



 west virginia department of environmental protection

Office of Oil and Gas
 601 57th Street, S.E.
 Charleston, WV 25304
 (304) 926-0450
 fax: (304) 926-0452

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Wednesday, May 22, 2019
 WELL WORK PERMIT
 Vertical / Re-Work

HAUGHT ENERGY CORPORATION
 12864 STAUNTON TURNPIKE

SMITHVILLE, WV 261787004

Re: Permit approval for EVANS P-1
 47-085-09352-00-00

This well work permit 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 any additional specific 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 of 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.

Per 35 CSR 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- 0450.

James A. Martin
 Chief

Operator's Well Number: EVANS P-1
 Farm Name: ALFAB, INCORPORATED
 U.S. WELL NUMBER: 47-085-09352-00-00
 Vertical Re-Work
 Date Issued: 5/22/2019

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.

WW - 2B
(Rev. 8/10)

APR 10 2019

05/24/2019

WV Department of
Environmental Protection

CHK# 1334

AMT 550.00

4/5/19

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION1) Well Operator: Haught Energy Corporation

494494463	Ritchie	Murphy	Smithville
Operator ID	County	District	Quadrangle

2) Operator's Well Number: Evans P-1 3) Elevation: 1020'4) Well Type: (a) Oil _____ or Gas X _____
(b) If Gas: Production X / Underground Storage _____
Deep _____ / Shallow X _____*Michael Goff*
*4/10/19*5) Proposed Target Formation(s): Onandoga/Marcellus (Plug) Proposed Target Depth: 5,755'-6,155'6) Proposed Total Depth: 6,155' Feet Formation at Proposed Total Depth: Onandoga7) Approximate fresh water strata depths: 170'8) Approximate salt water depths: None9) Approximate coal seam depths: None10) Approximate void depths, (coal, Karst, other): None11) 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)

Plug Onandoga and Marcellus Formation in preparation for horizontal drilling and completion in the Marcellus formation in the
Surrounding area. LEAVE ALEXANDER OPEN FROM 5016' TO 5026'13) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor						
Fresh Water	9-5/8"	R-3	26 #		336'	Surface (153 Cu. Ft.)
Coal						
Intermediate	7"	R-3	17 #		1,938'	Surface (403 Cu. Ft.)
Production	4-1/2"	M-65	10.5 #		6,155'	3,750' (269 Cu. Ft.)
Tubing						
Liners						

Packers: Kind: _____

Sizes: _____

Depths Set _____



Wellbore Schematic Plugging

Well: Evans P-1
API: 47-085-9352

Current Status
- Frac complete on 10/06/06
- 5947' of 2 3/8" tubing with 15' mud anchor installed on 10/23/07

