



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

	METT C	bergror, a K	sport or a	AGIT MOLK		
Farm name:	DUNN, ANN ROSS	}	Operator	Well No.: I	OUNN 1	
LOCATION:	Elevation: 129	0.00 Quad	rangle: BI	ROWNTON	•	
	District: FLE Latitude: 310 Longitude 107	0 Feet Sout	th of 39	ounty: TAYLO Deg. 15Min. Deg. 7 Min	. O Sec.	
	ROLEUM DEVELOPM	ENT COR -				
•	O. BOX 26		Casing	Used in		Cement
BRI	DGEPORT, WV		Tubing	Drilling		Fill Up Cu. Ft.
Agent: STE	VEN R. WILLIAMS			DIIIIING		
	,		Size]	i
Inspector:	DONALD ELLIS		•			į
Permit Issu	ed: 12/ commenced: 01/	/14/88	11 3/4"	126'	126'	90 sks
Well work C		30/89		 1	 I	
Verbal Plug		30/89	8 5/8"	1061'	1061'	 275 sks
Permission	granted on:					
Rotary_xx	CableF	lig		1	<u>[</u>	!
Fresh water	(feet) 4750 depths (ft)		4 1/2"	4412'	4412'	175 sks
380	- depens (20)		i	l lan	I SCIETT	MITHIA
Salt water	depths (ft)		ļ	<u>i</u>		VE
Is coal bei	ng mined in are	a (Y/N)?no		1	FEB 22	1989
Coal Depths	(ft): 97-102	, a , a , , <u>na</u>	İ	i		
_				[IVISION OF	TE & GAS-
OPEN FLOW D	PATA			DE	EPARTMENT C	F ENERGY
5	.loo formation	Riley		3 0 0	3 / 6 4-	\
	ing formation initial open flo		78 BITE TO	Pay zone on itial open	flow	Bb1/d
	inal open flow			inal open f		Bb1/c
1	ime of open flo	ow between i	nitial and	d final tes	ts	Hours
Statio	rock Pressure	psi	g (surfac	e pressure)	after 72	Hours
Sacand	l producing form	eation		Pay zone	denth (ft	`
	initial open flo		/d 011: I	nitial open	flow	/Bb1/c
	inal open flow	MCF	/d F	inal open f	low	Bbl/c
	Time of open flo					Hours
Statio	rock Pressure	ps1	g (suriac	e pressure)	arter	Hours
INTERVALS, LOG WHICH	ACK OF THIS FOR FRACTURING OR IS A SYSTEMAT COAL ENCOUNTERED	STIMULATING IC DETAILED/	PHYSIC. GEOLOGIC	G: 1). DET AL CHANGE, AL RECORD	ETC. 2).	THE WELI
		/ PT	////			1444
	- 1	For: PETROLE	UM DEVELO	PMENT CORP.	FEB 3 4	may
		Ву:	Steven R. W	illiams, Pres	ident	

Date:

Ann Dunn #1

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1ST	Riley	12(4227-4240)	0	450	500	648



WELL LOG

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

FORMATION	TOP FEET	BOTTOM FEET	REMARKS: FRESH & SALT WATER, COAL, OIL & GAS
KB - GL	0	10	
sand, shale, RR	10	1630	1/2" stream H2O @ 380'
Big Lime	1630	1730	,
Big Injun	1730	1795	
sand, shale	1795	2065	gas chk @ 1816' No Show
Gantz	2065	2085	J. 2010 1 2020 110 011011
50 ft	2085	2130	
sand, shale	2130	2140	
30 ft	2140	2200	
sand, shale	2200	2250	gas chk @ 2223' No Show
Gordon	2250	2270	Jan Tana C 2000 and Caron
sand, shale	2270	2380	
3rd	2380	2420	
sand, shale	2420	2510	gas chk @ 2473' No Show
4th	2510	2560	3 3
sand, shale	2560	2580	
5th	2580	2635	
sand, shale	2635	2650	
Baryard	2650	2665	
sand, shale	2665	3055	gas chk @ 3127' No Show
Speechley	3055	3345	gas chk @ 2908' No Show
sand, shale	3345	3460	gas chk @ 3407' No Show
Balltown	3460	3690	•
sand, shale	3690	3762	gas chk @ 3732' No Show
Bradford	3762	3864	3
sand, shale	3864	4174	gas chk @ 3908' No Show
Riley	4174	4248	• • • • • • • • • • • • • • • • • • • •
sand, shale	4248	4542	gas chk @ 4378' 6/10-1" H20
Benson	4542	4598	gas chk @ 4565' 6/10-1" H20
sand, shale	4598	4750	gas chk @ 4565' 6/10-1" H20
	4750	4750	Driller TD 4/10-1" H2O DC 2/10-1" H2O
		4748	Logger TD

