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 07, 2015

WELL WORK PERMIT

Re-Work

This permit, API Well Number: 47-8509821, 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 1599
Farm Name: GOFF, E.D. & BURNETTE, LAVOI
API Well Number: 47-8509821
Permit Type: Re-Work
Date Issued: 01/07/2015

Promoting a healthy environment.

8509821W

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 with 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.

8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

CK 4110
$650.00

WW - 2B
(Rev. 8/10)

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

1) Well Operator:	Haught Energy Corporation	494494463	Ritchie (85)	Murphy (3)	Smithville (612)
		Operator ID	County	District	Quadrangle

2) Operator's Well Number: W-1599 3) Elevation: 1013'

4) Well Type: (a) Oil X or Gas X

(b) If Gas: Production X / Underground Storage _____

Deep _____ / Shallow _____

5) Proposed Target Formation(s): Lower Devonian/ Benson/ Alexander Proposed Target Depth: 4500' - 6000'
6) Proposed Total Depth: 6290' Feet Formation at Proposed Total Depth: Onondoga Lime
7) Approximate fresh water strata depths: 150'
8) Approximate salt water depths: None

9) Approximate coal seam depths: None

10) Approximate void depths,(coal, Karst, other): None

11) Does land contain coal seams tributary to active mine? No

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)
Rework existing well by placing a packer to seal off the Marcellus formation then perforate and fracture several lower devonian formations including the Benson and Alexander Formations. A three stage Nitrogen frac will be used and approx. 750,000 SCF of Nitrogen shall be used on each stage.

13) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	13-3/8"	K-55	43.6#	Existing	21'	Existing
Fresh Water	9-5/8"	K-55	26#	Existing	297'	Existing
Coal	NA	NA	NA	NA	NA	NA
Intermediate	7"	K-55	17#	Existing	1985'	Existing
Production	4-1/2"	K-55	10.5#	Existing	6295'	Existing
Tubing						
Liners						

Packers: Kind: Tension Packer
Sizes: 4-1/2"
Depths Set 6100'

Received
Office of Oil & Gas
NOV 13 2014

Due 10-5-14

8509821W

WR-35
Rev (5-01)

DATE: May 19, 2010
API # : 47-085-09821

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Goff, Eric D. Operator Well No.: W-1599

LOCATION: Elevation: 1013' Quadrangle: Smithville

District: Murphy County: Ritchie
Latitude: 180 Feet South of 39 Deg. 05 Min. Sec.
Longitude 7120 Feet West of 81 Deg. 00 Min. Sec.

Company: Trans Capital Investment Whittle Corporation	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: HC 68 Box 14				
Smithville, WV 26178				
Agent: Warren R. Haught	13 3/8"	21'	21'	
Inspector: David Cowan				
Date Permit Issued: 07/08/09	9 5/8"	297'	297'	Filled to surface
Date Well Work Commenced: 07/15/09				
Date Well Work Completed: 09/01/09	7"	1985'	1985'	180 sks
Verbal Plugging:				
Date Permission granted on:	4 1/2"		6295'	205 sks
Rotary Cable Rig				
Total Depth (feet): 6284'				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.):				

Top of Cement around 4.5" casing is located at approximately 3,350 feet according to cement bond log.

OPEN FLOW DATA

Producing formation Marcellus Shale Pay zone depth (ft) 6190' – 6262'
Gas: Initial open flow Show MCF/d Oil: Initial open flow ___ Bbl/d
Final open flow 800 MCF/d Final open flow ___ Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 2550 psig (surface pressure) after 24 Hours

Second producing formation ___ Pay zone depth (ft) ___
Gas: Initial open flow ___ MCF/d Oil: Initial open flow ___ Bbl/d
Final open flow ___ MCF/d Final open flow ___ Bbl/d
Time of open flow between initial and final tests ___ Hours
Static rock Pressure ___ psig (surface pressure) after ___ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Trans-Capital Investment/ Whittle Corp.
By: Warren R. Haught
Date: 5/19/2010

RECEIVED
Office of Oil and Gas

JAN 07 2015

WV Department of
Environmental Protection

8509821W

WR-35
Rev (5-01)

DATE: May 19, 2010
API # : 47-085-09821

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Goff, Eric D. Operator Well No.: W-1599

LOCATION: Elevation: 1013' Quadrangle: Smithville

District: Murphy County: Ritchie
Latitude: 180 Feet South of 39 Deg. 05 Min. Sec.
Longitude 7120 Feet West of 81 Deg. 00 Min. Sec.

