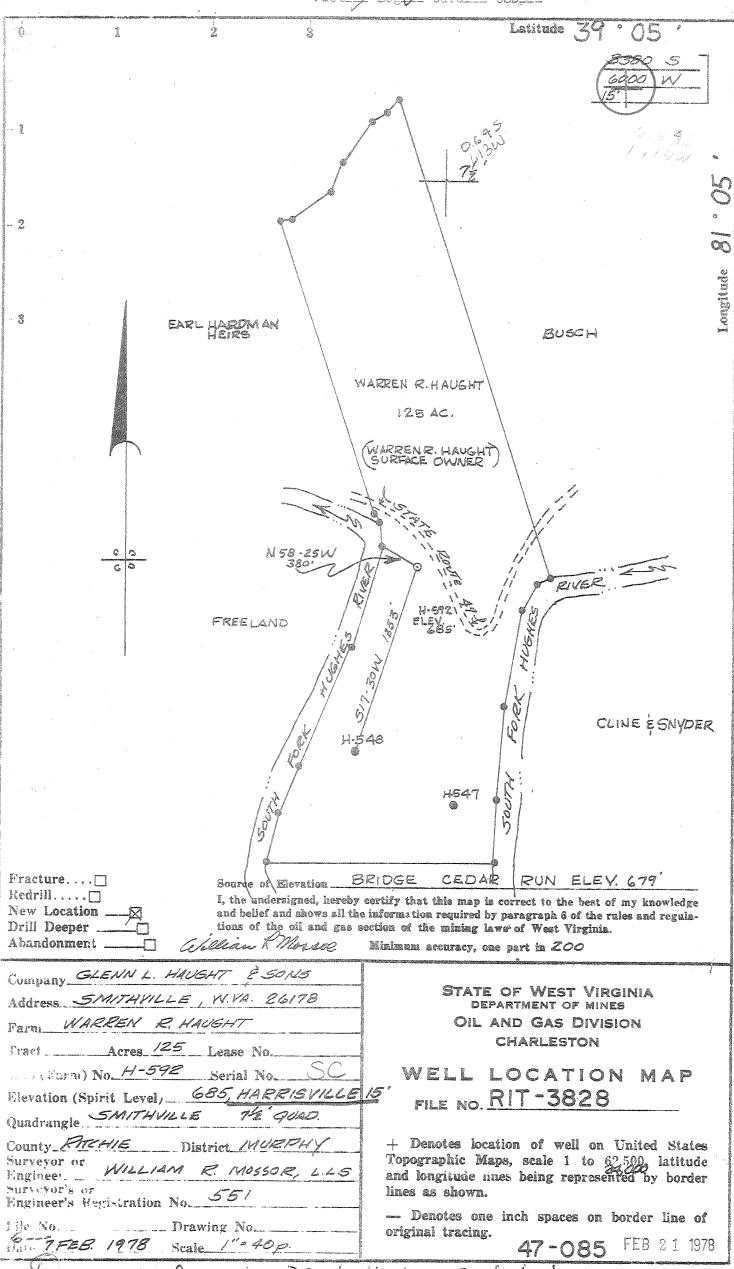
5990 Benson

71T. 3828 FRAC



Goop well 3-3 Leatherbork Creek (125)



#### STATE OF WEST VIRGINIA DEPARTMENT OF MINES



## OIL & GAS DIVISION DEFT. OF MINES

### Oil and Gas Division

#### RECORD 3/ WELL

Quadra	ngle	Smi	In	VIL	16
Darmit	Ma	RTT	,_3	タクタ	

Coal was encountered at.

