



State of West Virginia Division of Environmental Protection Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: GLASPELL, ARBY

Operator Well No.: ROBERTS #2

LOCATION: Elevation: 1,197.00 Quadrangle: SMITHBURG

District: MCCLELLAN

County: DODDRIDGE

Used in

Latitude: 780 Feet South of 39 Deg. 22Min. 30 Sec.

Left

Longitude 2300 Feet West of 80 Deg. 40 Min.

Casing |

Company: PETROLEUM DEVELOPMENT COR

P. O. BOX 26

BRIDGEPORT, WV 26330-0026

Agent: ERIC R. STEARNS

Inspector: MIKE UNDERWOOD

Permit Issued: 11/18/93

Well work Commenced: 11/26/93

Well work Completed:

12/02/93

Verbal Plugging

Permission granted on:

Rotary × Cable Total Depth (feet)

Fresh water depths (ft)

Salt water depths (ft)

Is coal being mined in area (Y/N)? N Coal Depths (ft): n/a

|Fill Up| Tubing | Drilling | in Well|Cu. Ft.| Size 16" 24' 11 3/4" 176' 8 5/8" 1834 1834' 377 sks 4 1/2" 5398 5398' 501 sks

OPEN FLOW DATA

Producing formation	Benson	Pay zone depth (f	+ \5286-5288
Gas: Initial open flow	21 MCF/d Oi	1: Initial open flow	n Bbl/d
Final open flow	290 MCF/d	Final open flow	
Time of open flow	between initia	l and final tests	O Bbl/d
Static rock Pressure	1700 psig (su	rface pressure) after	Hours
	P319 (Su	riace pressure, arter	72 Hours
Second producing forma	tion Gordon	Pay zone depth (fi	L \ 20/2 20/0
Gas: Initial open flow	MCE (d. Oi	1: Initial open flow	E) 2943-2960
Final onen flore	ncr/d OI	T: IUICIAL Oben LIOM	Bbl/d
rinar open riowco-	mingled MCF/d	Final open flow	Bbl/d
TIME OF OBED ITOM	Detween initia	and final tacto	Hours
Static rock Pressure	300 psig (su	rface pressure) after	Hours
		,	110 413

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.

Eric R. Stearns Date: January 10, 1994

OYAL ROBERTS #2

TAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
st	Benson	12 (5286' - 5288')	50	500	500	60.5
nd	Gordon	16 (2943' - 2960')	100	600	500	70

WELL LOG

* •			REMARKS: FRESH & SALT
ORMATION	TOP FEET BOT	TOM FEET	WATER, COAL, OIL & GAS
(B - GL	. 0	10	
and, shale, RR	10	1953	1/2" water @ 833'
laxton	1953	2040	
and, shale	2040	2134	gas chk @ 2108' no show
Big Lime	2134	2281	
and, shale	2281	2285	
Big Injun	2285	2378	gas chk @ 2296' no show
and, shale	2378	2528	gas chk @ 2452' no show
Veir	2528	2612	
and, shale	2612	2725	gas chk @ 2671' no show
Berea	2725	2768	
and, shale	2768	.2918	gas chk @ 2861' no show
Gordon	2918	2983	
sand, shale	2983	3236	gas chk @ 3110' no show
th	3236	3303	
and, shale	3303	3595	
Jarren	3595	3772	gas chk @ 3610′ 4/10 thru 1° w/water
sand, shale	3772	3784	
peechley	3784	4154	gas chk @ 3829' 4/10 thru 1" w/water
sand, shale	4154	4175	
Balltown	4175	4532	
sand, shale	4532	4575	gas chk @ 5027' 4/10 thru 1° w/water
Bradford	4575	4700	gas chk @ 5247' 4/10 thru 1" w/water
sand, shale	4700	4805	gas chk @ 5342' 4/10 thru 1" w/water
Riley	4805	5220	gas chk @ 5373' 12/10 thru 1" w/water
sand, shale	5220	5287	gas chk @ TD 4/10 thru l" w/water
Benson	5287	5326	gas chk @ Collars 4/10 thru 1" w/water
sand, shale	5326	5466	Driller TD
		5455	Logger TD

