

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

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Monday, October 31, 2022 WELL WORK PERMIT Horizontal 6A / New Drill

EQT PRODUCTION COMPANY 625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re:

Permit approval for Haggard 16H

47-103-03532-00-00

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. Mar

Chief

Operator's Well Number: Haggard 16H

Farm Name: Amie Lee Henderson

U.S. WELL NUMBER: 47-103-03532-00-00

Horizontal 6A New Drill

Date Issued: 10/31/2022

API	Num	her

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) 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

- This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed
- 2. 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 § 22-6A-5a (12), 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 (20) feet of casing below the bottom of the void or install less than twenty
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule satisfied Water Well Regulations, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well.
- Pursuant to the requirements pertaining to the sampling of demastic water supply wells/springs the operator
 shall, no later than thirty (30) days after receipt of snalytical data provide a written copy to the Chief and sny
 of the users who may have requested such analyses.
- 7. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or carious personal injury occurs in or about a well or explosion or a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the easing and comenting process, in the event coment does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

4710303532

api	Number:	

PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Gao the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, execution of drilling completion of any other pennitted well work, and completion of the well. Such notice shall be provided by sanding an email to DEPOOGNotify@wv.gov.

API NO. 4747 1-0 3 0 3 5 3 2

OPERATOR WELL NO. 16H
Well Pad Name: Haggard

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

				/	
Well Operator: EQT Produc	tion Company	306686	Wetzel	Center	Littleton
	/	Operator ID	County	District	Quadrangle
2) Operator's Well Number: 16H	· '	Well P	ad Name: Hag	gard	
3) Farm Name/Surface Owner:	Amie Lee Henders	son Public Ro	oad Access: Cl	R 8/2	
4) Elevation, current ground:	1,512' E	levation, propose	d post-construc	ction: 1,512'	
5) Well Type (a) Gas X Other	Oil	Un	derground Stor	rage	
(b)If Gas Shal	low X	Deep			
100	izontal X				
6) Existing Pad: Yes or No Yes	- Currently Under	Construction			
7) Proposed Target Formation(s) Marcellus, 7,618', 47', 2,620 ps	, Depth(s), Antic		and Expected	Pressure(s):	
8) Proposed Total Vertical Depth	1: 7,618'				
9) Formation at Total Vertical D		/			
10) Proposed Total Measured De	epth: 17,879'				
11) Proposed Horizontal Leg Le	/	,			
12) Approximate Fresh Water St	rata Depths:	443'			
13) Method to Determine Fresh	Water Depths:	Offset wells: 47-10	3-02236, 47-10	3-02647	
14) Approximate Saltwater Dept	hs: No deep wat	er shows listed in of	ffsets		
15) Approximate Coal Seam Dep	oths: 1,317'-1,32	20'; 1,415'-1,420'	1		
16) Approximate Depth to Possi			N/A		
17) Does Proposed well location directly overlying or adjacent to		Yes	1	No X	
(a) If Yes, provide Mine Info:	Name:				
	Depth:		RECEIVED		
	Seam:		Office of Oil and G		
	Owner:		AUG 2 2 202	2	
		En	WV Departmental	of ction	

API NO. 44-7 10 30 3 5 3 2

OPERATOR WELL NO. 16H
Well Pad Name: Haggard

18)

CASING AND TUBING PROGRAM

ТҮРЕ	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	26	New	A252 GR3	85.6	40	40	50 ft^3 / CTS
Fresh Water	13 3/8	New	J-55	54.5	1470	1470 -	1325 ft^3 / CTS
Coal							
Intermediate	9 5/8	New	J-55	36	2908	2908 -	1100 ft^3 / CTS
Production	6	New	P-110	24	17879	17879	500' above intermediate casing
Tubing							
Liners							

Kenneth Greynolds (Spirit) - Kazunti Deprete und - Kazunti Deprete

ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	<u>Cement</u> <u>Yield</u> (cu. ft./k)
Conductor	26	30	0.312	1000	18	Class A/L	1.04 - 1.20
Fresh Water	13 3/8	17 1/2	0.380	2730	2184	Class A/L	1.04 - 1.20
Coal							
Intermediate	9 5/8	12 3/8	0.352	3520	2816	Class A/L	1.04 - 1.20
Production	6	8 1/2	0.400	14580	11664	Class A/H/L	1.04 - 2.10
Tubing							
Liners							

PACKERS

Kind:	
Sizes:	RECEIVED
Depths Set:	Office of Oil and Gas
	SEP 28 2022

WV Department of Environmental Protection

API NO. 47-47 1	0	3	0	3	5	3	2
OPERATOR WELL							
Well Pad Name:	Ha	ggard					

19)	Describe proposed	well work.	including the	drilling and	plugging back	of any	pilot hole:
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Drill and complete a new horizontal well in the Marcellus Formation. Drill the vertical, kick off and drill curve. Drill the lateral in the Marcellus. Cement casing.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Hydraulic fracturing is completed in accordance with state regulations using water recycled from previously fractured wells and obtained from freshwater sources. This water is mixed with sand and a small percentage (less than 0.1%) of chemicals (including 15% Hydrochloric acid, friction reducer, biocide, and scale inhibitor), referred to in the industry as a "slickwater" completion. Maximum anticipated internal casing pressure is expected to be approximately 10,000 psi, maximum anticipated treating rates are expected to average approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 350,000 gallons of water per stage. Sand sizes vary from 100 mesh to 20/40 mesh. Average approximately 200,000-600,000 pounds of proppant per stage.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 15.24 acres

22) Area to be disturbed for well pad only, less access road (acres): 8.84 acres

23) Describe centralizer placement for each casing string:

- Surface: Bow spring centralizers One centralizer at the shoe and one spaced every 500'.
- Intermediate: Bow spring centralizers— One centralizer at the shoe and one spaced every 500'.
- Production: One solid body centralizer spaced every joint from production casing shoe to KOP.

24) Describe all cement additives associated with each cement type:

Conductor: Class A no additives

Surface: Calcium Chloride. Used to speed the setting of cement slurries

Intermediate: Calcium Chloride. Used to speed the setting of cement slurries.

Production: Calcium Carbonate, Fluid Loss, Extender, Dispersent, Viscosifier, Defoamer, POZ, Bonding Agent, Retarder,

Anti-Settling/Suspension Agent

25) Proposed borehole conditioning procedures:

Surface: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.

Intermediate: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface

Production: Perform a cleanup cycle by pumping 3-8 bottoms up or until the shakers are clean. Check volume of cuttings coming across the shakers every 15 minutes.

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*Note: Attach additional sheets as needed.