Rotary\_XX\_ Oil\_ Cable\_\_\_\_\_ Gas XX Recycling\_ Comb.\_

Permit No.RIT-3828			Water Floo Disposal	d Storage
			21320341	(Kind)
Company Glenn L. Haught & Sons	Casing and	Used in	Left	Cement fill up
Address Smithville, WV 26178	Tubing	Drilling	in Well	Cu. ft. (Sks.)
Farm Warren R. Haught Acres 125			11, 11011	00. 11. (51.5.)
Location (waters) South Fork Hughes River	Size	8		
Well No. H-592 Elev. 685°	20-16			
District Murphy County Ritchie	Cond.			
The surface of tract is owned in fee by	13-10"	2021	2021	125 sacks
Warren R. Haught	9.5/8			
Address Smithville, WV 26178	8 5/8			TO THE PROPERTY OF THE PROPERT
Mineral rights are owned by same	7	<u> 1835'</u>	1835'	60 sacks
Address	5 1/2			-
Drilling Commenced 2-9-78	4 1/2		4777	50 sacks
Drilling Completed 2-26-78	3			
Initial open flow show cu. ftbbls.	2			
Final production 1,000, QQOft. per daybbls.	Liners Used			
Well open 8 hrs. before test 1450 RP.				
Well treatment details:	Attach copy of co	ementing reco	ord.	
Water frac by Halliburton 3-3-78 w				llone acid
495 sks. 20/40 sand, 125 sks. 80/10	O sand	* NGOOLS	<u> </u>	LLUID QULL
		MIN O CHARLES OF THE THINK (M. 1912).		
		- <del> </del>		

Fresh water Producing Sand	Benson		et	Salt W Depth	Perforations	Feet 12- 4120-4112 12- 4660-4649
Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & gr Shale Sand Red Rock Sand Red Rock Shell Sand Shell Red Rock Shale Red Rock Shale Red Rock Shale Red Rock Sand Red Rock Sand Red Rock Sand Red Rock Sand Red Rock	avel		0 40 57 100 1138 151 1151 1215 1215 1215 1215 1215 1215	40 50 100 138 155 191 195 195 200 278 200 278 200 200 200 200 200 200 200 20		

\_Feet\_

(over)

None

<sup>\*</sup> Indicates Electric Log tops in the remarks section.

Formation Color Hard or Soft	Top Feet 3/	Bottom Feet	Oil, Gas or Water * Remarks
Shale Red Rock Slate Red Rock Slate soft Slate hard Slate soft Sand Slate Sand Shell Sand Shell Sand Shell soft Shell hard Sand Shale Big Lime Big Injun Slate Shale Slate Shale Slate Shells Shell Sand Slate Shale Slate Shale Slate Shell Sand Slate Shale Slate Shells Sand Slate Shells Sand Slate & Shells Benson Sand Slate & Shells Shale Lime Cool Sand Orisic Lime Hell Sand Slate Sand Slate	4378 5578 5578 5578 5666 77817 1000 11360 11351 1557 1557 1557 1557 1557 1557 155	T. 438 555 51 357 00 08 02 2 59 0 1136 92 2 59 0 1136 92 2 115 50 16 8 9 00 1136 92 2 15 50 16 8 16 77 8 8 9 00 113 15 51 51 51 51 51 51 51 51 51 51 51 51	5988 1570 4350  4418 4350  5988 1745 4243  Exploratory footag
Hole plugged back as fol	lows: 5988 5750 5650 4800	5750 5650 4800 4700	Gel Cement Gel Cement  Annual

	Date	March 14	, 19.78
APPRO	OVED Glenn L.	Haught & So	ns Owner
	By Maris	M (Title)	Partner