FORM WW-2B

18403

O17 - 4068 dosued 11/18/93 Expured 11/18/95 AND GAS 11/18/95

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL

			MEPP MO		<u>APPLICATION</u>	<u>.</u>		
1) W	'ell Ope	rator:	Petroleur	687 Developme	nt Corporat	ion 333	(5) 611	
2) 0	perator	's Well !	Number:	Roberts #2	***************************************	3) Ele	vation: _1197	
				or Gas				
		(b)	If Gas:	Production Deep	N <u>XX</u> / Undergr	ound Storage Shallow		
) P	roposed	Target I	Formation	(s): <u>Benso</u>	on 435			
) P	roposed	Total De	epth: <u>550</u>) () ?	feet		0	
). A	pproxim	ate fres	n water s	trata dept	:hs: <u>36.230.</u>	376,450,685,1		
\	Λ							
9) A	pproxim	ate coal	seam dep	ths:	None repo	rted		
10) D	oes lan	d contai:	n coal se	ams.,tribut	ary to act	ive mine? Ye	s/ No_x_/	
11) P	roposed	Well Wo:	rk: Dril	l and stim	ulate new w	ell		
12)								
			CASIN	G AND TUBI	NG PROGRAM			
TYPE	1	SI	PECIFICAT	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	30/150	12-/150	-/surface	
Fresh	Water			and the second s	c.15. NERIB	11.3 -/150	0.K	
Coal				C	39651	181122	mu	
Interm	ediate	8 5/8	H-40	20/23	1375/1865		surface	
Produc	tion	4 1/2	J-55	10.5	5500	5500	400sks	
Tubing	- — — — — — — — — — — — — — — — — — — —				241			
Liners			·	i 	2865K1811	1.1		
PACKER	<u>.s</u> : Kin			**************************************	<i>O</i>			
W.	Siz Dep	es ths set						
34		Ę,	op Diviso	n of Oil a	and Gas Use	Only		
	ر (ee(s)	ajd:	El yezzi w	ork Parmit	Rec	lamation Fynd	WPCP WPCP	
1	lat (# WW-9		28	Bond	1) Glanket	Agent	
	A	•	V	- y .		(Type) /		

Page 1 of	- Permit
(10-91) Roberts #2 3) API Well No: 47 - 017 State - County STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND (NOTICE AND APPLICATION FOR A WELL WORK PERMIT 4) Surface Owner(s) to be served: 5) (a) Coal Operator: (a) Name Arby Glaspell Name	- Permit
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(a) Name Arby Glaspell Name	
(a) Name Arby Glaspell Name	
Address Colom DED	
ALTO COSS DATEM RED. Addross	
Address Salem RFD Address Address Ashley, WV 26426	
(b) Name (b) Coal Owner(s) with De	aclaration
Address Name No delcaration	CIGIACION
Address	
(C) Name	
Address Name	
Address	
6) Inspector Mike Underwood (c) Coal Lessee with Dec	Laration
Address Rt. 2, Box 135 Name	
Salem, WV 26426 AUGIESS	
Telephone (304)-	
TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:	
To Ith I most (b) Well hove Ind Notice IIMI.	
Included is the lease or leases or other continuing contract	· or
Contracts by which I hold the right to extract oil and gas OR	. 01
XXX Included is the information required by Chapter 22B, Article	<u>1.</u>
Section 8(d) of the Code of West Virginia (see page 2)	,
I certify that as required under Chapter 22B of the West Vir	ginia Code
I have served copies of this notice and application, a location r	olat, and
accompanying documents pages 1 through on the above named par	ties, by:
Personal Service (Affidavit attached)	
Certified Mail (Postmarked postal receipt attached)	
Publication (Notice of Publication attached)	
T have read and understand Chapter 22D and 20 ccp 11 10	
I have read and understand Chapter 22B and 38 CSR 11-18, and the terms and conditions of any permit issued under this appli	l l agree
I certify under penalty of law that I have personally examin	.Catton.
familiar with the information submitted on this application form	and all
attachments, and that based on my inquiry of those individuals in	mediately
responsible for obtaining the information, I believe that the inf	ormation
s true, accurate, and complete.	
orac, accurace, and comprete.	
I am aware that there are significant penalties for submitti	ng false
I am aware that there are significant penalties for submittinformation, including the possibility of fine and imprisonment.	
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I am aware that there are significant penalties for submittinformation, including the possibility of fine and imprisonment. Well Operator PETROLEUM DEVELOPMENT CORPOR By: Its: Geologist Address P O Box 26	
I am aware that there are significant penalties for submittinformation, including the possibility of fine and imprisonment. Well Operator PETROLEUM DEVELOPMENT CORPOR By: Its: Geologist Address P O Box 26 Bridgeport, WV 26330	
I am aware that there are significant penalties for submittinformation, including the possibility of fine and imprisonment. Well Operator PETROLEUM DEVELOPMENT CORPOR By: Its: Geologist Address P O Box 26 Bridgeport, WV 26330 Telephone 304-842-6256	RATION
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I am aware that there are significant penalties for submittinformation, including the possibility of fine and imprisonment. Well Operator By: Its: Geologist Address P O Box 26 Bridgeport, WV 26330 Telephone 304-842-6256 Subscribed and sworn before me this 5 day of 100000000000000000000000000000000000	RATION

STATE OF WEST VIRGINIA
GARY W. FRIDLEY
PETROLEUM DEVELOPMENT CORP.
P. O. BOX 26
BRIDGEPORT, WV 26385
My Comerission Expires July 7, 2003