AUG 2 2 2022



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 dep.wv.gov

March 18, 2014

Nabors Completion & Production Services Company 1380 Route 286 Hwy E #121 Indiana PA 15701

Re: Cement Variance Request

Dear Sir or Madam,

This agency is approving a variance request for the cement blend listed below to be used on surface and coal protection strings for the drilling of oil and gas wells in the state of West Virginia. The variance cannot be used without requesting its use on a permit application and approval by this agency:

Type 1 (2% Calcium Chloride-Accelerator, 0.25% Super Flake-Lost Circulation, 5.2% Water, 94% Type "1" Cement)

If you have any questions regarding this matter feel free to contact me at 304-926-0499, ext. 1653.

anes

Environmental Resources Specialist / Permitting

Promoting a healthy environment.

AUG : 2 2022



EQT PRODUCTION COMPANY 400 Woodcliff Drive | Canonsburg, PA 15317

August 15, 2022

Mr. Taylor Brewer West Virginia Department of Environmental Protection Office of Oil and Gas 601 57th Street SE Charleston, WV 25304

Re: Casing on Haggard 16H

Dear Mr. Brewer,

The 13-3/8" surface casing will be set at 1,470' KB, 50' below the deepest workable coal seam and 1,027' below the deepest fresh water. The 9-5/8" intermediate string will be set at 2,908' KB, 50' below the base of the Big Injun formation.

If you have any questions, please do not hesitate to contact me at 724-746-9073.

Sincerely,

John Zavatchan

Project Specialist - Permitting

Enc.

Office of Oil and Gas

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WV Department of Environmental Protection



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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 dep.wv.gov

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

IN THE MATTER OF A VARIANCE FROM)	ORDER NO.	2014 - 17
REGULATION 35 CSR § 4-11.4/11.5/14.1)		
AND 35 CSR § 8-9.2.h. 4/5/6/8 OF THE)		
THE OPERATIONAL)		
REGULATIONS OF CEMENTING OIL)		
AND GAS WELLS)		

REPORT OF THE OFFICE

Nabors Completion & Production Services Co. requests approval of a different cement blend for use in cementing surface and coal protection casing of oil and gas wells.

FINDINGS OF FACT

- 1.) Nabors Completion & Production Services Co. proposes the following cement blend:
 - · 2% Calcium Chloride (Accelerator)
 - · 0.25 % Super Flake (Lost Circulation)
 - 94% Type "1" Cement
 - · 5.20 % Water
- Laboratory testing results indicate that the blend listed in Fact No.1 will achieve a 500
 psi compressive strength within 6 hours and a 2,435 psi compressive strength within 24
 hours.

Promoting a healthy environment.

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WV Department of Environmental Protection

CONCLUSIONS OF LAW

Pursuant to Articles 6 and 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter embraced in said notice, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to 35 CSR § 4-11.5 and 35 CSR § 8-9.2.h.8 the Chief of the Office of Oil and Gas may approve different cement blends upon the well operator providing satisfactory proof that different cement types are adequate.

ORDER

It is ordered that Nabors Completion & Production Services Co. may use the cement blend listed in Findings of Fact No.1 for the cementing of surface and coal protection casing of oil and gas wells in the State as may be requested by oil and gas operators. The waiting time on the cement blend shall be 8 hours. The cement blend shall be mixed in strict accordance with the specifications for each blend and weight measurements made on-site to assure the cement slurries meet the minimum weight specifications. A sample shall be collected and, if after 8 hours the cement is not set up, additional time will be required. Nabors Completion & Production Services Co. shall keep a record of cement blend jobs in which the cement blend approved under this order is to be used and made available to the Office of Oil and Gas upon request.

Dated this, the 18th day of March, 2014.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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

James Martin, Chief Office of Oil and Gas

Office of Oil and Gas

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EQT PRODUCTION COMPANY 400 Woodcliff Drive | Canonsburg, PA 15317

September 28, 2022

Mr. Taylor Brewer West Virginia Department of Environmental Protection Office of Oil and Gas 601 57th Street SE Charleston, WV 25304

Re: Class L Cement Variance Request

Haggard 16H Well

Center District, Wetzel County

Dear Mr. Brewer,

EQT Production Company (EQT) has been notified by our cement providers that they will no longer be providing Class A cement. As a result of this, EQT is requesting the option to utilize Class L cement, if necessary, in place of Class A cement for its cement jobs.

The variance request from Legislative Rule 35CSR8, Section 9.2.h.8, related to the use of Class L Cement, was approved by the Office of Oil and Gas on September 13, 2022. A copy of the variance is included with this request.

If you have any questions, please do not hesitate to contact me at 724-746-9073.

Sincerely,

John Zavatchan

Project Specialist - Permitting

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SEP 28 2022

WV Department of Environmental Protection

Enc.



west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, SE Charleston, WV 25304 Phone (304) 926-0450 Harold D. Ward, Cabinet Secretary dep.wv.gov

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

IN THE MATTER OF A VARIANCE FROM)	
LEGISLATIVE RULE 35CSR4)	ORDER NO. 2022-14
SECTION 11.5 AND LEGISLATIVE RULE)	
35CSR8 SECTION 9.2.h.8.,)	
RELATING TO THE CEMENTING)	
OF OIL AND GAS WELLS)	

REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well construction.

FINDINGS OF FACT

- 1. On July 14, 2022, Northeast Natural Energy (NNE) submitted a variance request from Legislative Rule 35CSR8 Section 9.2.h.8., for the use of API Class L cement in place of API Class A cement, relating to the construction of horizontal wells.
- Laboratory analysis submitted by NNE on July 14, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
- 3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR4 Section 11.5., for the use of API Class L cement in place of API Class A cement, relating to the construction of vertical wells.

4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

ORDER

It is ordered that the Class L cement product approved and monogramed by API is approved for use in place of API Class A cement for well construction subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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

James Martin, Chief Office of Oil and Gas

WEST VIRGINIA GEOLOGICAL PROGNOSIS

Horizontal Well

Pad Name

HAGGARD LIT68

Drilling Objectives: Marcellus Quad: Littleton County: Wetzel

1525 KB Recommended Azimuth Degrees 1512 GL

Recommended total wellbore length:

Proposed Logging Suite:

-No Pilot Hole Needed

Coal requirements:

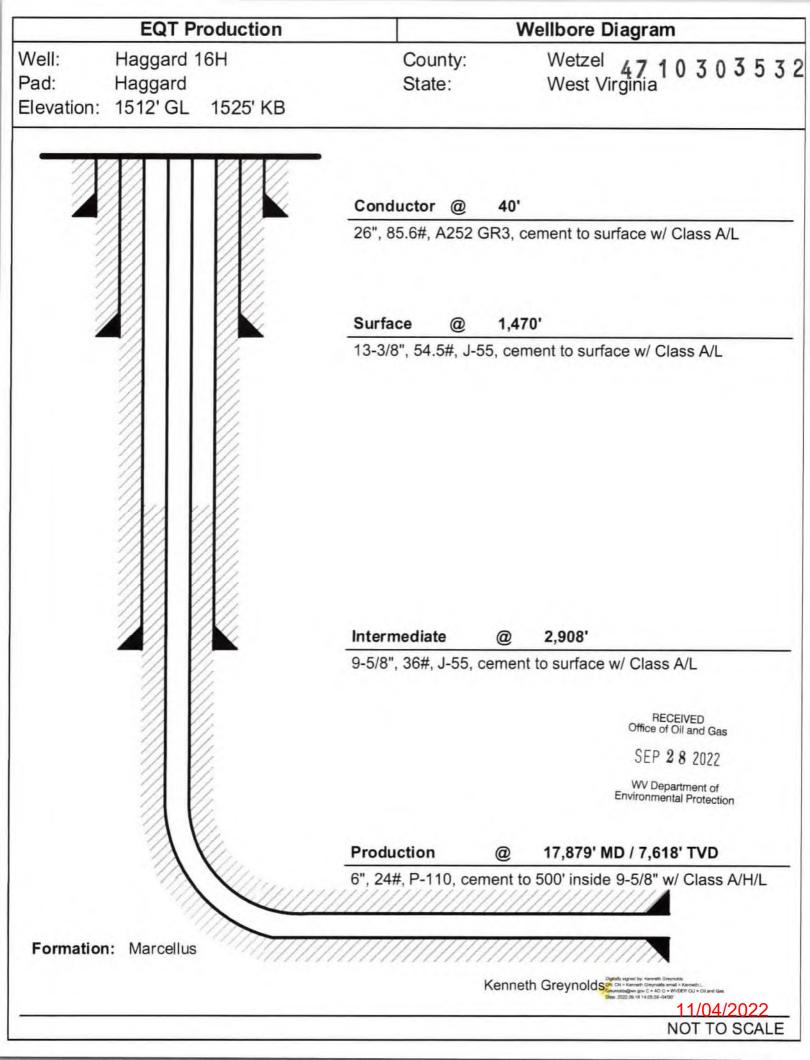
Elevation:

Run a directional survey from the surface through the deepest coal seam

ESTIMATED FORMATION TO	PS.	4710302236	4710302647		
Formation		Top (TVD)	Base (TVD)	Lithology	Comments
Fresh Water Zone		1	443		FW from offsets @ 443,
Sewickley Coal		1317	1320	Coal	RED ROCK SHOWS NOT LISTED IN OFFSETS
Pittsburgh Coal		1415	1420	Coal	No deep water shows listed in offsets
Big Injun		2733	2858	Sandstone	Hydrocarbon prod/show in offset @3170,3450,3603,3650, ,
Int. csg pt		2908			50 ft below Big Injun
Berea		3007	3248	Sandstone	
Gantz		3366	3499	Silty sand	
Fifty foot		3521	3559	Silty sand	Outside of Storage Boundary
Thirty foot		3605	3626	Silty sand	oil shows in offsets, see depths above
Bayard		3673	3765	Sandstone	
Upper Speechley		4117	4178	Silty sand	
Speechley		4178	4262	Silty sand	
Balltown	0	4262	4592	Silty sand	
Bradford 3 <	D B	4592	5735	Silty sand	
Benson 5 2	AUG	5735	6072	Silty sand	
Alexander 3 Q	C,	6072	6531	Silty sand	
Bradford Benson Alexander Elk Sonyea Middlesex Genesee Genesee	22	6072 6531 7222 7349	7222	Silty sand	
Sonyea a a	10	当四7222	7349	Gray shale	
Middlesex 98	2022	7349	7383	Black Shale	
Genesee 9 3	22	7349 7383	7450	Gray shale interbedded	
Geneseo g	, -	7450		Black Shale	
Balldown Bradford Bradford Benson Alexander Elk Sonyea Middlesex Genesee Geneseo Tully		7479	7501	Limestone	
Hamilton		7501	7594	Gray shale with some	
Marcellus		7594	7641	Black Shale	
-Purcell		7614	7616	Limestone	
-Cherry Valley		7626	7628	Limestone	
-Lateral Zone		76			
Onondaga		7641		Limestone	

Note that this is a TVD prog for a horizontal well (azimuth of degrees, target formation = Marcellus). All measurements taken from estimated KB elevation. Water and coal information estimated from surrounding well data.

RECOMMENDED CASING POINTS				Planned Depth	
Conductor:	CSG OD	24"	CSG DEPTH:	40	
Freshwater / Coal	CSG OD	13 3/8"	CSG DEPTH:	1470	50' below deepest mineable coal
Intermediate 1:	CSG OD	9 5/8"	CSG DEPTH	2908	50' below Big Injun
Production:	CSG OD	5 1/2"	CSG DEPTH:	@ TD	



47	1	0	3	0	3	5	3	2
2 0	-	-	~	-	~	~	~	-

API Number 47 -	-
Operator's Well No.	Haggard 16H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name EQT Production Company OP Code 306686	
Watershed (HUC 10) Lower West Virginia Fork Fish Creek Quadrangle Littleton	
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: N/A	
Will a synthetic liner be used in the pit? Yes No ✓ If so, what ml.? N/A	
Proposed Disposal Method For Treated Pit Wastes:	
Land Application	
Underground Injection (UIC Permit Number 0014, 8462, 4037)
Reuse (at API Number Various Off Site Disposal (Supply form WW-9 for disposal location))
Other (Explain_	<u> </u>
Will closed loop system be used? If so, describe: Yes. The closed loop system will remove drill cuttings from the drilling then prepared for transportation to an off-site disposal facility.	ig fluid. The drill cuttings are
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. See	e Attached
-If oil based, what type? Synthetic, petroleum, etc. Synthetic Mud	
Additives to be used in drilling medium? See Attached	
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfill	
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A	
-Landfill or offsite name/permit number? See Attached List	
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the perwhere it was properly disposed.	ated waste rejected at any mittee shall also disclose
Office of	of tection. I understand that the ermit and/or other applicable aformation submitted on this immediately responsible for
	- anni
Treatile and the state of the s	epariment of mental Protection
Subscribed and sworn before me this 8th day of August 20 22	<u>-</u>
The become Notary Public	Commonwealth of Pennsylvania - Notary Sea
My commission expires Maray, 2024	My commission expires March 9, 2024 Commission humber 1267706
	Member, Pennsylvania Association of Notaries

WW-9 Attachment

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

 Air is used to drill the top-hole sections of the wellbore (surface, intermediate, and pilot). Water based mud may be necessary depending on hole conditions to stabilize and drill the intermediate section. The pilot hole, curve, and lateral sections will be drilled with either air, water based mud, or synthetic mud.

Additives to be used in drilling medium?

- Air biodegradable oil lubricant, detergent, defoaming, water.
- Water based mud Barite, viscosifer, alkalinity control, lime, filtration control, deflocculates, biodegradable oil lubricant, defoaming, walnut shell, salt, x-cide, carbonates.
- Synthetic mud synthetic base oil, emulsifier, salt, lime, viscosifer, alkalinity control, filtration control, deflocculates, biodegradable oil lubricant, defoaming, carbonates.

