

## State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

# Well Operator's Report of Well Work

Farm nam	e: STUART, EDW	ARD	Operator	Well No.: E	D STUART	# 3
LOCATION	: Elevation: 1	1092.00 Quad	angle: B	ROWNTON		
	Latitude: 3	ELK 13350 Feet Sout 10900 Feet West	th of 39	Deg. 12Min.	30 Sec.	,
	PETROLEUM DEVELOP. O. BOX 26 BRIDGEPORT, WV		&	Used in		Cement    Fill Up
Agent:	ERIC R. STEARNS			Drilling	nu well	Cu. Ft.
Permit I	r: STEVE CASEY ssued: k Commenced:	02/27/90 03/15/90	Size     11 3/4"	17'		
Well wor Verbal F Permissi	k Completed:	03/19/90	8 5/8"	1061'	1061'	246 sks
Rotary Total De	Cable epth (feet) ater depths (ft)	- <b>R19</b> - 4450	4 1/2"	3095.65'	3095.65	305 sks
75 Salt wat	ter depths (ft)					
Is coal Coal Dep	being mined in oths (ft): 306-31	area (Y/N)? <sup>n</sup> .1; 612-616;95 <del>6-</del> 95	) 			
OPEN FLO	OW DATA					
	oducing formatio s: Initial open Final open fl Time of open atic rock Pressu	flow between i	nitial an		ts	Hours
Sec Gas	cond producing f s: Initial open Final open fl		/d F	inal open f	flow low	
Sta	atic rock Pressu		g (surfac	e pressure)	after	Hours
INTERVA:	N BACK OF THIS LS, FRACTURING CH IS A SYSTEM NG COAL ENCOUNTE	OR STIMULATING IATIC DETAILED ERED BY THE WELL For: PETROLE	PHYSIC DEOLOGIC LBORE UM DEVELO	PHENT CORP.	ETC. 2).	THE WELL
		<i></i>	4-11-9	<u> </u>		

# Stuart #3

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1ST	Speechley	5(2923-2924)	100	450	500	61
2ND	Fifth Sand	5(2959.5-2960.5) 5(2333-2334) 5(2393.5-2394.5)	100	450	750	71

# WELL LOG

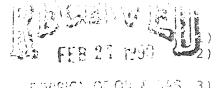
FORMATION	TOF	FEET BO	TTOM FEET	REMARKS: FRESH & SALT WATER, COAL, OIL & GAS
KB - GL		0	10	
sand, shale,	RR	10	1368	3/4" stream H2O @ 75'
Lime Little		1368	1396	Coal 306-311, 612-616
sand, shale		1396	1411	Coal 956-959
Big Lime		1411	1482	
Big Injun		1482	1596	
sand, shale Gantz		1596	1788	gas chk @ 1624' 8/10-1" H20
sand, shale		1788 1809	1809 1823	
50 ft	*	1823	1868	
sand, shale		1868	1897	
30 ft		1897	1930	
sand, shale		1930	1998	gas chk @ 1935' 8/10-1" H20
Gordon		1998	2020	9.00 0.00 0 0, 20 2
sand, shale		2020	2198	gas chk @ 2058' 8/10-1" H20
4th		2198	2268	, , , , , , , , , , , , , , , , , , , ,
sand, shale		2268	2324	gas chk @ 2306' 6/10-1" H20
5th		2324	2366	· · · · · · · · · · · · · · · · · · ·
sand, shale		2366	2393	
Elizabeth		2393	2438	gas chk @ 2429' 6/10-1" H20
sand, shale		2438	2716	
Speechley		2716	3053	gas chk @ 3053' 10/10-1" H20
sand, shale Balltown		3053	3111	
sand, shale		3111 3473	3473 3578	A 25211 10/10 18 820
Bradford		3473 3578	3730	gas chk @ 3521' 10/10-1" H20 gas chk @ 3644'12/10-1" H20
sand, shale		3730	4044	gas clik e 3644 12/10-1" H20
Riley		4044	4120	
sand, shale		4120	4279	gas chk @ 4203' 8/10-1" H20
Benson		4279	4339	gas chk @ 4327' 8/10-1" H20
sand, shale		4339	4450	gas came ( 101 / 1, 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		4450	4450	Driller TD 6/10-1" H20
	1966 67 Hdh 1990		4439	Logger TD
	0861 67 HAZO			
	11/35 adh /	<b>,</b>		
	- 3 W			
	The state of the s			

