FILE COPY



1)	Date:	Man	rch 13		1984
2)	Operator's Well No.	/400#3	39		FORM IV
3)	API Well No.	47 -	-33 -	3018	- Se 18 V G Z
		State	Cou	nty	Permit

File

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

			<u>A</u>	PPLICAT	ION FOR A WEI	L WORK PERMIT		
B (I	If "Gas", F	Production	n X		_/ Underground	storage	/ Deep	
								Valt Summit
				1opmen			Quadrangle: V	el L. Edwards
D							P. O. Box 26	, 103 East Main St
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S INSPEC	TOR TO I	BE NOTI	FIED			9) DRILLING C	ONTRACTOR:	
					100 m	Name		
			070			Address	-	
Jane 1	Lew, WI	the year to be a party of the same	THE STREET					
ED WELL	WORK:	Dim_					I V	SCELV SI
						ate new formation		1
				Dam			4	APR 4 - 1984
					0		Part of the second	ALLI
					n leet	020	feet	OIL & GAS DIVISION
					O Sait	1	e area? Yes	PT. NOF MINE
							יום	ar 1. Or Avilla
	SPECI	IFICATIONS Weight	1	Used		1	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
-		-			30'	30'		unface
								Sizes
8-5/8	J-55	20	X		850'	850'	Cement to s	urface NEAT
4-1/2	J-55	10.5	X		5000'	5000'	400 sks.	Depths set
					E USE ONLY	DIFTIO	or as re	by rule 15.0.
		27.9						Perforations:
	znotrsa	vani citt	welle	-vnn.fil	in beatistance	Piches to settle	A THE TOT FOR THE STATE OF THE	Top Bottom
lots[]				1 "		177		
								barrieds childways
			107110		OFFICE USE	ONLY		The same a residue dela
					DRILLING PE	RMIT		Well work started
47-	033-30	18					April 17	19 84
		64.		The same		4.5	The second secon	
ering the w	ell operato	or and wel	ll locati	on shown	below is evidence	of permission grant	ed to drill in accordan	ce with the pertinent legal re-
ect to the co	onditions c	contained	herein	and on the	reverse hereof. No	otification must be s	iven to the District Oil	and Gas Inspector, (Refer to
the constructors inspector	or 24 hours	ads, locat s before a	ctual pe	ermitted w	ork has commence	ed.)	ven operator or ms con	tractor shall hothly the proper
							to any modifications a	nd conditions specified on the
			c and r	тррпсано	ii, piat, and reciam	ation plan, subject	io uny mounteurons u	palaiquido Aumana Cor
Apr	il 17,	1986			unless wel	l work is commenced	d prior to that date and	prosecuted with due diligence.
								OTHER INSPECTIONS
Agen	nt: I	Plat:	Casi	ng	Fee			
	12/	Carlo Carlo		10	32-			
//	n	011	m	11 8	0.7		100	THOSE OF THE
I.	on	21	m	H S	182	1	10,	1
	B (IDN: Electronic Ele	B (If "Gas", I District: District: PERATOR Petro Perator Stephen Case Rt. 2, Box 2 Jane Lew, Ward Jane Lew, Ward Perator Perator Stephen Case Steph	B (If "Gas", Production DN: Elevation:	B (If "Gas", Production X B (If "Gas", Production X District: Clark PERATOR Petroleum Deve S P. O. Box 26, 103 Bridgeport, WV 2 AS INSPECTOR TO BE NOTIFIED Stephen Casey S Rt. 2, Box 232-D Jane Lew, WV 26378 ED WELL WORK: Drill X Plug off old Other physical ICAL TARGET FORMATION, ated depth of completed well, eximate trata depths: Fresh, eximate coal seam depths: AND TUBING PROGRAM SPECIFICATIONS Weight per ft. New 11-3/4 H-40 42 X 8-5/8 J-55 20 X 4-1/2 J-55 10.5 X 47-033-3018 Pering the well operator and well location the construction of roads, locations and gas inspector 24 hours before actual power is as described in the Notice and A work is a work in the Notice and A work is as described in the Notice and A work is as described in the Notice and A work is as described in the Notice and A work is as described in the Notice and A work is a second in the Notice and A work is a work in the Notice and A work is a second in the Notice and A work is a second in the Notice and A work is a second in the Notice and A work is and A work is a second in the Notice and A work is a second in t	B (If "Gas", Production X District: Clark PERATOR Petroleum Development Production Service S	PE: A Oil / Gas / Underground	B (If "Gas", Production X	DN: Elevation: 1133 Watershed: Davisson Run District: Clark County: Harrison Quadrangle: Micha PERATOR Petroleum Development Corp. S P. O. Box 26, 103 East Main St. Bridgeport, WV 26330 SINSPECTOR TO BE NOTIFIED Stephen Casey S Rt. 2, Box 232-D Jane Lew, WV 26378 ED WELL WORK: Drill X / Drill deeper Redrill Stimulate Plug off old formation Other physical change in well (specify) Benson Counter trata depth of completed well, 50;680 feet; salt, 920 feet. Doximate trata depths: Fresh, 50;680 feet; salt, 920 feet. Doximate coal seam depths: 50;520 Is coal being mined in the area? Yes DRACKS (Cable feet) NAD TUBING PROGRAM SPECIFICATIONS Size Grade per fin. New Used For drilling Left in well (Cable feet) 11-3/4 H-40 42 X 30' 30' Cement to S 4-1/2 J-55 10.5 X 5000' 5000' 400 sks. OFFICE USE ONLY DRILLING PERMIT 47-033-3018 April 17 Dat Perforate new formation on the reverse hereof. Notification must be given to the District Oil the construction of roads, locations and pits for any permitted work. In addition, the well operator or his cong as inspector 24 hours before actual permitted work has commenced.) Work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications are constructed work in an addition, the well operator or his cong as inspector 24 hours before actual permitted work has commenced.)