Company: Trans Capital Investment Whittle Corporation	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: HC 68 Box 14				
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Agent: Warren R. Haught	13 3/8"	21'	21'	
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Date Well Work Completed: 09/01/09	7"	1985'	1985'	180 sks
Verbal Plugging:				
Date Permission granted on:	4 1/2"		6295'	205 sks
Rotary Cable Rig				
Total Depth (feet): 6284'				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.):				

OPEN FLOW DATA

Producing formation Marcellus Shale Pay zone depth (ft) 6190' – 6262'
Gas: Initial open flow Show MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 800 MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 2550 psig (surface pressure) after 24 Hours

Second producing formation ____ Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow ____ MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure ____ psig (surface pressure) after ____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Trans-Capital Investment/ Whittle Corp.
By: Warren R. Haught
Date: 5/19/2010

Received
Office of Oil & Gas
NOV 13 2014

8509821W

Goff W-1599

API # 47-085-09821

Formation	Top	Bottom	Remarks
Red Rock & Shale	0	640	
Sand	640	675	
Red Rock	675	725	
Sand	725	750	
Red Rock	750	770	
Slate	770	970	
Dunkard Sand	970	975	
Slate & Shells	975	1316	
Gas Sand	1316	1425	
Slate	1425	1506	
1st Salt Sand	1506	1516	
Shale	1516	1544	
2nd Salt Sand	1544	1576	
Shale	1576	1652	
3rd Salt Sand	1652	1674	
Slate	1674	1730	
Maxon Sand	1730	1848	
Shale	1848	1935	
Little lime	1935	1950	
Pencil Cave	1950	1948	
Big Lime	1948	2072	
Big Injun Sand	2072	2110	Gas 2096-2108'
Slate Break	2110	2120	
Squaw Sand	2120	2128	
Slate & Shells	2128	2152	
Coffee Shale	2152	2482	
Berea Sand	2482	2540	
Slate & Shells	2540	2680	
Sand	2680	2690	
Slate & Shells	2690	2838	
Sand	2838	2850	
Slate & Shells	2850	4510	
Benson Sand	4510	4516	
Slate & Shells	4516	5480	
Alexander Sand	5480	5500	
Slate & Shells	5500	6190	
Hamilton Shale	6190	6212	
Tully Lime	6212	6222	
Marcellus Shale	6222	6264	Gas Show 6250'
Onondaga Lime	6264		
TD	6284		

Received
Office of Oil & Gas
NOV 13 2014

8509821W

Goff W-1599
API # 47-085-09821

Perforated by: Superior Well Services 8/12/09
53 Perfs 6190' – 6262'

Fraced by: Universal Well Services, Inc. 8/18/09
2,000 bbl water 2,800 lb sand

Received
Office of Oil & Gas
NOV 13 2014

8509821W

WW-2A
(Rev. 6-14)

1). Date: 10-31-2014

2.) Operator's Well Number W-1599

3.) API Well No.: State 47- County 085 - Permit 09821

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

4) Surface Owner(s) to be served:
(a) Name Eric D. Goff A/W
Address 1661 Hazelgreen Road
Harrisville, WV 26362
(b) Name Haught Farms LLC A/W
Address 201 E. Main Street
Harrisville, WV 26362
(c) Name
Address

5) (a) Coal Operator
Name
Address
(b) Coal Owner(s) with Declaration
Name
Address
Name
Address
(c) Coal Lessee with Declaration
Name
Address

6) Inspector David Cowan
Address 1597 Devil Hole Road
Harrisville, WV 26362
Telephone 304-389-3509