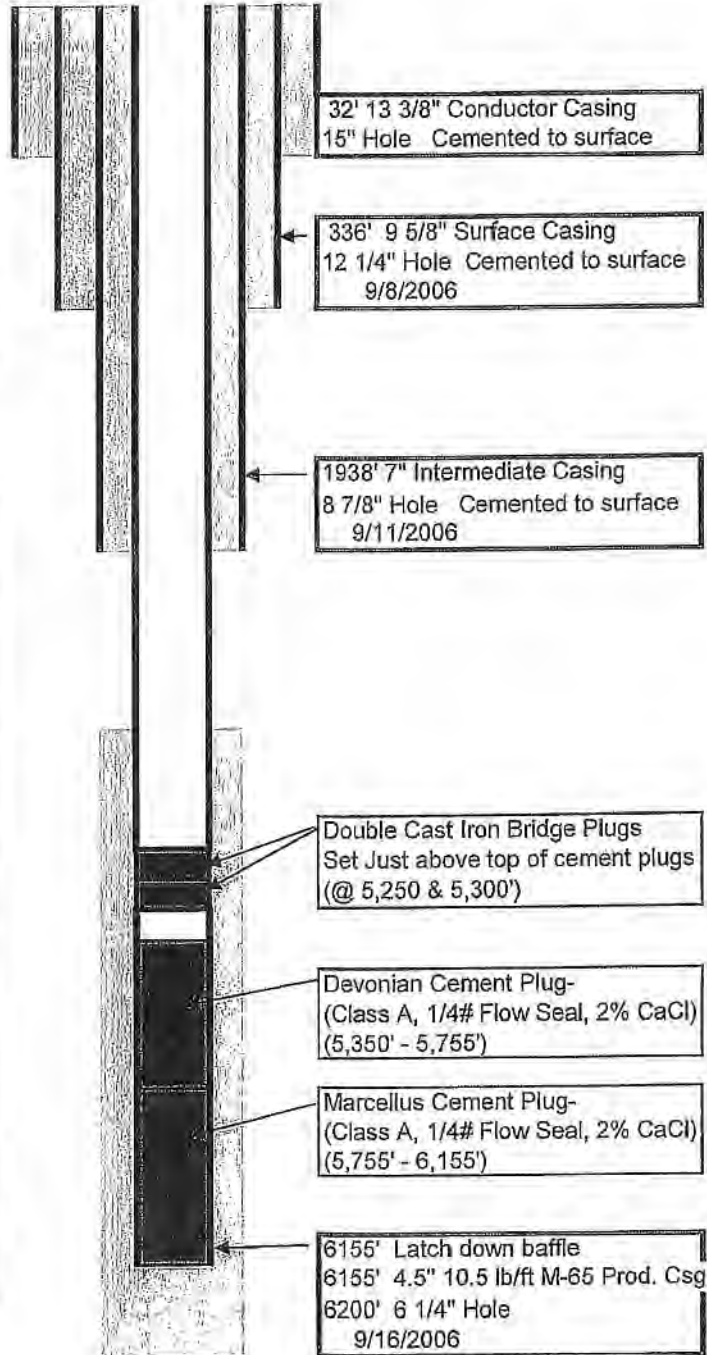
Action Items
- Plug Back Marcellus formation in preparation of horizontal Marcellus development

Loggers TD 6155

TOC 3750

Perforations:

5016	5026	180 degree phasing
		2 spf @ 120 degree phasing
5588	5598	3 spf @ 120 degree phasing
5746	5756	3 SPF @ 120 degree phasing
5860	5870	2 SPF with Strip
5963	5969	2 SPF with Bi-Wire
5975	5978	
5981	5983	
6021	6024	
6032	6035	
6045	6060	2 SPF with Bi-Wire
6063	6065	
6075	6080	
6091	6093	
6104	6107	



47-085-09352W



Select County: **(085) Ritchie** Select datatypes: (Check All)

Enter Permit #: **09352**

Location Production Plugging
 Owner/Completion Stratigraphy Sample
 Pay/Show/Water Logs Btm Hole Loc

Get Data Reset

- [Table Descriptions](#)
- [County Code Translations](#)
- [Permit-Numbering Series](#)
- [Usage Notes](#)
- [Contact Information](#)
- [Disclaimer](#)
- [WVGES Main](#)
- ["Pipeline-Plus" New](#)

WV Geological & Economic Survey:

Well: County = 85 Permit = 09352

Report Time: Tuesday, May 21, 2019 1:58:53 PM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LONG_DD	UTME	UTMN
4708509352	Ritchie	9352	Murphy	Smithville	Harrisville	39.08433	-81.091727	492066.7	4326138.9

There is no Bottom Hole Location data for this well

Owner Information:

API	CMP_DT	SUFFIX	STATUS	SURFACE_OWNER	WELL_NUM	CO_NUM	LEASE	LEASE_NUM	MINERAL_OWN	OPERATOR_AT_COMPLETION	PROP_VD	PROP_TRGT_FM	TFM_EST_PR
4708509352	11/6/2006	Original Loc	Completed	ALFAB Inc	F-1		Pansy Lemon Evans		Pansy Lemon Evans	PetroEdge Resources WV, LLC	6250	Hamilton Grp	

Completion Information:

API	CMP_DT	SPUD_DT	ELEV DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FTG	KOD	G_BEF	G_AFT	O_BEF	O_AFT	NGL_BEF	NGL_AFT	P_BEF	TI_BEF	P_AFT	TI_AFT	BH_P_BEF
4708509352	11/6/2006	9/7/2006	1020	Ground Level	Leatherbark Crk	Onondaga Ls	Marcellus Fm	Development Well	Development Well	Gas	Rotary	Fractured	6200		6200		85	60							400	48

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4708509352	11/6/2006	Pay	Gas	Vertical	5016	Lower Alexander	6107	Marcellus Fm					

Production Gas Information: (Volumes in Mcf) * 2018 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4708509352	PetroEdge Resources WV, LLC	2006	5,086	0	0	0	0	0	0	0	0	0	0	2,372	2,714
4708509352	PetroEdge Resources WV, LLC	2007	12,442	667	0	1,558	958	1,825	916	1,056	972	1,097	2,319	1,016	58
4708509352	Quest Eastern Resource, LLC	2008	9,238	713	659	671	661	849	814	805	865	670	848	802	880
4708509352	Quest Eastern Resource, LLC	2009	8,107	880	735	735	705	734	675	597	582	640	583	595	646
4708509352	Quest Eastern Resource, LLC	2010	6,896	582	508	580	523	686	609	591	586	521	576	580	554
4708509352	Postrock Eastern Production LLC	2011	6,187	547	503	552	521	540	483	557	481	546	485	479	493
4708509352	Postrock Eastern Production LLC	2012	5,627	464	438	484	452	447	340	331	799	507	474	447	444
4708509352	Postrock Eastern Production LLC	2013	5,053	417	341	447	447	432	414	393	450	430	438	419	425
4708509352	Postrock Eastern Production LLC	2014	4,939	332	438	438	370	480	433	421	421	418	403	390	395
4708509352	Postrock Eastern Production LLC	2015	4,618	398	352	396	387	399	384	388	399	375	384	367	389
4708509352	Haught Energy Corp.	2016	2,757	0	0	0	0	422	379	392	397	390	403	374	
4708509352	Haught Energy Corp.	2017	4,092	71	80	434	439	394	379	365	388	401	391	381	369

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil * 2018 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4708509352	PetroEdge Resources WV, LLC	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
4708509352	PetroEdge Resources WV, LLC	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4708509352	Quest Eastern Resource, LLC	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4708509352	Quest Eastern Resource, LLC	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4708509352	Quest Eastern Resource, LLC	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4708509352	Postrock Eastern Production LLC	2011	41	0	0	0	0	0	41	0	0	0	0	0	0
4708509352	Postrock Eastern Production LLC	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4708509352	Postrock Eastern Production LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4708509352	Postrock Eastern Production LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4708509352	Postrock Eastern Production LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4708509352	Haught Energy Corp.	2016	0												
4708509352	Haught Energy Corp.	2017	0												

Production NGL Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil * 2018 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4708509352	Postrock Eastern Production LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4708509352	Postrock Eastern Production LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4708509352	Postrock Eastern Production LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4708509352	Haught Energy Corp.	2016	0												

Production Water Information: (Volumes in Gallons) * 2018 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4708509352	Haught Energy Corp.	2016	0												

Stratigraphy Information:

