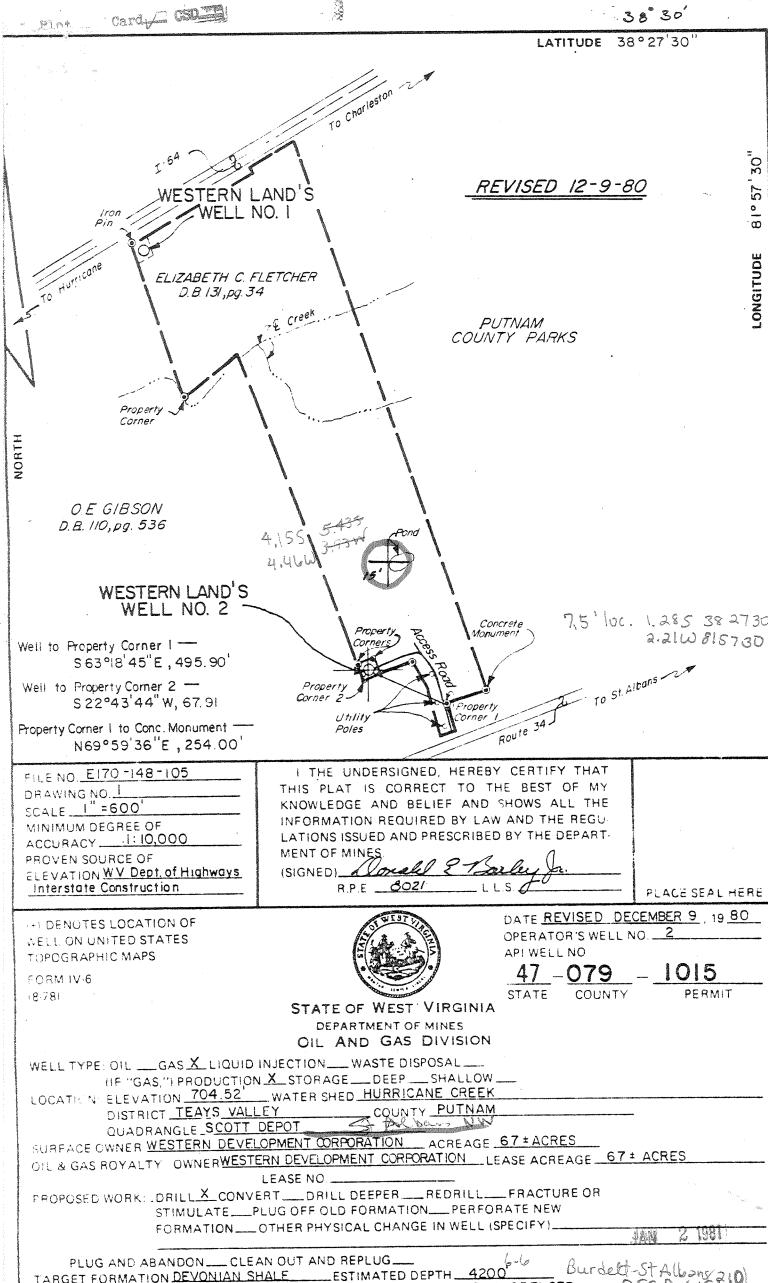
CHARLESTON, W V

<u> 25314</u>



TARGET FORMATION DEVONIAN SHALE WELL OPERATOR BUFFALO RESOURCES

ADDRESS 818 OAKWOOD ROAD, SUITE 102

CHARLESTON, WV 25314



	Date	enter :	E.	
9	Ser.	O. 1		
	67077	1	2	

Best Birginia Well o. Gil und Gus Division API No.47

urface

but the bear and land to the OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LL TYPE: Oil / Gas x / Liquid Injectio (If "Gas," Production x / Undergro				
(If "Gas," Production x / Undergro	n/ was und Stora	te Dispos ge / De	al/sh	-11 /\
Cation: 704 52				
CATION: Elevation: 704.52 Watershed Hu District: Teays Valley County Putnar	rricane Ci	eek 2	SH. 2	. V. V
The state of the s		_Quadrang	le Scott	Depot
	ENT V			
MPANY Buffalo Resources Corp.	1362			
DRESS 818 Oakwood Rd, Charleston, WV	Caşing			Cement
SIGNATED AGENT John M. Foster	Tubing	Used in	Left	fill up
DRESS 818 Oakwood Rd., Charleston, WV	Size	ntittiva	in Well	Cu. ft.
RFACE OWNER Western Development Corp.	20-16	, .		
DRESS c/o Charleston Fed. Savings & Loan	Cond.		P	
NERAL RIGHTS OWNER Western Development	13-10"	30'	30'	cmtd. to
DRESS Same	9 5/8	272'	272'	11
AND GAS INSPECIOR FOR THIS WORK Martin	8 5/8			
chols ADDRESS Clendenin, WV	7	1903'	1903'	340
MIT ISSUED Revised 12-9-80	5 1/2			
ILING COMMENCED 12-3-80	4 1/2	4300"	4300'	250
LLING COMPLETED 12-18-81	3	:	•	
APPLICABLE: PHICGING OF DRY 1977	2			
LLIVOUS PRINCESSION FROM PRINCESS	Liners			
ORKING. VERBAL PERMISSION OBTAINED 12-17-81	used			,
OGICAL TARGET FORMATION Devonian Shale		Dept	h 4100	feet
Depth of completed well: 4324 feet Ro	tary x	_/ Cable	Tools.	
resi ov feet: S	alt 1820	feet		
Coal seam depths: None Logged	Is coal b	eing mine	in the a	area? No
TION DATA	,		•	
Producing formation Devonian Shale Gas: Initial open flow shale	Day	rong dankl		
- Suom Wickly N	lle Tombert	a 9	•	
Final open flow 72 Mcf/d Time of open flow between inch.	ri:	rar obeu I	TOM	Bbl/d
Time of open flow between initial	LEILL FACE	open flo	W	Bpj/q
