Date: June 9

API Well No.

_, 19__80

Operator's H-1015

3tate Odunty Permit

4860

JUN 1 1 1980

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

OIL & GAS DIVISION
DEPT. OF MINES WELL PERMIT APPLICATION

		ground storage Deep Shallow X /
	levation: 852' Waters!	
D	istrict: Union County	: <u>Ritchie</u> Quadrangle: <u>Harrisville</u> , WV 72
WELL OPERATOR	Haught, Inc.	DESIGNATED AGENT Warren R. Haught
Address	Route 3, Box 14	Address Smithville, WV 26178
	Smithville, WV 26178	
OIL & GAS ROYALTY OWNER	J. T. Grubb	COAL OPERATORNone
Address	Harrisville, WV 26362	
_		
Acreage	83	COAL CWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER	J. T. Grubb	Name
Address _	Harrisville, WV 26362	Address
Acreage _	83	Name
FIELD SALE (IF	MADE) TO:	Address
Name		
Address _		COAL LESSEE WITH DECLARATION ON RECORD: Name None
DIL & GAS INSP	ECTOR TO BE NOTIFIED	Address
lame	Kenneth Paul Goodnight	
Address _	Smithville, WV 26178	
_		
The		
		led to operate for oil or gas purposes at the above
	ll operator from Dale Wolfe	r contract X / dated July 20 , 19 79 , to the
	lease, or other contract has been	
		ice of the Clerk of the County Commission of Ritchie
		28 at page 138. A permit is requested as follows: / Redrill / Fracture or stimulate /
		/ Perforate new formation /
		Il (specify)And bosesmands and over application
	outer physical change in wel	.i (specify)
	planned as shown on the we	ork order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner/s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1615 WASHINGTON STREET EAST CHARLESTON, WV 25311

TELEPHONE: (304) 348-3092

0.00	
01 1	
dhucht.	-
	Danaht

FORM IV-2 (Reverse)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE DNLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CO	NTRACTO	R (IF I	(NOMN)	Addre	Hau	ght, Inc. mithville,	WV 26178		
				AUGI E	33	A283 37 452			
/	ė.					Dia Tajua			And the second of the second
						Big Injun		Potany X	Cable tools
								feet.	
									r Yes X
Approx				_					
CASING AND									II
DASING OR TUBING TYPE	Size	Grade	Weight per ft	New	Used	For drilling	Left in well	OR SACKS (Subic feet)	PACKERS
Conductor	1							+	Kinds
Fresh water	8 5/8	K-55	20#	X	-	200'	200'	75 sacks	
Coal									Sizes
Intermediat					_			1100	
Production	41/2	J - 55	10.5#	X	-		2000'	100 sacks	Depths set
Turing	-				-				
Liners									Perforations:
	1				-		-		Top Bottom
		-		-	-				
								1	1
app pre the 200 when is This of for ope	licable viously consent feet of A re fract coted as S PERMI Provision the W.	to the paid of required the property of the pr	reclam red by roposed ate For or stim on the	corda location Code Well MIV- Ulati Form OSTE Corda location This nced	2 shang is IV-2 D AT ince von is by	the fee required the fee required by the fee required to be part of filed in connumber 2 to be the connumber 2 to be part of filed in connumber 2 to be part of filed in connumber 2 to be consisted in connumber 2 to be connumber 2 to b	ired by Code owner of any uired for from fine work for ection thereu	acturing or stim	(v) if applicable, dwelling within
well loca	or coal is to b The und has exam tion, th	lesse issu lersign ined the well	ed coal	as rein fi	rator i well	MAIVE / owner location.	E R / less If a mine map. If a mine map.	see/ of the	ocal swher the permit a coal under this well wers the area of the i has no objection to complied with all
							Ву		
							Its		