API	SUFFIX	FM	FM_QUALITY	DEPTH_TOP	DEPTH_QUALITY	THICKNESS	THICKNESS_QUALITY	ELEV DATUM
4708509352	Original Loc	Berea Ss	WVGES Staff Geologist	2442	Reasonable	378	Qstnble Pick	1020 Ground Level
4708509352	Original Loc	Gordon	WVGES Staff Geologist	2820	Qstnble Pick	1643	Qstnble Pick	1020 Ground Level
4708509352	Original Loc	Riley	WVGES Staff Geologist	4463	Qstnble Pick	304	Qstnble Pick	1020 Ground Level
4708509352	Original Loc	Java Fm	WVGES Staff Geologist	4767	Qstnble Pick	238	Reasonable	1020 Ground Level
4708509352	Original Loc	Lower Alexander	WVGES Staff Geologist	5005	Reasonable	412	Qstnble Pick	1020 Ground Level
4708509352	Original Loc	Elk	WVGES Staff Geologist	5417	Qstnble Pick	333	Qstnble Pick	1020 Ground Level
4708509352	Original Loc	Cashaqua Sh Mbr	WVGES Staff Geologist	5750	Qstnble Pick	120	Reasonable	1020 Ground Level
4708509352	Original Loc	Middlesex Sh	WVGES Staff Geologist	5870	Reasonable	82	Reasonable	1020 Ground Level
4708509352	Original Loc	West River Sh Mbr	WVGES Staff Geologist	5952	Reasonable	87	Reasonable	1020 Ground Level
4708509352	Original Loc	Genesee Fm	WVGES Staff Geologist	6039	Reasonable	28	Reasonable	1020 Ground Level
4708509352	Original Loc	Tully Ls	WVGES Staff Geologist	6067	Reasonable	3	Qstnble Pick	1020 Ground Level
4708509352	Original Loc	Marcellus Fm	WVGES Staff Geologist	6070	Qstnble Pick	38	Reasonable	1020 Ground Level
4708509352	Original Loc	Onondaga Ls	WVGES Staff Geologist	6108	Reasonable			1020 Ground Level

Wireline (E-Log) Information:

API	LOG_TOP	LOG_BOT	DEEPEST_FML	LOGS_AVAIL	SCAN	DIGITIZED	GR_TOP	GR_BOT	D_TOP	D_BOT	N_TOP	N_BOT	L_TOP	L_BOT	T_TOP	T_BOT	S_TOP	S_BOT	O_TOP	O_BOT	INCH2	INCH5	REDUCED	KOP	LOGMD	ELEV_KB	ELEV_GL	ELEV_DF	LOG_MSRD_FRO
4708509352	1936	6200	Onondaga Ls	G,N,D,T,I,C.*	Y	N	1936	6172	1936	6194	1936	6184	1936	6198	1936	6176	1936	6200	N	1936	6200	N	Y	N					

Comment: *logs: caliper, bit size, tension, PE, gas detector, CCL, cement bond, VDL

Downloadable Log Images: **We advise you to save the log image file to your PC for viewing.** To do so, right-click the .tif image of interest and select the save option. Then you can direct the file to a location of your choice. Please note these images vary in size and some may take several minutes to download, especially if using a 56k or slower dialup connection.

Quick Reference Guide for Log File Names For more info about WVGES scanned logs click [here](#)

FILENAME
[4708509352obo.tif](#)
[4708509352adintbo.tif](#)

- geologic log types:**
- d density (includes bulk density, compensated density, density, density porosity, grain density, matrix density, etc.)
 - e photoelectric adsorption (PE or Pe, etc.)
 - g gamma ray
 - i induction (includes dual induction, medium induction, deep induction, etc.)
 - l laterolog
 - m dipmeter
 - n neutron (includes neutron porosity, sidewall neutron--SWN, etc.)
 - o other¹
 - s sonic or velocity
 - t temperature (includes borehole temperature, BHT, differential temperature, etc.)
 - z spontaneous potential or potential
- mechanical log types:**
- b cement bond
 - c caliper
 - o other¹
 - p perforation depth control or perforate
- ¹other logs may include, but are not limited to, such curves as audio, bit size, CCL--casing collar locator, continuous meter, directional survey, gas detector, guard, NCTL--Nuclear Cement Top Locator, radioactive tracer, tension

There is no Plugging data for this well

There is no Sample data for this well

47-085-09352W

WR-35
Rev (5-01)



47-085-09352W

DATE: October 4, 2007
API #: 47-085-09352

05/24/2019

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

Well Operator's Report of Well Work

Farm name: Alfab, Incorporated
LOCATION: Elevation: 1020'

Operator Well No.: Evans P-1
Quadrangle: Smithville

District: Murphy
Latitude: 39.08426
Longitude 81.09190

Feet South of 39Deg.
Feet West of 81 Deg.

County: Ritchie
05Min. 03.3Sec.
05 Min. 30.9 Sec.

