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

April 20, 2015

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-8510208, 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-1655
Farm Name: KNIGHT, BRIAN D. & CHRISTIN
API Well Number: 47-8510208
Permit Type: Vertical Well
Date Issued: 04/20/2015

Promoting a healthy environment.

8510208

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.

8510208
6500
4145

WW - 2B
(Rev. 8/10)

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

4 393

1) Well Operator: Haught Energy Corporation	494494463	Ritchie	Union	Harrisville
	Operator ID	County	District	Quadrangle

2) Operator's Well Number: W-1655 3) Elevation: 957'

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

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

Deep _____ / Shallow X

5) Proposed Target Formation(s): Lower Devonian/Marcellus Proposed Target Depth: 6150'
6) Proposed Total Depth: 6200' Feet Formation at Proposed Total Depth: Onandoga Lime
7) Approximate fresh water strata depths: 50'
8) Approximate salt water depths: 990'

9) Approximate coal seam depths: None Noted in Offset Wells

10) Approximate void depths,(coal, Karst, other): None Noted in Offset Wells

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)

Drill new Oil & Gas Well. Stimulate with Nitrogen and/or Slick Water fracturing methods including approximately 700,000 SCF Nitrogen Per Stage and/or approximately 9500 Barrels water. (Fraq pit not to exceed 5,000 Bbls, will supplement with tanks for additional water capacity if needed)

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#	30'	30'	Grout to Surface
Fresh Water	9-5/8"	K-55	26#	300'	300'	To Surface
Coal	NA	NA	NA	NA	NA	NA
Intermediate	7"	K-55	17#	2100'	2100'	To Surface
Production	4-1/2"	J-55	10.5#	6200'	6200'	250 Sacks, 2000' Fillup
Tubing	NA	NA	NA	NA	NA	NA
Liners	NA	NA	NA	NA	NA	NA

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FEB 27 2015
WV Department of
Environmental Protection

Packers: Kind: NA
Sizes: NA
Depths Set NA

2-19-15

8510208

WW-2A
(Rev. 6-07)

1). Date: 2-02-2015

2.) Operator's Well Number W-1655

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

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 Brian D. & Christina L. Knight A
Address 8106 Cairo Rd.
Harrisville, WV 26362

(b) Name
Address

(c) Name
Address

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

5) (a) Coal Operator
Name None
Address

(b) Coal Owner(s) with Declaration
Name NA
Address

Name
Address

(c) Coal Lessee with Declaration
Name NA
Address

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.

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

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

Subscribed and sworn before me this 5th day of FEBRUARY, 2015

Brad L Morris Notary Public

My Commission Expires MAY 12, 2024

RECEIVED
Office of Oil and Gas
FEB 27 2015
WV Department of
Environmental Protection

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

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

8510208

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-1655 located in Union District, Ritchie County, West Virginia, upon the person or organization named--

Brian D. & Christina L. Knight

--by delivering the same in Ritchie County, State of West Virginia on the 6th day of February, 20__ in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:
[X] 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 24th day of FEBRUARY 2015.
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
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FEB 27 2015
WV Department of Environmental Protection

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

8510208

WW-2A1
(Rev. 1/11)

Operator's Well Number W-1655

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
Gus Bee Et Al	Warren R. Haught	1/8	124/806
Warren R. Haught	Oppenheimer Oil & Gas	1/8	125/76
Warren R. Haught	Whittle Corporation	1/8	276/283

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.

Well Operator: Haught Energy Corporation
By: Its: Warren R. Haught
Agent

8510208

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
118 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
118 Crestwood Dr. Parkersburg, WV 26104

RECEIVED
Office of Oil and Gas
FEB 27 2015
WV Department of
Environmental Protection

This Document Prepared by:

Whittle Corporation
HC 68 Box 14
Smithville, WV 26178

85 10208

WW-2B1
(5-12)

Well No. W-1655

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 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.

