirginia API NO. 47 - 001 Bepartment of Mines Bil and Gas Bivision

WELL NO. Tacy No. 1

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Chesterfield Energy Corp.	DESIGNATED AGENT Stanley N. Pickens
319-320 Professional Bldg. Address Clarksburg, WV 26301	Address Clarksburg, WV 26301
Telephone 304/623-5467	Telephone 304/623-5467
LANDOWNER Marvin White, Jr.	SOIL CONS. DISTRICT Tygart Valley
Revegetation to be carried out by Stanl	ey N. Pickens (Agent)
This plan has been reviewed by Tygart	Valley SCD. All corrections
and additions become a part of this plan:	3/4/84
	(Date)
	(SCD Agent)
ACCESS ROAD	LOCATION
	Structure (1)
Science Diamage Dicen	Material
Spacing . Along Access Road	
Page Ref. Manual 2-12 to 2-14	Page Ref. Manual
Structure Cross Drains (B)	Structure (2)
	Material DECEIVE
Spacing As Needed	Page Ref. Mamual App 6 1084
Page Ref. Manual 2-1 to 2-4	ALMO
Structure (C)	Structure OIL & GAS DIVISION (3)
Spacing	Material DEPT. OF MINES
Page Ref. Manual	Page Ref. Manual
•	
	1 -1. and namained if necessary 47.7
commercial timber is to be cut and stack	ularly and repaired if necessary. All ed and all brush and small timber to be
All structures should be inspected reg commercial timber is to be cut and stack cut and removed from the site before dir	ed and all brush and small tumber to be
commercial timber is to be cut and stack cut and removed from the site before dir	t work begins.
commercial timber is to be cut and stack cut and removed from the site before dir	t work begins.
commercial timber is to be cut and stack cut and removed from the site before dir REVEG	t work begins. Treatment Area II
commercial timber is to be cut and stack cut and removed from the site before dir REVERS Treatment Area I Lime 3.0 Tons/acre	t work begins.
commercial timber is to be cut and stack cut and removed from the site before dir REVEG Treatment Area I Lime 3.0 Tons/acre or correct to pH 6.5	Treatment Area II Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre
commercial timber is to be cut and stack cut and removed from the site before dir REVEG Treatment Area I Lime 3.0 Tons/acre or correct to pH 6.5	ETATION Treatment Area II Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent)
commercial timber is to be cut and stack cut and removed from the site before dir REVEG Treatment Area I Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre	Treatment Area II Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre
reatment Area I Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre	Treatment Area II Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre
reatment Area I Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre	Treatment Area II Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre Birdsfoot Trefoil 10 lbs/acre
reatment Area I Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre	Treatment Area II Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre
Treatment Area I Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre Birdsfoot Trefoil 10 lbs/acre Dom Rye Grass 10 lbs/acre	Treatment Area II Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre Birdsfoot Trefoil 10 lbs/acre Dom Rye Grass 10 lbs/acre
Treatment Area I Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre Birdsfoot Trefoil 10 lbs/acre Dom Rye Grass 10 lbs/acre	Treatment Area II Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre Birdsfoot Trefoil 10 lbs/acre
Treatment Area I Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre Birdsfoot Trefoil 10 lbs/acre Dom Rye Grass 10 lbs/acre *Inoculate all legumes such as vetch, to the street and the street are the such as vetch, to the street and the street are the such as vetch, to the street are the such as vetch, to the street are the such as vetch, to the such as vetch as vetch, to the such as vetch as vetch, to the such as vetch as vetc	Treatment Area II Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre Birdsfoot Trefoil 10 lbs/acre Dom Rye Grass 10 lbs/acre
Treatment Area I Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre Birdsfoot Trefoil 10 lbs/acre Dom Rye Grass 10 lbs/acre *Inoculate all legumes such as vetch, to Inoculate with 3X recommended amount.	Treatment Area II Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre Birdsfoot Trefoil 10 lbs/acre Dom Rye Grass 10 lbs/acre refoil and clovers with the proper bacterium.
Treatment Area I Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre Birdsfoot Trefoil 10 lbs/acre Dom Rye Grass 10 lbs/acre *Inoculate all legumes such as vetch, the Inoculate with 3X recommended amount.	Treatment Area II Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre Birdsfoot Trefoil 10 lbs/acre Dom Rye Grass 10 lbs/acre refoil and clovers with the proper bacterium.
Treatment Area I Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre Birdsfoot Trefoil 10 lbs/acre Dom Rye Grass 10 lbs/acre *Inoculate all legumes such as vetch, the Inoculate with 3X recommended amount.	Treatment Area II Lime 3.0 Tons/acre or correct to pH 6.5 Fertilizer 600 lbs/acre (10-20-20 or equivalent) Mulch Hay or straw 2.0 Tons/acre Seed* Ky 31 Tall Fescue 40 lbs/acre Birdsfoot Trefoil 10 lbs/acre Dom Rye Grass 10 lbs/acre refoil and clovers with the proper bacterium.

