

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

January 08, 2014

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-8510083, issued to HAUGHT ENERGY CORPORATION, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: W 1644

Farm Name: ADKINS, JAMES, . ET AL

API Well Number: 47-8510083

Permit Type: Vertical Well

Date Issued: 01/08/2014

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

- 1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 2. Pursuant to 35 CSR § 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
- 3. Pursuant to 35 CSR § 4-19.1.c, if the operator is unable to sample and analyze any water well or spring within one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
- 4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
- 7. Well work activities shall not constitute a hazard to the safety of persons.

WW - 2B (Rev. 8/10)

Sizes: NA
Depths Set NA

8510683 CK 3977

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

\ \Mall Operat							
) Well Operat	or: Haug	ht Energ	y Corporation	494494463	Ritchie	Union	Harrisville
				Operator ID	County	District	Quadrangle
) Operator's V	Vell Numb	oer: W-16	44		3) Elevation:	1010'	
) Well Type: (a) Oil <u>X</u>	or Ga	as X				
(b) If Gas:	Produ	iction X / Un	derground Sto	rage		
		Dee	o/ S	Shallow X	_		
			Benson/ Alexand				00'
) Proposed To) Approximate				Formation at I	Proposed Total	al Depth: Elk	
) Approximate							
) Approximate	e coal sea	m depth	S: None Noted in	Offset Wells	· ·		
					Officet Molle		
0) Approxima	te void de	pths,(co	al, Karst, other):	None Noted in	Offset vveils		-
1) Does land	contain co	oal seam	s tributary to ac	tive mine? N	lo :		
O) D ::		0	16		u - 1 - 5 de	RECEI	VED
2) Describe pro	oposed we	II Work ar	nd tracturing metr	nods in detail (a	ittach additions		
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WW-2A (Rev. 6-07)

1). Date: 12-9-2013

2.) Operator's Well Number W-1644

State County Permit

3.) API Well No.: 47- 085 -

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE AND APPLICATION FOR A WELL WORK PERMIT

(a) Name						
A 1.1	James T. & Mary Lou Adkin	s V	_ Name	None		
Address	PO Box 235		Address	-		
(h) Nama	Harrisville, WV 26362		- (b) Cool (Owner(s) with D	coloration	
(b) Name Address			_ (b) Coal C	NA NA	eciaration	
Address			Address	INA		
			_ Address	-		
(c) Name			Name	-		
Address			Address	-		
6) Inspector	David Cowan		(c) Coal L	essee with Dec	laration	
Address	1597 Devil Hole Road		Name	NA		
	Harrisville, WV 26362		Address			
Telephone						
				AKE NOTICE		
	e lease or leases or o	ther continuing	contract or contr	racts by which I h	old the right to extract o	il and gas
<u>OR</u>			1000			
					de of West Virginia (see	
					e served copies of this	
application, a local				ough on the	above named parties by:	
	Personal Servic					
V	Certified Mail (P	ostmarked post	al receipt attach	/he		
^				su)		
	Publication (Not	ice of Publication	n attached)			
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The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Ritchie	•	10/ 404	A
Operator Haught Energy Corporation	Operator's Well Num	ber <u>VV-164</u>	4
INSTRUCTIONS TO C	OAL OPERATOR, OW	NER, OR LES	SEE
To the coal operator, owner, or less any objection you wish to make or are receivith the Chief of the Office of Oil and Gaby the Office. Mail objections to:	quired to make by WV	Code 22-6-15,	16 or 17, must be filed
Chief, Office of Oil and Gas Department of Environmental Protection 601 57 th St. SE Charleston, WV 25304 (304) 926-0499 extension 1654	ł		
	WAIVER		
location, the well location has been added work proposed to be done at this location requirements of the West Virginia Code a	, provided, the well open nd the governing regula	erator has com ations.	has no objection to the plied with all applicable A CORPORATION, ETC.
	Company		
Signature Date	By Its		Date
	· -	Signature	Date
*No Coal Operators Located on property		•	RECEIVED Office of Oil & Gas
			DEC 1.6 2013
	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Er	WV Department of nvironmental Protection