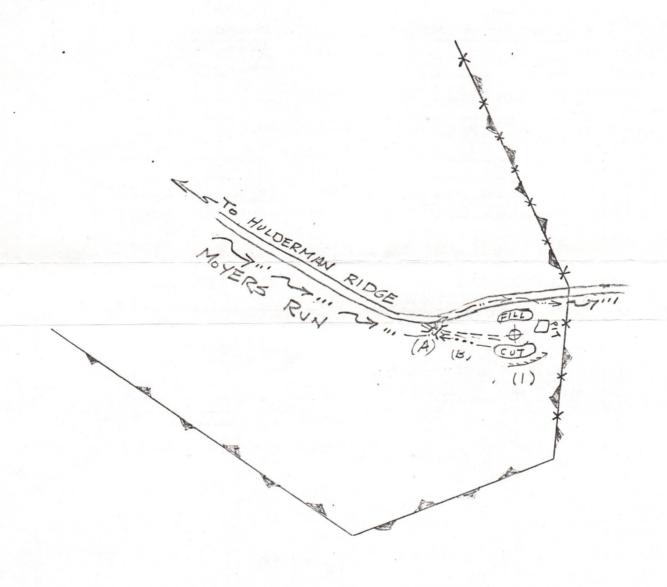
D	ate	June	19	19 80
Well	No	H-	1015	
API	No	47	- 085	- 4860
		State	County	