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WV Department of
Environmental Protection

Will sample water source within 2,000 feet of well bore
Surfaces owners Contacted:
Brian & Christina Knight
8106 Cairo Rd.
Harrisville, WV 26362

Lewis & Carolyn Morris
1005 Mary Street
Harrisville, WV 26362

8510208

WW-9
(5/13)

Page _____ of _____

API Number 47 - 085 - _____

Operator's Well No. W-1655

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Haught Energy Corporation OP Code 494494463

Watershed (HUC 10) Third Run Quadrangle Harrisville

Elevation 957' County Ritchie District Union

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

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

If so, please describe anticipated pit waste: Drilling Water/ Fluid - Flow Back

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 UIC2D0859721)
- _____ 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. Air

-If oil based, what type? Synthetic, petroleum, etc. NA

Additives to be used in drilling medium? TD 200 Drilling Soap (If Necessary)

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Leave in Pit - Solidify

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

-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.

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Office of Oil and Gas
FEB 10 2015
WV Department of Environmental Protection

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
BRAD L MORRIS
276 SCENIC HILLS
PARKERSBURG, WV 26104
My Commission Expires May 04, 2024

Company Official Signature Warren R. Haught

Company Official (Typed Name) Warren Haught

Company Official Title Agent

Subscribed and sworn before me this 5th day of FEBRUARY, 2015

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

8510208

Form WW-9

Operator's Well No. W-1655

Proposed Revegetation Treatment: Acres Disturbed 2.5 AC Prevegetation pH 5.5

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: David Adkins

Comments: Prseed a Mulch all cut area no less than 2 ton per acre maintain all E&S during operation

Title: oil&gas inspector Date: 2-19-15

Field Reviewed? (✓) Yes ( ) No

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FEB 27 2015
WV Department of
Environmental Protection

8510208

Addendum to WW-9
W-1655
Haught Energy Corporation

It is the intention of Haught Energy Corporation to build a pit capable of holding 5,000 BBl of fresh water to be used in the fracturing of well W-1655. This pit will be built separate of the drilling pit and will be used in a temporary manner. The walls will be compacted as needed to ensure a stable structure and a liner will be used in the pit. The pit will be built and filled with fresh water then used as expeditiously as possible to fracture the well. Following fracturing the well, the flowback will be completed and once the flowback has been completed, all flowback water shall be hauled from this pit to an injection facility for disposal. Once the pit has been dried out, reclamation will ensue. It is the Intention of Haught Energy to use this pit as a temporary structure and not a long standing impoundment.

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Office of Oil and Gas
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WV Department of
Environmental Protection