WW.	-2A1	
(Rev.	1/11)

Operator's	Well Num	ber W-1644
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INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6, Section 8(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Haught Family Trust	Whittle Corporation	1/8	245/660

Whittle Corporation is a wholly owned subsidiary of Haught Energy Corporation and as owner of Whittle Corporation, Haught Energy Corporation has full right to drill and complete an oil and gas well on the above property with leases taken and agreements put into place by Whittle Corporation. (Agreement Attached)

Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit app licant for the proposed well work add ressed in this application he reby a cknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides replaced nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be ac quired from the appropriate aut hority before the affected activity is initiated.

Well Operator: By: Its:

laught Energy	Corporation /	- martment of
Warren-	R. Haugh	av Departing thatia
gent	Fnvi	ronmental Protection

AGREEMENT

THIS AGREEMENT, Made this 1st day of December, 2010, by and between Whittle Corporation, HC 68 Box 14, Smithville, WV 26178 as party of the First part and Haught Energy Corporation, HC 68 Box 14, Smithville, WV 26178 as Party of the second part.

WHEREAS:

Haught Energy Corporation is the parent company of Whittle Corporation.

WITNESSETH:

Whittle Corporation gives Haught Energy Corporation the right to operate and develop any leases that are owned by Whittle Corporation within the State of West Virginia.

IN WITNESS WHEREOF, the Parties have caused this Assignment to be properly executed the day and year first above written.

Whittle Corporation

Name: Warren R. Haught

Title: President

Haught Energy Corporation

Name: B. Douglas Haught

Title: President

STATE OF WEST VIRGINIA

COUNTY OF RITCHIE

BE IT KNOWN, that on this 1st day of December, 2010, before me, the undersigned authority, personally came and appeared WARREN R. HAUGHT appearing herein in his capacity as the PRESIDENT of WHITTLE CORPORATION, to me personally know to be the identical person whose name is subscribed to the foregoing instrument as the said officer of said corporation, and declared and acknowledged to me, Notary, that he executed the same on behalf of said corporation, and that the said instrument is the free act and deed of the said corporation and was executed for the uses, purposes and benefits therein expressed.

NOTARY PUBLIC

NOTAN PARLE OFFICIAL SEAL ROBERT J. HAUGHT State of West Virginia My Comarission Expires March 23, 2019 113 Crestwood Dr. Parkersburg, WV 26104

STATE OF WEST VIRGINIA

COUNTY OF RITCHIE

BE IT KNOWN, that on this 1st day of December, 2010, before me, the undersigned authority, personally came and appeared B. DOUGLAS HAUGHT appearing herein in his capacity as PRESIDENT of HAUGHT ENERGY CORPORATION, to me personally know to be the identical person whose name is subscribed to the foregoing instrument as the said officer of said corporation, and declared and acknowledged to me. Notary, that he executed the same on behalf of said corporation, and that the said instrument is the free act and deed of the said corporation and was executed for the uses, purposes and benefits therein expressed.

NOTARY PUBLIC

This Document Prepared by:

Whittle Corporation HC 68 Box 14 Smithville, WV 26178 NOTURY PUBLIC OFFICIA SEAL
ROBERT J. HAUGHT
State of West Visylinia
My Commission Expires March 23, 2019
119 Crestmood Dr. Parkensborg, WV 25/04

WW-2B1
(5-12)

Well	No.	W-1644	
	-		

West Virginia Department of Environmental Protection Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name Microbac Laboratories Sampling Contractor 158 Starlight Dr, Marietta, OH 45750

Well Operator

Haught Energy Corporation

Address

12864 Staunton TPKE

Smithville, WV 26178

Telephone

304-477-3333

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

·	
No water wells within 1000 feet of proposed location, wil	I sample water source within 2,000 fear well by e
No water wells within 1000 feet of proposed location, will Surfaces owners Contacted:	Office of Oli a Com
toward C Adams I am Adhina	Ollies