Office of Oil and Gas

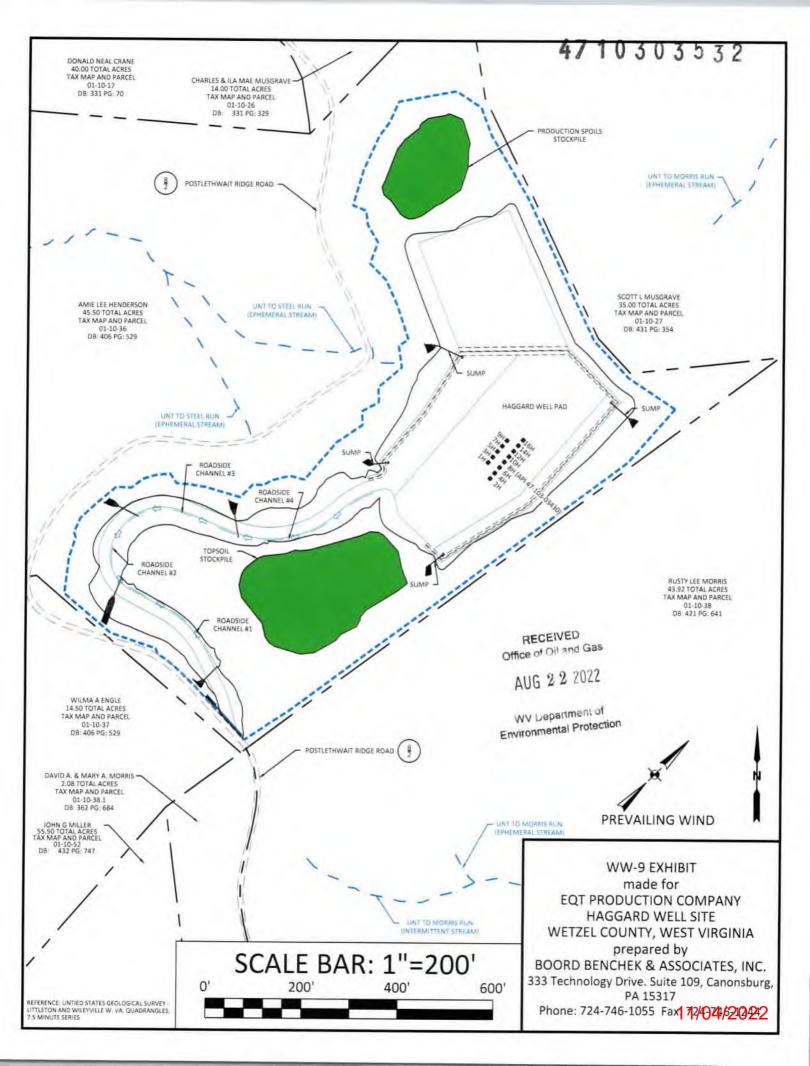
AUG 2 2 2022

WV Department of Environmental Protection

EQT Production Water Plan									
Offsite Disposals for Unconventional Wells Facility Name Address Address 2 City State Zip Phone County State Permit Number									
CWS Trucking Inc.	P.O. Box 391	Address 2		State	Zip	Phone	County	State	Permit Number
CVVS Trucking III.	P.O. BOX 391		Williamstown	wv	26187	740-516-3586	Noble	ОН	3390
Broad Street Energy LLC	37 West Broad Street	Suite 1100		- 	1	<u> </u>	 	<u> </u>	
or other Energy dec	37 West Blosd Street	Suite 1100	Columbus	ОН	43215	740-516-5381	Washingoth	ОН	8462
.AD Liquid Assets Disposal Inc.	226 Rankin Road		10faabia aaaa	 	45324	221 250 2762	-	 	
	220 (18/18/11/1000		Washington	PA	15301	724-350-2760	Ohio	WV	USEPA WV 0014
Friad Energy	PO Box 430		Reno	ОН	45772	740 546 6034			
		 -	Relio	- JOH	45773	740-516-6021 740-374-2940	Noble	OH	4037
					 	740-374-2940	·-	ļ	
ri County Waste Water Management, Inc.	1487 Toms Run Road	-	Holbrook	PA	15341	724-627-7178	Crnana	+	TC 4000
			TO DO DO	1.5	13371	724-499-5647	Greene	PA	TC-1009
				 	_	724-433-3047		 	
King Excavating Co. Advance Waste Services	101 River Park Drive		New Castle	PA	16101	 	Lawrence	PA	PAR000029132
		<u> </u>		 ''' 	10101		Lawrence	-	PANOJO029132
Waste Management - Meadowfill Landfill	Rt. 2, Box 68 Dawson Drive	_	Bridgeport	wv	16330	304-326-6027	Harrison	wv	SWF-1032-98
				 -	 -	1		 	Approval #100785WV
						 -		1	Approva: #100783494
Naste Management - Northwestern Landfill	512 E. Dry Road		Parkersburg	wv	26104	304-428-0602	Wood	wv	SWF-1025 WV-0109400
	<u> </u>					<u> </u>			311 1023 111 0203401
APEX Landfill	11 County Road 78	PO 80x 57	Amsterdam	ОН	43903	740-543-4389	Jefferson	ОН	06-08438
			.]						
dvanced Disposal - Chestnut Valley Landfill	1184 McClellandtown Road		McClellandtown	PA	15458	724-437-7336	Fayette	PA	100419
·	<u></u>								
Vestmoreland Sanitary Landfill	901 Tyrol Boulevard		Belie Vernon	PA	15012	724-929-7694	Westmoreland	PA	100277
					Ĺ			<u> </u>	
Austin Master Services	801 North 1st Street		Martins Ferry	ОН	43935	740-609-3800	Belmont	ОН	2014-541
almost Callida Constant								I	
Jelmont Solids Control	77505 Cadiz-New Athers Road		Cadiz	OH	43907	740-942-1739	Harrison	ОН	2015-511
Disperified Bases	1224.0		 	<u> </u>				ļ	
Diversified Resources	3111 Braun Rd.		Belpre	OH	45714	740-401-0413	Washington	ОН	
	·	 -	· · · · · · · · · · · · · · · · · · ·	 -		ļ		ļ	
			1.	l		740-610-1512			34-031-27177
uckeye Brine	22006 Airmont Board		Coshocton	ОН	43812	724-591-4393		он	34-031-27178
uckeye billie	23986 Airport Road		ļ <u>.</u>		-	_	Coshocton		34-031-27241
entral Environmental Services	28333 West Belpre Pike		Coolville					ļ	<u> </u>
	20000 West beipre Pike	-	Convine	ОН _	45723	304-488-0701	Athens	Oн	_
luverra - Nichols	10555 Veto Road		Palaro	ОН	45714	222 222 5014			
	TOURS TOLO HOLD	-	Belpre	- ton	45714	330-232-5041	Washington	ОН	34-119-2-8775
luverra - Goff	9350 East Pike Road	- -	Norwich	ОН	43767	330-232-5041	Muskingum	OU.	24 467 7 7000
	The state of the s	· · · · · · · ·	140144611	1011	13/0/	330-252-3041	ivioskingum	ОН	34-167-2-3862
luverra - Wolf 🛱 Q	5480 State Route 5		Newton Falls	ОН	44444	330-232-5041	Trumbuli	ОН	24 155 2 1902
= ₹ > ₹			1.14.11.07.11.01.0	 		JJU-232-3041	ii allipuii		34-155-2-1893
Wyorra - Pander 3 4 - Th A	5310 State Route 5		Newton Falls	он —	44444	330-232-5041	Trumbull	ОН	34-155-2-3795
7 0		"-		1	,,,,,,,	350.232-3041		100	34-133-7-3133
uverra - AnnaRock P1 p	3S49 Warner Road	<u> </u>	Fowler	ОН	44418	330-232-5041	Trumbull	ОН	34-155-2-2403
25 7 40				1		232 232 2072		<u> </u>	34-133-2-2403
2022		•	·		'	<u> </u>			
Gas 2022 Protection									
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Petta Enterprises - WV	38 Technology Dr.	Tridelphia	wv -	26059	740-255-5727	Ohio	wv	
Petta Enterprises - OH	745 North 3rd Street	Cambridge	ОН	43725	614-477-1368	Guernsey	ОН	Ohio Chiefs Order 25-01
FQ WIRES	53610 TS Rd 706			+	740-230-2133	Meigs		34-105-2-3651
FQ Mills		Portland	ОН	45770	740-374-2940 412-443-4397 740-236-2135		он	34-105-2-3619 34-105-2-3652 34-105-2-3637
·							†	
FQ Ritchie	122 Lonesome Pine Rd	Ellenboro	wv	26346	412-443-4397 740-236-2135	Ritchie	wv	47-085-09721
			_		740-374-2940	 	+	- -
FQ Dexter	38505 Marietta Rd.			ļ	740-236-2135	Noble		34-121-24086
		Dexter City	он	45727	740-374-2940 412-443-4397		ОН	34-121-24037
						wasnington		34-167-2-9577
FQ Helen	199 Bowersock Road	Reno	ОН	45773	740-374-2940 412-443-4397 740-236-2135		он	