FORM WW-2B

# STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

l) Well Ope	erator:	Petr	oleum Develo	pment Corpora	ion 38200	(5) = 24
2) Operator						
4) Well typ						
	(b)	If Gas:	Production Deep	n_XX Undergr	ound Storage Shallov	<u>xx</u> /
5) Proposed	l Target 1	Formation	n(s):-	Benson		
6) Proposed	l Total De	epth:	5000	feet		
7) Approxim	nate fresi	h water s	strata dept	ths: 108, 630	, 792, 822	
			epths:			·
9) Approxim	nate coal	seam dep	oths: 218	3, 629		
					ve mine? Ye	es/ No_XX
11) Proposed	Well Wor	rk:		·		
12)		CASIN	IG AND TUBI	ING PROGRAM		
TYPE	SI		TIONS		TERVALS	CEMENT
	Size	Grade	Weight per ft.	1	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4	H-40	42	30		
Fresh Water		<del></del>				
Coal						
Intermediate	8 5/8	H-40	20	1075	1075	
Production	4 1/2	J-55	10.5	5000	5000	950 sks
Tubing						
Liners						CENTY E
	es					FEB 27 1930
Dep	ths set					<u>sic Os O.i —</u> c
491'		_		and Gas Use	22	RTWENT OF LAS
					amation Fund	I I WPCP
	WW-9	1   WW-	-2B    E	Bond	Type,	Agen

Page	1 of
Form	WW2-A
(09/8	7)
File	Copy



DEMARTMENT OF CHER NAS 3)

Date:	February 2	3, 1990				
Operator's well number						
Edward Stuart #3						
API Wel	l No: 47 -	- 033 -	3699			
	State -	County -	Permit			

### STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

	NOTICE AND APPLICATION F	OK A WELL WORK PERMIT
4)	Surface Owner(s) to be served:	5) (a) Coal Operator:
	(a) Name Edward Stuart	Name
	Address 207 Davisson Street	Address
	Bridgeport, WV 26330	Mar Coo
	(b) Name	(b) Coal Owner(s) with Declaration
	Address	Name Same as Surface
		Address
	(c) Name	Address
	Address	Name
		Address
		11441 655
6)	Inspector <u>Stephen Casey</u> #2	(c) Coal Lessee with Declaration
• ,	Address Rt. 2, Box 232-D	
	Jane Lew, WV 26378	NameAddress
	Telephone (304) - 745-4888	Address
	743-4000	
	TO THE PERSON(S) NAMED ABO	<u> </u>
	TO THE PERSONNEL RAMED ADD	OVE TAKE NOTICE THAT.
	Included is the lease or leases or	other centinging centralt and
contr	acts by which I hold the right to	other continuing contract or
XX	Included is the information where	extract off and gas <u>or</u>
Soat :	Included is the information require	ed by Chapter 22B, Article 1,
sect.	on 8(d) of the Code of West Virgin	ia (see page 2)
- :	I certify that as required under Ch	hapter 22B of the West Virginia Code
I hav	ve served copies of this notice and	application, a location plat, and
accor	mpanying documents pages 1 through	on the above named parties, by:
	Personal Service (Affidavit at	ttached)
	Certified Mail (Postmarked pos	stal receipt attached)
	Publication (Notice of Publication)	ation attached)
	I have read and understand Chapter	22B and 38 CSR 11-18, and I agree
to th	ne terms and conditions of any perm	it issued under this application.
	I certify under penalty of law that	t I have personally examined and am
famil	iar with the information submitted	on this application form and all
attac	hments, and that based on my inqui	ry of those individuals immediately
respo	onsible for obtaining the information	on. I believe that the information
is tr	we, accurate, and complete.	on, I believe that the initialization
	I am aware that there are signification	ant penalties for submitting false
infor	mation including the possibility	tine and improcement
	mation including the possibility of well Operator	Petroleum Development Corporation
	NOTARY PUBLIC · N	R DIA
B &	ETATE OF WEST VIRGINIA )	Geologist
	JOSEPH R. VELTRI Its:	P.O. Box 26
	The state of the s	
M work to	bly Commission Expires April 13, 1965	
Cuha	Telephone	304-842-6256
Subsc	ribed and sworn before me this 26-	day of Stelman, 19 90
	ha a l K ( ) IT.	
My co	ommission expires and 13	Notary Public
	The contract of the contract o	