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

___ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR

x Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties by:

X Personal Service (Affidavit attached)
___ Certified Mail (Postmarked postal receipt attached)
___ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
BRAD L MORRIS
276 SCENIC HILLS
PARKERSBURG, WV 26104
My Commission Expires May 12, 2024

Well Operator Haught Energy Corporation
By: Warren R. Haught
Its: Agent
Address: 12864 Staunton TPKE
Smithville, WV 26178
Telephone: 304-477-3333
Email: rhaught@haughtenergy.com

Received
Office of Oil & Gas
NOV 13 2014

Subscribed and sworn before me this 29th day of OCTOBER, 2014

Brad L Morris Notary Public

My Commission Expires MAY 12, 2024

Oil and Gas Privacy Notice

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

8509821W

WW-2A Surface Waiver

SURFACE OWNER WAIVER

County Ritchie

Operator Haught Energy Corporaiton

Operator well number W-1599

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

1) The proposed well work will constitute a hazard to the safety of persons.
2) The soil erosion and sediment control plan is not adequate or effective;
3) Damage would occur to publicly owned lands or resources;
4) The proposed well work fails to protect fresh water sources or supplies;
5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through ___ including a work order on Form WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

Signature Date 11/10/14

ERIC D. GOFF

Print Name

FOR EXECUTION BY A CORPORATION, ETC.

Company Name

By

Its Date

Signature Date

Received
Office of Oil & Gas
NOV 13 2014

8509821W

WW-2A Surface Waiver

SURFACE OWNER WAIVER

County Ritchie

Operator Haught Energy Corporaiton

Operator well number W-1599

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Department of Environmental Protection
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I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

_____ Date _____
Signature

_____
Print Name

FOR EXECUTION BY A CORPORATION, ETC.

Company Name _____

By _____

Its MANAGER 11-5-14
Date

HAUGHT FARMS LLC 11-5-14
Signature Date

Received
Office of Oil & Gas
NOV 13 2014

8509821W

WW-2A1
(Rev. 1/11)

Operator's Well Number W-1599

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	12.5%	248/559

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 applicant for the proposed well work addressed in this application hereby acknowledges 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, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Received
Office of Oil & Gas
NOV 13 2014

Well Operator: Warren R. Haught
By: Its: HAUGHT ENERGY CORPORATION
AGENT

850982 | W

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

NOTARY PUBLIC OFFICIAL SEAL
ROBERT J. HAUGHT
State of West Virginia
My Commission 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

NOTARY PUBLIC OFFICIAL SEAL
ROBERT J. HAUGHT
State of West Virginia
My Commission Expires March 23, 2019
113 Crestwood Dr. Parkersburg, WV 26104

This Document Prepared by:

Whittle Corporation
HC 68 Box 14
Smithville, WV 26178

Received
Office of Oil & Gas
NOV 13 2014

8509821 W

WW-9
(5/13)

Page _____ of _____

API Number 47 - 085 - 09821
Operator's Well No. W-1599

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Haught Energy Corporaiton OP Code 494494463

Watershed (HUC 10) Spruce Creek Quadrangle Smithville

Elevation 1013' County Ritchie District Murphy

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes _____ No X

Will a pit be used for drill cuttings? Yes _____ No X

If so, please describe anticipated pit waste: Will have a pit on site to catch any flow - back

Will a synthetic liner be used in the pit? Yes X No _____ If so, what ml.? 20Mil

Proposed Disposal Method For Treated Pit Wastes:

_____ Land Application
■ Underground Injection (UIC Permit Number UIC - 2D0859721)
_____ Reuse (at API Number _____)
_____ Off Site Disposal (Supply form WW-9 for disposal location)
_____ Other (Explain _____