Proposed Revegetation Tre	atment: Acres Disturbed	Prevegetation pl	ł
	Tons/acre or to correc		· <u> </u>
Fertilizer type Gr	anular 10-20-20		
Fertilizer amount_	500	lbs/acre	
		_Tons/acre	
		Seed Mixtures	
Т	emporary	Perma	nent
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		
creage, of the land application	pit will be land applied, incl	application (unless engineered plans includude dimensions (L x W x D) of the pit, and	ing this info have b
laps(s) of road, location, pi rovided). If water from the creage, of the land application hotocopied section of invol	ion area lved 7.5' topographic sheet.	ude dimensions (L x W x D) of the pit, and	ing this info have b
laps(s) of road, location, pirovided). If water from the creage, of the land application of involved section of involved an Approved by:	ion area lved 7.5' topographic sheet. neth Greynolds Company separator to the control of Company sep	windsh Gregoriates windsh	dimensions (L x W
laps(s) of road, location, pirovided). If water from the creage, of the land application hotocopied section of involvan Approved by: Pre-seed/	ion area lived 7.5' topographic sheet. nneth Greynolds on the control of the co	nnah Gregorden synologic erwine - Kningels L. synologic erwine	bly possible
laps(s) of road, location, pirovided). If water from the creage, of the land application hotocopied section of involvan Approved by: Pre-seed/	ion area lived 7.5' topographic sheet. nneth Greynolds on the control of the co	windsh Gregoriates windsh	dimensions (L x W
laps(s) of road, location, pirovided). If water from the creage, of the land application hotocopied section of involvan Approved by: Pre-seed/	ion area lived 7.5' topographic sheet. nneth Greynolds on the control of the co	nnah Gregorden synologic erwine - Kningels L. synologic erwine	dimensions (L x W
laps(s) of road, location, pirovided). If water from the creage, of the land application hotocopied section of involvan Approved by: Pre-seed/	ion area lived 7.5' topographic sheet. nneth Greynolds on the control of the co	nnah Gregorden synologic erwine - Kningels L. synologic erwine	dimensions (L x W
laps(s) of road, location, pirovided). If water from the creage, of the land application hotocopied section of involvan Approved by: Pre-seed/	ion area lived 7.5' topographic sheet. nneth Greynolds on the control of the co	nnah Gregorden synologic erwine - Kningels L. synologic erwine	dimensions (L x W
laps(s) of road, location, pirovided). If water from the creage, of the land application hotocopied section of involvan Approved by: Pre-seed/	ion area lived 7.5' topographic sheet. nneth Greynolds on the control of the co	main Chaptures symbols arms - Kinneint	bly possible
laps(s) of road, location, pirovided). If water from the creage, of the land application hotocopied section of involvan Approved by: Pre-seed/	ion area lived 7.5' topographic sheet. nneth Greynolds on the control of the co	mental Compressions (L x W x D) of the pit, and special sources of the pit and special sources of the source of th	bly possible
laps(s) of road, location, pirovided). If water from the creage, of the land application hotocopied section of involvant Approved by: Pre-seed/ Der regulation. Up	ion area lived 7.5' topographic sheet. nneth Greynolds on the control of the co	Date:	bly possible Manual. RECEIVED ice of Oil and Gas



EQT Production

Hydraulic Fracturing Monitoring Plan

Pad ID: Haggard

County: Wetzel

August 15, 2022

RECEIVED
Office of Oil and Gas

AUG 2 2 2022

WV Department of Environmental Protection

Purpose

The purpose of this pad-specific Hydraulic Fracturing Monitoring Plan is to identify and notify conventional well operators near EQT hydraulic fracturing in Wetzel County, WV prior to hydraulic fracturing at the following EQT wells on the Haggard pad: 2H, 4H, 6H, 8H, 10H, 12H, 14H and 16H.

Due to the requirements under 35CSR8 5.11, the permittee is required to review the area surrounding the proposed well pad so as to identify and evaluate potential conduits for unintended fracture propagation.

A report is required to be submitted along with a well work permit application.

The plan is being implemented as an additional safety measure to be utilized in conjunction with existing best management practices and emergency action plans for the site. These additional measures include coordination with well operators of the timing and location of the hydraulic fracturing, establishment of measures well operators should implement, and assurance that the OOG is notified of the timeline, as well as any issues that may arise during fracturing.

1. Communications with Well Operators

EQT, using available data (WV Geological Survey, WVDEP website, and IHS data service), has identified all known wells and well operators within 500 feet of this pad and the lateral sections that are known or could reasonably be expected to be within range of the fracture propagation. A map showing these wells along with a list of the wells and operators is included in **Attachment A**.

EQT will notify these operators of the hydraulic fracturing schedule for these wells, and coordinate with them throughout the fracturing process.