STATE OF WEST VIRGINIA

TT 1 T	Lieuwan D IIa	urcht
Company Name Haught, Inc	Designated Agent Warren R. Ha	1 26179
Address Smithville, WV 26178	Address Smithville, WV 477-3333	20110
Telephone 477-3333 Landowner J. T. Grubb	Soil Cons District Little K	Canawha
Revegetation to be carried out by	John John Processing	(Agent)
	1	
This plan has been reveiwed by Little		2 P
and additions become a part of this plan	(Date) (SCD AR	ent)
Access Road	Location	
Structure Temporary Stream Crossing	Structure Diversion Ditch	_ (1)
Spacing N/A	Material Around Location	
Page Ref. Manual 1:18	Page Ref. Manual 1:11 /:9	_
Structure Ditch (Drainage) (B) Spacing N/A	Structure	(2)
	Material	_
Page Ref. Manual 1:3 /://	Page Ref. Manual	_
Structure (C)	Structure	
	Material	_
Page Ref. Manual	Page Ref. Manual	-
All structures should be inspected regul	arly and repaired if necessary.	
Revegeta	tion	
Treatment Area I	Treatment Area II	
Lime Tons/acre	Lime T	ons/Acre .
or correct to ph 6.5	or correct to ph	
Fertilizer 500 lbs/acre (10-20-20 or equivalent)	Fertilizer 1 (10-20-20 or equival	bs/acre ent)
	· · · · · · · · · · · · · · · · · · ·	
Melch Hay or Straw 11 to 21 Tons/Acre		ons/Acre
Mulch Hay or Straw 1½ to 2½ Tons/Acre	Mulch T Seed* 1	bs/acre
Kentucky 31 Tall Fescue ÷ 35/acre Red Top 51bs/acre	Mulch T Seed* 1	bs/acre bs/acre
Red Top 5 lbs/acre lbs/acre	Mulch T Seed* 1 1	bs/acre
Red Top 51ts/acre The state of the state	Mulch T Seed* 1 coil and clovers with the proper	bs/acre bs/acre
Red Top 5 lbs/acre lbs/acre	Mulch T Seed* 1 coil and clovers with the proper	bs/acre bs/acre
Red Top 51ts/acre The state of the state	Mulch T Seed* 1 coil and clovers with the proper	bs/acre bs/acre
Red Top 51ts/acre The state of the state	Mulch T Seed* 1 coil and clovers with the proper	bs/acre bs/acre
Red Top 51ts/acre The state of the state	Mulch T Seed* 1 coil and clovers with the proper	bs/acre bs/acre
Red Top Se d* Kentucky 31 Tall Fescue: 35/acre Red Top 1bs/acre 1bs/acre *Inoculate all legumes such as vetch, trefibacterium. Inoculate with 3X recommended	Mulch T Seed* 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bs/acre bs/acre bs/acre
Red Top 51ts/acre The state of the state	Mulch T Seed* 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bs/acre bs/acre bs/acre
Red Top See d* Kentucky 31 Tall Fescue: 35/acre Red Top Sit /acre lbs/acre *Inoculate all legumes such as vetch, trefibacterium. Inoculate with 3X recommended Attach or photocopy section of involved Tallace and the section of involved Tallace	MulchT Seed*	bs/acre bs/acre bs/acre
Red Top Red Top Slt /acre lbs/acre *Inoculate all legumes such as vetch, treft bacterium. Inoculate with 3X recommended Attach or photocopy section of involved To	Mulch To Seed* 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bs/acre bs/acre bs/acre
Red Top Red Top Slt /acre lbs/acre *Inoculate all legumes such as vetch, treft bacterium. Inoculate with 3X recommended Attach or photocopy section of involved To	MulchT Seed*	bs/acre bs/acre bs/acre
Red Top Red Top Slt /acre lbs/acre *Inoculate all legumes such as vetch, treft bacterium. Inoculate with 3X recommended Attach or photocopy section of involved To	Mulch To Seed* 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bs/acre bs/acre bs/acre
Red Top Red Top Slt /acre lbs/acre *Inoculate all legumes such as vetch, treft bacterium. Inoculate with 3X recommended Attach or photocopy section of involved To	Mulch To Seed* 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bs/acre bs/acre bs/acre bs/acre arrisville
Red Top Red Top Slt /acre lbs/acre *Inoculate all legumes such as vetch, treft bacterium. Inoculate with 3X recommended Attach or photocopy section of involved To	Mulch	bs/acre bs/acre bs/acre
Red Top Red Top Slt /acre lbs/acre *Inoculate all legumes such as vetch, tref bacterium. Inoculate with 3X recommended Attach or photocopy section of involved To Legend: Well Site Access Road	Mulch	bs/acre bs/acre bs/acre bs/acre arrisville
Red Top Red Top Slt /acre lbs/acre *Inoculate all legumes such as vetch, treft bacterium. Inoculate with 3X recommended Attach or photocopy section of involved To	Mulch	bs/acre bs/acre bs/acre bs/acre
Red Top Red Top Slt /acre lbs/acre *Inoculate all legumes such as vetch, trefs bacterium. Inoculate with 3X recommended Attach or photocopy section of involved To Legend: Well Site Access Road On Well Well On	Mulch	bs/acre bs/acre bs/acre bs/acre arrisville
Red Top Red Top Slt /acre lbs/acre *Inoculate all legumes such as vetch, tref bacterium. Inoculate with 3X recommended Attach or photocopy section of involved To Legend: Well Site Access Road	Mulch	bs/acre bs/acre bs/acre bs/acre arrisville
Red Top Red Top Slt /acre lbs/acre *Inoculate all legumes such as vetch, trefs bacterium. Inoculate with 3X recommended Attach or photocopy section of involved To Legend: Well Site Access Road On Well Well On	Mulch	bs/acre bs/acre bs/acre bs/acre arrisville

Gas (Well C1002 Diversion
Spring O
Wet Spot O
Building Drain Pipe O
Waterway

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with first part of this plan. Include all natural drainage.



- Comments:	No brush or t	crees on site.	Average Slope of acces	s road 1%.
Commencs.				
Signature:	Wanen 1	O Dlanch	Smithville, WV	477-3333
man man dan casa men men men men dan dan men men men dan dan dan dan dan dan dan dan dan da	Agent	, 0	Address	Phone Number

Please request landowners cooperation to protect new seeding for one growing season.

