

V -:V-35 -:::V-8-81)

Static rock pressure\_





Date	July	12,	1984	
Operator	's			<del></del>
Well No.	P	ettv	#1	

State of Mest Wirginia

OIL & GAS DIVISION Department of Mines DEPT. OF MINES Dil und Gas Division

Farm Marvin A. Petty ET UX
API No. 47 - 107 - 1295

WELL OPERATUR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHART

AUG 1 4 1984

hours shut in

(Continue on reverse si

SELL TYPE: $O(1 \times X)$ Gas $(1 \times X)$ Liquid Injection (If "Gas," Production $(1 \times X)$ Undergroup (If "Gas," Production $(1 \times X)$ ) Undergroup (If "Gas," Pr	und Storag	te Disposa ge/ Dee	2p <b>D</b> 5.	IL & GAS DIV
(COMION: Elevation: 915' Watershed	Bull Cree	ek		
District: Union County Woo	١d	Quadrangl	e Willow	Island
CMPANY Berea 011 & Gas Corp.				
DDPESS P. O. Box 299, Bridgeport, WV 26330		<del>1</del>	T	10
ESIGNIED ACENT Thomas E. Riley, P.E.	Casing	Used in	Left	Cement fill up
DDPESS P. O. Box 299, Bridgeport, WV 26330	Tubing	Drilling	in Well	Cu. ft.
SURFACE OWNER Marvin A Petty	Size 20-16			1.00 m
DDPESSRT #1, Box 52, Waverly, WV 26184	Cond.	ļ		
UNEFAL RIGHTS OWNER arvin A. Petty	13-10"	<del> </del>		
DDPESSRI.#1, Box 52, Waverly, WV 26184	9 5/8			
PIL AND CAS INSPECTOR FOR THIS WORK Samuel	8 5/8	319'	267'	130 sx.
V. Hershman ADDRESSP.O.Box 66, Smithville, WV	7			
PEPMIT ISSUED 11-28-83 26178	5 1/2		ļ ————	
PRIMING COMMENCED 6-22-84	4 1/2	2429'	2356.6'	165 sx.
ORILLING COMPLETED 6-26-84				
F APPLICABLE: PLUGGING OF DRY HOLE ON DOMINIOUS PROGRESSION FROM DRILLING OR WELLING, VERBAL PERMISSION OBTAINED ON	23/8" Liners used		2264'	
EDINGICAL TARGET FORMATION Gordon				
Depth of completed well 2429 feet R		Dept		0feet
Water strata depth: Fresh N/A feet;	Salt N/A	/ Cable	. 10012	
Coal seam depths: N/A	Is coal I	being mine	ed in the	area? No
PET FLOW DATA				
Producing formation Berea-Coffee Sha	la Dess		Well Tre	g
Gas: Initial open flow none works	0.11			
Pate 7/11/84 Final open flow 30 Mcf/d Time of open flow between initial	Cili Inn	ciai open	I I OW no	ne Bbl/d
Time of open flow between initi	al and fir	ar open ri	.OWO	B01/d
Static rock pressure 350 psig(surface	mpasurem	ontl after	2 no	urs
(If applicable due to multiple completion-		are, arei	nou	rs snut in
			h	
	Pav	ZODA HANY		7 A A -
Second producing formation  Gas: Initial open flowMcf/d	Pay Oil: Ini	zone dept tial open	flow	feet

\_psig(surface measurement) after\_

FORM IV-35 1 APEVERSE)

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

7/5/84 Coffee Shale

2289' - 2291' (3holes) 2296' - 2298 (2 "

7/6/84 Coffee Shale/Berea

7/5/84 Berea

2301' - 2306' (10 holes) Formation broke @ 2950'. ISIP 1250#, 5 min 910#. Used 979 BW, 500 gal 15% FE acid, 35,000 20/40 sand, 10,000# 10/20 sand, 110,000 SCF Nitrogen. Avg. pump rate 34.8 BPM @ 2325#.

MAIT TOG

		1	· ·
			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all free
BROW BROWN BROWN			and salt water, coal, oil and g
FROM DRILLERS LOG		<b>}</b>	
Surface	0	40	
Red & Gray	40	104	
Sand	104	109	
Shale	109	162	·
Red Rock	162	168	
Shale	168	201	
Red Rock	201	249	·
Sand	249	254	
Red Rock	254	258	
Sand	258	289	
Red Rock	289	294	
Shale	294	298	
Red Rock	298	326	,
Shale	326	385	
Red Rock	385	390	·
Shale	390	425	
Red Rock	425		
Shale	435	435	•
Red Rock	450	450	
Sand	735	735	٥
Shale	740	740	
FROM CDL	/40	890	
Shale	890	005	
Sand & Shale	905	905	
Sand		930	
Silt & Shale	930	955	
Sand	955	1100	
Shale	1100	1126	
Sand	1126	1160	
Sand & Shale	1160	1190	
Sand	1190	1228	
Sand & Sahle	1228	1256	
Shale	1256	1 36 2	•
Sand	1362	1 3 9 0	•
Sand & Shale	1390	1500	
Sandy Shale	1500	1610	
Sand	1610	1690	
Shale	1690	1740	•
Suate	1740	1766	(Continued on page two)