EQT will recommend to these operators at a minimum to:

- Inspect their surface equipment prior to fracturing to establish integrity and establish prefrac well conditions
- Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas or pressure
- Inspect or install master valves or other necessary equipment for wellhead integrity capable
 of a pressure recommended by EQT
- Notify the OOG and EQT if any changes in water, gas production, pressure, or other anomalies are identified

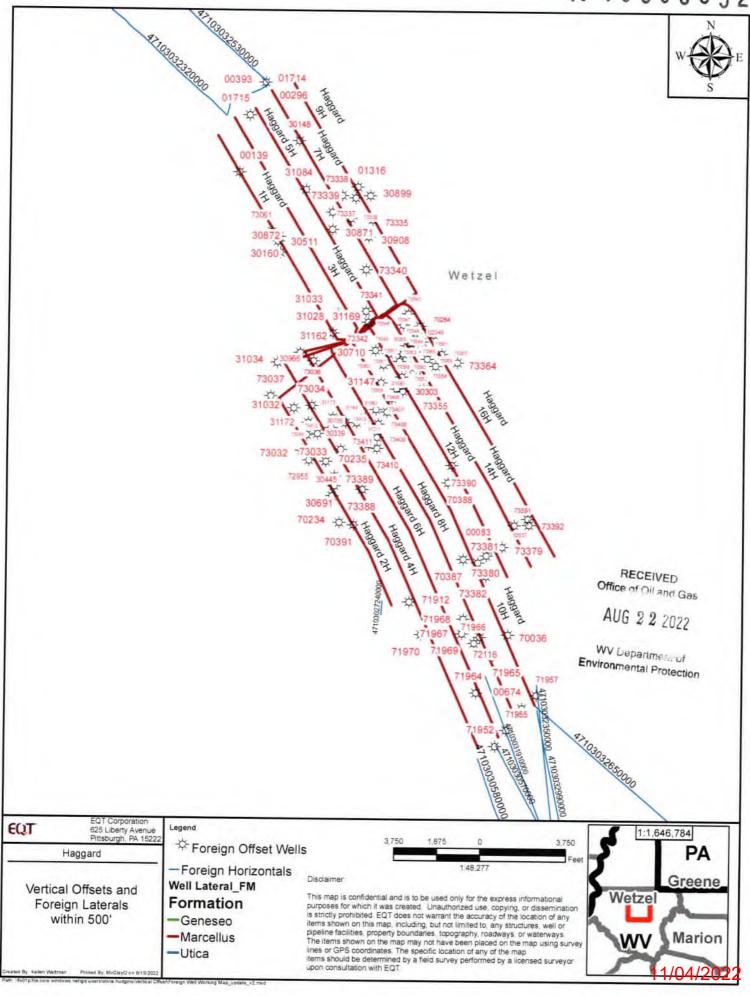
2. Reporting

EQT will provide information relating to the hydraulic fracturing schedule, communication with other operators, and ongoing monitoring of the work upon request of OOG or immediately in the event of any noted abnormalities.

Office of OO and Gas

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WV Department of Environmental Protection Page 2 of 2