Static rock pressure psig(surface m	an IIV	ц "tests_	hour	.s
(If applicable due to multiple completion)	easurener	it) after	hours	shut in
Second producing formation Beres				•
Second producing formation Berea Gas: Initial open flow Show Mcf/d Oi	Pay z	one depth		
Final open flow 211	ı: Initi	al open f	Jow	Bb1/d
Final open flow 211 Mcf/d Oi Time of open flow between initial	1: Final	open flo	w	Bp1/g
Static rock pressure	and fina	l tests_	hour	S
Static rock pressure psig (surface me	asurement) 'after	hours	shut in
	ر در اور اور اور اور اور اور اور اور اور او	(Contimu	2 09 90	rse side)
		· ~~·· ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	on rever	se side)

DETAILS OF PERFORMED 1

MATING, 1

CHANGE: EMC.

		47-079-1015
FORMATION COLOR HARD OR SOFT	TOP FEET	BOITOM FEET Including indication of all fresh and salt water, coal, oil and gas
Soil and Rock	0	20
Sandy Shale	20	80
Shale and Silt	80	240
Sandstone	240	. 260 . Water flow noted
Sandy Shale	260	380
Shale and Silt	380	500
Shale	,500	550
Sand	550	670
Shale	670	730
Silty Shale	730	1110
Lime	/1110	1160
Shale	1160	1250
Lime	1250	1660 Big Lime Formation
Shale	1660	1730.
Sandstone .	1730	1815 Big Injun Formation
Shale :	1815	1905

(Attach separate sheets as necessary)

		ž.,	1	E.	6	1		Υ.	· ·	-	tc	-				*****	-	-	-	-	-		-					-	-			-			Ì
	10		. 13	7.0	Ψ.	,		7	~		<u></u>		1		7.	£ 5×	18	:	1			y.											111	-	J
			1	4A	- 3	1. 4	1	34		3.0		<i>.</i> •	$\mathcal{X}_{i}^{(i)}$, A.		24	- 1	۲,۰	kja.	:						- 1							•	
**	W.	1 -		× .			71	À.	7	W		See		1	Ç.	100	``	Middle NA	10	0				•			, T.								
έ.		B١	12	0	1	4	1.4	M. A. Sila	30		HAN	35	gr.			ş.,					1	Φ.				111		* : : :		. 4					1
1	12	-		-	-	100	1		-	<u> </u>	-	-			-					15		سمت		Soil			200							1.3	
70				2	1	4	24.				20.00	1	100		10				77	-					-		-	·	-		-		-	_	
m.	3	Uŧ	t	31			2	8			٠. ·	5 in 1		10	Ŷij.										•							2.25		÷.	
r.			L.			-	*	-	-	-	-			-	-				خب	-			250	فنتف		المال									

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 that, excountered in the drilling of a well."