SPATHOF WEST VIRGINIA NI OF MINES, OIL AND CA

OFFICE USE ONLY

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

and the second s	Payissch Kun		evations 1133	5) LOCATION: Ele
Wolf Dummit 7	Herrison Ouadrande			
episwol .U .losi!	DESIGNATED AGENT		Wetroleth Develo	
JOSEPH SERVICE CONTRACTOR	Address 2. U. mOX	Je masm Je		
	a and a partie		legeport, WV 2006	
	9) DRHLING CONTRACTOR: Name		TOR TO BE NOTHER	8) OIL & GAS INSPEC
				Name No. 2
			[10] - 10] 10 [10] 12 [10] 12 [10] 12 [10] 12 [10] 12 [10] 12 [10] 12 [10] 12 [10] 12 [10] 12 [10] 12 [10] 12	
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WELL TO SIGN - THE		inge in well (specify)	Other physical cha	
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MOIDIVIO SAD IS JIO		1991 CS-5 + 1		12) Estimated depution
	rees.			
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T Dephaser Co	OFFIC	TE LICE ONLY	X 6.01 1 88-5	2/E-4/16 notable
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Last MM hat 34.1				
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This part of Form IV-2(b) i		n occurrences and an	y follow-up inspections.	Date(s)
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Application received Well work started Completion of the drilling process Well Record received	Date Date Y.IV. TIME Time a succession president of the Bull in account of the Bull in	Follow-up insp HEALT, LING PE Shown below a evidence on the reverse hereof work and the reverse hereof work that commender titled work has commender	ection(s) " " " " " " " " " " " " " " " " " "	ern funtabler to be what so be wisements satisfied to the construction of all constructions and gas inspects to permitted work is as the source before
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See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

COAL OWNER'S COPY



1)	Date:	March	13	_, 19
2)	Operator's Well No	#39		
3)	API Well No.	47		
,		State	County	Permit