Will closed loop system be used? No

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. None

-If oil based, what type? Synthetic, petroleum, etc. None

Additives to be used in drilling medium? None

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. None

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) NA

-Landfill or offsite name/permit number? NA

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Warren R. Haught

Company Official (Typed Name) Warren R. Haught

Company Official Title Agent

Received
Office of Oil & Gas
NOV 13 2014

Subscribed and sworn before me this 29th day of OCTOBER, 20 14

Brad L Morris Notary Public

My commission expires MAY 12, 2024

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
BRAD L MORRIS
276 SCENIC HILLS
PARKERSBURG, WV 26104
My Commission Expires May 12, 2024

8509821W

Form WW-9

Operator's Well No. W-1599

Proposed Revegetation Treatment: Acres Disturbed 2.5 Prevegetation pH 6.0

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 600 lbs/acre (500 lbs minimum)

Mulch 90 bales Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Pasture Mix	100	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 application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [signature]

Comments: maintain all E&S during operation

Title: oil & gas inspector Date: 11-5-14

Field Reviewed? (✓) Yes ( ) No

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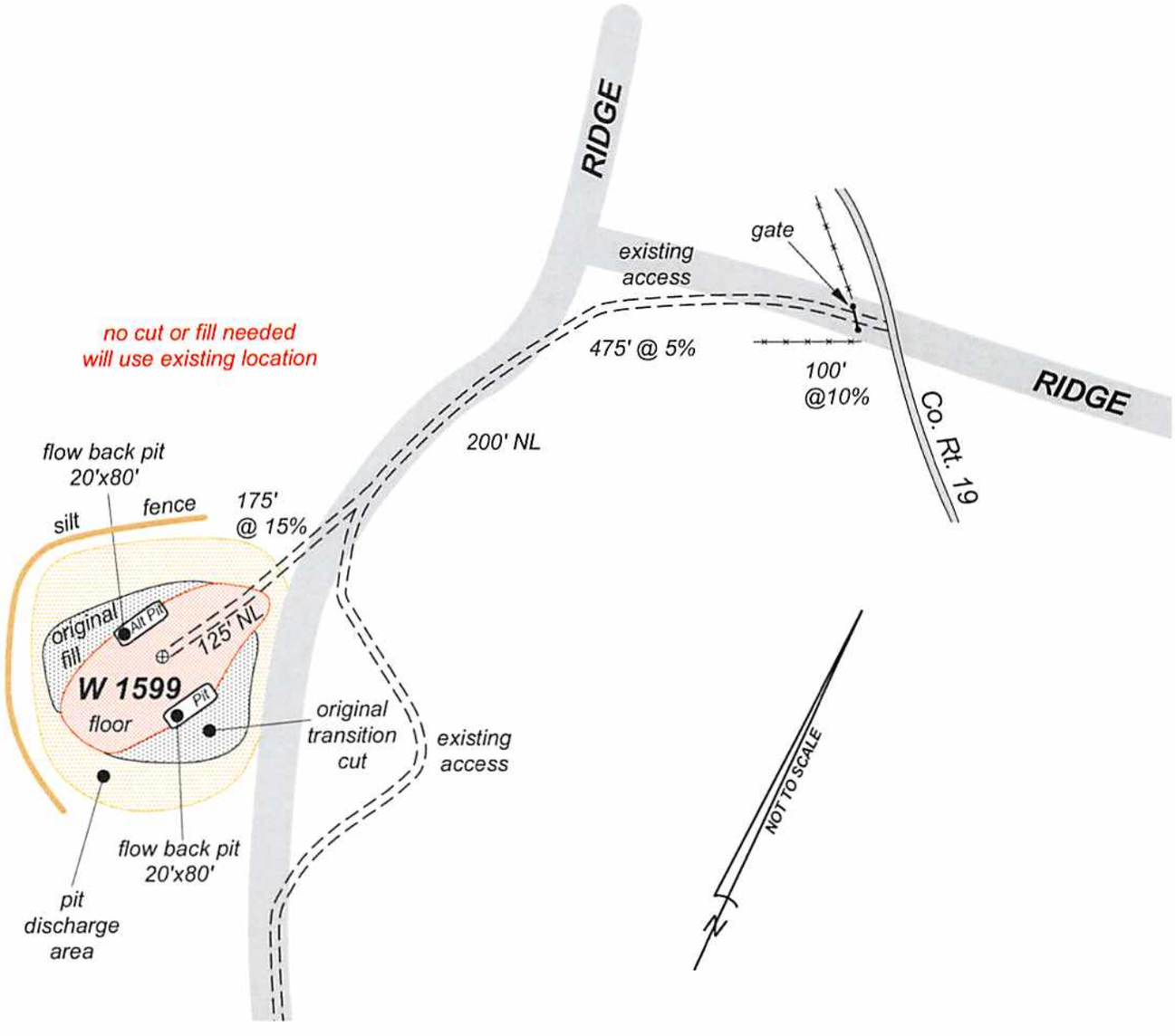
NOV 13 2014

