

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 15, 2019 WELL WORK PERMIT Horizontal / New Drill

CUNNINGHAM ENERGY LLC 3230 PENNSY LVANIA AVENUE

CHARLESTON, WV 25302

Re: Permit approval for HAYS 1H 47-039-06388-00-00

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 1H

Farm Name: CUNNINGHAM ENERGY, LI

U.S. WELL NUMBER: 47-039-06388-00-00

Horizontal New Drill Date Issued: 02/15/2019

02/22/2019

PERMIT CONDITIONS (TB 2/15/19

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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

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)

Depths Set

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

	or: COMM	NGHAM EN	NERGY, LLC	494508594	KANAWHA	BIG SANDY	BLUE CREEK
				Operator ID	County	District	Quadrangle
2) Operator's V	Well Numb	er:HAYS	3 1H		3) Elevation:	872'	3
) Well Type: (a) Oil_X	or Ga	IS				
(b) If Gas:	Produ	ction X / Un	derground Sto	rage		
		Deep		Shallow X			
6) Proposed To 7) Approximate	otal Depth e fresh wa	:2000TVD/ ter strata		Formation at F	Proposed Tar Proposed Total	rget Depth: _ al Depth: <u>WE</u>	2,000 IR
3) Approximate	e sait wate	er deptns	; 1475 - 1525			OVE	H 1149
) Approximate	e coal sea	m depths	S: NO COAL LIS	STED ON TITLE		GL.	AMT 275
0) Approxima	te void de	pths,(coa	al, Karst, other):	NONE			AMT 275 SIR 5 PE (2/20
					IONE		(2)20
i) Does land	contain co	oai seam	s tributary to ac	uve mine?	TONE		_
2) Describe pro	onosed we	Il work on	of Course of the second			1 1 1 10	
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RILL AND STIMHOE SYSTEM 3) TYPE Conductor	AND PERI SPECIFIC Size 20"	SHALLO FORATE. CA ATIONS Grade LS	SING AND TU Weight per ft 65LBS	BING PROGR FOOTAGE For Drilling	AM TO RUN TO AM INTERVALS Left in Well 30'	CEME CTS	NT . Ft.)
RILL AND STIMHOE SYSTEM 3) TYPE Conductor Fresh Water	AND PERI	SHALLO FORATE. CA ATIONS Grade LS	SING AND TU	BING PROGR FOOTAGE	AM TO RUN TO AM INTERVALS Left in Well	CEME	NT . Ft.)
RILL AND STIMHOE SYSTEM 3) TYPE Conductor Fresh Water Coal	SPECIFIC Size 20" 13 3/8"	SHALLO FORATE. CA ATIONS Grade LS	Weight per ft 65LBS 43.6 LBS	BING PROGR FOOTAGE For Drilling	AM TO RUN TO AM INTERVALS Left in Well 30'	CEME CTS	NT . Ft.)
RILL AND STIN HOE SYSTEM	SPECIFIC Size 20" 13 3/8"	SHALLO FORATE. CA ATIONS Grade LS LS	Weight per ft 65LBS 43.6 LBS	BING PROGR FOOTAGE For Drilling 30' 400'	AM TO RUN TO AM INTERVALS Left in Well 30' 400'	CEME CTS	NT . Ft.)
RILL AND STINHOE SYSTEM 13) TYPE Conductor Fresh Water Coal Intermediate	SPECIFIC Size 20" 13 3/8"	SHALLO FORATE. CA ATIONS Grade LS LS AT-50	Weight per ft 65LBS 43.6 LBS	BING PROGR FOOTAGE For Drilling 30' 400'	AM TO RUN TO AM INTERVALS Left in Well 30' 400'	CTS	NT . Ft.)
RILL AND STIMHOE SYSTEM 3) TYPE Conductor Fresh Water Coal Intermediate Production	SPECIFIC Size 20" 13 3/8"	SHALLO FORATE. CA ATIONS Grade LS LS AT-50	Weight per ft 65LBS 43.6 LBS	BING PROGR FOOTAGE For Drilling 30' 400'	AM TO RUN TO AM INTERVALS Left in Well 30' 400'	CTS	NT . Ft.)