Perforated from 22%6,1240 (6.8hots), 2241-2243 (3.8hots), 2248-2250 (3.8hots), 2000 (3.8hots),

HELL WELL LOG TO YE FORMATION COLOR HARD OR SOF Including indication of all fr Sand and Shale 1998 Shale 1998 2230 Sand (Berea) 2230 Shale Ison no price and 2257 Lime (Corniferous) 4214 Total Depth 4324 BOLD STATE OF THE SERVICE trace and as are merception tours. Vehenio William 108 E | Ten 23 10 STOOM LEADING DULDRY Y Cable Toxils 108-30 Mg 11 100 80 11 The co-dependence of the South hit and comment of the second will regnissive. (Attach separate sheets as becessary) ALIMETER STATE Buffalo Resources Corporation 197% / Mcamarian - Well Operator By a mental parton all tribling on W. J. December 22, 1981 er le desse bestalf tan Madi fro the white is the Mit// 1 will

Note: Regulation 2 02 (d.) provides as follows:

"The term log or well log shall mean a systematic relation of all formations, the luding in it, encountered in the drilling of a well w

A DE PROPERTY





Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION IN MINES

Charleston, W. Va. Western Development Corporation		
western beveropment corporation	DATE November 19, 1980	
Surface Come c/o Charleston Federal Savings & Loan Association	Company Buffalo Resources	
Loan Association 1320 Kanawha Blvd., E., Charleston, WV	Address 818 Oakwood Rd., Char	rleston, WV, Suite
Mineral Owner Same as Above		Acres ± 67 Acre
Addres	Location (waters) Hurricane C	reek
Coal Owner Same as Above	Well No Western Lands #2	Elevation 704.52
Address	District Teays Valley	County Putnam
Coel Operator None		
Address		
RMIT MUST BE POSTED AT THE WELL SITE		
risions being in accordance with Chapter 22,		
	ISPECTOR	,
	BE NOTIFIED Martin Nicho	ols
ns have not commenced by 7-26-81	DDRESS P. O. Box 554, Clenc	lenin, WV
was to wante		
uty Director - Oil & Gas Division	HONE 548-6993	
GENTLEMEN:		
The undersigned well operator is entitled to drill upon the		• • •
title thereto, (or as the case may be) under grant or lease de		
ment Company Buffalo Resources Corp	and recorded on the 28tl	h day of Octobe
19 80 in Putnam County, Book 61		
		•
X NEW WELL DRILL DEEPER	REDRILLFRAC	TURE OR STIMULAT
OIL AND GAS WELL ORIGINALLY DRILLED	BEFORE JUNE 5. 1969.	
	•	
The enclosed plat was prepared by a registered engineer or	r licensed land surveyor and all coa	l owners and/or operato
The enclosed plat was prepared by a registered engineer of have been notified as of the above date.	r licensed land surveyor and all coa	l owners and/or operato
have been notified as of the above date.	•	
	notified that any objection they wish	to make, or are requir
have been notified as of the above date. The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fi	notified that any objection they wish led with the Department of Mines w	to make, or are requirithin ten (10) days. *
have been notified as of the above date. The above named coal owners and/or operator are hereby:	notified that any objection they wish led with the Department of Mines w registered mail, or delivered to the al	to make, or are requir ithin ten (10) days. **
have been notified as of the above date. The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by	notified that any objection they wish led with the Department of Mines w registered mail, or delivered to the al	to make, or are requirithin ten (10) days. * bove named così operato before, or on the
have been notified as of the above date. The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A same day with the mailing or delivery of this copy to the Dep	notified that any objection they wish led with the Department of Mines we registered mail, or delivered to the aid ay N.A. partment of Mines at Charleston, West	to make, or are require ithin ten (10) days. ** bove named così operato before, or on th
have been notified as of the above date. The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. same day with the mailing or delivery of this copy to the Dep	notified that any objection they wish led with the Department of Mines w registered mail, or delivered to the al	to make, or are requirithin ten (10) days. * bove named così operato before, or on the
have been notified as of the above date. The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A same day with the mailing or delivery of this copy to the Deptherapy PLEASE SUBMIT COPIES OF ALL	notified that any objection they wish led with the Department of Mines w registered mail, or delivered to the allower day N.A. partment of Mines at Charleston, West Very truly yours,	to make, or are require ithin ten (10) days. * bove named coal operato before, or on the Virginia.
have been notified as of the above date. The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. same day with the mailing or delivery of this copy to the Dep	notified that any objection they wish led with the Department of Mines we registered mail, or delivered to the aid ay N.A. partment of Mines at Charleston, West	to make, or are require ithin ten (10) days. * bove named coal operato before, or on the Virginia.
have been notified as of the above date. The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A same day with the mailing or delivery of this copy to the Deptherapy PLEASE SUBMIT COPIES OF ALL	notified that any objection they wish led with the Department of Mines w registered mail, or delivered to the allower day N.A. sertment of Mines at Charleston, West Very truly yours, (Sign Name)	to make, or are require ithin ten (10) days. * bove named coal operato before, or on the Virginia.