. 8509821W

HAUGHT ENERGY CORP.
Well: W-1599 API 47-085-09821
Haught Family Trust & Eric D. Goff 129 1/2 Acre Lease
Murphy District Ritchie County West Virginia



1: Erosion and sediment control will be used as per West Virginia erosion and sediment field manual and/or directed by district inspector.
2: Cross drains and sediment control will be placed as needed.
3: Amount and size of culverts to be placed where needed.
4: Cut and stack all trees 6 inches and above.
5. Stockpile top soil for reclamation purposes.
6: Temporarily seed and mulch all slopes.

11-5-14

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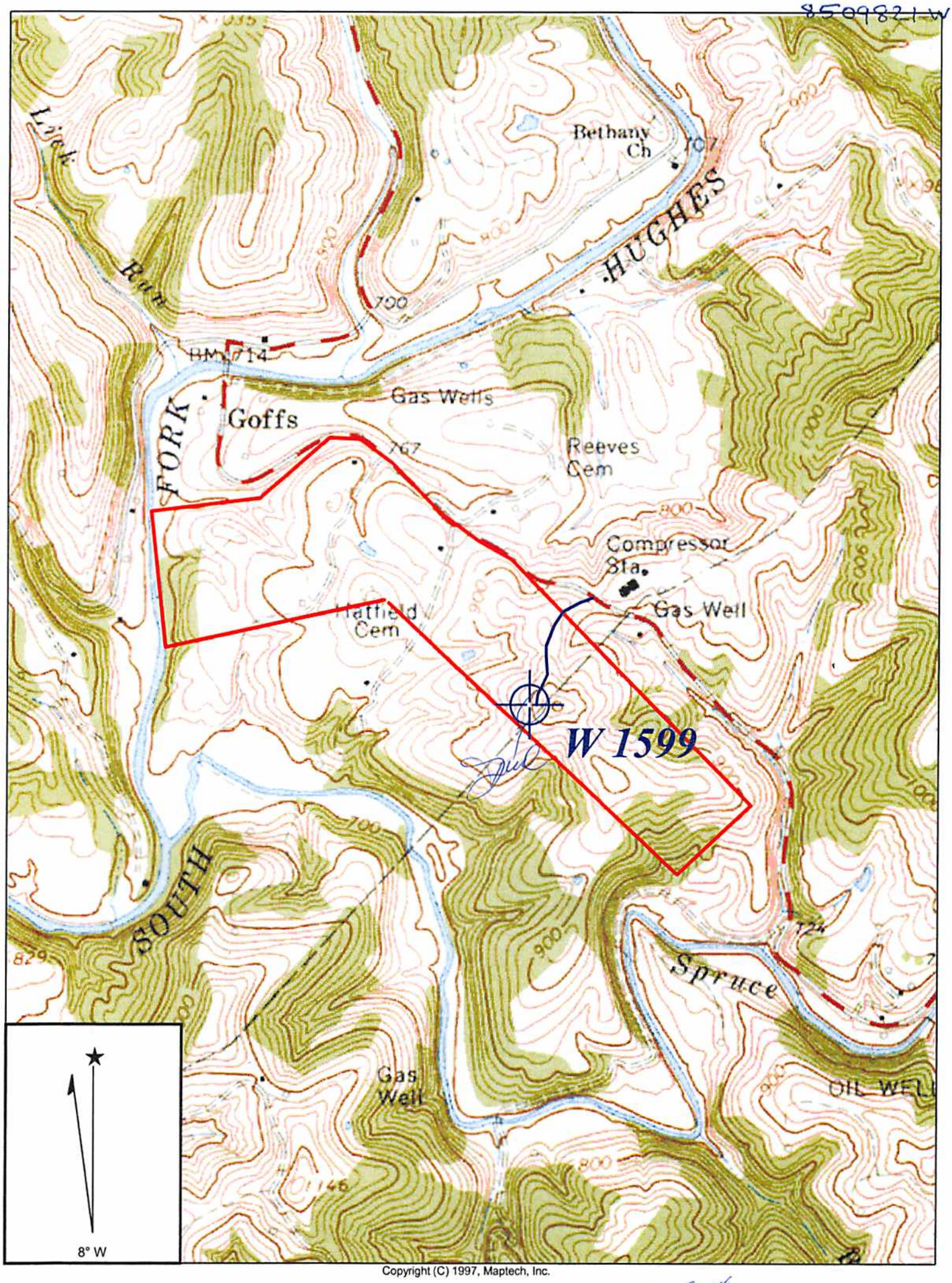
Office of Oil & Gas
NOV 13 2014