WW-	AS
(Rev.	6-14)

1). Date: **DECEMBER 20, 2018** 2.) Operator's Well Number HAYS #1 H Permit State County 47-

KANAWHA

3.) API Well No .:

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

(a) Name	CHAININGHAM ENERGY H.C.	5) (a) Coal Operator	
(a) Name	CUNNINGHAM ENERGY, LLC	Name	
Address	3230 PENNSYLVANIA AVE PUN	Address	
A-V Manage	CHARLESTON, WV 25302	(h) O = 1 O = = = (a) with D = elemetics	
(b) Name	-	(b) Coal Owner(s) with Declaration	
Address		Name	
	-	Address	
(c) Name		Name	
Address		Address	
6) Inspector	TERRY URBAN	(c) Coal Lessee with Declaration	
Address	P.O. BOX 1207	Name	
	CLENDENIN, WV 25045	Address	
Telephone	304-549-5915		
2.27	TO THE PERSONS NA	MED ABOVE TAKE NOTICE THAT:	
Included is t		contract or contracts by which I hold the right to e	extract oil and gas
OR .		130 1 30 1 1 3 2 1 1 2 1 1 2 1 1 2 1 1 1 1 1 1 1	
	- t-fttt		. /
Included is the		, Article 6, Section 8(d) of the Code of West Virgin	
Included is the local certify	hat as required under Chapter 22-6	of the West Virginia Code I have served copies	of this notice and
Included is the local certify	hat as required under Chapter 22-6		of this notice and
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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	Connaham	theran LLC
12.000		Operator well number	494508594	00

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

<u>Time Limits and methods for filing comments.</u> 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.

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, ETC.		
	Date	Name Cuningham Fheray UC		
Signature		Its Prisident Dro Office obate and	Gas	
Print Name		Signature Environmental Protection	<u>}</u>	

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County_KANAWHA Operator_CUNNINGHAM ENERGY, LLC	Operator's Well Numb	per HAYS #1H
INSTRUCTIONS TO CO	DAL OPERATOR, OWN	NER, OR LESSEE
To the coal operator, owner, or les any objection you wish to make or are req with the Chief of the Office of Oil and Gas by the Office. Mail objections to:	uired to make by WV C	
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 operatorlocation has examined this proposed well location, the well location has been added work proposed to be done at this location, requirements of the West Virginia Code an	location. If a mine map to the mine map. The provided, the well oper	undersigned has no objection to the rator has complied with all applicable
FOR EXECUTION BY A NATURAL PERSON	FOR E	XECUTION BY A CORPORATION, ETC.
Date Signature		CUNNINGHAM ENERGY, LL YAN E. M. CUNNINGHAM Pressides F Date 13/5
		Signature Date

Office of Oil and Gas

DEC 2 1 2018

WV Department of Environmental Protection

WW-2A1 (Rev. 1/11)

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

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 ac quired from the appropriate authority before the affected activity is initiated.

Well Operator: By:Its: CUNNINGHAM ENERGY, LLC

PRESIDENT

DEC 21 2018

Oil and Gas

WV Department of

WW-2B1 (5-12)

Well No.	HAYS #1H
----------	----------

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.

RECEIVED
Office of Oil and Gas

DEC 2 1 2018

W Department of Environmental Protection

47-039-06388H 02/22/2019

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 #1H

There appears to be three (3) potable water source within 1,500' of Hays #1H, 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 Ans 28.18

RECEIVED
Office of Oil and Gas

FEB 0 8 REC'D

WV Department of Environmental Protection WW-9 (5/16)