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

DESIGNATION OF AGENT BY WELL OWNER OR OPERATOR

oll Sperieur XX / O.	Chesterfield Energy Corporation
	Address 320 Professional Building
•	Clarksburg, WV 26301
Pursuant to th	e provisions of Code 2 22-4-1k, and subject to the requirements of Regulation
.ul, the underpigned he	reby designates the following person to be the agent of the understand
replace of Leceiving bio	cess, notices, orders and other communications which may be issued under Contra
1 of the Code of West V	
	Samuel J. Cann, V.P. Land & Contracts
	320 Professional Building Clarksburg, WV 26301
	(304) 623-5467
The undersigned	d represents that said designated agent is a bona fide resident of the State of
est Virginia, and has a	greed to accept the designation. This designation applies to the following well:
XX all wells own	ed or operated by the undersigned in West Virginia
	ted below (Mad space below on revenue olds on attach list)
COUNTRY AS APPLICABLE!	
	undersigned is hereby recording an existing designation of agent made prior to
the	initial adoption of Form IV-1.
The	undersigned is proposing to own or operate wells in West Virginia for the first
	, so that this designation should also be considered the registration by the
	raigned with the Deputy Director.
The	undersigned has owned and operated a well or wells in West Virginia since the
	19, but has not heretofore appointed a designated agent.
	designation substitutes a new designated agent for the undersigned, who has
	d or operated a well or wells in West Virginia since the year 19 The
	ent designated agent of the undersigned, who will continue as such, if he is
ت ـ د	, until this new designation has been approved, is
	Agent being replaced
	Address
	Chesterfield Energy Corporation
	Well oner operator
sarran enes September	zy. Comment
	Test years Edita & Contracts
Clumb X	tes agent)
swor	to before me this 7th day of September , 1984.
and reside Stand	a Mummy My commission expires June 14th , 15 94

I can't or operator must be a responsible officer of the corporation, trustee, individual or legally

If the Lessee drills a productive well upon the demised premises and, for any reason, does not turn the same into pipelines within six (6) months after the completion of the well, or if the Lessee, for any reason, including but not being limited to, unavailability of markets, coal operations in the area of the well, or production problems, temporarily suspends production from a producing well and such suspension continues for a period of more than ninety (90) days, then the Lessee shall pay a shut-in royalty to the Lessor. The shut-in royalty, in such events, shall be equal to the delay rental herein provided for each acre of the lease held by the well and shall continue until such time as production is resumed. In no event shall this lease terminate or become void for non-payment of shut-in royalty. However, the Lessor shall have right of action against the Lessee for the amount of shut-in royalty and interest thereon. Shut-in royalty shall not be recoupable against production

(d) Free Gas:

If Lessor owns the surface overlying the gas herein leased, then Lessor hereby excepts and reserves from one well on said land producing gas an amount of gas not to exceed two hundred thousand (200,000) cubic feet per year for his own use for heat and light in one (1) dwelling house on said land at Lessor's own risk. Lessor shall be entitled to receive the free gas when and as long as Lessee may elect to produce or operate a well on the aforesaid leased premises. Lessor shall lay the necessary lines and make connections at Lessor's expense at such point on the demised premises as may be designated by the Lessee, provided said gas is used with economical appliances and is measured by meter furnished by Lessee. The regulation of such gas will be by regulator furnished by Lessor and approved by Lessee, placed at the top on the well or other designated point of connection. Gas shall be used at Lessor's own risk. Lessee shall not be liable for any interruption or insufficient supply of such gas caused by mechanical problems, breakage of lines, shut-in of wells for any purpose or for any reason whatsoever. If more than two hundred thousand (200,000) cubic feet per year is used, the excess shall be paid for by the Lessor at the same rate at which Lessee sells other gas produced from the well. In case of default in payment of gas used in excess of said two hundred thousand (200,000) cubic feet, Lessee is hereby authorized to deduct the amount thereof from any royalty or other payments that are then due or may later become due under the terms of this lease. If Lessor does not own the surface, then Lessee may furnish the free gas to the surface owner at its election, but, in such event, Lessor shall not be liable for gas useage over the free gas limit.

(e) Manner of Payment:

All payments hereunder may be made direct to the Lessor or by check payable and mailed Ruth THCY to <u>leo lacy and for Kuth THCY</u>, as agent of the Lessor, who is hereby appointed agent to receive and receipt for the same and to receive notices given by the Lessee as provided herein. All checks shall be mailed to the following address: EKINS, W. VL. 26241 5# 233-26-8142

- 4. DAMAGES AND RECLAMATION: Lessee shall pay to Lessor a reasonable amount for damages to fences or gates, or, in the alternative, Lessee may repair or replace the same at its expense. Lessee shall reclaim disturbed areas in a manner as required by its drilling permit and state law.
- 5. DRILLING NEAR DWELLING: No wells shall be drilled, without the consent of the Lessor, within a radius of two hundred (200) feet around any dwelling house existing at the time of drilling.
- 6. UNITIZATION: Lessee shall have the right to pool or unitize the leased acreage, or any part or parts thereof, with other tracts so as to form a drilling unit or pool not to exceed 180 acres for formations shallower than 4,000 feet and 640 acres for formations deeper than 4,000 feet. Operations upon the pooled acreage, for all purposes except royalty and free gas, shall be deemed to have occurred upon the demised premises. Lessor shall receive as royalties for minerals produced and marketed from the pooled area an amount equal to the proportion that Lessor's acreage placed in the pooled area bears to the total acreage in the pooled area.
- 7. SURRENDER: Lessee may at any time, upon the payment or tender of \$1.00 and all royalties and rentals then due hereunder, surrender this lease as to all or any part of the land demised.
- 8. OUTSTANDING INTERESTS: The rentals, royalties and payments herein specified are intended to be paid for a 100% ownership of the oil and gas. If Lessor owns less than a 100% interest in the oil and gas, the rental, royalty and payments shall be reduced to equal the interest of Lessor (i.e., if Lessor owns only a 50% interest in the oil and gas, then the rental, royalty and payments shall automatically be reduced to 50% of the amounts herein specified).
- 9. ASSIGNMENT: The entire or part of the interest or estate of either party hereto may be assigned. Upon such an assignment by the Lessee, the assignee shall be solely liable for all obligations of the Lessee hereunder.
- 10. PARTIAL EXECUTION: Should any of the parties named herein as Lessor fail to execute this lease, it shall, nevertheless, be binding upon all such parties who do execute it as Lessor.

11. OTHER PROVISIONS: Prilling Commitment

Furthermore, Union Drilling, Inc. agrees to drill a minimum
of one gas or oil well on said leased premises before the expiration
of the primary term; provided, however, that there is adequate specing
is available and that there are no preducing gas or cil wellson said if and only it Union Drilling, Inco has under lease a 100% interest This is a Paid Up Lease, and subject to other provisions herect, his lease shalf be and continue in force too the primary term here of and as long there after sprovided here in, what Ir on not bessee comnences, continues, ceuses or resumes drilling, production, or other rependions ensued lander on land proted there with, and without rental Anymenteer futher payments other than royalties-here in provided.