8509821-W



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11-5-14

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NOV 13 2014

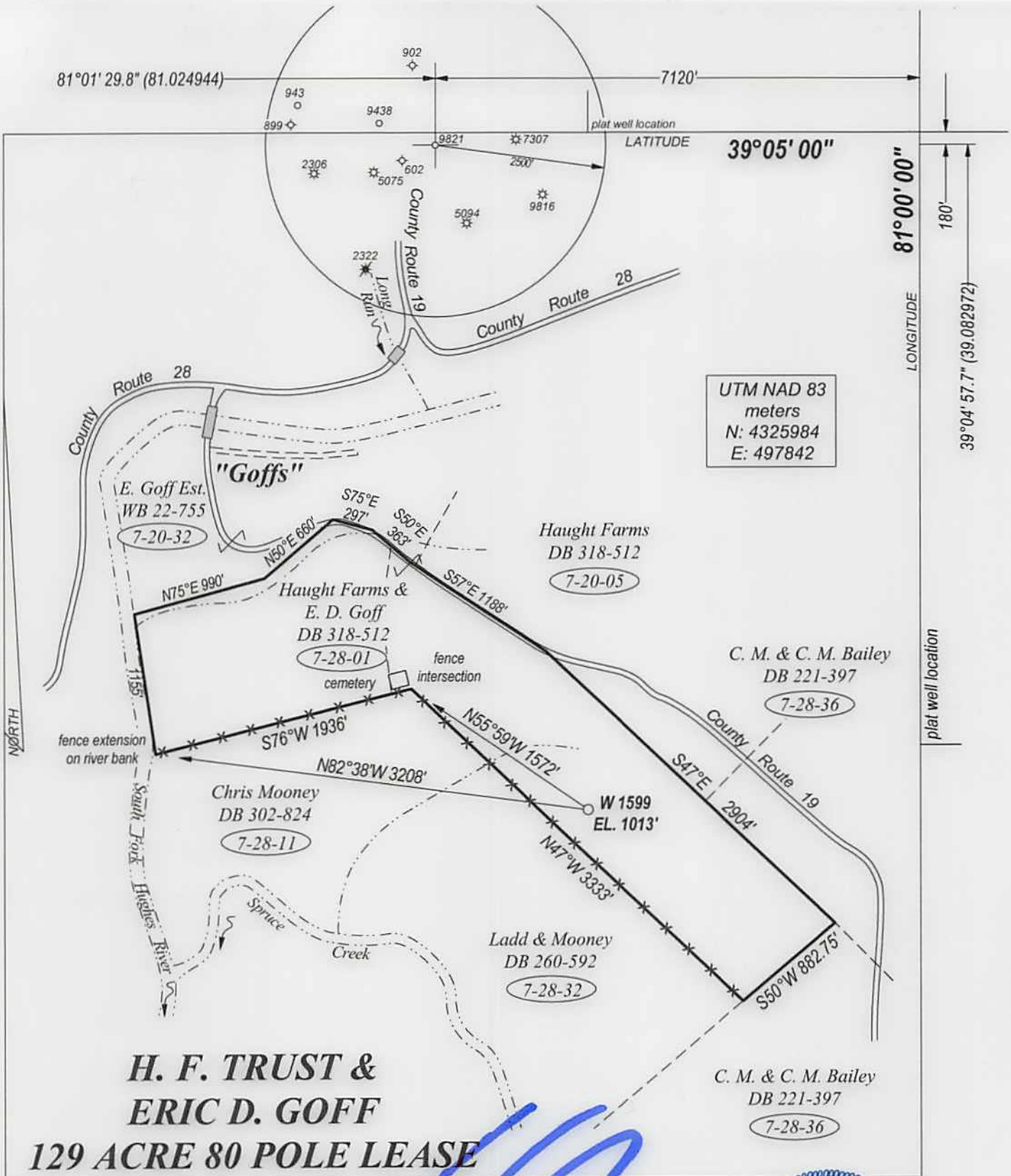
SMITHVILLE QUADRANGLE

SCALE 1' = 1000'

HAUGHT ENERGY CORP.

WELL: W 1599 API 49-085-09821
H. F. TRUST & ERIC D. GOFF 129 ACRE 80 POLE LEASE

MURPHY DISTRICT RITCHIE COUNTY WEST VIRGINIA



H. F. TRUST & ERIC D. GOFF 129 ACRE 80 POLE LEASE

FILE NO.
DRAWING NO.
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1 : 200
PROVEN SOURCE OF ELEVATION GPS OBSERVATION

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

(SIGNED) PROFESSIONAL SURVEYOR: 551

WILLIAM R. MOSSOR LICENSED No. 551 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

DATE OCTOBER 27TH, 2014
OPERATORS WELL NO. W-1599

API 47 - 085 -09821 W
STATE COUNTY PERMIT

WELL TYPE: OIL XX GAS XX LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF GAS) PRODUCTION XX STORAGE ___ DEEP ___ SHALLOW XX

LOATION: ELEVATION 1013' WATER SHED SPRUCE CREEK & SOUTH FORK HUGHES RIVER
DISTRICT MURPHY COUNTY RITCHIE QUADRANGLE SMITHVILLE

SURFACE OWNER HAUGHT FARMS & ERIC D. GOFF ACREAGE 217.26
OIL & GAS ROYALTY H. F. TRUST & ERIC D. GOFF LEASE AC. 129 ACRE 80 POLE

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___
