

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

Friday, February 22, 2019 WELL WORK PERMIT Horizontal / New Drill

CUNNINGHAM ENERGY LLC 3230 PENNSY LVANIA AVENUE

CHARLESTON, WV 25302

Re: Permit approval for HAYS 5H

47-039-06392-00-00

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: HAYS 5H

Farm Name: CUNNINGHAM ENERGY, LL

U.S. WELL NUMBER: 47-039-06392-00-00

Horizontal New Drill Date Issued: 02/22/2019

Promoting a healthy environment.

PERMIT CONDITIONS CTB 2/22/19



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)

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

1) Well Operate	or: CUNNI	INGHAM EN	NERGY, LLC	494508594	KANAWHA	BIG SANDY	BLUE CREEK 7.5
				Operator ID	County	District	Quadrangle
2) Operator's V	Vell Numb	oer:HAYS	S 5H		3) Elevation:	872'	
4) Well Type: (a	a) Oil <u>X</u>	or Ga	ıs		•		
(b) If Gas: Production X / Underground Storage							
Deep/ Shallow X							
5) Proposed Target Formation(s): WEIR Proposed Target Depth: 2,000 6) Proposed Total Depth: 2000TVD/6080 MD Feet Formation at Proposed Total Depth: WEIR 7) Approximate fresh water strata depths: 200; 8) Approximate salt water depths: 1475' - 1525'						₹.,000	
9) Approximate	coal sea	m depths	S: NO COAL LIS	TED ON TITLE			
			al, Karst, other):				
•			•		IONE		_
11) Does land	contain co	oal seam	s tributary to act	tive mine? _N	IONE		
•	•		nd fracturing meth	•			•
			W HORIZONTAL	WELL. WE PL	AN TO RUN T	HE WEATHE	RFORD WET
SHOE SYSTEM AND PERFORATE.							
					\ <u>\</u>	} [9	
13)	PECIFIC		SING AND TU	BING PROGR FOOTAGE	AM INTERVALS	CEMEN	ΛΙΤ
TYPE S	SPECIFIC						
	Size	<u>Grade</u>	Weight per ft	For Drilling	Left in Well	Fill -up (Cu.	
Conductor	20"	LS	65LBS	30'	30'	CTS	
	13 3/8"	LS	43.6 LBS	400'	400'	CTS	<u>;</u>
Coal							
Intermediate	9 5/8"	AT-50	26 LBS.	1900'	1900'	CTS	
Production	5 1/2"	P-110	20 LBS	6,080'	6,080'	CTS	
Tubing							
Liners							
Packers: Kind	l:						
Size	es:						
1100	TOP SAT						

WW-2	2A
(Rev.	6-14)

1). Date: DECEMBER 20, 2018

2.) Operator's Well Number

HAYS #5H County

Permit

3.) API Well No .:

State 47-

KANAWHA

STATE OF WEST VIRGINIA

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

(a) Name	CUNNINGHAM ENERGY	LLC SPICE	Name		
Address	3230 PENNSYLVANIA A	VE PULLETINE	Address		
	CHARLESTON, WV 2530)2			
(b) Name			(b) Coal Owner(s) w	vith Declaration	on
Address			Name		
			Address		
(c) Name			Name		
Address			Address		
6) Inspector	TERRY URBAN		(c) Coal Lessee with	h Declaration	1
Address	P.O. BOX 1207		Name		
	CLENDENIN, WV 25045	i e	Address		
Telephone	304-549-5915				
1.5.4	TO THE P	ERSONS NA	MED ABOVE TAKE NOT	TICE THAT:	
Induded in t			contract or contracts by wh		ight to extract oil and gas
OR X Included is t I certify	the information required that as required under ation plat, and accomp Personal Service X Certified Mail (Po	Chapter 22-6 panying docume (Affidavit attacostmarked post	al receipt attached)	I have served	copies of this notice and
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The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov

WW-2A Surface Waiver (4/16)

SURFACE OWNER WAIVER

County	KANAWHA	Operator	Cunning ham Energy, LLC
		Operator well number	494508594
	INCTOLICTIONS	TO SUBFACE OWNERS NAMED ON B	A CE MANO A

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.

<u>Comments must be in writing.</u> 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.