[08-78]

Date:	September 11	,	19_	80
Operat Well N	** 4045			
	- '005		, ,	

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

WELL OPERATOR'S REFORT OF DRILLING, FRASTYRING AND/OR STIMULATING, OR PHYS<mark>ICAL CHANGE</mark>

						Injection			17				
								Deep/ 3	hallow_X_/	,			
						atershed:							
	istric	t: <u>U</u>	nion		- 3			adrangle: <u>Har</u>	risville, M	NV 7½ 1			
WELL OPERATOR	Цоль	aht .	Inc				rubb H-1015	Warren R	Haught				
Address								Smithville		 8			
Address							A44. T33	Chil City III C	, 2011				
Smithville, WV 26178													
PERMITTED WORK: Drill X / Convert / Drill deeper / Redrill / Fracture or stimulate													
Plug off old formation/ Perforate new formation/													
	Other physical change in well (specify)												
		T	1			90	277 4 616 746	75705 707 707					
								PECTOR FOR THIS					
(IF APPLICAE CONTINU	CUE PE	TRESS	C: FROM	: DEIL	LING	JR.		h Paul Goodn					
REWCRKI					TAINE	ED	Address	Smithville,	WV 26178				
			_, 19										
						-		Depth187		eet			
								able Tools	-				
						et; salt,_							
								the area: No					
Work wa	s comm	enced .	Augus	t 8			and completed	August 12	, 19_5	30			
CASING AND T						H =20=1.6=		H	n	.===			
TUBING TYPE		SFEC.	Weight):.s 		FOOTAGE .	L. LERVALS	CEMENT FILL-UP OR SACKS	FACE	.15			
	Size	Grade	ter ft	New	Used	For drilling	left in well	OR SACKS (Cubic feet					
Conductor	1	-						i	Kinds				
Fresh water	B- 5/8	K-55	20#	X		246'	246'	75 sacks					
Ccal								,	Sices				
Intermediate	11												
Production	4 1/2	J-55	10.5#	X			1885'	100 sacks	Destins set				
Tubing						1000	TRAPP						
Liners							05411	The state of the s	Perforations	s:			
-									Top	Ectto			
						66	AN 1-3 1981		1848	1908			
CPEN FLOW DA	77.6					0.	& CAS DATE						
OPEN PROW DA	- ^			D:	.	DEF	T. OF M	Pay zone desth	1070 to	1025			
										935			
Jā								open flow,					
								pen flòw,					
								ts, <u>8</u> hours					
							measurement)	after 12 hou	rs shut in				
						tion]							
								Pay some depth					
Ga								open flow,					
								pen flow,					
								ts, hours	•	-			
St	atio ro	nk pre	ssure,		₽	sig (surface :	measurement;	after how	rs shut in				

(Reverse)

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

Water Fraced by Halliburton on 9-9-80--453 Bbls. Water

20/40 Mesh Sand--18,000Lbs--80/100 Mesh Sand 6,000Lbs 500 Gal. Acid

Perforations: 12--1848--1908

ELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Including indication and salt water, coal,	of all fresh
urface Run	00101	3010	Top reet	1660	and said water, coal,	O++ 8110 P42
Slate			250 .	280		
ed Rock			280	332		
			332	363		•
Slate			363	411		
Sand/Slate			411	424		-
Red Rock				1		
ed Rock/Slate			424	445		
Slate			445	498		
Sand			498	538		
Slate			538	552		
Sand			552	570		
Red Rock			570	580		
Slate			580	610		
Red Rock			610	618		
Sand			618	640		
Red Rock			640	750		
Slate			750	767		
Red Rock			767	800		
Slate			800	835		
Red Rock			835	900		
Slate			900	975		
Shale			. 975	1050		
Red Rock			1050	1080		
Slate			1080	1100		
Sand			1100	1195		
Slate	4		1195	1207		
Sand			1207	1215		
Slate			1215	1226		
Red Rock			1226	1248		
Sand			1248	1252		
Red Rock			1252	1273		
Sand _			1273	1311		
Red Rock			1311	1322		
Sand			1322	1386		
Slate			1386	1415		
Sand			1415	1456		
Slate			1456	1567		
Sand/Slate		1	1567	1596		
Sand			1596	1633		
Slate			1633	1644		
Sand/Slate			1644	1691		
Slate			1691	1711		
Sand			1711	1769		
Lime			1769	1875		
Shale			1875	1879		
Sand			1879	1935		
			1935	2025	T.D.	
Slate			1933	2025	1.2.	