Company: PetroEdge Resources (WV) LLC

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 2925 Briarpark Drive Suite 150 Houston TX 77042				
Agent: Dan Mullins				
Inspector: Steve Mossor				
Date Permit Issued: 5/11/2006				
Date Well Work Commenced: 9/7/06				
Date Well Work Completed: 11/6/06				
Verbal Plugging:	9 5/8"	336'	336'	Surface 153 cu ft
Date Permission granted on:	7"	1938'	1938'	Surface 403 cu ft
Rotary Cable Rig	4 1/2"	6155'	6155'	3750' 269 cu ft
Total Depth (feet): 6200'				
Fresh Water Depth (ft.): N/A				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				

OPEN FLOW DATA

Producing formation Devonian Series Pay zone depth (ft) 5016'-6107'
Gas: Initial open flow 85 MCF/d Oil: Initial open flow 0 bp/d
Final open flow 60 MCF/d Final open flow 0 bp/d
Time of open flow between initial and final tests 48 Hours
Static rock Pressure 400 psig (surface pressure) after 48 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 WELL BORE.

Signed:
By: Sam Wiley, Operations Manager
Date: 12-12-07

WR-35
Rev (5-01)

47-085-09352W
DATE: October 4, 2007 05/24/2019
API #: 47-085-9352

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

Well Operator's Report of Well Work

Farm name: Alfab, Incorporated
LOCATION: Elevation: 1020'

Operator Well No.: Evans P-1
Quadrangle: Smithville

District: Murphy	County: Ritchie
Latitude: 39.08426	Feet South of 39Deg. 05Min. 03.3Sec.
Longitude 81.09190	Feet West of 81 Deg. 05 Min. 30.9Sec.

Perforations By: Superior Well Service @ 5016'-6107'

Fractured by: BJ Services

Water - 1100 BBLs

N2 - 3,274,000 SCF

Sand - 2447 sks Mesh sand

<u>47-085-9352</u>	<u>TOP</u>	<u>BOTTOM</u>
Berea	2442	2820
Gordon	2820	4463
Riley	4463	4767
Java (Benson)	4767	5005
Lower Alexander	5005	5417
Elk	5417	5750
Cashaqua	5750	5870
Middlesex	5870	5952
West River	5952	6039
Genesee Shale	6039	6067
Tully	6067	6070
Marcellus Shale	6070	6108
Onondaga	6108	

WW-2A
(Rev. 6-14)

1). Date: 3-26-2019
2.) Operator's Well Number Evans P-1
State County Permit
3.) API Well No.: 47- 085 - 09352

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 Alfab Incorporated
Address PO Box 26
Smithville, WV 26178
(b) Name _____
Address _____
(c) Name _____
Address _____

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

6) Inspector Michael Goff
Address 1723 Auburn Road
Pullman, WV 26421
Telephone 304-549-9823

(c) Coal Lessee with Declaration
Name _____
Address _____
RECEIVED
Office of Oil and Gas
APR 10 2019
WV Department of
Environmental Protection

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
 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:

- 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 Hauht Energy Corporation
By: [Signature]
Its: CEO
Address: 12864 Staunton TPKE
Smithville, WV 26178
Telephone: 304-477-3333
Email: rhaugt@hauhtenergy.com



Subscribed and sworn before me this 26th day of March, 2019

Hannah M Weiford Notary Public

My Commission Expires Oct. 18, 2023

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

**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
Pansy Lemon Evans & Clarence S. Evans	Glenn L. Haught & Sons	12.5%	108/232

**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

RECEIVED
Office of Oil and Gas

APR 10 2019

WV Department of
Environmental Protection

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:
By: Its:

Haught Energy Corporation

CEO

WW-2B1
(5-12)

Well No. Evans P-1

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 Laboratory
Sampling Contractor 158 Starlight Dr, Marietta, OH 45750

RECEIVED
Office of Oil and Gas

APR 10 2019

Well Operator Haught Energy Corporation
Address 12864 Staunton TPKE
Smithville, WV 26178
Telephone 304-477-3333

WV Department of
Environmental Protection

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 Drilling or Fracturing work being completed on the subject well. The lower producing zones of the well are being plugged back in preparation of Horizontal Development on the property. No water samples to be collected for this plugging work.