FRACTURE OR STIMULATE XX PLUG OFF OLD FORMATION XX
PERFORATE NEW FORMATION XX
OTHER PHYSICAL CHANGE IN WELL REWORK LOWER DEVONIAN & BENSON-ALEXANDER
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION LOWER DEVONIAN & BENSON-ALEXANDER ESTIMATED DEPTH 4500' T0 6000'

WELL OPERATOR HAUGHT ENERGY CORP.
ADDRESS 12864 STAUNTON TURNPIKE
SMITHVILLE, WV 26178

DESIGNATED AGENT WARREN HAUGHT
ADDRESS 12864 STAUNTON TURNPIKE
SMITHVILLE, WV 26178

FORM WW - 6

COUNTY NAME

PREMIT

8509821W

WW-2B1
(5-12)

Well No. W-1599

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 well. 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 Drive, 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, will sample water source within 2,000 feet of well bore
Surfaces owners Contacted:

Eric D. Goff
1661 HazelGreen Road
Harrisville, WV 26362

Haught Farms LLC
201 E Main Street
Harrisville, WV 26362

Received
Office of Oil & Gas
NOV 13 2014

8509821W

Haught Energy Corporation

November 11, 2014

To: WVDEP
Office of Oil and Gas
601 57th St SE
Charleston, WV 25304

From: Haught Energy Corporation
12864 Staunton Turnpike
Smithville, WV 26178

Re: Recomplete Permit Applications for existing well:
Goff W-1599 (47-085-09821)