<u>List of Water Testing Laboratories.</u> 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, WW-9, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

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		FOR EXECUTION BY A CORPORATION, ETC18		
Signature	Date	Company Name By Its	Cunningham Ryan H. m	Environmental Protection Cunha Ham Date
Print Name		2	Signature	Date

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

Operator CUNNINGHAM ENERGY, LLC	Operator's Well Num	hber HAYS #5H
INSTRUCTIONS TO	COAL OPERATOR, OW	/NER, OR LESSEE
To the coal operator, owner, or leading objection you wish to make or are rewith the Chief of the Office of Oil and Goby the Office. Mail objections to:	equired to make by WV	
Chief, Office of Oil and Gas Department of Environmental Protection 601 57 th St. SE Charleston, WV 25304 (304) 926-0499 extension 1654		
	WAIVER	
The undersigned coal operator _ location has examined this proposed we location, the well location has been add	ell location. If a mine ma ed to the mine map. Th	
work proposed to be done at this location requirements of the West Virginia Code		erator has complied with all applicable
work proposed to be done at this location	and the governing regul	erator has complied with all applicable
work proposed to be done at this location requirements of the West Virginia Code	and the governing regul FOR Company	erator has complied with all applicable ations.
work proposed to be done at this location requirements of the West Virginia Code FOR EXECUTION BY A NATURAL PERSON	and the governing regul FOR Company Name	erator has complied with all applicable ations. EXECUTION BY A CORPORATION, ETC.

RECEIVED
Office of Oil and Gas
DEC 2 1 2018

WV Department of Environmental Protection

WW-2A1 (Rev. 1/11)

Operator's Well Number HAYS #5H

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 —

- 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
H & L Trust	CUNNINGHAM ENERGY, LLC	1/8	264 - 298

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 he reby a cknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

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

Office of Oil and Gas
DEC 2 1 2018

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

Well Operator:

CUNNINGHAM ENERGY, LLC

By: Its:

PRESIDENT

WW-2B1
(5-12)

Well No.	HAYS #5H

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

STURM ENVIRONMENTAL

Sampling Contractor

HUPP SURVEYING

Well Operator

CUNNINGHAM ENERGY, LLC

Address

3230 PENNSYLVANIA AVENUE

CHARLESTON, WV 25302

Telephone

304-344-9291

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.

Office of Oil and Gas

DEC 2 1 2018

WV Department of Environmental Protection

47-039-06392H 03/01/2019

HUPP Surveying & Mapping P.O. BOX 647

GRANTSVILLE, WV 26147

(304) 354-7035

FAX: (304) 354-6548

January 30, 2019

RE: Water Samples for Hays #5H

There appears to be three (3) potable water source within 1,500' of Hays #5H, therefore tests should be offered and samples taken as required.

1. Veronica Loss 677 Wolverton Mtn. Rd. Clendenin, WV 25045 Tax Map 18 Parcel 149

2. Betty & William White 548 Wolverton Mnt. Rd. Clendenin, WV 25045 Tax Map 18 Parcels 149.1 & 150

 David & Thelma Strickland 166 White Hollow Rd Elkview, WV 25071 Tax Map 18 Parcel 134

03/01/2019

Page 1 of 1

Cunningham Energy, LLC.

Hays #5H Water

Hays #5H Well PELIN Reamer Hill ou and Gas **Oil Wells** Sear 2 1 2018

HUPP Surveying & Mapping

P.O. BOX 647 GRANTSVILLE, WV 26147 PH: (304)354-7035 E-MAIL: hupp@frontiernet.net 1" = 1000' Blue Creek Quad Cunningham Energy, LLC. 3230 Pennsylvania Ave. Charleston, WV 25302 . WW-9 (5/16)