WW-9
(5/16)

API Number 47 - 085 - 09352
Operator's Well No. Evans P-1

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) South Fork Hughes River Quadrangle Smithville

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

Will a pit be used? Yes No

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 8

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number UIC2D08510142)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain No pit waste is anticipated, however any waste will be removed to an approved off site disposal facility)

Will closed loop system be used? If so, describe: NA

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. NA

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

Additives to be used in drilling medium? NA

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. NA

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

-Landfill or offsite name/permit number? To be determined upon approval of permit

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, 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 [Signature]

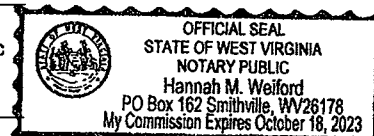
Company Official (Typed Name) B. Douglas Haught

Company Official Title CEO

Subscribed and sworn before me this 20th day of December, 2018

Hannah M. Weiford Notary Public

My commission expires October 18, 2023



Form WW-9

Operator's Well No. Evans P-1

Proposed Revegetation Treatment: Acres Disturbed 1 AC +/- Prevegetation pH 5.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or Equivalent

Fertilizer amount 500 lbs/acre

Mulch 50 Bales Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
<u>Pasture Mix</u>	<u>100</u>	<u>Pasture Mix</u>	<u>100</u>
<u>(Orchard Grass, Rye, Timothy, Clover)</u>		<u>(Orchard Grass, Rye, Timothy, Clover)</u>	

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

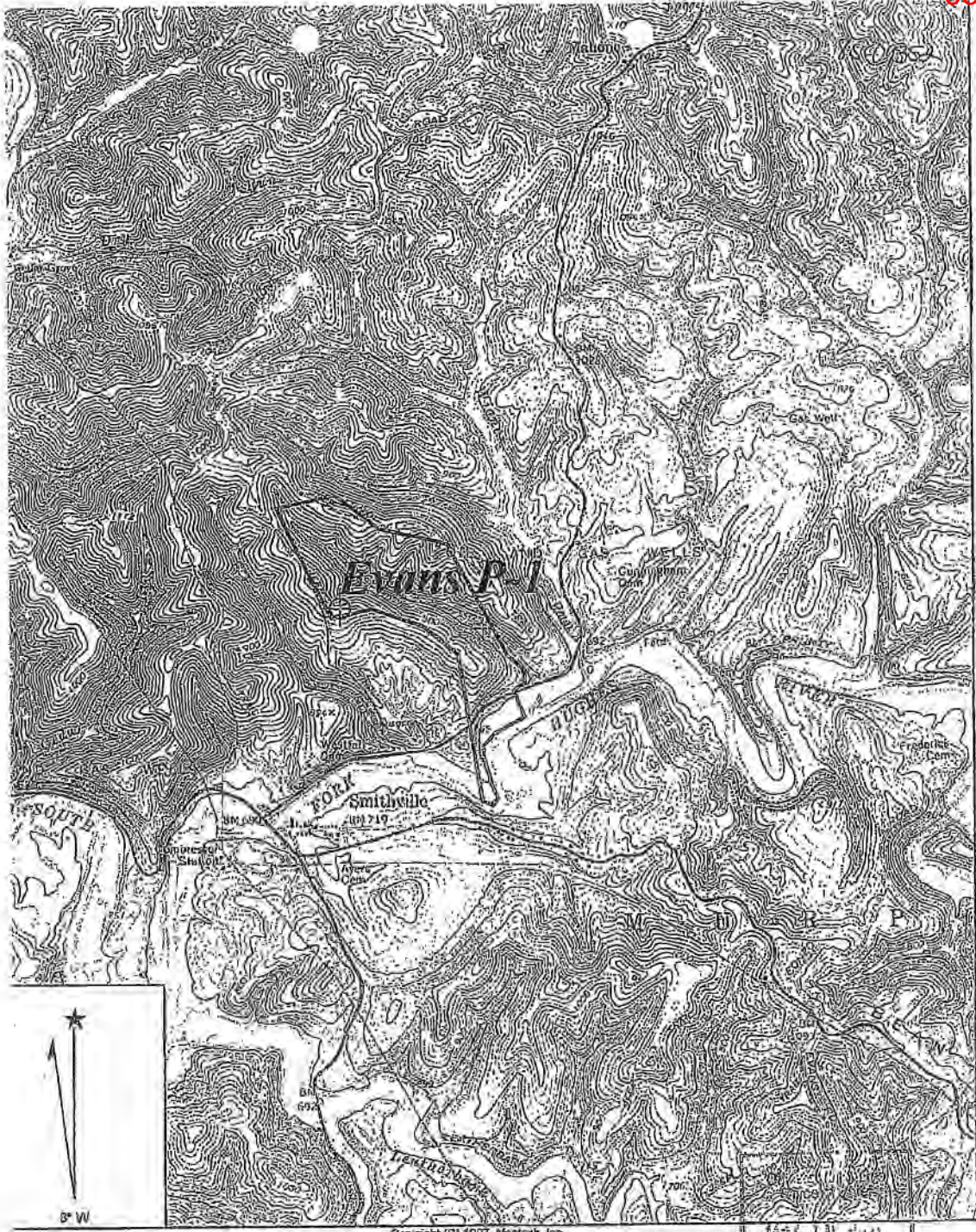
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Michael Goff