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

					Al	PPLICA	TION FOR A	WELL WO	ORK PERMI	Ī		
4)	WELL TYP	E: A O	il	/ Ga	s							
							/ Undergro	ound storag	ge	/ Deep	_/	Shallow/)
5)	LOCATION						Watershe					
										Quadrangle: _		
6)	WELL OPE						ent Corp.			DAGENT Mich		L. Edwards
	Address						Main St.		Address	P. O. Box 2	6,	103 East Main St
		Br	1dcepo	rt. WV	1 2	6330				Bridgeport,	MY	26330
8)	OIL & GAS	SINSPEC	TOR TO I	BE NOTIF	TED			9)	DRILLING C	CONTRACTOR:		
	Name	Steph	en Cas	ey				. 1	Name			
	Address	Rt. 2	, Box	232-D					Address		7 6	
		Jana	Lew, W	V 26	378							000000
10)	PROPOSE	D WELL	WORK:	Drill	X	_/ Drill	l deeper		Redrill	/ Stimulate	ME	
				Plug of	f old f	ormatio	n/ P	Perforate n	ew formation	n/	1	30000
				Other pl	nysical	change i	in well (specify)			1	VIV.
11)	GEOLOGI	CAL TAR	GET FOR	MATION,		Be	enson					APR 4 - 1984
	12) Estima	ted depth o	of complete	ed well,		50	000	_feet			011	a cas pivision
	13) Approx	kimate trat	a depths:	Fresh, _		50;6	feet;	salt,	920		OIL	& GAS DIVISION
	14) Approx	kimate coa	l seam dep	ths:		50:5	520	_Is coal bei	ng mined in th	ne area? Yes	EP	T. WE MINES
15)	CASING A	ND TUBI	NG PROC	GRAM								
	SING OR		SPEC	IFICATIONS			FOOT	AGE INTER	VALS	CEMENT FILL-UP	-	PACKERS
TU	BING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling		Left in well	OR SACKS (Cubic feet)		
Conc	luctor	11-3/	6 H-60	42	X		301		301	Cement to	K	inds
Fresh	water											E S S S S S S S S S S
Coal											Siz	es
Inter	mediate	8-5/8	1-55	20	X		8501		8501	Cement to	8117	face
Prod	uction	4-1/2	1-55	10.	A		50001		5000	400 sks.	De	epths set
Tubi	ng											
Line	rs										Pe	rforations:
												Top Bottom
				INS	TRUC	TIONS	TO COAL OPE	FRATOR	OWNER OF	RLESSEE	1	
		The	named coa	l operator	coal c	wner(s),	and coal lessee	are hereby	notified that	t any objection they w	ish to	make or
			pplication				e filed with the I	Departmen	t of Mines wi	thin fifteen (15) days a	iter ti	le receipt
		of this A	ppiication	by the be	Jartine							
			The follo	wing waiv	er must	be com	pleted by the co	oal operate	or and by any	coal owner or coal le	ssee	
who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15)												
			days of th	ne filing of	the A	pplicatio	n.					A second
							WAI	VER				
						,		/1		/ of the	and a	ander this well location has
I	he undersign	ed coal ope	ll location	If a mine	man e	_/ owner						ided to the mine map. The
und	ersigned has	no objecti	on to the v	vork prope	osed to	be done	at this location	, provided	, the well ope	rator has complied wit	h all	applicable requirements of
	West Virgini								1	1	,	
								V	Hall	11/1/1		Marien
			1	1		,		2	/ gun	The state of the s	1	nava -
Dot	. W/	esola	1 4	14	08.	4		Ry	Des	us Del	11	ather



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

Diana Goff Cather Laura Goff Davis Petroleum Development Corp. .0625 1007/714
Petroleum Development Corp. .0625 1007/714

-33 - 3919

	and an age
	State of My the Marien,
	Man With My Vieton
Telephone 304/842-6256	
Bridgeport, West Virginia 26330	The states of th
Address P.O. Box 26	M. L. Edwards
Its Vice-President of Exploration	in the County and State by
By M-(-My	signed on behalf of the Well Operator
OPERATOR Petroleum Development Corporation	and sworn to and the Notice is
MEIT	Notice and Application is verified
	The truth of the information on the
ritons, and for instructions concerning	See the reverse side for line item instructive required copies of the Notice and Apple Reclamation Plan.
ttonal is needed. If the answer is Yes,	The answer above is No, nothing additionally bound in Volume Monthly and Volume Monthly No. 10-60.
THE WEST TOYALLY OF ANY SUBSTREE PROVISION	or other contract or contracts providing for if is call or gas to the owner of the old or gas to the wolume of old or gas so extracted, produce of old or gas so extracted, produce of old or gas so extracted, produced to the contracted of the cont
, and an in	Is the right to extract, produce or market the
gh (4). (See reverse side for specifics.)	I hold the right to extract oil or gas. The requirement of Code 22-4-1-(c)(1) through
יים יים יים יים אוראקת אל שפירות שנייוים שנייוים שנייוים שנייוים שניים שנים שנ	Included is the lease or leases or other con
DEPT. OF MINES	Check and provide one of the following.
OIF & GAS DIVISION	before the day of mailing or delivery to the Admit
data Application and accompanying documents the Office of Oil and das, West virtually the Office of Oil and das, West virtually the Office, the Application, the place and the place of opticial the Oil and the O	
YNA SMAT OT GENTOLEM TON ONE COLL (ASSAULT	(FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOW
n Form IV-9)unless the well work is only to be erosion and sediment control and for d.	reclamation for the site and access road
es involved in the drilling or other work, and, if applicable, the proposed casing and	and describes the well and its location cementing program;
10 FORT TV-2/(R) (S) (R) (S-VI PROF GO	THE PERSON(S) NAMED ABOVE: You should have r
	TO THE PERSON(S) NAMED ABOUT. Von should here
Address	
SmsN	- 사용· 사용·
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:	
Address p. 0. Box 707	Address
Name Laura Goff Davis	ansW (iii)
Clarksburg, West Virginia 26301	Clarksburg, West Virginia 26301
Address 163 East Main Street	Address P.O. Box 707
Name Diana Goff Cather	(ii) Name Clarksburg, West Virginia 26301
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD	Address 163 East Main Street
Address	(i) Name Diana Goff Cather
5(i) COAL OPERATOR	4) SURFACE OWNER(S) OF RECORD TO BE SERVED
	4) SUBFACE CWNFP(S) OF PEOOPD TO PE SEPRET
ICE OF OIL & GAS	DEPARTMENT OF MINES, OFF
State County Permit	CTATTE OF LIBERT 1:
3) API Well No. 47-33 - 30/8	•
Well No. #39	[8-83]
1) Date: March 13, 1984 2) Operator's	Obverse
1-0	(A) Z-VI POI