API Number 47 -	039	
Operator's Well N		

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	02/22/2019
	Quadrangle BLUE CREEK 7.5'	
Do you anticipate using more than 5,000 bbls of water to complete the Will a pit be used? Yes No V		
Will a synthetic liner be used in the pit? Yes	√ If so, what ml.?	
Proposed Disposal Method For Treated Pit Wastes:		_
Land Application (if selected provide a con Underground Injection (UIC Permit Numb Reuse (at API Number	2D0392210	
Off Site Disposal (Supply form WW-9 for Other (Explain	disposal location)	
Will closed loop systembe used? If so, describe: Yes, we will utilize Drilling medium anticipated for this well (vertical and horizontal)? A		VATER
-If oil based, what type? Synthetic, petroleum, etc.		
Additives to be used in drilling medium? SOAP; KCL and/or CLAY ST	[ABILIZER	
Drill cuttings disposal method? Leave in pit, landfill, removed offsite.	the state of the s	
-If left in pit and plan to solidify what medium will be used?		
-Landfill or offsite name/permit number? CITY OF CHARLES		
Permittee shall provide written notice to the Office of Oil and Gas of a West Virginia solid waste facility. The notice shall be provided within where it was properly disposed.	any load of drill cuttings or associated wast 24 hours of rejection and the permittee sha	e rejected at any ill also disclose
I certify that I understand and agree to the terms and condition on April 1, 2016, by the Office of Oil and Gas of the West Virginia I provisions of the permit are enforceable by law. Violations of any term or regulation can lead to enforcement action. I certify under penalty of law that I have personally examing application form and all attachments thereto and that, based on my inquities information, I believe that the information is true, accurate, and submitting false information, including the possibility of fine or imprission. Company Official Signature Company Official Title PRESIDENT	Department of Environmental Protection. In or condition of the general permit and/or oned and am familiar with the information uity of those individuals immediately response.	understand that the other applicable law submitted on this
Subscribed and sworn before me this	Notary Public Notary	对下点型 的条件。
My commission expires January 23 2020	Z my	Production and Co.

Plan Approved by:
comments: LOAD WILL be upgraded to hawdle testic for 22-6A
PERMH to Include All SEE ON LOCATION, Lease Rd and
Comments: DAD WILL be upcreded to hawelle traffic for 22-64 PERMIT TO Include All SEE ON LOCATION, Lease Rd and Private Drive, This is for All permits, 36-6210 Will be plugged before Drilling is Started ON Hogges Pan
Will be Phyged before Drilling is @ Startulow
A 2/11
Title: Date: 2-8-15
Field Reviewed? ()No

WW-9- GPP Rev. 5/16

	Page	of	_
API Number 47	- 539	_ •	
Operator's Well	No. HAYS #1	H	

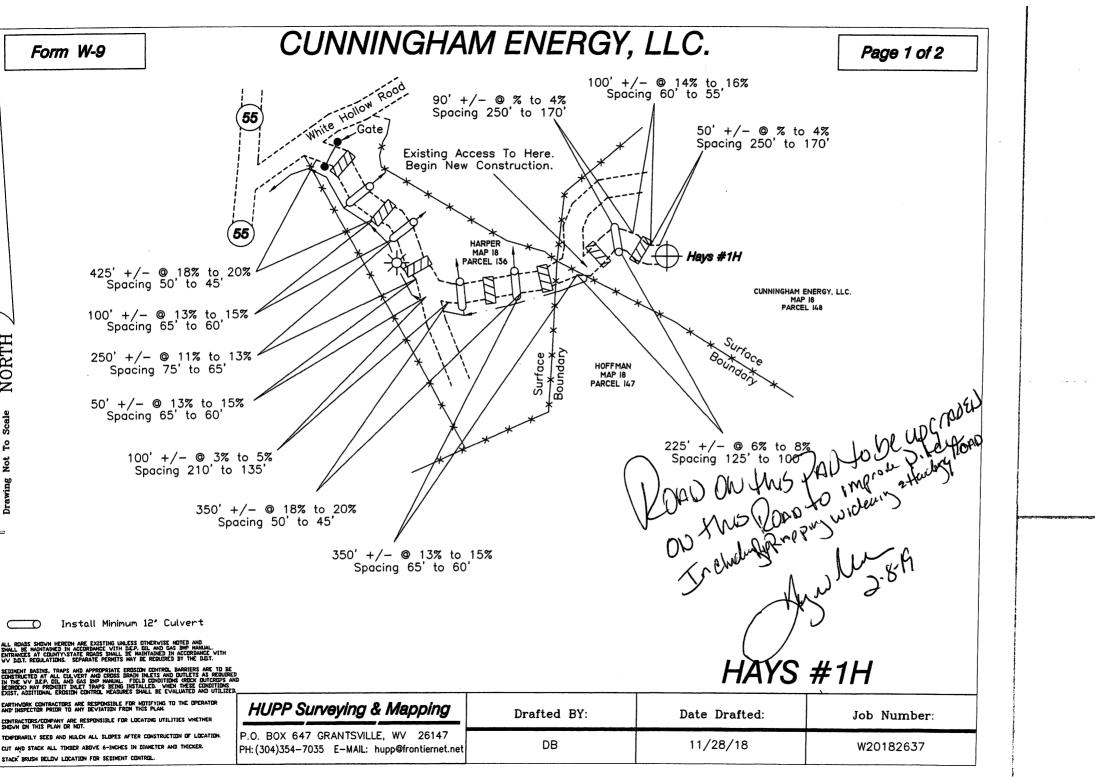
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS GROUNDWATER PROTECTION PLAN