Enclosed is the Haught Energy Corporation permit application for the recompletion of an existing oil and gas well located in Ritchie County, WV (API # listed above). Also enclosed is a check for the fees associated with this permit application. Enclosed are the surface owner waivers and the affidavits of delivery to the surface owners. Please let us know if there is anything further you may need in order to process this permit application package. We hope to line up this frac job for next month if we can get this permit back relatively quickly.

Thanks,

Bobby Haught

Business Development Manager

Received
Office of Oil & Gas
NOV 13 2014

8509821W

WW-70
Rev. 7/01

Affidavit of Personal Service

State Of West Virginia

County Of Ritchie

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

(1) Notice on Form WW-2(A)__/ WW-3(A)__/ WW-4(A)__/ WW-5(A)__/ WW-6(A)__
(2) Application on Form WW-2(B)__/ WW-3(B)__/ WW-4(B)__/ WW-5(B)__/ WW-6(B)__
(3) Plat showing the well location on Form WW-6, and
(4) Construction and Reclamation Plan on Form WW-9

--all with respect to operator's Well No. W-1599 located in Murphy District, Ritchie County, West Virginia, upon the person or organization named--

Eric D. Goff

--by delivering the same in Ritchie County, State of West Virginia on the 10th day of November, 2014 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:
[✓] Handing it to him✓/ her___/ or, because he___/ she___/ refused to take it when offered it, by leaving it in his___/ her___/ presence.

[ ] Handing it to a member of his or her family above the age of 16 years named _____ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:
[ ] Handing it to _____, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:
[ ] Handing it to the general partner, named_____, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:
[ ] Handing it to the corporation's employee___/ officer___/ director___/ attorney in fact___/ named_____

(Signature of person executing service)

Taken, subscribed and sworn before me this 11th day of November 20 14.
My commission expires MAY 12, 2024.

Brad L Morris
Notary Public

(AFFIX SEAL IF NOTARIZED OUTSIDE THE STATE)

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
BRAD L MORRIS
276 SCENIC HILLS
PARKERSBURG, WV 26104
My Commission Expires May 12, 2024

Received
Office of Oil & Gas
NOV 13 2014

850982IW

WW-70
Rev. 7/01

Affidavit of Personal Service

State Of West Virginia

County Of Ritchie

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

(1) Notice on Form WW-2(A)__/ WW-3(A)__/ WW-4(A)__/ WW-5(A)__/ WW-6(A)__
(2) Application on Form WW-2(B)__/ WW-3(B)__/ WW-4(B)__/ WW-5(B)__/ WW-6(B)__
(3) Plat showing the well location on Form WW-6, and
(4) Construction and Reclamation Plan on Form WW-9

--all with respect to operator's Well No. W-1599 located in Murphy District, Ritchie County, West Virginia, upon the person or organization named--

Haught Farms LLC

--by delivering the same in Ritchie County, State of West Virginia on the 5th day of November, 2014 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:
[ ] Handing it to him___/ her___/ or, because he___/ she___/ refused to take it when offered it, by leaving it in his___/ her___/ presence.

[ ] Handing it to a member of his or her family above the age of 16 years named _____ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:
[ ] Handing it to _____, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:
[ ] Handing it to the general partner, named_____, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:
[✓] Handing it to the corporation's employee___/ officer✓/ director___/ attorney in fact___/ named IRA M. HAUGHT

(Signature of person executing service)

Taken, subscribed and sworn before me this 11th day of November 2014.
My commission expires MAY 12, 2024.

Notary Public

(AFFIX SEAL IF NOTARIZED OUTSIDE THE STATE)

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
BRAD L MORRIS
276 SCENIC HILLS
PARKERSBURG, WV 26104
My Commission Expires May 12, 2024

Received
Office of Oil & Gas
NOV 13 2014