SURFACE OWNER'S COPY



1)	Date:	HELLI	73	, 19
2)	Operator's Well No	#39		
3)	API Well No.	47		
	7.80	State	County	Permit

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

					Al	PLICAT	ION FOR A WEI	L WORK PERMIT		
4)	WELL TYP									(a, n)
				100 m	22			storageRui	_/ Deep	_/ Shallow/)
5)	LOCATION		vation:	Clas	ele ele		_ Watershed: County:	Harrison	CONTRACTOR OF THE PARTY OF THE	OF SHARMAN T
	WELL OPE		trict:	ALCOHOLD STATE OF THE PARTY OF		opmen			AGENT Michael	
6)	Address	RATUR_	O. Box	26. 1	03 E	last M	ain St.	Address	2. O. Box 26,	103 East Main St.
	Address	The second second	dgepor	Market of Carlo Spice (School Spice)	26	330			Bridgeport, i	W 26330
8)	OIL & GAS	INSPEC	TOR TO I	BE NOTI	FIED			9) DRILLING CO	NTRACTOR:	
			n Case					Name		
	Address	Rt. 2,	Box 2	32-D	3 99-75			Address		
		Jane L	ew, W						500	निताहाराराराना
10)	PROPOSE	D WELL	WORK:			_/ Drill		/ Redrill	AND DESCRIPTION OF THE PROPERTY OF THE PERSON OF THE PERSO	SP CONTRACTOR
								rate new formation_		
			CET FOR			12 000				APR 4 - 1984
	GEOLOGIO 12) Estima					500	feet			
	13) Approx					50;68	feet; sal	200	feet.	OIL & GAS DIVISION
	14) Approx					50;52	Is co	oal being mined in the	area? Yes DE	PT. OF MINES
	CASING A									
	SING OR	1		IFICATION:	5		FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
TUE	BING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
Cond	uctor	11-3/4	H-40	42	X		30"	3000	Cement to s	Kinds
Fresh	water								ACCESS OF THE SECOND	
Coal				0.0	- Alex		8501	8501	Cement to Si	Sizes
1	nediate	3-5/8	3-33	20	A		5000*	5000*	400 sks.	Depths set
Produ		4-1/2	J-55	10.5	A		3000	2002	07 85 776	Du 12114 15.01
Tubin										Perforations:
Liner	S									Top Bottom
The sales										

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)	(For execution by natural persons)	, ,
NAME:	Date: (Stage Pre)	3/24/84
Ву	Dean Both Cather Date	
ItsDat	(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.