FORM IV-35 (PEVERSE)

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

Haverty & Fox

10,000# 80/100; 25,000# 20/40 590 BBLS Sand Laden FLuid

Elks

10,000# 80/100; 30,000# 20/40 710 BBLS Sand Laden Fluid

Alexander & Benson

10,000# 80/100; 45,000# 20/40 672 BBLS Sand Laden Fluid

WELL LOG

OB SOFT	מאט ביביבים	DOMINA ELECTION	REMARKS Including indication of all fa
OR SOFT	TOP FEET	BOTTOM FEET	
OR SOFT	0 25 28 107 140 153 740 1153 740 11288 112	25 28 102 107 140 153 740 1194 1194 1194 1194 1194 1194 1194 11	Including indication of all frand salt water, coal, oil and 2" stream water a 150' 1" stream water a 590' Gas Ck a 1440' 20/10-4" w/w Gas Ck a 1784' 2/10-4" w/w Gas Ck a 2187' 2/10-4" w/w Gas Ck a 2281' 12/10-4" w/w Gas Ck a 2281' 12/10-4" w/w Gas Ck a 2939' 12/10-4" w/w Gas Ck a 3126' 8/10-4" w/w Gas Ck a 3747' 8/10-4" w/w Gas Ck a 3747' 8/10-4" w/w Gas Ck a 3901' 14/10-4" w/w Gas Ck a 4087' 18/10-1" w/w Gas Ck a 4527' 10/10-4" w/w Gas Ck a 4714' 10/10-4" w/w Gas Ck a 4714' 10/10-4" w/w Gas Ck a 4934' 10/10-4" w/w Gas Ck a 5399' 14/10-2" w/w Gas Ck a 15 down 10/10 - ½" w/w
	OR SOFT	0 25 28 102 107 140 150 353 340 1168 1190 1244 1288 1382 2254 2402 2412 2900 2912 3055 3980 4228 4232 4875 4878 5035 5218 5308	0 25 28 102 102 107 107 140 140 150 150 353 353 359 740 940 940 1168 1168 1190 1190 1244 1244 1288 1382 1382 1285 1382 12854 2304 2254 2304 2304 2402 2412 2900 2912 2912 2912 2912 3034 3055 3072 3980 4228 4232 42875 4875 4878 5032 5035 5036 5036 5036 5036 5036 5036 5036 5037 5038 5038

5528 (Attach separate sheets as necessary)

Chesterfield Energy Corporation

Well Operator

Date:

August 27

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 of a well."

FORM IV-48WC (02-84)

STATE OF WEST VIRGINIA

SEP 28 1984

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

0.4 0	1077201
Date: Sept. 7, ,19 84	AGENCY USE ONLY
Applicant's Name: Chesterfield Energy Corporation	WELL DETERMINATION FILE NUMBER
Address: 320 Professional Building	8110010 102 001
Clarksburg, WV 26301	840910 -103-001-2044
Gas Purchaser Contract No. 1481	Use Above File Number on all Communications Relating to This Well
Date of Contract April 19, 1984 (Month, day and year)	
First Purchaser: Tenneco Attn: Kathy Schooley	Designated Agent: Samuel J. Cann
Address: P. O. Box 2511	Address: 320 Professional Building
(Street or P.O. Box) Houston, TX 77001	Clarksburg, WV 26301
(City) (State) (Zip Code) FERC Seller Code 003449	FERC Buyer Code
NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERN BE ADDRESSED:	ING THIS APPLICATION SHALL
Name: Samuel J. Cann (Print)	Vice President Land & Contract
Signature:	ann (Title)
Address: 320 Professional Buil	ding
(Street or P.O. Box) Clarksburg, WV	26301
623-546	(Zip Code)
(Area Code) (Phone I	Number)
(Certificate of Proof of Service to Purcha	aser)
NGPA Catagory App	olied For
NGPA SECTION/SUBSECTION	
102 New Natural Gas 102-2 2.5 Mile Test	108 Stripper Well Natural Gas
102-3 1000 Foot Deeper Test 102-4 New Onshore Reservoir	108- Stripper Well 108-1 Seasonally Affected
	108-2 Enhanced Recovery 108-3 Temporary Pressure Build
103 New Onshore Production Well XX 103 New Onshore Production Well	
107 High Cost Natural Gas	ACTUCK
107-0 Deep (more than 15,000 feet) 107-1 Geopressured Brine	AGENCY USE ONLY
107-2 Coal Seams 107-3 Devonian Shale	APPROVED
107-5 Production enhancement	
107-7 Recompletion Tight Formation	OCT -2 1984
RECEIVEN	
SEP 1 0 1984	
OIL & GAS DIV. DEPT. OF MINES	