have been notified as of the above date. The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. same day with the mailing or delivery of this copy to the Depther Submit Copies of ALL GEOPHYSICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS Address	notified that any objection they wish led with the Department of Mines w registered mail, or delivered to the algorithm of Mines at Charleston, Western truly yours, (Sign Name) West Operato	to make, or are require ithin ten (10) days. * bove named coal operato before, or on the Virginia.
have been notified as of the above date. The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit. Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. same day with the mailing or delivery of this copy to the Deptherapy Section 1. All GEOPHYSICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS Address 1615 Washington Street, East	registered mail, or delivered to the algorithment of Mines were day N.A. Partment of Mines at Charleston, West (Sign Name) 818 Oakwood Road Street	to make, or are requirithin ten (10) days. ⁸ bove named coal operato before, or on the Virginia.
have been notified as of the above date. The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. same day with the mailing or delivery of this copy to the Deptherapy Section 19 Deptherapy 19 OFFICE OF OIL AND GAS OFFICE OF OIL AND GAS Address 1615 Washington Street, East Of Charleston, West Virginia Well Operators Address OF Main Section 19 OFFICE OF OIL AND GAS OFFICE OF OIL AND GAS OFFICE OF OIL AND GAS Well Operators Address OFFICE OF OIL AND GAS OFFICE	registered mail, or delivered to the aiday N.A. Partment of Mines at Charleston, West Very truly yours, (Sign Name) 818 Oakwood Road Street Charleston, WV 2	to make, or are require ithin ten (10) days. * bove named cost operato before, or on the Virginia.
have been notified as of the above date. The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. same day with the mailing or delivery of this copy to the Deptherapy Section 19 Deptherapy 19 OFFICE OF OIL AND GAS OFFICE OF OIL AND GAS Address 1615 Washington Street, East Of Charleston, West Virginia Well Operators Address OF Main Section 19 OFFICE OF OIL AND GAS OFFICE OF OIL AND GAS OFFICE OF OIL AND GAS Well Operators Address OFFICE OF OIL AND GAS OFFICE	registered mail, or delivered to the algorithment of Mines were day N.A. Partment of Mines at Charleston, West (Sign Name) 818 Oakwood Road Street	to make, or are requirithin ten (10) days. ⁸ bove named coal operato before, or on the Virginia.
have been notified as of the above date. The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. same day with the mailing or delivery of this copy to the Deptherapy Section 19 Deptherapy 19 OFFICE OF OIL AND GAS OFFICE OF OIL AND GAS Address 1615 Washington Street, East Of Charleston, West Virginia Well Operators Address OF Main Section 19 OFFICE OF OIL AND GAS OFFICE OF OIL AND GAS OFFICE OF OIL AND GAS Well Operators Address OFFICE OF OIL AND GAS OFFICE	registered mail, or delivered to the aiday N.A. partment of Mines at Charleston, West (Sign Name) 818 Oakwood Road Street Charleston, WV 2 City or Town	to make, or are requirithin ten (10) days. ⁸ bove named coal operato before, or on the Virginia.
have been notified as of the above date. The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. same day with the mailing or delivery of this copy to the Deptherapy Section 19 Deptherapy 19 OFFICE OF OIL AND GAS OFFICE OF OIL AND GAS Address 1615 Washington Street, East Of Charleston, West Virginia Well Operators Address OF Main Section 19 OFFICE OF OIL AND GAS OFFICE OF OIL AND GAS OFFICE OF OIL AND GAS Well Operators Address OFFICE OF OIL AND GAS OFFICE	registered mail, or delivered to the aiday N.A. Partment of Mines at Charleston, West Very truly yours, (Sign Name) 818 Oakwood Road Street Charleston, WV 2	to make, or are requirithin ten (10) days. ⁸ bove named coal operato before, or on the Virginia.
have been notified as of the above date. The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. same day with the mailing or delivery of this copy to the Deptherapy Section 19 Deptherapy 19 OFFICE OF OIL AND GAS OFFICE OF OIL AND GAS Address 1615 Washington Street, East Of Charleston, West Virginia Well Operators Address OF Main Section 19 OFFICE OF OIL AND GAS OFFICE OF OIL AND GAS OFFICE OF OIL AND GAS Well Operators Address OFFICE OF OIL AND GAS OFFICE	registered mail, or delivered to the aiday N.A. partment of Mines at Charleston, West (Sign Name) 818 Oakwood Road Street Charleston, WV 2 City or Town	to make, or are requirithin ten (10) days. * bove named coal operato before, or on the Virginia.
The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. same day with the mailing or delivery of this copy to the Deptherape Submit Copies of ALL GEOPHYSICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS 1615 Washington Street, East Charleston, West Virginia Area Code 304 -348-3092 348-3096	notified that any objection they wish led with the Department of Mines we registered mail, or delivered to the all day N.A. Partment of Mines at Charleston, West (Sign Name) 818 Oakwood Road Street Charleston, WV 2 City or Town	to make, or are requirithin ten (10) days. * bove named coal operato before, or on the Virginia.