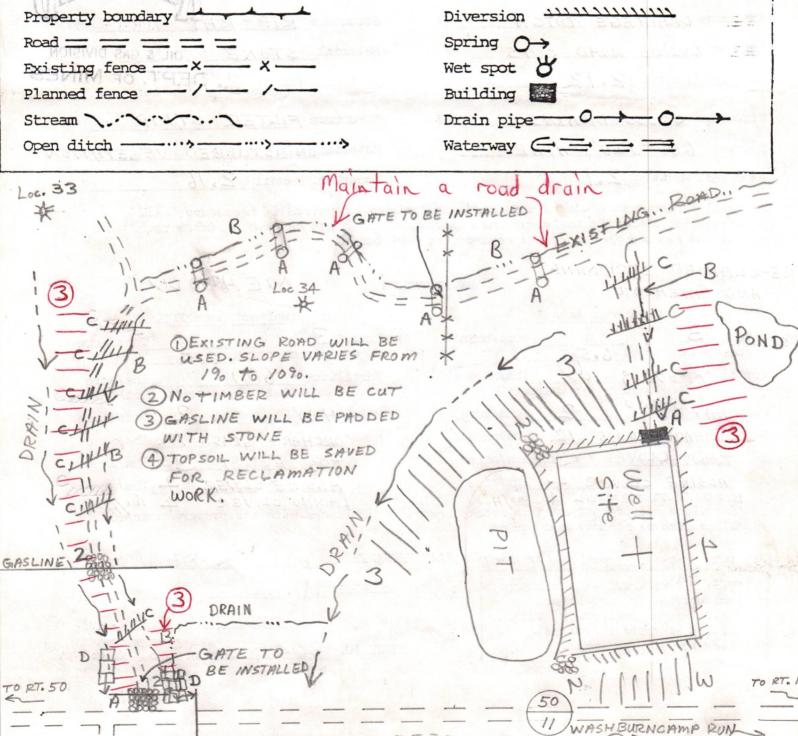
Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

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.



IV-9 (Rev 8-81)



DATE MARCH 14, 1984 WELL NO. 39

State of Mest Mirginia API 10.47

Department of Mines
THIS REVIEW IS MADE FOR SITE AS SHOWN. A
CHANGE OF ELEVATION OF PLUS OR MINUS 10 FT.
OR SLOPE OF PLUS OR MINUS 3 PERCENT MAKES
THIS PLAN NOT ACCEPTABLE TO WESCD.

COMPANY NAMEPETROLEUM DEVELOPMENT	DESIGNATED AGENT MIKE EDWARDS
Address P.O. 26 BRIDGE PORT W.VA.	Address P.O. 26 BRIDGE PORT W. VA.
Telephone 304-842-6256	Telephone 304-842-6256
LANDOWNERNATHAN GOFF ILL ESTATE	SOIL CONS. DISTRICT WEST FORK
Revegetation to be carried out by SEE	
This plan has been reviewed by	est Fork SCD. All corrections
and additions become a part of this plane	3/28/84
STRUC: SEDIMENT BARRIER (D)	(Date)
MATL: HAY BALES	Servett & Aught ON SITE REI
PG. 2.16	(SCD Agent) 3 268
ACCESS ROAD	LOCATION
Structure DRAIN PIPE V (A)	Structure DIVERSION DITCH (1)
(according to Oil & Gas Manuallat national Spacing (MIN) 18" I.D.)	ural drains) Material EARTHEN
Page Ref. Manual - 2.7	Page Ref. Manual 2. DECELVE
Structure DRAIN AGE DITCH (B)	Structure RIP - RAT APR 4 - 198(2)
Spacing INSIDE ROAD CUTS	Material STONE OIL & GAS DIVISION
Page Ref. Manual 2./2	Page Ref. Manual 2. DEPT. of MINE
Structure CROSS DRAINS (C)	Structure FILTER STRIP (3)
Spacing 60'-120' APART	Material UNDISTURBED VEGETATION
Page Ref. Manual 2./	
The state of the s	Page Ref. Manual 2.16
All structures should be inspected reg commercial timber is to be cut and stack	ularly and repaired if necessary. All
cut and removed from the site before dir	t work begins.
RE-CLAIMED STRIPMINE	
	ETATION MEADOW
Treatment Area I	Treatment Area II
* Lime 3 Tons/acre	* Lime 3 Tons/acre
or correct to pH 6.5	or correct to pH 6.5
Fertilizer 600 % /00 lbs/acre (10-20-20 or equivalent)	Fertilizer 600 lbs/acre (10-20-20 or equivalent)
Mulch HAY 0-46-0 2 Tons/acre	Mulch HAY 2 Tons/acre
Seed* ORCHARD GRASS 10 lbs/acre	Seed* ORCHARD GRASS 10 lbs/acre
RED CLOVER 12 lbs/acre	RED CLOVER /2 lbs/acre
ALSIKE CLOVER 4 1bs/acre	ALSIKE CLOVER 4 lbs/acre
*Inoculate all legumes such as vetch to	efoil and clovers with the proper bacterium.
Inoculate with 3X recommended amount.	ejott and clovers with the proper bacterium.
FLIME ACCORDING TO PH TEST	IN FREFARED BY PAUL G. DEANT
HOTES: Please remuet landouren.	
cosperation to protect new	ADDRESS P. O. 26
seedling for one growing season. Attach separate sheets as	BRIDGEPORT W.VA.
weareness for comments	