Date Received

Determination Date

STATE OF MEST VINCINIA

DEPARTMENT OF MINES, OIL AND GAS DIMISION

September 7, 16 84

Tacy #1 Well

WELL CLASSIFICATION FORM

NEW ONSHORE PRODUCTION WELL

	NGPA Sect	icn 103		
		DESIGNATED AGENT	Samuel J. Ca	nn
		ADDRESS 320 P	rofessional Bu	ilding
			sburg, WV 263	
WELL OPERATOR	Chesterfield Energy Corp.	LOCATION Elevatio		
	O Professional Building	Watershed		
C1	arksburg, W 26301		County Barbour	2002 Nestory
CAS FURCHASER	Tenenco Attn: Kathy School	eyeas Furchase		
	0. Box 2511	Contract No Meter Chart Code	1481 N/A	
—— Но	uston, TX 77001	Date of Contract	April 19, 1984	
* = =	* * * * *	* • • •	± ± ±	\$ <u>.</u> <u>.</u>
Date surface	drilling was begun: August 15	1984		
Indicate the	hottom hole pressure of the well	and explain how this	was calculated	
	$P_2 = \frac{P_1^T_2}{T_1} = \frac{\text{(Surface Pressure})}{\text{(Surface)}}$	e)(Bottom Hole Pressu	re) = RHP	
	(Surf	ace Temperature)	707	
	$BHP = P1 + P1 (e^{x})$	(- 1)		
	P1 = 1300) G = 65 E T = 574	HP = 1407.92		
	AFFIDA			
surface drilli 1977: the well within a prora reservoir from in commercial was capable of the best of my is a new onsho	samuel J. Cann . have not the weil for which this det satisfies applicable state or fetion unit, in existence at the time which gas is or will be produced quantities or on which surface drapproducing gas in commercial quantiformation, knowledge and belief or production well and that I am ich is inconsistent with this consistent with this consistent.	deral well spacing in me surface drilling land which applied t illing began on or a tities. I state, fu f, that the well for	requirements and the began, which was apple to any other well prosected for February 14, 19 outlier, that I have continued to the continued to	well is not blicable to the oducing was 177, and which
STATE OF WEST V				• •
	rrison . 70 wit:			
do certify that	Brenda Drummond . a t.o. a.	y Public in and for	the state and county	y aforesaid.
the 7th day of	September . 1984 . has ac	is signed to the w	riting above. Ecaring	Care
• Ci	ven under my hand and official se	al this 7th	Contombo	unty aforesate.
r.y	term of office expires on the 1	4th day of line	Septement . 19 84	1 .
			. 19 94 .	
[FOTARIAL SEAL]		DH	Ma hum	word.