02/22/2019

Operator Name: CUNNINGHAM ENERGY, LLC Watershed (HUC 10): ELK RIVER	Quad: BLUE CREEK 7.5'
arm Name: HAYS HEIRS, ET. AL.	
	harge of fluids. Include a list of all operations that could contaminate the
NO PIT.	2019
. Describe procedures and equipment used to protect	groundwater quality from the list of potential contaminant sources above
NO PIT.	
List the closest water body, distance to closest we discharge area.	ater body, and distance from closest Well Head Protection Area to the
NO PIT.	
. Summarize all activities at your facility that are alre	ady regulated for groundwater protection.
	ady regulated for groundwater protection.
	eady regulated for groundwater protection.
. Summarize all activities at your facility that are alre NO PIT.	eady regulated for groundwater protection.
	eady regulated for groundwater protection.

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

WW-9- GPP]	Page	of
Rev. 5/16	API Number 47 -	039 -	
	API Number 47 - Operator's Well No	HAYS #1 4	
NO PIT.			
140 F11.			
			02/22/2019
			7
			i
6. Provide a statement that no waste material will be used for deicing or	fill material on the proper	rty.	
NO PIT.			
 Describe the groundwater protection instruction and training to be provide direction on how to prevent groundwater contamination. 	provided to the employee	es. Job proc	edures shall
NO PIT.			
		 	
8. Provide provisions and frequency for inspections of all GPP elements	and equipment.		
NO PIT.			
NO PII.			
Signature:			
Date: 12/20/164			
1 autout			



CUNNINGHAM ENERGY, LLC. HAYS #1H Page 2 of 2 Form W-9 02/22/2019 భ Ref Woods Hays #1H Woods Woods

ALL ROADS SHOWN HEREIN ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MADITADED IN ACCORDANCE VITH DEP. DIL AND GAS BUY MANUAL ENTRANCES AT COUNTYSTATE ROADS SHALL BE MADITADED IN ACCORDANCE VITH VV DUT. REGULATIONS. SEPARATE PERROTS MAY BE REGULATED BY THE DUT.

Install Minimum 12" Culvert

SEDIENT BASINS, TRAPS AND APPEOPRIATE DRISKING CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CLYVERT AND CROSS BRADN BLETS AND BUTLETS AS DESCRIBED IN THE VV REP. BIL AND GAS BY MANAL. FIELD CONCUTIONS GROCK DUTCHIPS AND BEDROOGO MAY PRODUCT BALL TRAPS BEDROOGN DAY FROM THESE CONCUTIONS EDGES, ADDITIONAL PRESIDENCE CONTROL NEASURES SHALL BE EVALUATED AND UTILIZED.

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

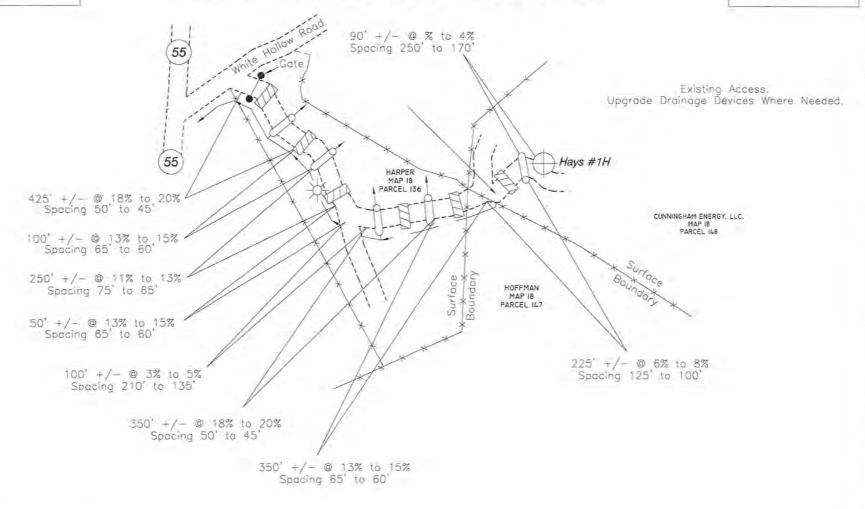
SHOWN ON THIS PLAN OR NOT.