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

Perforated Benson with 13 shots (4413'-18'). Performed gelled H2O frac job with N2 assist using 15,000# of 80/100 sand, 44,000# 20/40 sand and 57,000 scf N2.

WELL LOG

	1		REMARKS
COLUMN COLOR HARD OF COLUMN	TOP FEET	BOTTOM FEET	Including indication of all fresh
CORMATION COLOR HARD OR SOFT	TOP TIME	DOTTO: TEE	and salt water, coal, oil and gas
KB to GL	0	10	1" stream H2O @ 37'; coal @ 138'
sand, shale, redrock	10	1387	1 3/4" stream H2O @ 190'
big lime	1387	1437	
keener	1437	1463	
big injun	1463	1542	400
sand, shale	1542	1922	
50 foot	1922	1960	
sand, shale	1960	1973	
30 foot	1973	2009	
sand, shale	2009	2022	
	2022	2043	gas @ 2046'; no show
gordon sand, shale	2043	2188	gas @ 2046'; no show
4th sand	2188	2212	
	2212	2226	
sand, shale	2226	2256	
5th sand	2256	2282	
sand, shale	2282	2297	a latter makemen benke mass
lower 5th	2297	2350	gas @ 2329'; 2/10=1" w/H20
sand, shale	2350	2384	gas e 2323 , 2, 20 2,
bayard	2384	2938	gas @ 2423'; 108/10=1" w/H20
sand, shale	2938	3072	gas @ 2922'; 20/10=1" w/H20
speechley	3072	3191	gas e 2,22 , 20,10 1 m, 125
sand, shale	3191	3406	gas @ 3327'; 40/10=1" w/H20
balltown	3406	3702	gas e 3327 , 40/10 1 w/1125
sand, shale	3702	3842	
bradford	3842	4215	gas @ 4192'; 20/10=1" w/H20
sand, shale		4322	gas e 4172 , 20/10 1 4/1125
riley	4215	4408	
sand, shale	4322	4446	
benson	4408		leaser TD
sand, shale	4446	4562	logger TD driller TD
		4565	gas @ 4471'; 60/10=1" w/H20
			gas after drill collars; 50/10=1'
		Telephone and telephone	
			w/H2O

(Attach separate sheets as necessary)

TROLEUM DEVELOPMENT CORPORATION Well

Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic Note: detailed geological record of all formations, including eval, encountered in the drilling of a well."

IV-35 (Rev 8-81)

OIL & GAS DIVISION

DEPT. of MINES State of Mest Birginia Bepartment of Mines

Date	3/4/	85		
Operat Well N		#39	97 : 35 }	u de Seus de S
Farm	Nathan	Goff		
ADT No	47 -	033	_	3018

(Continue on reverse side)

Gil und Gas Bivision

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

OCATION: Elevation: 1133' Watershed				
District: Clark County Harr	ison	_Quadrangle	e Wolf Su	mmit 7½'
	- 1		487 188 188	1857
COMPANY PETROLEUM DEVELOPMENT CORPORATION	-			
ADDRESS PO BOX 26, Bridgeport, WV 26330	Casing	Used in	Left	Cement
DESIGNATED AGENT Steven R. Williams	Tubing	Drilling		fill up Cu. ft.
ADDRESS PO Box 26, Bridgeport, WV 26330	Size	1		cement to
Diana Goff Cather SURFACE OWNER 163 East Main St, Clarksburg, WV	20-16	30'	30'	surface
Laura Goff Davis ADDRESS PO Box 707, Clarksburg, WV 26301	Cond.			Targe of Mar.
MINERAL RIGHTS OWNER same as surface	9 5/8			- 5 1 Mark 4 Mar
ADDRESS	8 5/8	958'	9581	230 sks
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Rt 2, Box 232-D	7			ram.
Casey ADDRESS Jane Lew, WV 26378	5 1/2			· 20.40
PERMIT ISSUED April 17, 1984	4 1/2	4502'	4502'	500 sks
DRILLING COMMENCED 2/15/85	3			Maria de Maria
DRILLING COMPLETED 2/19/85	2			The second
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED	used		72. A	
ON				
GEOLOGICAL TARGET FORMATION Benson		Dep	oth 50	000 feet
Depth of completed well 4565' feet				
Water strata depth: Fresh 37; 190'feet;	Salt_ n	/a feet		
Coal seam depths: 138'	Is coal	l being mir	ned in the	e area?no_
OPEN FLOW DATA				
Producing formation Benson	Pa	ay zone dep	oth 4413-	18 feet
Gas: Initial open flow not taken Mcf/d				
		inal open i		
Time of open flow between ini-	tial and	final tests	s_4 h	ours
Static rock pressure 1720 psig(surfa	ce measur	ement) after	er ⁷² ho	urs shut i
(If applicable due to multiple completio	n)			
Second producing formation	P	ay zone dej	pth	fee
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				