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23343	ACT_STATUS	CURR DISK	INL_CIASS	IMT_CUASS	IATO UDI	DINGITUO: OPER NAME	D47444			
73411	Completed Wells Completed Wells	MANUFACTURERS I KINT & HEAT	Operation b	UNCLASSIAN D	39 65737800	-80.61186000 MANUFACTURERS INSHT & HEAT	NAD27	HIEVATION		טעו
73411	Completed Wells	UNKNOWN	UNCLASSIFIED	UNIT ASSIFICE	39.64010600	40.67030500 DAKINDAN	NAD27	0.00	0.00	0.00
73406	Completed Wells		UNCLASSIFILE	UNCLASSIFIED	19.60569700	-80.597946DD UNKNOWN	NAD27	0.00	0.00	
73336	Completed Wells	UNKNOWN UNKNOWN	UNICIASSITIED	UNCLASSIFIEO	39,64562200	#0.61505000 UNKNOWN	NAD27	0.00	0.00	
73336	Completed Wells	UNKNOWN	UNC) ASSIJ JED	UNCLASSIFIED	39.67146800	80.62218200 UNKNOWN	NAD27	0.00	0.00	
78348	Completed Wells	LANKINOWN	UNCLASSHIED	LINICI ASSIFIED	39,66871000	KR.67086800 UNKNOWN	NAD27	0.00	0.00	
71966	Completed Welk	UNKNOWN	UNICASSINED UNICASSINED	UNCLASSIFIED	39.65360400	RO 61204800 UNKNOWN	NAD27	000	0.00	
7335H	Completed Welk	UNKNOWN	UNCLASSING ()	UNCLASSMIFO	39 61803300	80.60141800 UNKNOWN	NAD27	0.00	9.00	0.00
73353	Completed Wells	UNKNOWN	UNCLASSIFED	UNCLASSIFIED	39.65287800	-80.61148500 LINKNY NYN	NAD27	0.00	0.00	0.00
7.4961	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	19.65099700	80.61148500 UNKNOWN	NAD27	0.00	0.00	0.60
73349	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	39.66711400	-80.63307000 LINKNOTANI	NAD27	0.00	0.00	9.00
13481	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	39.65258800	90.61486300 UNKNOWN	NAD27	0.00	0.00	0.00
73359	Completed Wells	UNKNOWN	UNCLASSIED	LINCLASSIFIED	39.62762400	60 60078700 LINKNOWN	NADZZ	0.00	0.00	0.00
70387	Completed Wells	SCULTTH PENN OIL	PSEUDO ORIGINAL WELL - UNKNOWN CLASS	UNCLASSIFIED	19.65200000	BOLGOBES AND LINKWOWN	NA027	0.00	0.00	0.00
73354	Fompleted Wells	UNKNOWN	UNCLASSIFIED	PSEUDO-ORIGINAL WELL - UNKNOWN LEASS	J9 62806000	RO.60303900 SCILIFIN PENIN OIL	NAD27	0.00	4.00	0.00
707.54	Completed Wells	SOUTH PENN OIL	PSEUDO-DRIGINAL WELL - UNKNOWN CLASS	UNCLASSIFIED	19 6498,1100	80.609983QQ UNKNOWN	NAD27	0.00	0.00	DAXE
31172	Completed Wells	UNKNOWN	UNCLASSIFIED	PSEUDO-ORIGINAL WEGE - IJNKNOWN CLASS UNCLASSIFIED	19.63241400	80,677 17000 SOUTH PENN CH	NAD27	9.00	0.00	0.00
73355	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.64431500	-80.62724900 LINKNOWN	NAU27	0.00	n.pa	9.00
73346	Completed Wells	UNKNOWN	UNICLASSIFILO	UNCLASSIFIED	39,64837900	#0 50942000 HOPE NATURAL GAS	NAD27	0.00	0.00	0.00
73341	Completed Welk	UNKNOWN	UNCLASSIFIED	LINCLASSIFIED	39.65607700	-80.61261300 UNKNOWN	NAD77	0.00	0.00	0.00
71968	Completed Wells	UNKNOWN	UNCLASSINED	UNCLASSIFIED	19 65 /66600	89 61842900 UNKNOWN	NAD27	0.00	0.00	0.00
73390	Completed Webs	UNICHOWN	UNCLASSIFIED	UNCLASSFIED	19 62093600	-80.60300420; LMIKNOWM	NAD27	0.00	9.00	0.00
73357	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	J9 65126200	40.61561300 UNKNOWN	NAD27	0.00	0.00	0.00
/ 13 19	Completed Wells	UNKNOWN	UNICIASSIFIED	UNCLASSIFIED	M 62316900	-80.61 L48500 LINKNOWN	MAD27	0.00	0.00	0.00
71970	Completed Wells	UNKNOWN	UNICLASSIFICO	UNCLASSIFIED	39.66943600	80.67368300 UNKNOWN	MAD27	0.00	0.00	0.00
/33/9	Completed Watts	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	39.61904900	80 60956100 UNKNOWN	KAD21	0.00	0.00	9.00
31164	Completed Wells	UNKINOWN	UNIX LASSA (II D	UNCLASSIFIED	39.67951100 39.64411500	BO 59703400 UHKHOWN	*KADZ7	0.00	0.00	0.00
73391	Completed Wells	UNKNOWH	UHKRASSHIID	UNCLASSIFIED	19 61212400	-00 62143200 URKINOWN 80 59515 MO UNKNOWN	NAD27	0.00	9.00	0.00
12955	Completed Wells	WIKHOWH	CMCTV/784 b	UNCLASSINED	39 63212400 39 63981600		NAD27	0.00	0.00	0.00
73451	Completed Welk	UNIONOWH	ONCIASSIED	UMCLASSHED	29 65171 700	80 62706400 UNKAOWA 80 61317400 UNKAOWA	MAD27	0.00	0.00	0.00
/1335	Completed Wells	UNIDAGAM	UNCLASSINGO	UNCLASSAGE	J9 66856500		HAD27	0.00	0.00	000
73347	Completed Wells	UNITARY	UNCLASSIFICE	UNCLASSED	19 65491000	80 61749000 UNIONOWN	HAD??	9.00	0.00	0.00
/1969	Completed Wells	UNKNOWN	UNK (ASSIII)	UNCLASSIFED	39 619 19400	80 61646500 UNKNOWN 80 60675100 UNKNOWN	HAD27	Ó DO	0.00	6 00
74352	Completed Wells	UMKIKAWA	UNCLASSINIO	UNCLASSINGS	39 6498 1100	80.51279800 (MKHOWN	MAD)/	0.00	0.00	0.00
13392	Completed Wells	UHKNOWN	UHCLASSIFIED	UNITASSIFICO	39 63212400	#0 59290500 UNKHOWN	NA027	0.00	0.00	0.00
70391 73389	Completed Wells	SOUTH PENN OR	PSECON ORIGINAL WELL LIMENOWN CLASS	PSEUDO ORIGINALI WELL UNIONOWII CLASS	99 61212400	40 6201 1903 SORITH PENN OR	MAD27	0.60	0.00	0.00
73388	Completed Wells	UNKNOWN	UHC LASSIFIED	UNKTASSIFIED	J9 6J792900	60 62312000 UNKNOWN	MAD27 NAD27	0.00	0.00	0.00
/3388 /1967	Completed Wells Lompieted Wells	UNKNOWN	UNCLAMATED	UNCLASSIFIED	39.64613400	80.61880400 1/HKMOWN	NAD21	0.00	0.00	0.00
31169		UNKNOWN	UNCLASSINED	UNCLASSIFIED	19,61919400	BO 60319100 UNIONOWN	NAD21	0.00	0.00	0.00
71109	Completed Welk	CASSADY WHILIAM	PSEUDO ORKANAL WILLI - DAKROWN CLASS	PSEUCKS-ORIGINAL WELL UNKNOWN CLASS	19 65505600	80 67349600 CASSADY WILLIAM	NAD21	0.00	0.00	0.00
73364	Completed Wells Completed Wells	UNKNOWN	ONCIASSINGS	UNITEASSIFIED	19 671 17800	80 67011800 UNION WIN	HAD27	9.00	0.00	0.00
/3340	Completed Wells	UNRINCENT	SUNCLASSIFICE	UNCCASSAILD	39 65157200	-80.60416500 UNKNOWN	NAD27	9.00	0.00	9.00
73390	Completed Welk	UNKNOWN	UNCLASSING D	UNCLASSINED	39 (4760300	80.61842900 UNKNOWN	MAD22	0.00	0.00	000
31173	Completed Wells	TINKNOWN	UNCLASSIFIED	UNCLASSIFIED	39.6397 1500	80.60491GDD UNKNOWN	NAD27	0.00	0.00	9.00