MAR 2 4 1989

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

Well Operator's Report of Well Work

Farm name: DUNN, ANN ROSS Operator Well No.: DUNN 1 LOCATION: Elevation: 1290.00 Quadrangle: BROWNTON District: FLEMINGTON County: TAYLOR 3100 Feet South of 39 Deg. 15Min. 0 Sec. Latitude: Longitude 1075 Feet West of 80 Deg. 7 Min. 30 Sec. Company: PETROLEUM DEVELOPMENT COR P. O. BOX 26 Casing | Used in Left Cement |Fill Up| BRIDGEPORT, WV Tubing | Drilling | in Well|Cu. Ft.| Agent: STEVEN R. WILLIAMS Size Inspector: DONALD ELLIS 12/14/88 126' | 90 sks Permit Issued: 11 3/4" 126' 01/24/89 Well work Commenced: Well work Completed: 01/30/89 8 5/8" 1061' Verbal Plugging 1061' Permission granted on: Rotary xx Cable Rig
Total Depth (feet) 4750' 4 1/2" 4412' 4412 175 sks Fresh water depths (ft) Salt water depths (ft) Is coal being mined in area (Y/N)?no Coal Depths (ft): 97-102 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY OPEN FLOW DATA Producing formation Riley Pay zone depth (ft) 4227-40 Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/c Final open flow 267 MCF/d Final open flow Bbl/c Time of open flow between initial and final tests Hours c rock Pressure 400 psig (surface pressure) after 72 Hours Static rock Pressure Pay zone depth (ft) Second producing formation Gas: Initial open flow MCF/d Oil: Initial open flow Bb1/ Bb1/ Final open flow MCF/d Final open flow Time of open flow between initial and final tests_ Hour psig (surface pressure) after _Hour Static rock Pressure NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATE INTERVALS, FRACTURING OR STIMULATING PHYSICAL CHANGE, ETC. 2). THE WELLOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE

For: PETROLEUM DEVELOPMENT CORP.

Date: February 16, 1989

Steven R. Williams, President

Ann Dunn #1

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1ST	Riley	12(4227-4240)	o	450	500	648



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30 ft		2140	2200	
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		4750	4750	Driller TD 4/10-1" H2O
			4748	DC 2/10-1" H2O Logger TD

PLUGGED BACK BENSON TO 4422'. DONE UNDER THE ORIGINAL PERMIT AS A CONTINUATION OF THE DRILLING PROCESS.

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

			WELL WO	RK PERMIT	APPLICATION	<u> </u>	
1) %	Well Ope	rator:	Petroleu	m Developm	ent Corpora	tion 3820	1, 4, 2ale
2) 0	perator	's Well	Number: D	unn #1		/ 3) Ele	/ evation: <u>1290'</u>
4) · W	Well typ	e: (a)	0il <u>-</u> /	or Gas	<u>x</u> /		
		(b)	If Gas:	Production Deep	n/ Undergr	ound Storage Shallov	<u> </u>
5) P	roposed	Target	Formation	(s): Benso	n 435		21
6) P	roposed	Total D	epth: 500	0'	feet		
7) A	Approxim	ate fres	h water s	trata dept	hs: 20, 221	241, 578, 8	300
8) A	Approxim	ate.salt	water de	pths:	N/A /4	75'-153	0' 1780'
9) A	Approxim	ate coal	seam dep	ths: X 797	850.890		
10) [oes lan	d contai	n coal se	ams tribut	ary to acti	ve mine? Ye	es/ No_x_/
		Well Wo	/)		timulate		, ——
12)	•	ţ			•	,	
					NG PROGRAM	;	
TYPE		S	<u>PECIFICAT</u>	IONS	FOOTAGE IN	TERVALS	CEMENT
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conduc	tor	11 3/4	H-40	42	30		
Fresh	Water						38CSR18-11.3
Coal							3
Interm	mediate	8 5/8	J - 55	201b	1200	1200	Neat C.T.S.
Produc	tion	4 1/2	J - 55	10.51b	5000	5000 €	450 SKS
Tubing							-38C5R18-111
Liners			•			·	15000 E 163
PACKERS: Kind							
14998) Siz	ths set				33 B	EC 1 3 1988
For Divison of Oil and Gas Use Only DIVISION OF OIL & GAS DEPARTMENT DEFENERGY Fee(s) paid: Well Work Permit III Reclamation Fund WPCP							
E C	Plat J	ww-9	ww-	2B / F	Sond 500	Type)	_ Hi Agent

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File Copy



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

1)	Date:	November	16,	1988	
2)	Operator'	s well	num	ber	_

3) API Well No: 47 - 091 - 0582 State - County - Permit

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

	NOTICE AND APPLICATION F	FOR A WELL WORK PERMIT
4)	Surface Owner(s) to be served: (a) Name Ann Ross Dunn	5) (a) Coal Operator:
	Address 2305 Hoffman Drive	NameAddress
	Cuvohoga Falls OH 44223	
	(b) Name	(b) Coal Owner(s) with Declaration
	Address	Name <u>Tygart East</u> . Inc.
		Address 724 James Street
	(c) Name	Bridgeport, WV 26330
	Address	Name
	,	Address
	•	
6)	Inspector <u>Donald Ellis</u>	(c) Coal Lessee with Declaration
	Address 2604 Crab Apple Lane	Name
	Fairmont, WV 26554	Address
	Telephone (304)534-5596	
	TO THE PERSON(S) NAMED AB	OVE TAKE NOTICE THAT
	: CO LINGUALD NAMED AD	OVE TAKE NUTICE THAT:
Secti I hav	panying documents pages 1 through Personal Service (Affidavit a XX Certified Mail (Postmarked po Publication (Notice of Public	ed by Chapter 22B, Article 1, ia (see page 2) Chapter 22B of the West Virginia Code application, a location plat, and 5 on the above named parties, by: ttached) estal receipt attached)
famil attac respo is tr infor	I certify under penalty of law that iar with the information submitted thments, and that based on my inquinsible for obtaining the informative, accurate, and complete. I am aware that there are significant and including the possibility well operator.	on this application form and all ry of those individuals immediately on, I believe that the information
	OFFICIAL SEAL BY:	
16.2	STATE OF WEST VIBOURING	
	VICUSINIS DI MENUES	Box 26
	Grave Wax 377	eport, WV 26330
ا معنف		04-842-6256
~3 636 0	and sworp defore me this 17th	th day of <u>November</u> , 19 <u>88</u>
	Juania D 11/c	Notary Public
му со	mmission expires July 1, 1997	
	\bigcup	