DEPARTMENT OF MINES



OIL & GAS DIVISION

INSPECTOR'S WELL REPORTEDT. OF MINES

	<u>3018</u>				Oil or	Gas Well
Company Leta	Leum Dev	el. Co	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address			Size			
Parm	// Cather		16			Kind of Packer_
Well No	39	2	13	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
District Clark	County	Tarn.	81/4			Size of
Orilling commenced	2-15-85		6%			Depth set
Orilling completed	Total depth		5 3/16			
	Depth of shot		3			Perf. top
	/10ths Water		Liners Used			Perf. bottom
	/10ths Merc.					Perf. bottom
			CASING CEMEN	mm 45/	1957	2305)
	lbs		NAME OF SERV	10		
	bbls.				V	THughs
esh water 37	feet_ 190	foot	COAL WAS ENC	OUNTERED A	AT / 3 0 1	FEET_INC
t water	feet	feet				FEETINC
	UDI 6	leet	FEET_	INCHE	SF	EETINC
Hers' Names	JNT 0					
narks:						

Z-19-85

Steve Casey
DISTRICT WELL INSPECTOR

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

PLUGS USED AND DEPTH PLACED BRIDGES C CEMENT-THISENESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVER	ermit Na		itakinga Salah tangkan katan ngankaran san karan sangkan nagungkan ngangkan tan kabupat sa sa karan sa sa sa sa Salah tangkan katan ngankaran sa			We	No		
CEMENT-THERMENS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVER	OMPANY		NATION STATE OF THE NATIONAL STATES AND STAT		ADDRESS	Registration of the property of the contract o			
CEMENT-THERMENS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVER	ARM			DISTRIC	CTCO	UNTY			
Liner Location Amount Packer Location Pluca used and depth placed Ement-thickness Wood-Gize Lead Construction-Location Recover	numerous and translation of the second of th	ti talah mengangkangkan kelangkan pendan pendan pendan seben-alpan	Meter and the control of the control		est all anniverselle volt i non ribett a critism (francisco citism aprex resource control - con out of bits dom objects all littles comm	Salarian dan kapanan Ramana			
PLUSS USED AND DEPTH PLACED CEMENT-THISKNEDS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVER Depth Placed Recover Recover	illing Materia	al Used	e di Taliani in constitucio del constitucio del constitucio del constitucio del constitucio del constitucio del	TO CONTROL OF THE WARRANT STREET, WE SEE THE WARRANT STREET, WE SEE THE WARRANT STREET, WHICH SHE WARRANT STREET, WARRANT WARR					
PLUSS USED AND DEPTH PLACED CEMENT-THISENEDS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVER Drillers' Names	iner	L	eation	A mount	Packer	Location	,		
CIMENT-THIGHNEDS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVER						The second second			
Orillera' Names				7		-	G AND TU	AND TUBING	
Orillers' Names	CEMENT-TH		WOOD-GIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOST	
orillers' Names		**************************************					1		
Orillers' Names					The second expension and the first of				
Prillera' Names			The property courses were made interested in contract of the section of the secti				-		
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Prillera' Names									
Orillers' Names	water data reference in wed in the distribution of the first of the fi				A STATE SOLVE			A 1911	
Orillers' Names					T.				
rillers' Names		and the same of	and the second s	e process and a second	The same of the sa				
Orillera' Names		1			(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)				
Prillers' Names									
Prillers' Names									
rillers' Names			4- C- 11-						
Prillers' Names	1								
The second se							CONTRACTOR OF THE PARTY		
Remarks:	rillers' Name					1.1	nd the stage of tank on all the state over much white or		
Remarks:	,			and the second	and impropries and to sent process productions				
	emarks:								
I hereby certify I visited the above well on this date.			I hereby certify I	visited the a	bove well on this date.				