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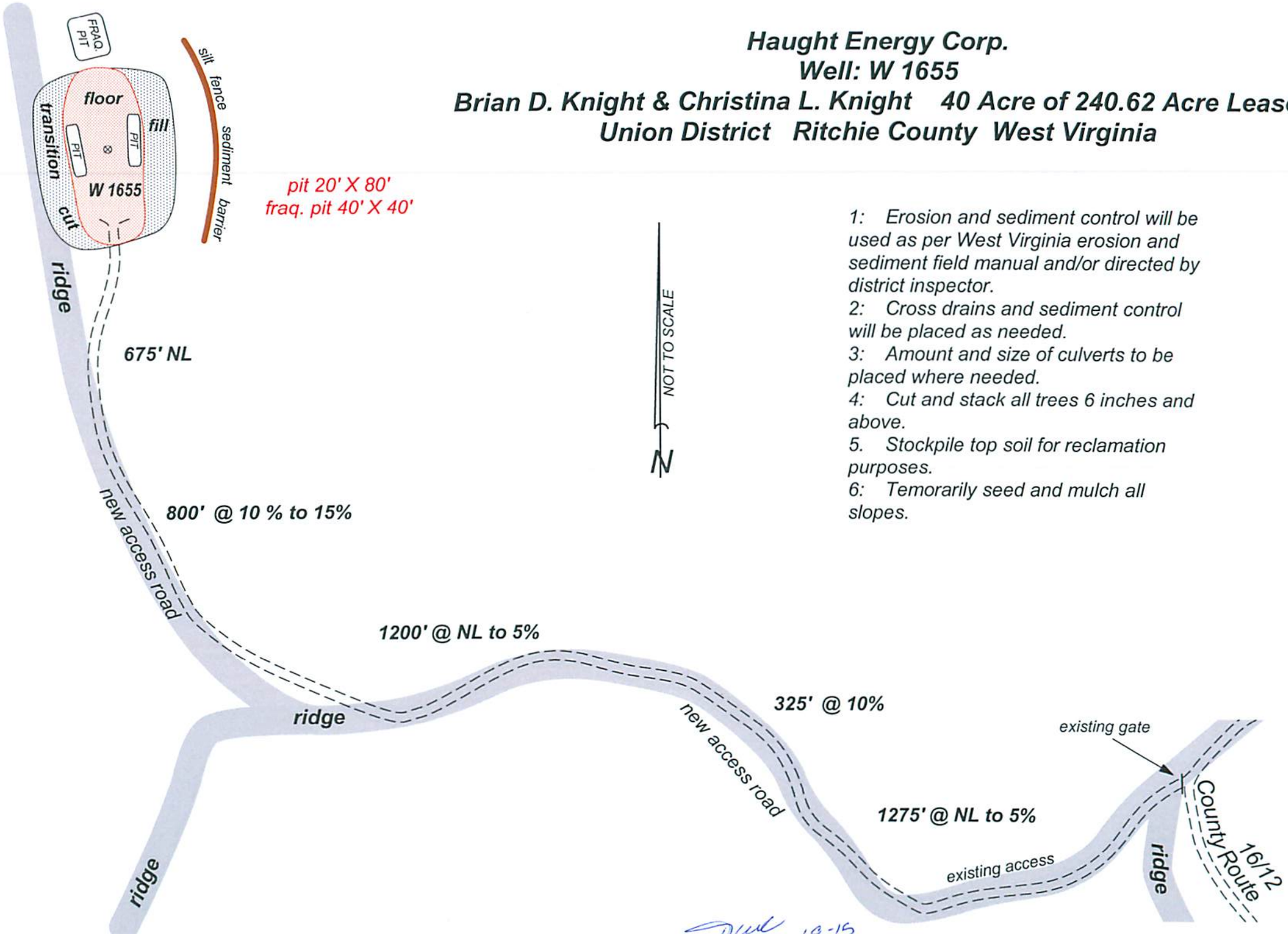
Office of Oil and Gas
FEB 27 2015
WV Department of