Comments: Preseed & mulch any disturbed areas.

Title: Oil & Gas Inspector Date: 4/10/19

Field Reviewed? () Yes () No



SMITHVILLE QUADRANGLE

WV Department of Environmental Protection

SCALE 1" = 2000'

PETROEDGE RESOURCES (WV)

WELL: EVANS P-1
PANSY LEMON EVANS 150 ACRE LEASE

MURPHY DISTRICT RITCHIE COUNTY WEST VIRGINIA

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-085-09352 WELL NO.: Evans P-1

FARM NAME: Pansy Lemon Evans

RESPONSIBLE PARTY NAME: Haught Energy Corporation

COUNTY: Ritchie DISTRICT: Murphy

QUADRANGLE: Smithville

SURFACE OWNER: Alpha Inc

ROYALTY OWNER: Pansy Lemon Evans

UTM GPS NORTHING: 4326129.13

UTM GPS EASTING: 492051.97 GPS ELEVATION: 1020'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____: Post Processed Differential ____

Real-Time Differential ____

Mapping Grade GPS ^X ____: Post Processed Differential ____

Real-Time Differential ____

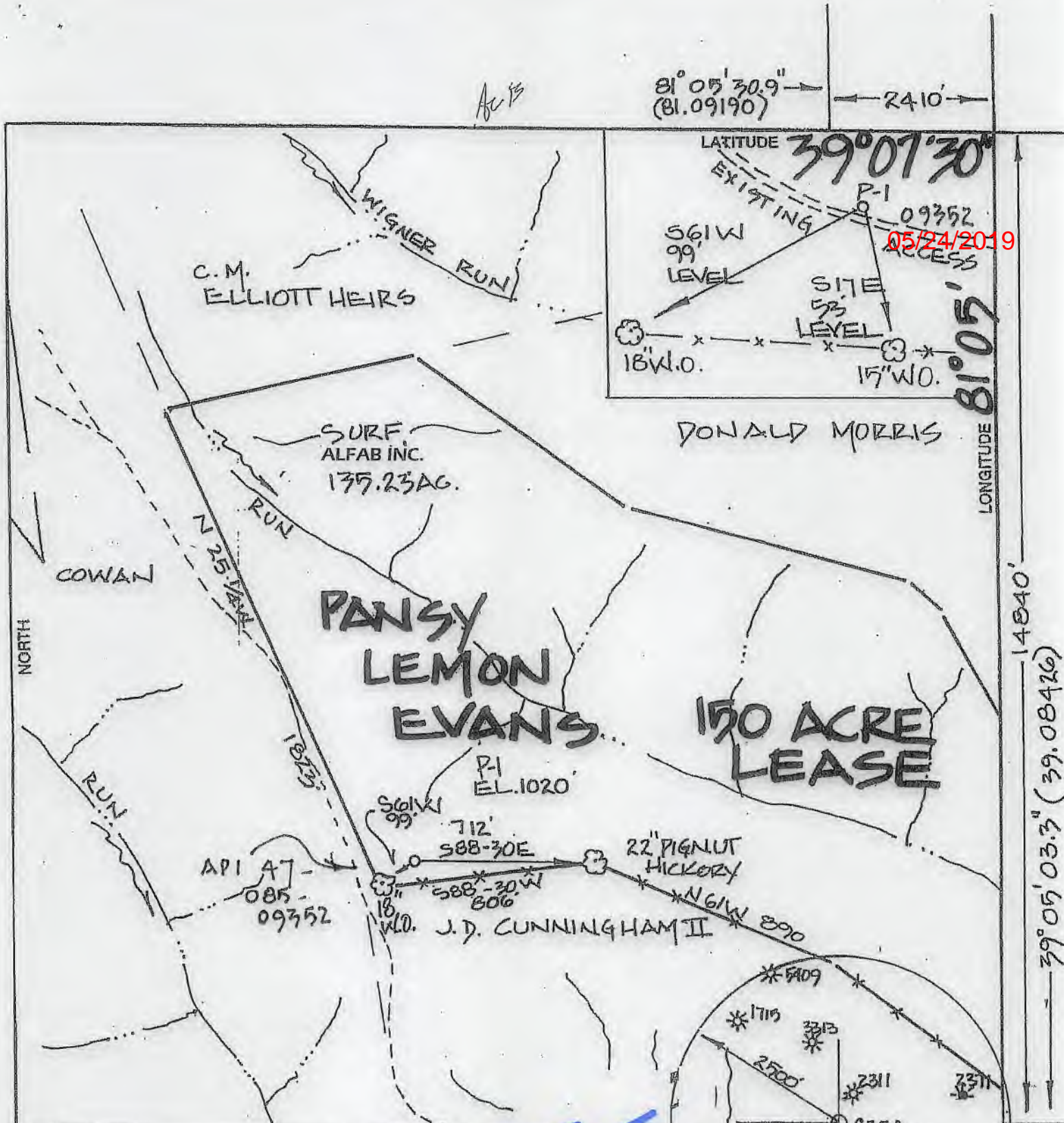
4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

[Signature]
Signature

CEO
Title

12-20-18
Date



81° 05' 30.9" (81.09190) ← 2410' →

LATITUDE 39° 07' 30"

EXISTING P-1 09352
561W 99' LEVEL
SITE 53' LEVEL
18" W.O. 15" W.O.
05/24/2019 ACCESS