TEMPORARILY SEED AND MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.
CUT AND STACK ALL TIMBER ABOVE 8-DICHES IN INJUNETER AND TRICKER.
STACK BRUSH BELIEV LOCATION FOR SEDDMENT 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	12/20/18	W20182637

Form W-9 CUNNINGHAM ENERGY, LLC.

Page 1 of 2



Install Minimum 12' Culvert

ALL SOMES THOWN PERCON ARE ENTITING UNLESS DIMERVISE MOTED AND SHALL SE MANTAINED IN ACCEPTANCE VITH DEP 101, AND GAS ARP MANDAL ENTENDES SHALL SE MANTAINED IN ACCEPTANCE WITH VIDIT SETULATIONS, SEPARATE SERVETS MAY BE REQUIRED BY THE DILT.

SIGNAMI BASINS, PAPS AND APPOPRIATE EMISSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL COLVERT AND GROSS DRAIN INLETS AND COLVERTS AS REQUIRED IN THE VAY DEP. COL AND GAS BAP WANGE. FIELD CONDITIONS GROOK DUTCHOPS AND EMISSION HAY PROMOST INLET BARRY SERVE INSTALLED. WHEN THESE CONDITIONS EXIST, ADDITIONAL EMISSION CONTROL MEASURES SHALL BE CAVALIATED AND UTILIZED.

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

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

TEMPORABILY SEED AND MUCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION CUT AND STACK ALL TIMBER ABOVE A-INCHES IN DIAMETER AND TYDOXER. STACK BRUSH BELDY LOCATION FOR SCONENT CONTROL. HAYS #1H

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

Form W-9

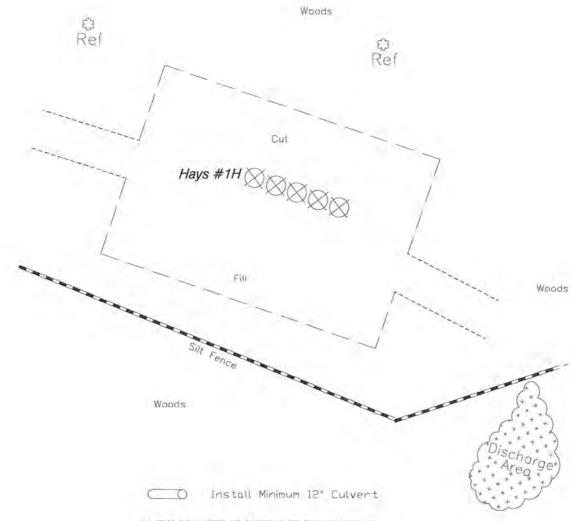
Woods

CUNNINGHAM ENERGY, LLC. HAYS #1H

Page 2 of 2

NORTH

Drawing Not To Scale



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS DIMERNISE NOTED AND
SHALL BE MAINTAINED IN ACCORDANCE WITH DEP. DIL AND GAS BMP MANUAL
ENTRANCES AT COUNTYSTATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH
WV D.D.T. REGULATIONS: SEPARATE PERMITS MAY BE REQUIRED BY THE D.D.T.

SEDIMENT BASINS, TRAPS AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS BRAIN INLETS AND OUTLETS AS REQUIRED IN THE VV DEP, OIL AND GAS BMP AMAILAL, FILED CONDITIONS KROKE QUICKGREPS AND BERRICKS MAY PROHIBIT INLET TRAPS BEING INSTALLED. VARIN THESE CONDITIONS EXIST, ADDITIONAL REGISION 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

EDNTRACTORS/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 BELDY 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

Cunningham Energy, LLC. Page 1 of 1 Form W-9 Hays #1H 2/2019 OilWell

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

Reamer Hi