(Attach separate sheets as necessary)

Berea Oil & Gas Corp.
Well Operator
somas & Kiley
By: Thomas E. Riley, P.E. Manager of Engineering
Date: July 12, 1984

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

## **FILE COPY**



1) Date:	Nove	ember	2	, 19	83
2) Operator's Well No.	Pet	ty #1		,	
3) API Well No.	47 -	107	-	1295	
	State	Co	unt	7	Permit

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

## **APPLICATION FOR A WELL WORK PERMIT**

						I DICITIO	IV TOK IX WEI	DE WORK I ERWII	≛ :	
4)	WELL TY	PE: A O								
B (If "Gas", Production X				Underground	storage	/ Deep	_/ Shallow _X/)			
5)	LOCATIO		vation: _		915'	···		Bull Cre		
•		Dis	strict:		nion		County:	Wood	Quadrangle:	Nillon Island
6)	WELL OP	ERATOR_	Berea	0il 8	Gas	Corp.	<del></del>	7) DESIGNATE	DAGENT Mark S	chumacher
	Address		P.O.	80x 56	9			Address	P.O. B	
			Dover	OH 4	4622			•	Bridge	port, WV 26330
-,		S INSPEC			4 2	<b></b>		9) DRILLING C	CONTRACTOR:	
						sman.				
	Address					ille, WV 7	<del>26</del> 178	Address	: 18	WEST BROKES
W.	PROPOSE							/ Redrill	/ Stimulate	The same of the sa
<b>,</b>	I KOI OSL	D WLLL	WORK.					rate new formation	1 2	رائين ا
				-						NOV 1 6 1983
n'	GEOLOGI	CAL TAR	GET FOR			Gordon	(0) (100)			OH & DAS DIVISION
•		ated depth of				25.00	feet			
						N/A	feet: salt	,	feet. D	EPT. of MINES
		ximate coa				AT / A				/ NoX
		AND TUBI	-							
	ING OR	1.		IFICATION:	<b>S</b>	11	FOOTAGE 1	INTERVALS	CEMENT FILL-UP	PACKERS
	ING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in weil	OR SACKS	THOMES OF THE PROPERTY OF THE
ondu	ntos		- Giase	pes it.	New	Useu	rot diming	Left in Weil	(Cubic feet)	V
	water	8 5/8	J55	20	X		250	250'	L	by rule 15.05
oal	water	0 3/0	ررن	20	^			250	to surface	5-4 Full 13.05
	ediate	<del> </del>		<b></b>						Sizes
roduc		41/2	J55	15	X		22001	22001	15001 7:11	
ubing		11/4	J55	4.2	<del></del>	<del> </del>	2200'	2200'	1500' Fillup	
ners		1 2	ردد	4.2	_		2400.	2400'	ora	A /
iser 5	<u> </u>									Perforations:
					<del>'</del>					Top Bottom
		<del>                                     </del>	:						#	
		H: []						<del> </del>	_11	
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	<del></del>	<del></del>	: '				ILLING PE			
			-107-1	205			ibbing i			
:rmi	it numb <del>er</del> _	4/-	-10/-1	295					Nov	rember 28, 19 83
									Date	-
uis p	permit cove	ring the we	ell operato	r and wel	locatio	n shown bel	ow is evidence	of permission grant	ed to drill in accordan	ce with the pertinent legal re-
iren	nents subje	ect to the co	onditions c	ontained	herein a	nd on the rev	verse hereof. No	tification must be a	given to the District Oil	and Gas Inspector, (Refer to
stric	t oil and g	as inspecto	r 24 hours	before ac	tual per	mitted work	has commence	d.)	ven operator or his con-	tractor shall notify the proper
	-	-						•	4	1 11.1
	e hereof.					ppiication, p	iat, and reciam	ation plan, subject	to any modifications ar	nd conditions specified on the
	t expires _	N	ovembe:	r 28,	1985		unless well	work is commenced	d prior to that date and	prosecuted with due diligence.
						, , , , , , , , , , , , , , , , , , ,		J.R IJ COMMICHEE	a prior to that date and	prosecuted with due dingence.
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ОТЕ	. Keen o	ne conv of	this nermi	t noeted -	t the d-	illing locatio	m	// Adm	inistrator, Office of O	II and Gas
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