A COMPANY OF THE PARTY OF THE P	
1.0 APi well number:	47-001-2044
2.0 Type of determination being sought. (Use the codes found on the front of this form!)	107 Section of NGPA Categories Categories
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5528 SEP 1 0 1984
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Chesterfield Energy Corporation Name 320 Professional Building Street Clarksburg W 26301 State Zip Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Tacy #1 Well Field Name Barbour County County State
(b) For OCS wells:	Not Applicable Area Name Date of Lease Mo. Day Yr. OCS Lease Number
(c) Name and identification number of this well: (35 letters and digits maximum.)	Tacy #1 Well 47-001-2044
(d) If code 4 or 5 in 2.0 above, name of the reservoir (35 letters maximum.)	Not Applicable
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Tenneco Name Buyer Code
(b) Date of the contract.	0,4,1,9,8,4, Mo Day Y:
(c) Estimated annual production:	MMcf.
	(a) Base Price (b) Tax (c) All Other Prices [Indicate (b) and (c) (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	5.850585 6.435
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	5.850585 6.435
9.0 Person responsible for this application: Agency Use Only Date Received by Juris. Agency SEP 1 0 1984 Date Received by FERC	Chesterfield Energy Corporation Samuel J. Cann V.P. Land & Contract Signature September 7, 1984 Cann V.P. Land & Contract September 7, 1984 Cann V.P. Land & Contract September 7, 1984 Cann V.P. Land & Contract Final Paris Number Phone Number

FITTING OF .

FORM IV-48WC (02-84)

STATE OF WEST VIRGINIA

SEP 28 1984

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FO	R WELL CLASSIFICATION
Date: <u>Sept, 7, ,19 84</u>	AGENCY USE ONLY
Applicant's Name: Chesterfield Energy Corporation	WELL DETERMINATION FILE NUMBER
Address: 320 Professional Building	9./4.0.4.
Clarksburg, WV 26301	840910 -107-001-2044
Gas Purchaser Contract No. 1481	Use Above File Number on all Communications Relating to This Well
Date of Contract April 19, 1984 (Month, day and year)	
First Purchaser: Tenneco Attn: Kathy Shoooley	Designated Agent: <u>Samuel J. Cann</u>
Address: P. O. Box 2511	Address: 320 Professional Building
(Street or P.O. Box) Houston TX 77001 (City) (State) (Zip Code)	Clarksburg, WV 26301
FERC Seller Code 003449	FERC Buyer Code
NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERN BE ADDRESSED:	ING THIS APPLICATION SHALL
Name: Samuel J. Cann (Print)	Vice President Land & Contract
Signature:	(Title)
Address: 320 Professional Buil (Street or P.O. Box)	ding
(City) (State)	26301 (7:0 Code)
Telephone: (304) 623-546 (Area Code) (Phone	(Zip Code) 7 Number)
(Certificate of Proof of Service to Purcha	
NGPA Catagory App	olied For
NGPA SECTION/SUBSECTION	
102 New Natural Gas 102-2 2.5 Mile Test 102-3 1000 Foot Deeper Test 102-4 New Onshore Reservoir 103 New Onshore Production Well 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 Euild
107 High Cost Natural Gas 107-0 Deep (more than 15,000 feet)	AGENCY USE ONLY
107-1 Geopressured Brine 107-2 Coal Seams	MOENCY USE UNLY
XX 107-3 Devonian Shale 107-5 Production enhancement	
107-6 New Tight Formation 107-7 Recompletion Tight Formation	APPROVED
	OCT -3 1984
Keceraen	
SEP 1 0 1984	
OIL & GAS DIV.	

ate Received

DEPT. OF MINES

Determination Date

STATE OF WEST VIRGINIA

Date September 7, 1984

DEPARTMENT OF MINES OIL AND GAS DIVISION Operator's Well No. Tacy #1 Well

API Well No.