The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fill Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. same day with the mailing or delivery of this copy to the Depth PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS 1615 Washington Street, East Charleston, West Virginia Area Code 304 -348-3092 348-3096 *SECTION 3 If no objections are filed or found by the D	registered mail, or delivered to the all day N.A. Partment of Mines at Charleston, West Very truly yours, (Sign Name) 818 Oakwood Road Street Charleston, WV 2 City or Town State	to make, or are require ithin ten (10) days. * bove named coal operator before, or on the Virginia.
The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fill Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. same day with the mailing or delivery of this copy to the Depth PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS 1615 Washington Street, East of Charleston, West Virginia Well Opera Area Code 304 -348-3092 348-3096 *SECTION 3 If no objections are filed or found by the Depth could be the filing of such plat, that no objections have been made by the coal op the coal	registered mail, or delivered to the air day N.A. Partment of Mines at Charleston, West Very truly yours, (Sign Name) 818 Oakwood Road Street Charleston, WV 2 City or Town Charleston of the department shall forthwith issue to the	to make, or are require ithin ten (10) days. * bove named coal operator before, or on the Virginia. 15314 ten days from the receipt well operator a permit receipt.
The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fill Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. same day with the mailing or delivery of this copy to the Depth PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS 1615 Washington Street, East Charleston, West Virginia Area Code 304 -348-3092 348-3096 *SECTION 3 If no objections are filed or found by the Depth notice and plat by the department of mines, to said proposed location,	registered mail, or delivered to the air day N.A. Partment of Mines at Charleston, West Very truly yours, (Sign Name) 818 Oakwood Road Street Charleston, WV 2 City or Town Charleston of the department shall forthwith issue to the	to make, or are require ithin ten (10) days. bove named coal operato before, or on the Virginia.
The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. aame day with the mailing or delivery of this copy to the Dept PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS 615 Washington Street, East of Charleston, West Virginia Weil Operator and plat by the department of mines, to said proposed location, the filing of such plat, that no objections have been made by the coal op and the well operator authorized to proceed.	registered mail, or delivered to the all day N.A. Partment of Mines at Charleston, West Very truly yours, (Sign Name) 818 Oakwood Road Street Charleston, WV 2 City or Town Repartment of mines, within said period of the department shall forthwith issue to the erators or found thereto by the department	to make, or are require ithin ten (10) days. * bove named coal operator before, or on the Virginia. 25314 ten days from the receipt well operator a permit recit t and that the same is appro
The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fill Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. aame day with the mailing or delivery of this copy to the Depth PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS 1615 Washington Street, East of Charleston, West Virginia Well Opera Area Code 304 -348-3092 348-3096 *SECTION 3 If no objections are filed or found by the Depth code and plat by the department of mines, to said proposed location, the filing of such plat, that no objections have been made by the coal operators.	registered mail, or delivered to the air day N.A. Partment of Mines at Charleston, West Very truly yours, (Sign Name) 818 Oakwood Road Street Charleston, WV 2 City or Town Charleston of the department shall forthwith issue to the	to make, or are require ithin ten (10) days. bove named coal operato before, or on the Virginia.
The above named coal owners and/or operator are hereby to make by Section 3 of the Code, must be received by, or fit Copies of this notice and the enclosed plat were mailed by or coal owners at their above shown respective address N.A. same day with the mailing or delivery of this copy to the Dept PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS 1615 Washington Street, East of Charleston, West Virginia Well Opera Area Code 304 =348=3092 348=3096 *SECTION 3 If no objections are filed or found by the Depth of the filing of such plat, that no objections have been made by the coal op and the well operator authorized to proceed.	registered mail, or delivered to the all day N.A. Partment of Mines at Charleston, West (Sign Name) 818 Oakwood Road Street Charleston, WV 2 City or Town Charlestor within said period of the department shall forthwith issue to the department of the department of the department of the department of the department shall forthwith issue to the department of the depart	to make, or are require thin ten (10) days. The bove named coal operator before, or on the Virginia. 25314 ten days from the receipt well operator a permit receipt and that the same is approximately and that the same is approximately approximately and that the same is approximately approximate

