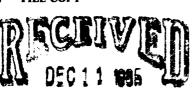


7/85





1)	Date: Dec	. 1585		
2)	Operator's Well No	Ch a s		
3)	API Well No.	Snea 47	-107-1386	
-,		State	County	Permit

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION DEPARTMENT OF ENERGAPPLICATION FOR A WELL WORK PERMIT

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WELL TY			-				/ Underground	toroge	/ Dam	/ Shallow <u>X</u> /)
LOCATIO				1018		<u></u>		Bull Cree		/ ShallowA/}
LOCATIO	N:			nion	20	1	-			Willow Island
WELL OR	TD 4 T						2. 12 12 5	7) DESIGNATE	Quadrangie: _	r Hunter
			te #1	Sa Dap	· dDe	Za CODI	· 1=121	Address	P.O. Box 1	
Address	_			Ohio	457	50		Addiess		. W.Va. 25325
O11 6: CA							···	9) DRILLING C		, W. Va. 23323
OIL & GA	S INSI	To	at her	1	e h	Shin!	(M	•		ined
Address		_	. /	Delive		<u> </u>			yer dereim	THEU
Addiess		4 - 4				2614	489-1	9162		
PROPOSE		V		Drill_		/ Drill			/ Stimulate	X /
PROPOSE	D WE	LL W	OKK:			_	•	ate new formation		/
				_			well (specify)	ate new formation	11 <u>44</u> /	
CEO! OC!	CALT	CADC	ET EOD	OHICI J MATION	inysicai I	De v oni	an Shale/Be	nson Format	tion 401	
12) Estima						4500 <i>f</i>	feet	noon rorma	22011 0 1	
12) Estima 13) Appro		•	•		100	24		1,500	feet.	
14) Appro	wimate	LIGIE	ucpuis.	the not	app	licabl	e is co			/ NoX/
CASING A							<u>-</u>	at being mined in ti	incarca: 16	
SING OR	יו שאנגר או	CDIN			•	0 t	FOOTAGE I	NTFRVALS	CEMENT FILLUP	PACKERS
BING TYPE			CIFICATIONS Weight			1		OR SACKS	ACREAS	
	Str	*	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
uctor	 , ,	2/4		20 0	77	 	TKO'Z	450-	1000	Kinds
water	111	3/4		38.0	X	 	7-250	1/30	C, 1, 3,	gyrule 15.0.
	-	E / 0		2/ 0			10001	10001		S izes
mediate	1	5/8		24.0	X	╂	1800'	1800'	300 sacks	1
uction	4.	> 		10.5	X		4500	45001	300 sacks	growthen reguer
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,	╢	-+		 	 			 	-	Top Bottom
	+-	-+		<u> </u>	 			 		
	1			1	J	<u> </u>				
							OFFICE USE	ONI V		
							DRILLING PE			
•							DRILLING I L	ACIVII I		
ermit number 47-107-1386					<u>December 13 19 85</u>					
								•		ate
permit cove	ering tl	ne wel	l operate	or and we	ll locati	on shown	below is evidence	of permission gran	nted to drill in accorda	ance with the pertinent legal re-
ements subject to the	eci io i se cons	ne coi	naitions	contained	nerein a	nits for a	reverse hereof No	tification must be a In addition, the	given to the District O well operator or his co	il and Gas Inspector, (Refer to ontractor shall notify the proper
ict oil and g	gas insp	ector	24 hour	s before a	ctual pe	rmitted w	ork has commence	ed.)		
	ork is	as des	cribed in	the Noti	ce and A	Application	n, plat, and reclam	ation plan, subject	t to any modifications	and conditions specified on the
nermitted w		u b u c.			,	.,,,	.,	,,,,,,,,,,,,		and containing opening on the
		\	<u>embe:</u>	<u>r 13,</u>	<u> 198</u>	7	unless wel	work is commence	ed prior to that date an	d prosecuted with due diligence.
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mit expires	I			21.00	Cooi		Foo LIDER	ecr. T	0+1	_
mit expires	I	ent:	I	Plat:	Casi	15	Fee WPCP	S&E	Other	•
e permitted werse hereof. mit expires Bond	I			Plat:	Casi	15	Fee WPCP	U M	Other	
erse hereof. mit expires	I		<i>y</i>	Plat:	Casi	15		U M	Other	$m \sim 2$
rse hereof mit expires	I		<i>Y</i> .	Plat:	Casi	15		W MY	Other by	Margaret I.L
rse hereof nit expires	Age	ent:	1	MY!	m	15 15	-08 m	My My	Supton by	Margaret D.L. Land Fals File