API Number 47 -	039
Operator's Well No	. HAYS #5H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name CUNNINGHAM ENERGY, LLC	OP Code 494508594	03/01/2019
Watershed (HUC 10) ELK RIVER	Quadrangle BLUE CREEK 7.5'	
Do you anticipate using more than 5,000 bbls of water to complet Will a pit be used? Yes No If so, please describe anticipated pit waste:	e the proposed well work? Yes No _]
Will a synthetic liner be used in the pit? Yes	No If so, what ml.?	_
Proposed Disposal Method For Treated Pit Wastes:		
Land Application (if selected provide a Underground Injection (UIC Permit Mense (at API Number Off Site Disposal (Supply form WW- Other (Explain	Number_2D0392210	
Will closed loop systembe used? If so, describe: Yes, we will u	tilize a closed loop tank system.	
Drilling medium anticipated for this well (vertical and horizontal)	? Air, freshwater, oil based, etc. AIR; FRESHWA	TER
-If oil based, what type? Synthetic, petroleum, etc		
Additives to be used in drilling medium? SOAP; KCL and/or CL/	AY STABILIZER	
Drill cuttings disposal method? Leave in pit, landfill, removed or	ffsite, etc. LANDFILL	·
-If left in pit and plan to solidify what medium will be u	sed? (cement, lime, sawdust) CEMENT & LIME	
-Landfill or offsite name/permit number? CITY OF CHA	RLESTON LANDFILL	•
Permittee shall provide written notice to the Office of Oil and Ga West Virginia solid waste facility. The notice shall be provided where it was properly disposed.		
I certify that I understand and agree to the terms and co on April 1, 2016, by the Office of Oil and Gas of the West Virgi provisions of the permit are enforceable by law. Violations of an or regulation can lead to enforcement action. I certify under penalty of law that I have personally application form and all attachments thereto and that, based on m the information, I believe that the information is true, accurate submitting false information, including the possibility of fine or	nia Department of Environmental Protection. It is y term or condition of the general permit and/or of examined and am familiar with the information by inquiry of those individuals immediately respons, and complete. I am aware that there are significant.	inderstand that the ther applicable law submitted on this as ible for o btaining
Company Official Signature		
Company Official (Typed Name) RYAN E. M. CUNNINGHA	VI	
Company Official Title PRESIDENT		
	December 20 18 Notary Public	Constitution (Constitution) Constitution (Constitution) Constitution (Constitution) Constitution (Constitution) Constitution (Constitution)
My commission expires	3022	TO CANOS (

Operator's Well No. HAYS #5H

Proposed Revegetation Treatm		2.95	Preveg etation pH		
Lime 3	Tons/acre or to correc	et to pH6	.5		
Fertilizer type	10-10-10				03/01/2
Fertilizer amount	1/3 TON	lbs/acre			
MulchHA	Y - 2	_Tons/acre			
		Seed Mixtures			
Tem	porary		Permaner	nt	
Seed Type	Ibs/acre	•	Seed Type	Ibs/acre	
KY - 31	40	ORC	CHID GRASS	15	
ALSIKE CLOVER	5	ALSI	KE CLOVER	5	
ANNUAL RYE	15				
Maps(s) of road, location, pit a provided). If water from the pit, W), and area in acres, of the	it will be land applied, pro ne land application area.	ovide water volume	s engineered plans includin , include dimensions (L, W	g this info have , D) of the pit, a	been nd dimensio
Maps(s) of road, location, pit a provided). If water from the pit (I, W), and area in acres, of the Photocopied section of involved Plan Approved by:	it will be land applied, prone land application area. ed 7.5' topographic sheet.	ovide water volume	, include dimensions (L, W	, D) of the pit, a	nd dimension
Maps(s) of road, location, pit a provided). If water from the pit (L, W), and area in acres, of the Photocopied section of involved Plan Approved by:	it will be land applied, prone land application area. ed 7.5' topographic sheet.	ovide water volume	, include dimensions (L, W	, D) of the pit, a	nd dimension
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Maps(s) of road, location, pit a provided). If water from the pit (I, W), and area in acres, of the Photocopied section of involved Plan Approved by:	it will be land applied, prone land application area. ed 7.5' topographic sheet.	ovide water volume	, include dimensions (L, W	, D) of the pit, a	nd dimension
Maps(s) of road, location, pit a provided). If water from the pit I, W), and area in acres, of the Photocopied section of involved Plan Approved by:	it will be land applied, prone land application area. ed 7.5' topographic sheet.	ovide water volume	, include dimensions (L, W	, D) of the pit, a	nd dimension
Maps(s) of road, location, pit a provided). If water from the pit (I, W), and area in acres, of the Photocopied section of involved Plan Approved by:	it will be land applied, prone land application area. ed 7.5' topographic sheet.	ovide water volume	, include dimensions (L, W	, D) of the pit, a	nd dimension
Attach: Maps(s) of road, location, pit a provided). If water from the pi (L, W), and area in acres, of the Photocopied section of involved. Plan Approved by: Comments:	it will be land applied, prone land application area. ed 7.5' topographic sheet.	wide water volume	, include dimensions (L, W	, D) of the pit, a	nd dimension