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER	TO X DRILL	DEEPEN	FRACTURE-STIMULATE							
DRILLING CONTRACTOR:	(If Known)	RESPONSIBLE AGEN	T:							
NAME Clint Hurt & Asso	ociates	NAME S. M. Spencer								
ADDRESS Edens Fork		ADDRESS 818 Oakwood Road, Charleston, WV								
TELEPHONE 344-2401		TELEPHONE 345-9232 Suite 102								
ESTIMATED DEPTH OF COM	APLETED WELL: 4200'	ROTARY X	_ CABLE TOOLS							
PROPOSED GEOLOGICAL FO	DRMATION: Brown Shale									
TYPE OF WELL: OI	L GAS _X (COMB. STORA	GEDISPOSAL							
•	RECYCL	NG WATER F	LOOD OTHER							
TENTATIVE CASING PROGF	RAM:	•								
CASING AND TUBING	USED FOR	LINT IN	CEMENT THE CP							
SIZE	DRILLING	Wi't.t.	OR SACKS - CUBIC FT.							
20 - 16		25'	Name							
13 - 10 13"	25'	1800'	None Cement to Surface							
9-5/8 95/8"	1800'	1800.	Cement to Surface							
8 - 5/8										
7 \$ \L										
$\frac{5 \%}{4 \%}$ $\frac{4 \frac{1}{2}!!}{}$	4200'	4200'	Cement w/200-300 SX							
3			Pert. Top							
3			Perf. Bottom							
Liners			Perf. Top							
			Perf. Bottom							
APPROXIMATE FRESH WAT	TER DEPTHS 80' FEET	SALT WATE	R 1500' FEET 1900'							
APPROXIMATE COAL DEPT	'HS 250'									
IS COAL BEING MINED IN	THE AREA? NO	BY WHOM?	aran masara aran aran aran aran aran aran aran							
OF PLAT. TO DRILL DEEPER OR REL SUBMIT FIVE (5) COP	ORILL: ES OF OG - 1, SHOWING ORIG	HNAL PERMIT NUMBER	AND PERFORMANCE BOND. ON D THE ORIGINAL WELL RECORD							
MUST ALSO BE SUBM										
TO FRACTURE - STIMULAT	E:									
	L ORIGINALLY DRILLED BEF LAT AND ORIGINAL WELL RI		(5) COPIES OG - 1, PERFORMANCE							
	L ORIGINALLY DRILLED ON A NUMBER, AND PERFORMANCE		1929, FIVE COPIES OG - 1, SHOW-							
Required forms must be four (24) hours in advar		completion for bond relea	ase. Inspector to be notified twenty-							
the state of th										
			The second secon							
The following waiver m	ust be completed by the coal o	perator if the permit is to	be issued within ten days of receipt							
WAIVER: I the undersigned,	Agent for	Coal Company, Ov	wner or Operator of the coal under							
	amined and place on our mine									
			d well being drilled at this location,							
			and 7, Chapter 22 of the West Virginia							
		and the second s	For Coal Company							
6			1 01 Coar Company							

Otticial Title