47 - 001 - 2044 State County Permit

WELL CLASSIFICATION FORM HIGH COST GAS WELL - DEVONIAN SHALE

NGPA Sec	tion 107
	DESIGNATED AGENT Samuel J. Cann, VP Land & Contr
	ADDRESS 320 Professional Building Clarksburg, W 26301
WELL OPERATOR Chesterfield Energy Corp.	LOCATION Elevation 1712.90' Watershed Laurel Creek
Address 320 Professional Building	Dist. Cove County BarbourQuad. Nestorville
Clarksburg, W 26301	Gas Purchase
.gas purchaser Tenneco Attn: Kathy Schoole	
ADDRESS P. O. Box 2511	Meter Chart Code N/A
Houston, TX 77001	Date of Contract April 19, 1984
* * * * Date surface drilling began: August	* * * * 15_1984
Indicate the bottom hole pressure of the w	The state of the s
$BHP = P1 + P1 (e^{X} - 1)$	
P1 = 1300	
G = 65 T = 574	
$\dot{X} = \dot{G}L/53.34T$ BHP = 1407.92	
DI = 1407.32	
	IDAVIT
Devonian Shale as indicated by a Gamma Ray described in subparagraph (3)(i) or (3)(if report described in subparagraph (3)(ii)(B) of potentially disqualifying non-shale footpercent of the gross Devonian age interval not described in the application which is qualifies as a high-cost natural gas well.	(A) has been filed, or as indicated by the
STATE OF WEST VIRGINIA	
COUNTY OF Harrison , TO-WIT:	
I, Brenda Drummond , a Notary	Public in and for the state and county
aforesaid, do certify that Samuel J. Cann	
the writing above, bearing date the 7th dacknowledged the same before me, in my coun	ay of September , 1984 . has
Given under my hand and official seal this My term of office expires on the 14th day	7th day of <u>September</u> , 19 <u>84</u> . of <u>June</u> , 19 <u>94</u> .
(NCTARIAL SEAL)	PHINDS HUMWYOND Notary Public



Chesterfield Energy Corporation SUITE 319-320 PROFESSIONAL BUILDING SOUTH THIRD STREET CLARKSBURG, WEST VIRGINIA 26301

CERTIFICATE OF SERVICE

	I, Stanley N. Pickens, hereby	certify that I have this
day of _	September	19 <u>84</u> served the foregoing
document	tsupon the following named party	of record in this proceeding by
mailing	a copy thereof properly address	sed as follows:

Kathy Schooley Tenneco P. O. Box 2511 Houston, TX 77001

Certified Receipt #P-528-449-340

CHESTERFIELD ENERGY CORPORATION

BY

Stanley N. Pickens, President

DEVONIAN SHALE GAMMA RAY LOG ANALYSIS APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT

Operator: Chesterfield Energy Corp. Agent: Samuel J. Cann, VP Land/Contra
Type Determination being sought - 107 (Devonian Shale)
API Well No.: 47-001-2044 Well Name: Tacy #1 Well
West Virginia Office of Oil and Gas County: <u>Barbour</u> References: SJA File No.
Vol Page Line
I. NOTE: A Gamma Ray Log has been marked with the (a) Shale Base Line, (b) a line representing 0.7 x (Shale Base Line), (c) intervals with Gamma Ray units less than 0.7 x (Shale Base Line) and that log is included with this analysis.
I. Gamma Ray elevation indices:
A. Shale Base Line (API Units)
 GR Value at Base Line = 140 *API Units Remarks:
B. Gamma Ray Log Value at 0.7 x Value at Base Line
1. GR Value = 140 *API Units
2. Calculation: 0.7 (GR Value at Base Line) 0.7 (140 *) = 112 API Units
. Intervals with GR index less than 0.7 x (Value at Base Line):
From** Thickness of Interval O.7 (Shale Base Line) Feet Thickness of Interval Feet Feet Thickness of Interval O.7 (Shale Base Line) Feet
3000 3000 5000
5000 1000 1000
5528 1000 528 1000 60
Total Devonian Interval 3912
Less Than 0.7 (0)
Less Than 0.7 (Shale Base) Than 0.7 (Shale Base)
Than 0.7 (Shale Base Line) = $\frac{170}{3412} \times 100 = \frac{170}{3412}$
4.34
of Devonian Section Recorded on 5:
his Column Bottom of Doveded on First Ind
of Devonian Section Recorded on First Interval in this Column. Ser of TD or Bottom of Devonian Section Recorded as last Interval
as last Interval