WW-9-GPP Rev. 5/16

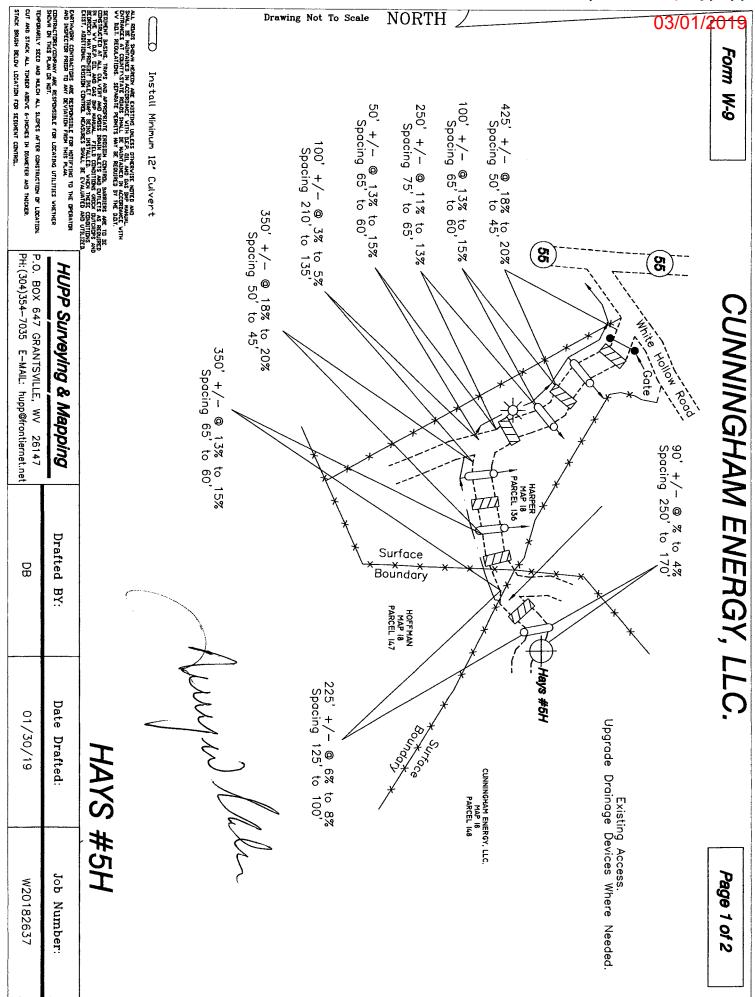
I	Page	_of	
API Number 47 -	039 -	- ,	
Operator's Well No	HAYS #5H		

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

19

GROUNDWATER PROTECTION PLAN		03/01/20	
Operator Name: CUNNINGHAM ENERGY, LLC			
Vatershed (HUC 10): ELK RIVER	Quad: BLUE CREEK 7.5		
Farm Name: HAYS HEIRS, ET. AL.			
List the procedures used for the treatment and dischargroundwater.	arge of fluids. Include a list of all operations that c	ould contaminate the	
NO PIT.			
2. Describe procedures and equipment used to protect g	roundwater quality from the list of potential contar	ninant sources above.	
NO PIT.			
2. Vist the classes with the distance of the classes			
 List the closest water body, distance to closest wat discharge area. 	er body, and distance from closest Well Head P	rotection Area to the	
NO PIT.			
4. Summarize all activities at your facility that are alrea	dy regulated for groundwater protection.		
NO PIT.			
5. Discuss any existing groundwater quality data for you	our facility or an adjacent property.		

Rev. 5/16	Pageof
1001. 5/10	API Number 47 - 039 -
	Operator's Well No. HAYS #5H
NO PIT.	
NO PII.	
	03/01/201
6. Provide a statement that no waste material will be used for	or deicing or fill material on the property.
NO PIT.	
7. Describe the groundwater protection instruction and tra	
provide direction on how to prevent groundwater contam	ning to be provided to the employees. Job procedures shall
NO PIT.	
NO PIT.	
B. Provide provisions and frequency for inspections of all G	RP elements and equipment.
NO PIT.	
NO PIT.	
	. 1
Signature:	
nu Inlialia	
Date: 12 18 18	