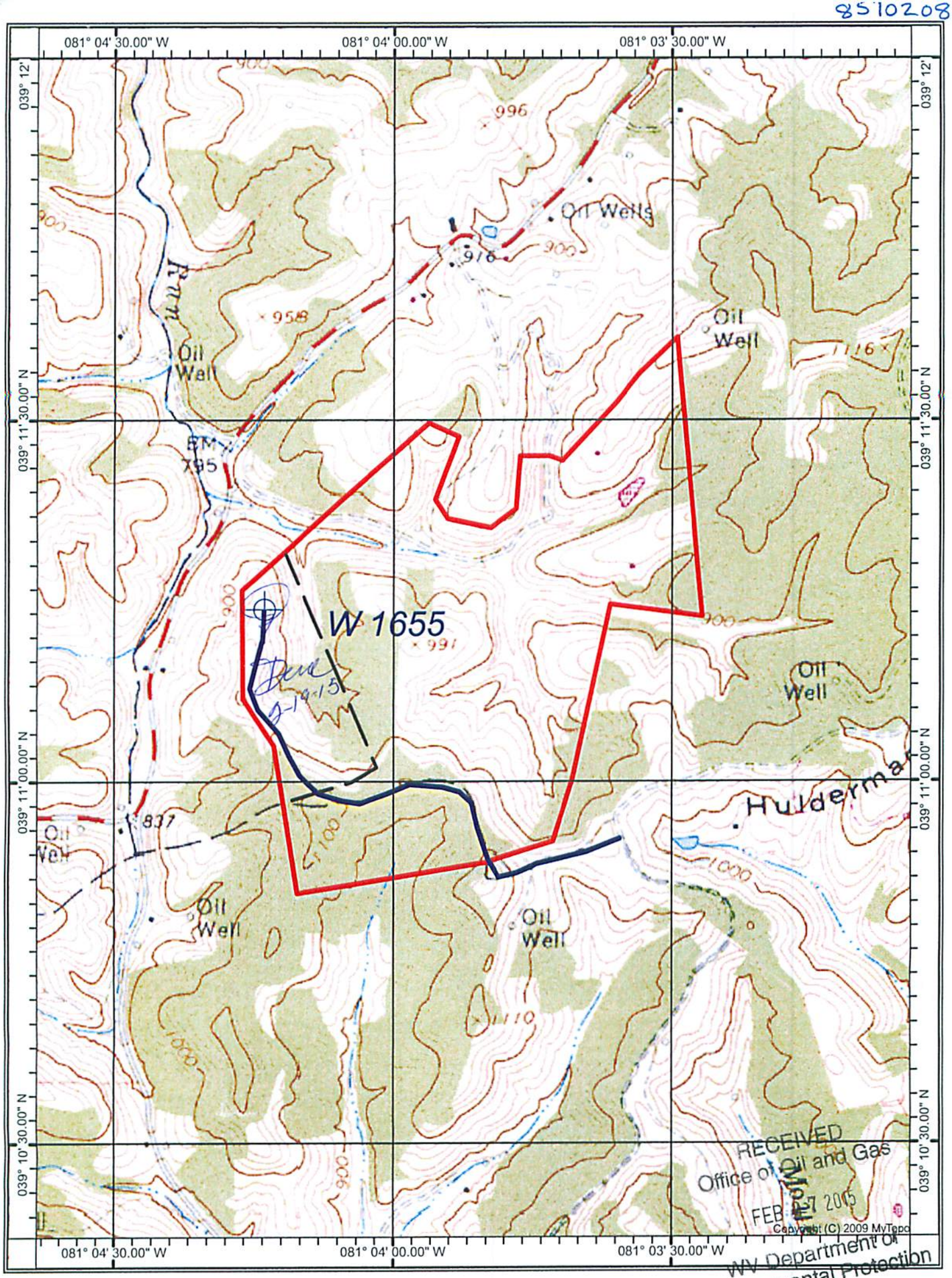
8020158

Haught Energy Corp.
Well: W 1655
Brian D. Knight & Christina L. Knight 40 Acre of 240.62 Acre Lease
Union 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: Temorarily seed and mulch all slopes.

