

06-Jun-95 API # 47-1-02703

WV Division of Environmental Protection State of West Virginia Division of Environmental Protection OCT 12 1995 Section of Oil and Gas

Permitting Well Operator's Report of Well Work Office of Oil & Gas

NORRIS, DOROTHY ETAL. Farm name:

Operator Well No.: D. Norris #2

Elevation: 1,459.00 Quadrangle: PHILIPPI LOCATION:

open mine 277-283

County: BARBOUR District: PHILIPPI

13550 Feet South of 39 Deg. 12Min. 30 Sec. 10850 Feet West of 80 Deg. Min. Sec Latitude: Sec. Longitude

Company: PETROLEUM DEVELOPMENT COR 103 E. MAIN ST. - P.O. BOX 26 | Casing | Used in BRIDGEPORT, WV 26330-0026 | & | Left |Cement |Fill Up| Drilling | in Well|Cu. Ft. Tubing | Agent: ERIC STEARNS Size Inspector: PHILLIP TRACY 06/06/95 Permit Issued: 16" 32 ' 32' Well work Commenced: 09/19/95 Well work Completed: -09/24/95Verbal Plugging 185 sks 11 3/4" <u>332 '</u> 332' Permission granted on: Rotary Cable Total Depth (feet) 205 sks_ <u>8 5/8''</u> 835' 8351 Fresh water depths (ft) 267; 420; 1485 4106' |400 sks Salt water depths (ft) 4 1/2" 4106' n/a
Is coal being mined in area (Y/N)?
Coal Depths (ft): 233-236; 393-396; 695-698

OPEN FLOW DATA

Producing formation Benson Gas: Initial open flow 15 MCF/d G	Pay zone depth (ft)3914-3916
Gas: Initial open flow 15 MCF/d (Dil: Initial open flow 0 Bbl/d
Final open flow 411 MCF/d	Final open flow 0 BDI/U
Time of open flow between init:	ial and final tests 4 Hours
Static rock Pressure 950 psig (surface pressure) afterHours
Second producing formation	Pay zone depth (ft)
	Fay Zone depen (10)
	Oil: Initial open flow Bbl/d
Gas: Initial open flow MCF/d	Oil: Initial open flow Bbl/d
	Oil: Initial open flowBbl/d Final open flowBbl/d

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: PETROLEUM DEVELOPMENT CORP.

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Eric R. Stearns

Date: October 9, 1995

D. Norris #2

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS		N2 (MCF)
lst	Benson	16 (3914' - 3916')	50	400	500	60

WELL LOG

			REMARKS: FRESH & SALT
FORMATION	TOP FEET P	SOTTOM FEET	WATER, COAL, OIL & GAS
	500 S31X F	NS EU	•
KB - GL	0	10	1/2" stream water @267'
sand, shale, RR	10	1066	Coal 233'- 236'
Little Lime	1066	1074	Coal 393'- 396'
sand, shale	1074	1114	open mine @277'-283'
Big Lime	1114	1224	1/2" stream water @420'
sand, shale	1224	1226	Coal 695'- 698'
Keener	1226	1250	
sand, shale	1250	1252	gas chk @ 876' no show
Big Injun	1252	1318	1 1/2" stream water @1485'
sand, shale	1318	1463	gas chk @ 1218' no show
Gantz	1463	1500	
sand, shale	1500	1510	
50 ft	1510	1552	
sand, shale	1552	1555	
30 ft	1555	1585	gas chk @ 1624' no show
sand, shale	1585	1875	gas chk @ 1686' no show
4th	1875	2042	gas chk @ 2126' no show
sand, shale	2042	2047	
5th	2047	2079	
sand, shale	2079	2085	gas chk @ 2252' no show
Bayard	2085	2100	gas chk @ 2470' no show
sand, shale	2100	2142	gas chk @ 2595' no show
Elizabeth	2142	2193	gas chk @ 3190' no show
sand, shale	2193	2406	
Speechly	2406	2802	gas chk @ 3596' no show
sand, shale	2802	2838	gas chk @ 3937' no show
Balltown	2838	3193	gas chk @ 4093' no show
sand, shale	3193	3233	_
Bradford	3233	3360	
sand, shale	3360	3595	
Riley	3595	3816	
sand, shale	3816	3908 _	
Benson	3908	3952	gas chk @ collars 2/10 thru 1" w/h2o
	3952	4280	Drillers TD
		4190	Logger TD