James T. & Mary Lou Adkins

PO Box 235

Harrisville, WV 26362

DEC 1.6 2013

WV Department of Environmental Protection

01/10/2014

WW-9 (5/13)

	Page	of
API Number 47 - 085		
Operator's Well	No. W-1644	

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No	District Union Yell work? Yes No _X So, what ml.? 20 mil ation) District Union No _X So, what ml.? 20 mil District No _X So, what ml.? 20 mil ENERAL WATER POLLUTION PERMIT issue of Environmental Protection. I understand that the ition of the general permit and/or other applicable
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes	so, what ml.? 20 mil ation) Pit ne, sawdust) Lime ENERAL WATER POLLUTION PERMIT issue of Environmental Protection. I understand that the ition of the general permit and/or other applicable.
Will a pit be used for drill cuttings? Yes X No If so, please describe anticipated pit waste: Will a synthetic liner be used in the pit? Yes X No If so, what ml.? 20 mil Proposed Disposal Method For Treated Pit Wastes: Land Application Underground Injection (UIC Permit Number Reuse (at API Number Offs the Disposal (Supply form WW-9 for disposal location) Ofter (Explain Other (Explain In	so, what ml.? 20 mil ation) ation) Pit ne, sawdust) Lime ENERAL WATER POLLUTION PERMIT issue of Environmental Protection. I understand that the ition of the general permit and/or other applicab
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	of those individuals immediately responsible to complete. I am aware that there are significationment.
Company Official Signature Name R. Haught BECEIV	RECEIVED Gas
Company Official (Typed Name) Warren Haught	Office of Oll &
Company Official Title Agent	- + c 2013
DEC T-0	DEC 10 2

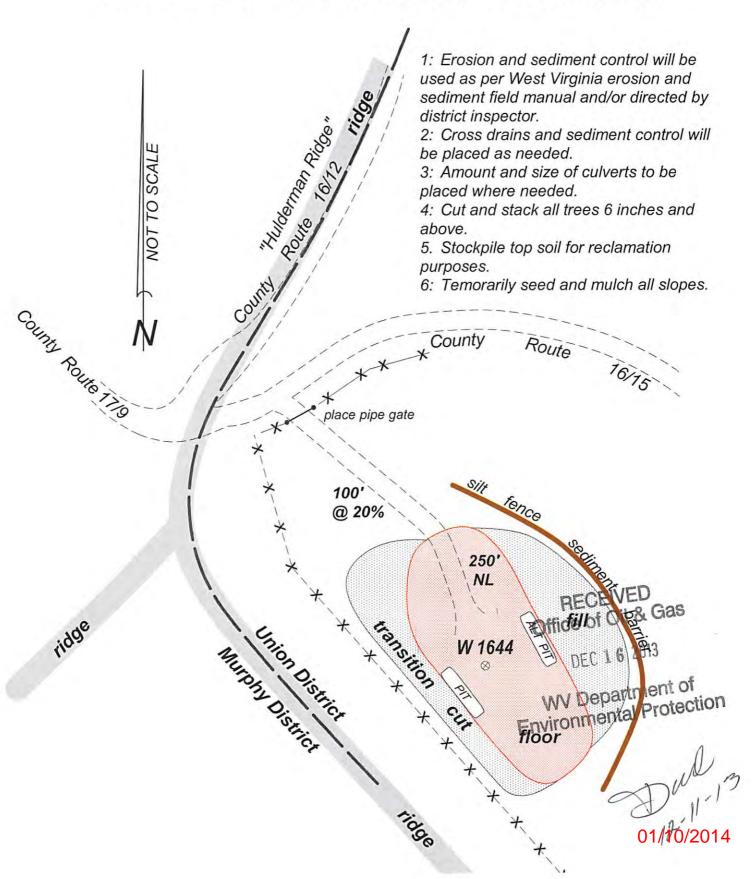
Form WW-9	Operator's Well No. W-1644
Proposed Revegetation Treatment: Acres Disturbed 2.5 AC Lime 2 Tons/acre or to correct to pH	
Fertilizer (10-20-20 or equivalent) 600 lbs. Mulch 90 bales Tons/a	/acre (500 lbs:minimum)
Seed	d Mixtures
Seed Type Area I lbs/acre Pasture Mix 100	Seed Type Area II Pasture Mix 100
(Orchard Grass, Rye Grass, Timothy, Clover)	(Orchard Grass, Rye Grass, Timothy, Clover)
Attach: Drawing(s) of road, location,pit and proposed area for land app Photocopied section of involved 7.5' topographic sheet.	lication.
Plan Approved by: Dand w Can Comments: Present muld all	ail area mantain al
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1000	
Title: alygas suspector	Date: 12-11-13
Field Reviewed? () Yes (No RECEIVED Office of Oil & Gas