8510208



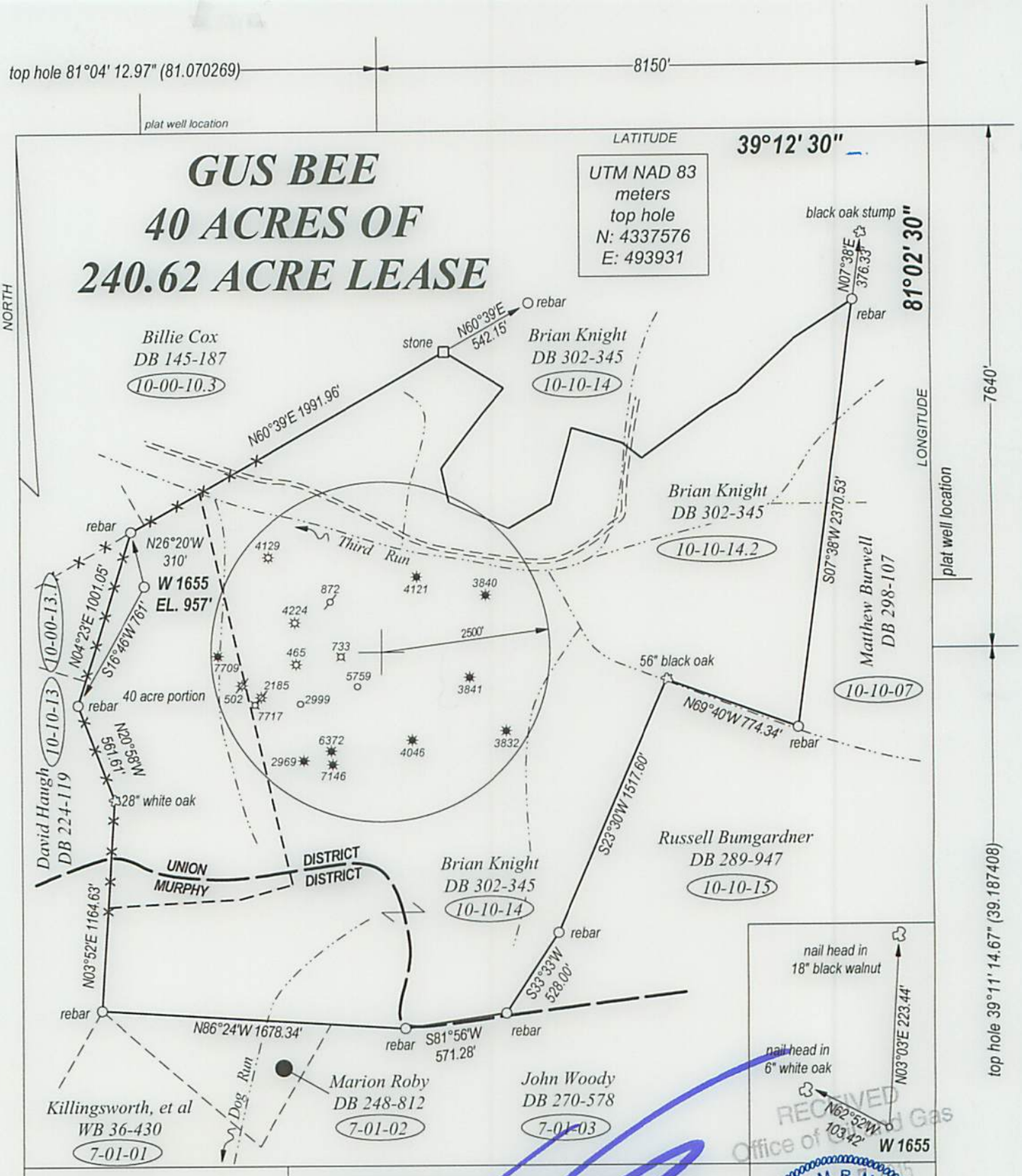
HARRISVILLE QUADRANGLE

SCALE 1' = 1000'

HAUGHT ENERGY CORP.

WELL: W 1655
GUS BEE 40 ACRE OF 240.62 ACRE LEASE

UNION DISTRICT RITCHIE COUNTY WEST VIRGINIA



FILE NO.
DRAWING NO.
SCALE 1" = 750'
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

RECEIVED
Office of Oil and Gas
WV Department of Environmental Protection

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

DATE JANUARY 29TH, 2015
OPERATORS WELL NO. W-1655

API 47 - 085 - 10208
STATE COUNTY PERMIT

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

LOATION: ELEVATION 957' WATER SHED THIRD RUN
DISTRICT UNION COUNTY RITCHIE QUADRANGLE HARRISVILLE

SURFACE OWNER BRIAN D. KNIGHT & CHRISTNA L. KNIGHT ACREAGE 240.62
OIL & GAS ROYALTY BRIAN D. KNIGHT & CHRISTNA L. KNIGHT, ET AL LEASE AC. 40 OF 240.62

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

TARGET FORMATION LOWER DEVONIAN - MARCELLUS ESTIMATED DEPTH 6200'

WELL OPERATOR HAUGHT ENERGY CORP.
ADDRESS 12684 STAUNTON TURNPIKE
SMITHVILLE, WV 26178

DESIGNATED AGENT WARREN HAUGHT
ADDRESS 12684 STAUNTON TURNPIKE
SMITHVILLE, WV 26178

FORM WW - 6
COUNTY NAME
PERMIT

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

API 47 - 085 - 10508 | STATE | COUNTY | PERMIT

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

LOCATION: ELEVATION 952' WATER SHED THIRD RUN
DISTRICT UNION COUNTY RITCHIE QUADRANGLE HARRISVILLE

SURFACE OWNER BRIAN D. KNIGHT & CHRISTINA L. KNIGHT ACREAGE 240.25
OIL & GAS ROYALTY BRIAN D. KNIGHT & CHRISTINA L. KNIGHT, ET AL LEASE AC. 40 OF 240.25