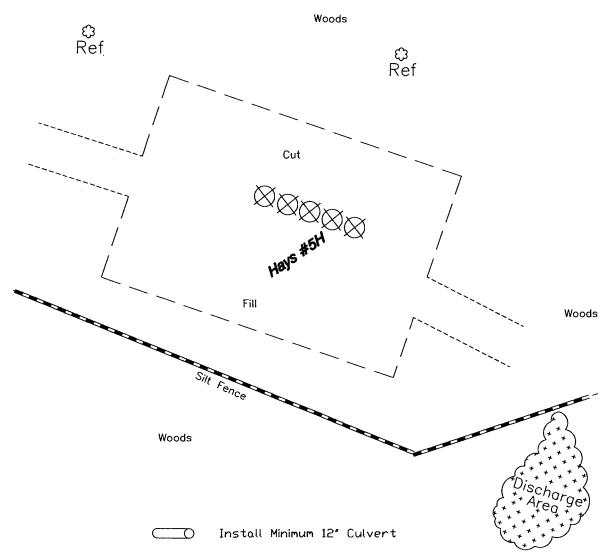
03/01/2019

Form W-9

Woods

CUNNINGHAM ENERGY, LLC. HAYS #5H

Page 2 of 2



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH DEP. DIL AND GAS BHP MANUAL. ENTRANCES AT COUNTY-STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH VV D.C.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.C.T.

SEDIMENT BASINS, TRAPS AND APPROPRIATE ERUSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS BRAIN INLETS AND DUTLETS AS REQUIRED IN THE VV DEP. CIII. AND GAS BMP MANIAL. FIELD CONDITIONS GROCK CUTCROPS AND BEDROCKY MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST, ADDITIONAL ERISION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFYING TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

CONTRACTORS/COMPANY ARE RESPONSIBLE FOR LOCATING UTILITIES WHETHER SHOWN ON THIS PLAN OR NOT.

TEMPORARILY SEED AND MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION CUT AND STACK ALL TIMBER ABOVE 6-INCHES IN DIAMETER AND THICKER.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

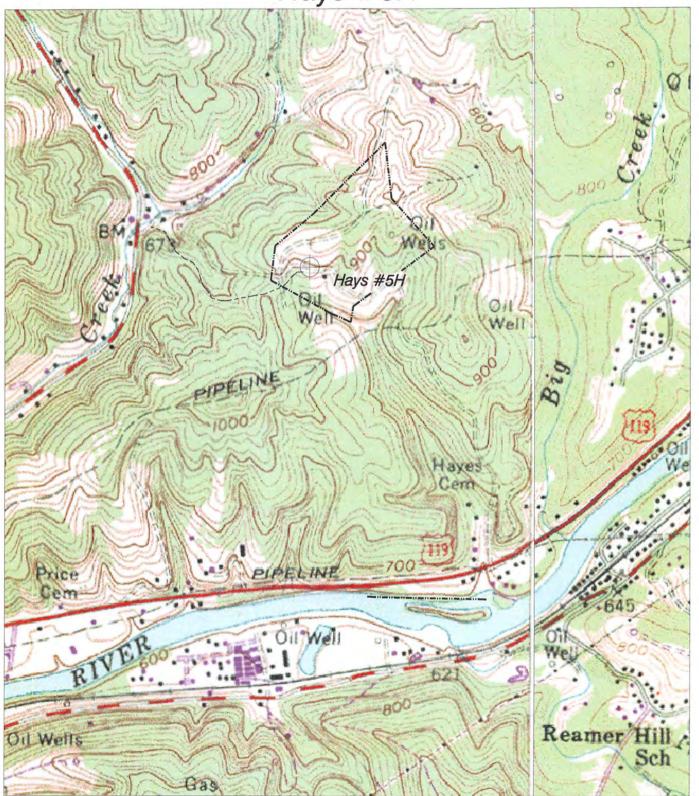
HUPP Surveying & Mapping	Drafted BY:	Date Drafted:	Job Number:	
P.O. BOX 647 GRANTSVILLE, WV 26147 PH:(304)354-7035 E-MAIL: hupp@frontiernet.net	DB	01/30/19	W20182637	

03/01/2019

Form W-9

Cunningham Energy, LLC. Hays #5H

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HUPP Surveying & Mapping

P.O. BOX 647 GRANTSVILLE, WV 26147 PH:(304)354-7035 E-MAIL: hupp@frontiernet.net 1" = 1000' Blue Creek Quad Cunningham Energy, LLC. 3230 Pennsylvania Ave. Charleston, WV 25302