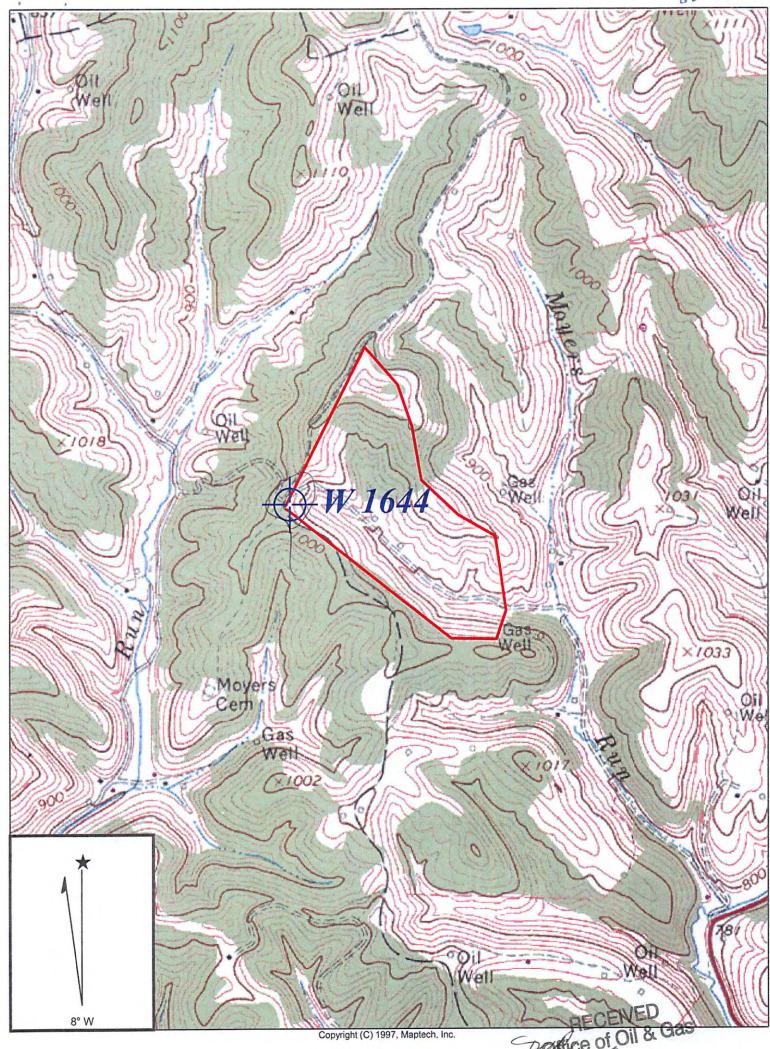
DEC 1.6 2013

WV Department of Environmental Protection 01/10/2014

Haught Energy, Inc. Well: W 1644

Haught Family Trust & Spruce Creek 83 Acre Lease Union District Ritchie County West Virginia





HARRISVILLE QUADRANGLE

SCALE 1" = 1000'

WV Department of Environmental 84910/2014 HAUGHT ENERGY

WELL: W-1644 83 ACRE UNIT HAUGHT FAMILY TRUST & SPRUCE GROVE CHURCH

UNION DISTRICT

RITCHIE COUNTY

WEST VIRGINIA

DEC 1.6 2013