DEPARTMENT OF MINES

### OIL & GAS CIVISION DEFT. OF MINES

### Oil and Gas Division

## OIL AND GAS WELL PERMIT APPLICATION

(1) 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1	。 1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、
TO THE DEPARTMENT OF MINES,	496-49 (00 00 00 00 00 00 00 00 00 00 00 00 00
Charleston, W. Va.	DATE February 7, 1978
Surface Owner Warren R. Haught	A second
Address Smithville, WV 26178	Market and the second
Was managed to the same of the	Farm Warren R. Haught Acres 125
Address	Location (waters) South Fork Mughes River
	Well No. Elevation 685!
AddressCoal OperatorNone	VV4283
	Quadrangle DillI off VIII E
THIS PERMIT MUST BE POSTED AT THE WELL SITE	
All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved $_{ m IN}$	
for <u>drilling</u> . This permit shall expire iTO	BE NOTIFIED Kenneth P. Goodnight
operations have not commenced by 6-9-78 AD	DRESS Smithville, WV 26178
A	
Deputy Director - Oil & Gas Division	ONE 477-3660
GENTLEMEN:	The Market Control of
The undersigned well operator is entitled to drill upon the	above named farm or tract of land for oil and gas, having fee
title thereto, (or as the case may be) under grant or lease da	
	and recorded on the day of
19, in County, Book	Page
	-
	REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED	BEFORE JUNE 5, 1969.
The enclosed plat was prepared by a registered engineer or have been notified as of the above date.	licensed land surveyor and all coal owners and/or operators
The above named coal owners and/or operator are hereby not to make by Section 3 of the Code, must be received by, or file	otified that any objection they wish to make, or are required ed with the Department of Mines within ten (10) days. *
Copies of this notice and the enclosed plat were mailed by r or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the Department.	registered mail, or delivered to the above named coal operators  day before, or on the artment of Mines at Charleston, West Virginia.
	Very truly yours,
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: (5)	Sign Name GLENN L. HAUGHT & SONS
	Well Operator
WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY Address	M: Warren M. Staught
P. O. BOX 879  Address  P. O. BOX 879	Street
MORGANTOWN, WEST VIRGINIA 26505 Well Operat	
AC-304 - 292-6331	City or Town  The second of th
	11533-6
	State
	the cities to the mode, was bordenessed and space still
*SECTION 3 If no objections are filed or found by the Dependence 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 operand the well operator authorized to proceed.	partment of mines, within said period of ten days from the receipt of ne department shall forthwith issue to the well operator a permit reciting rators or found thereto by the department and that the same is approved
DIMINE DAY	RIT-3828 PERMIT NUMBER
"I have read and understand the reclamation requirements as set for Chapter 22, Article 1 Section 12-b and will carry out the specified requirem	rth in 47 AGE

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

PROPOSED WORK ORDER TO	XX DRILL	DEEPENFR	ACTURE-STIMULATE
DRILLING CONTRACTOR: (If	Known)	RESPONSIBLE AGENT:	
NAME Glenn L. Haugh	it & Sous	NAME_Warren R.	Maught —
ADDRESS Smithville, Wi	<u> </u>	ADDRESS Smithvi	26178
TELEPHONE 477-3333		TELEPHONE 477-34	
ESTIMATED DEPTH OF COMPL	ETED WELL: 5990*		CABLE TOOLS
PROPOSED GEOLOGICAL FORM	MATION: Benson		
TYPE OF WELL: OIL_	GAS ZA	COMB STORAGE	DISPOSAL
		ING WATER FLOO	ODOTHER
			1000年1月1日日 李承隆教育的日本
TENTATIVE CASING PROGRAM			
CASING AND TUBING	USED FOR	LEIT IN	CEMENT FILL UP
SIZE	DRILLING	WELL	OR SACKS - CUBIC 1.T.
20 - 16	200*	200 *	100 sacks
13 - 10	6.40**		200 2000
9 - 5/8 8 - 5/8			The second secon
7	1800*	1800*	70 sacks
5 ½			
4 1/2		500014444	
3			Perf. Top Perf. Bottom
2 Linear			Perf. Top
Liners			Perf. Bottom
WELLS DRILLED PRIOR OF MUST ALSO BE SUBMITTED FRACTURE - STIMULATE:  OIL AND/OR GAS WELL OF BOND, PERMANENT PLATED OIL AND/OR GAS WELL OF ING ORIGINAL PERMIT NUMBER OF THE PRIOR OF THE PERMIT NUMBER	OF OG - 1, SHOWING ORI TO 1929, A PERMANENT ED.  PRIGINALLY DRILLED BEF AND ORIGINAL WELL R PRIGINALLY DRILLED ON UMBER, AND PERFORMANC	COPY OF THE PLAT AND TO CORE JUNE 5, 1929, FIVE (5) ( ECORD. AND/OR AFTER JUNE 5, 192 CE BOND.	D PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD COPIES OG - 1, PERFORMANCE  9, FIVE COPIES OG - 1, SHOW- Inspector to be notified twenty-
thereof.  WAIVER: I the undersigned, Ag this lease have examin	be completed by the coal companient for	Coal Company, Owner maps this proposed well local by have no objections to said w	issued within ten days of receipt or Operator of the coal under
	en e		
	grade.		or Coal Company

Official Title



1) Da	ate: XX Ju	ly 8	, <sub>19_</sub> 85
	perator's ell No. <u>Hau</u>	aht H-59	12 W
	PI Well No. 4	085	3828F
•	Sta	te Cou	nty Permit