DISTRICT WELL INSPECTOR

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION

INSPECTOR'S WELL REPORDEPT. OF MINES

Permit No. 33 5010			Oil o	r Gas Well	
Company Letroferen Dalef Co.	CASING AND TUBING	USED IN DRILLING	LEFT IN	PAC	CKERS
Address	Size				
Parm Soff Cather	16			Kind of Pa	cker
Well No. 39	13				
District Clark County Have	81/4			Size of	
Drilling commenced 2-15-85	6%			Depth set_	
Drilling completed 2-20 - 85 Total depth 4565	5 3/16			-	
Date shot Depth of shot	3				
	Liners Used		,		m
Initial open flow/10ths Water inInch					m
Open flow after tubing /10ths Merc. in Inch					
VolumeCu. Ft.	CASING CEME	NTED	_SIZE	No. FT	Date
Rock pressure lbs. hrs.	NAME OF SER	VICE COMPA	NY		
Dilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEET	INCHES
Fresh waterfeetfeet	FEET_	INCH	ES	_FEET	INCHES
Salt water <u>feet</u> feet	FEET_	INCH	ES	FEET	INCHES
Orillers' Names					
A SHIES					
Remarks: 42 4502' 500 SI	13. Box	7	, , , , , , , , , , , , , , , , , , ,		
12					

2-20-85

Steve Cascal

DISTRICT WELL INSPECTOR

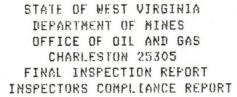
DEPARTMENT OF MINES

OIL AND SAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Personit Nonemannessessimmer entermententententententententententententente	interes Enrollegen have included a contribute destination of the contribute of the first of the contribute of the contri			We	M No	
COMPANY			ADDRESS	200 Sept. 100 Se	i Mary and the state of the sta	Section 1
PARM		DISTRI	CCTCC	UNTY		
Pilling Material Used	METALORISM And Resident Section (Section 2014)					
iner Lo	eation	Amouz	et Packer	Location	1	
PLUGS USED	PLUGS USED AND DEPTH PLACED		BRIDGES	CASING AND TUBING		
CEMENT-THIGHNESS	W000-6128	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
				1.		
			The second secon			estine.
	5 27 7	Brankan		and the district of		
	YES AWOUND	DV 100				7
			a the same and the same			
				-		
illera' Names			and the second particular distriction of the second			
marks:						
I	hereby certify I w	risited the ab-	ove well on this date.			
DATE			ove won on this date.			

DISTRICT WELL INSPECTOR





OIL & GAS DIVISION

DEPT. OF MINES

Company	: PET	ROLEUM	DEVE	CORP			
arm; (GOFF,	HATHAH,	ES	STATE	Well:	GOFF	39

Permit No. 47- 33-3018 (4-17-84) Counts:HARRISON

Lo Compliance

August 1, 1985

Rule	Description	Yes	No	
23.06	Notification prior to starting work			
25.04	Prepred before drilling to prevent waste			
25.03	High pressure drilling			
16.01	Required permits at wellsite		me 14: 1:: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1	
15.03	Adequate Fresh Water Casins			
15.02	Adequate Coal Casing			
15.01	Adequate Production Casing			
15.04	Adequate Cement Strength			
15.05	Cement Type			
23.02	Maintained Access Roads		MATERIA DE 10 MATERIA DE 10	
25.01	Necessary Equipment to Prevent Waste			
	Reclaimed Drilling Pits			
23.05	No Surface or Underground Pollution			
23.07	Requirements for Production & Gathering Pirelines			
1 01	Well Records on Site			
1.12	Well Records Filed			
7.05	Identification Markinss			
I HAVE	INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND SIGN DATE	THAT IT BE VED STEA 7-1	releasen: Le Casey 5-85	
v			d In nagandan	
with (vell record was received and reclamation requirement thanter 22; Article 4; Section 2; the above well wisse for the life of the well.			C.E
		Admini	strator	
		FE (3 H) Z 11 Z 1	BUINCUL	