RECEIVED W Division of Environmental Protection	DEPARTM	ENT OF E	MERGY, DIV	VIRGINIA ISION OF OI APPLICATION	L AND GAS	1eof oued 06/06/95 pued 06/06/97
MAY 25 1995	ator:	Petroleum	しらり Developmen	t Corporation		545
Permitting Office of Oil & Ga	s Well N	umber:	D. Norris He	eirs #2	8	vation: 1,469'
) Well type	: (a) 0	il_/	or Ças	$\frac{xx}{}$		
			Deep	/	ound Storage Shallov	
) Proposed	Target F	ormation	(s):	Lk Sands 436		
6) Proposed	Total De	pth:5,5	500'	feet		
7) Approxima	te fresh	water s	trata dept	:hs: <u>15': 1</u>	55'	
8) Approxima	te salt	water de	pths:	Gantz @ 1585		
9) Approxima	ate coal	seam dep	ths: 50'-5	4'; 360' - 366		
10) Does land	d contain	coal se	ams tribut	ary to acti	ve mine? Ye	es/ No_XX_/
11) Proposed	Well Wor	k: Dril	ll & Stimula	te New Well		
12)		CASIN	G AND TUB	ING PROGRAM		
TYPE	sp			FOOTAGE IN	TERVALS	CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11/34"	H→40	42#	30'		
Fresh Water						
Coal				1800	800 US	38CSR18-11.3 38CSR18-11.2.2
Intermediate	8 5/8"	H-40	20/23#	800'	800'	38CSR18-11.1
Production	4 1/2"	J-55	10/5#	5,500'	5,500,	450 sks.
Tubing				*		
Liners						
	d es ths set					
Fee(s) p	/_	ν	Work Permi	and Gas Use t Bond	Only to Fur	nd WPCP Agent

Page	1 of _	
Form	WW2-A	
(09/8	37)	
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WV Divi Environments	sion of

MAY 25 1995

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Date: Map 12, 1995
Operator's well number
D. Norris Hrs. #2

API Well No: 47 - 001 - 2703 State - County - Permit

Permitting
Office of Old A CAS OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

	mer(s) to be served:	5) (a) Coal Operator:
Address	Dorothy Norris	Name
	Baughman Apt. #514	Address
	212 Chestnut St. Philip	
(b) Name _	Trent A. Norris	
	39 Larchwood Drive	Name
	Paynesville, OH 44077	Address
(c) Name _	Deloris M. Mayle	
Address	Rt. 3. Box 72	Name
	Bruceton Mills, WV 26	525 Address
Inspector	Phillip Tracy	(c) Coal Lessee with Declaration
Address	Rt. 2, Box 37-a	Name
	Montrose, WV 26283	Address
Telephone	(304) - 636-8798	
5	TO THE PERSON(S) NAMED	ABOVE TAKE NOTICE THAT:
78.		
Included :	is the lease or leases	or other continuing contract or
itracts by wi	nich I hold the right	to extract oil and gas <u>OR</u>
<pre>Included :</pre>	is the information req	uired by Chapter 22B, Article 1,
ction 8(d) of	f the Code of West Vir	ginia (see page 2)
I certify	that as required unde	r Chapter 22B of the West Virginia Cod
have served (copies of this notice	and application, a location plat, and
companying de	ocuments pages 1 throu	igh on the above named parties,by:
Pers	onal Service (Affidavi	t attached)
Cert	ified Mail (Postmarked	postal receipt attached)
Publ	ication (Notice of Pub	olication attached)
I have re	ad and understand Chap	oter 22B and 38 CSR 11-18, and I agree
the terms at	nd conditions of any p	permit issued under this application.
The Colino G	under nearlier of law	
I certify	under bewarry or raw	that I have personally examined and an
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