OTE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geologial record of all formations, including coal, encountered in the

Haught, Inc.

By Warren P. Daught

Its President

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

Permit No. K.t. 48	60				Oil or Gas Well		
Company Haugh	6t INC		CASING AND	USED IN DRILLING	Left in Well	PACKERS	
Address			Size			,	
FarmJ. T	Grubb		16			Kind of Packer	
Well No. H-	1015		13				
District UNION	County K	Pitchie	81/4			Size of	
Drilling commenced			6%			Depth set	
Drilling completed	Total depth	1	5 3/16				
Date shot			2	1		Perf. top	
Initial open flow			Liners Used			Perf. bottom	
Open flow after tubing_						Perf. bottom	
Volume			CASING CEMEN	TED	SIZE	No. FTDat	
lock pressure			NAME OF SERV			No. FTDat	
Dil			COAL WAS ENC	COUNTERED	AT E	FFT INCHES	
'resh water							
alt water							
						DD1INCHES	
Orillers' Names Ho				<i>a</i> ,			
emarks:	lene L. Hang	, 41 : 5	ons k	Poton -	Air		
	DEC	ENTRES					
	Alic 1	ACO	- 125				
	PAL C GAS I	19813-19	- 125'				
8-8-00	OIL & GAS L	MINES					
BATE				BAY	ollny	14 505	

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No.				We	II No	
COMPANY			ADDRESS			
ARM	778.	DISTRICT	Γ(COUNTY	dura	
lling Material Used						
ner Loc	cation	Amount	Packer	Location	T 1	
PLUGS USED A	ND DEPTH PLACED	-	BRIDGES	CASIN	IG AND TI	JBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOST
				X year		
	N P P P P P					
		1				
					- 2 2 2	
		-9.6				£ 41
		-	4			
lers' Names						
		W				. ,
arks:	,			J. 15 - 4-17	1.3	
		risited the above				

INSPECTOR'S PERMIT SUMMARY FORM

WELL TYPE				API# 47-083 - 4860						
ELEVATION	852	12397		OPERATOR HAUGHT, FNC						
DISTRICT OA	NION					/				
QUADRANGLE #	APRISU	ILLE	7.5	_						
COUNTY R17			WEL	L # H-	1015					
SURFACE OWNE	ER			COMMENT	'S	TELE	PHONE			
TARGET FORMA			DATE AF	PLICATION	N RECEIVED_					
DATE STARTEL)						MMENCED <u>8-8-80</u>			
WATER DEPTHS	5	,		,	,					
COAL DEPTHS		,								
				CASIN	G					
Ran	feet	of _		"pipe	on	with	fill up			
Ran	feet	of _		"pipe	on	with	fill up			
Ran	feet	of _				with	fill up			
Ran	feet	of _		"pipe	on		fill up			
							OIL AND LAS			
TD	feet	on								
				PLUGGI	NG		MAY 6 1986			
							MA			
Type		T	Fro	om	То		Pipe Removed			
		-			20 7 8					
		+								
		+								
		-								
		-								
Pit Discharg										
Field analys			ph		e	_ c1				
Well Record	received	1								
Data Dal	1 5-0	81								
Date Release	ed o a	06		-						

API# 47<u>085</u> - 4860

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1	8-8-80		Visit by Paul	Goodnight 125 fout dep atwise cel Hersman - Made Find Elnspection
2	8-8-80 5-2-86		Visit by Some	cel Hersman - Made Find
5			. 0	cluspection
Ł				
5				
3				
7				
3				
)				
)				
-	ni i			
			All your services	
3	¥	J		
		at a second		
)				
5			Fa.	
7		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
3				
)				
)				

Notes