PROPOSED WORK: DRILL XX CONVERT ___ DRILL DEEPER ___ REDRILL ___
FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___
PERFORATE NEW FORMATION ___
OTHER PHYSICAL CHANGE IN WELL ___

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION LOWER DEVONIAN - MARCELLUS ESTIMATED DEPTH 8500'

DESIGNATED AGENT WARREN HAUGHT ADDRESS 1584 STANTON TURNPIKE
ADDRESS 1584 STANTON TURNPIKE WELL OPERATOR HAUGHT ENERGY CORP.
SMITHVILLE, WV 26178 SMITHVILLE, WV 26178

LATITUDE 38°15'30" — LONGITUDE 81°05'30"

N: 4331270
E: 495691
top hole
meters
UTM NAD 83

240.25 ACRE LEASE
40 ACRES OF
GUS BEE

Billy Cox — DB 142-181 — 10-00-10.3
Brian Knight — DB 305-342 — 10-10-14
Brian Knight — DB 305-342 — 10-10-14.5
Maxwell Brumgartner — DB 288-104 — 10-10-07
Russell Brumgartner — DB 284-647 — 10-10-12
John Woody — DB 270-218 — 7-10-03
Marion Kopp — DB 248-218 — 7-10-05
Killingsworth, et al — WB 36-430 — 7-10-10
David Hardy Heirs — DB 224-110 — 10-10-13
10-00-13.1

N38°54'W 1878.34'
N03°25'E 1144.80'
N03°03'E 553.44'
S53°33'W 233.00'
S53°30'W 1211.08'
N89°04'W 1174.34'
N00°38'E 1201.03'
N50°28'W 1587.18'
N58°50'W 310.
N00°38'E 1691.96'
N00°38'E 245.12'
N81°38'E 319.23'

top hole 38°11'14.01" (38.187114)
1940'
8120'
top hole 81°04'15.61" (81.070503)

Office of Oil & Gas
RECEIVED
JAN 24 2011
WV Department of
Environmental Protection

PROFESSIONAL SURVEYOR
STATE OF WEST VIRGINIA
LICENSED
No. 681
MILLARD R. MOSSOR

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: 681

DATE JANUARY 26TH, 2010
OPERATOR'S WELL NO. W-1622

DRAWING NO.
SCALE 1" = 120'
MINIMUM DEGREE
OF ACCURACY 1 : 500
PROVEN SOURCE
OF ELEVATION GPS

OBSERVATION

FILE NO.

WW-6A1 (5/13)

85 10 208

February 24, 2015

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: Permit Applications for new well: W-1655

Enclosed is the Haught Energy Corporation permit application for a new shallow vertical oil and gas well located in Ritchie County, WV along with a check for the fees associated with this permit application. Included with this application is the executed/notarized affidavit of delivery confirming delivery of the permit package to the surface owners. Please let us know if there is anything further you may need in order to process these permits.

Thanks,

Bobby Haught

Development Director

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Office of Oil and Gas
FEB 27 2015
WV Department of
Environmental Protection

Haught Energy Corporation | 12864 Staunton TPKE Smithville, WV 26178
P – (304) 477 3333
F – (304) 477 3336

Haught Energy

Sunday, Jan. 2015

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: Permit Applications for new well, W-1635

Enclosed is the Haught Energy Corporation permit application for a new shallow vertical oil and gas well located in Ritchie County, WV along with a check for the fees associated with this permit application. Included with this application is the executed/notarized affidavit of delivery confirming delivery of the permit package to the surface owners. Please let us know if there is anything further you may need in order to process these permits.

Thanks,

Bobby Haught

Developer at Daddee

RECEIVED
Office of Oil and Gas
FEB 2 1 2015
WV Department of
Environmental Protection

Haught Energy Corporation 12864 Staunton Turnpike Smithville, WV 26178
P – (304) 477-3333
F – (304) 477-3334