File

# STATE OF WEST VIRGINIA DIVISION OF OIL & GAS DEPARTMENT OF MARKET OF APPLICATION FOR A WELL WORK PERMIT

4) WELL TYF	E: A C	oil X	/ G	asX					v
	В (	If "Gas",	Productic	n <b>XX</b> 6	A OE			_/ Deep	
5) LOCATION	۷: Ele	evation: _	ZA.	MA C	85			k Hughes F	
		strict:							Smithville 611
6) WELL OPE	RATOR						7) DESIGNATED		en R. Haught
Address	***************************************	442	4 Eme	rson	Ave	21500	Address	Rt.	3 Box 14
		Parl	cersb	urg,	WV	<u> 261</u> 04		Smit	<u>:hville, WV 261</u> 7
8) OIL & GAS	INSPEC	TOR TO	BE NOTI	FIED			9) DRILLING CO		
Name	Sar	nuel I	Hersm	an			Name		ht, Inc.
Address		0. Bo					Address		Emerson Ave.
	<u>Sm:</u>	<u>ithvi</u>	lle,	WV	2617	8		Park	ersburg, WV 261
10) PROPOSEI	) WELL	WORK:	Drill		_/ Dril	l deeper	/ Redrill	/ Stimulate	<u>X</u> /
			Plug o	ff old	formatio	n_X_/ Perfor	ate new formation_	X/	
			Other p	hysical	change :	in well (specify)			
11) GEOLOGIO	CAL TAR	GET FOR							
12) Estima	ted depth	of complet	ed well,		183	5 feet		<del></del>	
13) Approx	imate tra	ta depths:	Fresh, _	N/	'A	feet; salt	N/A	feet.	
14) Approx							al being mined in the	area? Yes	/ No/
15) CASING A							<del>-</del>		
CASING OR		SPEC	IFICATION	s		FOOTAGE I	NTERVALS	CEMENT FILL-UP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor	10	Grade	per n.	New	Useu	Existing	202	25 sacks	7211
Fresh water	7			1		Existing	1835	60 sacks	Kinds
		<del> </del>	-	<del></del>	<del>                                     </del>	1 2212002119		oo baanb	6:
Coal				<b>-</b>	1	. ,			Sizes
Intermediate	41/2	<del> </del>	-	<del> </del>	<del> </del>	Existing	4777	50 SARKS	
Production	3.2		-	<del> </del>	1	LAISCING	4///	JU ZZZZ	Depths set
Tubing				<del> </del>	1				
Work O	705.	C11+	OFF	112 -	+ 30	00', Plug	back to be	++om of	Perforations:
						perforate			Top Bottom
	<u> </u>	uge p	tug a	<u> </u>	130 ,	periorace	and trac	DIG IIIJuii	
		1	ł	1	1	<b>I</b>	<u> </u>	<u> </u>	
***************************************						OFFICE USE (	NI V		
	<del></del>					DRILLING PE			
•			N				W W W A T		
Permit number_	47-	<u>085-38</u>	28 Fr	3 C		-			August 2 19 85
								Dat	te
									nce with the pertinent legal re-
									oil and Gas Inspector, (Refer to
						work has commence		n operator or ms con	mactor shall notify the proper
The permitted wo	ark is as d	escribed in	the Noti	re and 4	Annlicati	on plat and reclams	ation plan subject to	any modifications a	and conditions specified on the
everse hereof.	/I K IS AS U	eserroed in	the Non	cc and r	applicati	on, plat, and reclaim	ttion plan, subject to	any mounications a	and conditions specified on the
Permit expires	Aug	ust 2,	1987			unless well	work is commenced	prior to that date and	prosecuted with due diligence.
,								•	processes when the discountry of the process of the
	٠								
Bond:	Ager	it: [ ]	Plat:	Casii	ng	Fee	1/1	$\wedge$	
and the second	ALB	1	$\eta u$	m	2	33/		100	ر
				<i>y</i> • •		<u> </u>	1	1alu-	
							Andread	Metallity Tilling of C	Dil and Gas
NOTE: Keep or	ne copy of	f this perm	it posted	at the d	irilling lo	ecation.	RECTOR, D.	VISION	in and Gas
	. ت ر تو	p	F				,	w ω was ~ ▼ 367	