LONGITUDE 81° 05'

DONALD MORRIS

PANSY LEMON EVANS

150 ACRE LEASE

P-1 EL. 1020'

API 47-085-09352

S61W 99' 712' S88-30E
S88-30W 806'
22" PIGNUT HICKORY
N61W 89'



14840'
39° 05' 03.3" (39.08426)

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION G.P.S. OBSERVATION

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL OF THE INFORMATION RECEIVED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.
SIGNED _____
R.P.E. _____ P.S. 551



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



DATE May 14 20 19
OPERATOR'S WELL NO: P-1
API WELL NO. 47 085 09352 W
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION & STORAGE DEEP _____ SHALLOW
LOCATION: ELEVATION 1020' WATER SHED SOUTH FORK HUGHES RIVER
DISTRICT MURPHY COUNTY RITCHIE
QUADRANGLE SMITHVILLE
SURFACE OWNER ALFAB INC. ACREAGE 135.23
OIL & GAS ROYALT PANSY LEMON EVANS LEASE AC 150
PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

COUNTY NAME

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 6,000' +/-
WELL OPERATOR Haught Energy Corporation DESIGNATED AGENT Warren Haught
ADDRESS 12864 Staunton TPKE ADDRESS 12865 Staunton TPKE
Smithville, WV 26104 Smithville, WV 26104

PERMIT