73036	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSINED	39,64489600	80.62349600 UNKNOWN	NAD27	0.00	0.00	0.00
23412	Completed Webs	SOUTH PENN ON	UNCLASSITEO	UNCLASSIFIED	39.64852400	#0 62800300 UNKNOWN	NAD77	0.60	600	0.00
73344	Completed Wells	UNKNOWN	DNCTASSITED	UNCLASSIFIED	39.64373500	BOA2364300 SOUTH PENN ON	NAD27	0.00	600	0.00
30571	Completed Wells	QUAKER STATE ON REFINING CORP	UNCLASSITO	UNCLASSIFIED	39.65592600	RG 60998 300 UNIENCHANN	NAU27	0.00	9.00	0.00
73382	Completed Wells	UNICHONNIA	PSECIDEI CARGINALI WALLI LUNKNOWYN CLASS UNG ASSIDIO	PSEUDO-ORIGINAL WELL - LINKNOWN CLASS	39 667ADAD0	80.6746#300 QUAKER STATE ON REFINING COMP	NAD27	0.00	0.00	0.00
78407	Lampleted Wells	LINKNOWIN	Unit Assiri D	UNCLASSIFIED	PP 62602800	-80.59947300 LINKINGWN	NAU27	0.00	0.00	0.00
71912	Completed Welk	UNKNOWN	LINCLASSIFIED	UNIC) ASSMICD	39 64591700	80.61673900 UNKNOWN	MAD27	0.00	0.00	0.00
73409	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSMIED	39.62296800	-80.61143400 UNKNEWW	NAU27	0.00	0.00	0.00
71964	Crimpleted Wells	UNKNOWN	UNICLASSIFIED	UNCLASSINED	19,64257400	80.61655700 TINKNOWN	NAD27	0.00	0.00	0.00
31167	Completed Wells	CASSADY WILLIAM	PSI UDCE ORIGINAL WELL UNKNOWN CLASS	NINCLASSIFIED	39.61206300	BO-60P94 300 UhaKNOWN	NAD27	0.00	0.00	0.00
73410	Completed Wells	UNKNOWN	UNCLASSIFIED	PSEUDO-CIRIGINAL WELL UNKNOWN (LASS	19.65273400	-80 62856300 CASSADY WILLIAM	NAD27	0.00	0.00	0.00
30405	Completed Welk	UNKNEWUN	UNCLASSIFIED	LINCLASSIFIED	39.64126700	BD 61655200 UNKNOWN	NAD27	0.00	0.00	0.00
71957	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	19.65758B00	-80.61261100 UNKNOWN	NAD27	0.00	0.00	0.470
/3015	Completed Wells	UNKKNWN	UNCLASSIFIED	UNICLASSIFIED	39 611 79 200	82.59157600 UNKNOWN	NAD27	0.00	0.00	0.00
73032	Completed Wells	UNKNOWN	UNCLASSIDE)	UNCLASSIFIED UNCLASSIFIED	19 64786400	80.62744000 UNKNOWN	MAD27	0.00	0.00	0.00
30%33	Completed Wells	SCALLIN DEWN OIL	PSELIDO ORIGINAL WELL UNKNOWN CLASS	PSEUDO-ORIGINAL WELL UNKNEWIN CLASS	39 64097700	80,67819000 UNKNOWN	NAD27	0.00	0.00	0.00
73413	Completed Wells	UNKNOWN	LANCE ASSIFIED	UNICASSISED	39.65287800 39.64475100	80.61092 200 MARTH PENN OIL	NAD71	0.00	0.00	0.00
75347	Completed Wells	NWKNOWN	UNCLASSIFIED	UNCLASSIFED	19.64675100	80.57718700 UNKNOWN 80.61805300 UNENGWN	NAD27	0.00	0.00	0.00
70388	Completed Wells	SOUTH PENN ON	PSEUEXO ORIGINAL WELL - UNENDAUN CLASS	PSEUDO-ORIGINAL WELL - UNENOWN CLASS	39.63770300	80.60547900 SOUTH PENN OIL	NADZI	0.00	0.00	0.00
73360 73380	Completed Wells	MANUFACTURERS LIGHT & HEAT	UNCLASSIFIED	UNCLASSIFIED	39.65113700	RO 60754300 MANUFAC FIRERS LIGHT & NEAT	NAD27 NAD27	0.00	9 00	0.00
73380 71035	Completed Wells Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	19 52849500	-80.59947.400 UNKNOWN	NAD27 NAD27	9.00	0.00	0.00
71955		UNKNOWN	UNCLASSAITO	UNCLASSIFIED	J2 64 1003400	80.62575100 UNKNOWN	MAD21		0.00	0.60
70265	Completed Wells Completed Wells	Lankarowa South Pennichl	UNCLASSIFIED	UNCLASSIFIED	19 60758 190	80.59676000 UNKNOWN	NAD27	0.00 0.00	0.00	0.00
77116	Completed Wells		PSI UDO ORIGINAL WIFEL UNIFROWN CLASS	PSEUDIO ORIGINAL WELL UNKNOWN CLASS	19.65258800	AG 60660500 SQUITH PENN CO	NAD27	0.00		
73037	Completed Wells	UNKNOWN	UNCTASSHIED	UNCLASSIFIED	J9 618 /5900	-80.600 Skildd UNKNOWN	NAD27	0.00	0.00	0.00
/3361	Completed Wells	CHRINOAN	UNCLASSIFIED	UNKLASSIFIED	39.64750800	#0.63307000 UNKNOWN	NAD27	0.00	0.00	0.00 0.00
00083	Completed Wells	UNKNOWN	INCIASSINO	UNCLASSIND	39 65404000	-80 609608DQ_LINKINGW/M	NAD2?	0.00	9.00	0.00
700 16	Completed Wells	SOUTH PENN ON	DEVELOPMENT WELL DRY (INCLUDING TEMPORABLY ABANDONED WELL)	DEVELOPMENT WELL	39.67936600	80 598 77 300 UNIFECTIVE	NAD27	1060.00	2984.00	0.00
73408	Completed Wells	MANUFACTURERS LIGHT & HEAT	DI VELOPMENT WELL OLL UNCLASSITO	DEVELOPMENT WELL	19 61904900	40 59602200 SOUTH PENH ON	NAD21	1555.00	3397.00	0:00
31033	Completed Wells	MOSES WILLIAM	OI ALFOAMINI MIFF-OIF (INCTASSALLO)	UNCLASSIFIED	39.64417000	BO 61636400 MAHUFAC FURERS LIGHT & HEAT	HAD27	000	9.00	000
30899	Completed Wells	CRAKER STATE OR REFUGING CORP	OLAITOMMINI MITT-OIT	DEVELOPMENT WILL	19 65 708#00	80.62623300 MOSES WALLIAM	NAD21	1167.00	3134.00	000
31064	Completed Wells	INNUACATA	OLALOMMENT MAIT OK	DEVELOPMENT WITH	39 67146800	80.63786600 GUAKER STATE CILL REFINING CORP	NAD27	1751 00	1247.00	0.00
31034	Completed Wells	MOSES WILLIAM	DEVILOPMENT WILL ON	DEVELOPMENT WILL	39 67130600	80 62781300 UNKUKNAN	NULD 2 7	1310.00	3175 00	0.00
20735	Completed Wells	SOUTH PERM OR	PSUDO ORIGINAL WILL - UNLINOWN CLASS	DEVELOPMENT WITH	39 65157200	80.63212900 MOSES WILLIAM	NAD27	1376 00	3306 00	0 00
05049	Completed Wells/WHCS	DEVERSIFIED PRODUCTION ILL	SECCESSFUL CUSPOSE EXTENSION	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39 63967 (00	80 62443400 SCOUTH PEARN OU	NAD22	0.00	0.00	0.00
02037	Completed Wells/WHCS	ALLIANCE PETROLEUM COLLIC	NEW FRED WILDIGAT DISCOVERY	MILDOAT OUTPOST NOW FIELD WILDOAT	39.65506460	#0 61073790 DAC CORP	NAD27	1167 00	3588.00	0.00
30339	Completed Welk	SOLITH PHANICAL	DEVELOPMENT WELL OR	DEALFORMENT MET	39 63285810	60 S9J095SO DAC CORP	HAD22	1740 00	3434 DQ	0.00
00393	Completed Wells	UNKNOWN	DEVILOPMENT WITE GAS	DCYELOPMENT WELL	99 64112700	80 627 JRZ00 SOUTH PLAN OIL	MAD27	1797.00	3260.00	0.00
01061	Completed Wells	HORNER OR & GAS PRODUCTION INC.	PENTOPHINI WITH OIL	DEVELOPMENT WELL	39.68497800 39.64721800	80 63419300 LINKNOUNN	HAD27	1289.00	2 360 OO	0.00
30148	Completed Wells	UNIXIOWN	DEVITORMENT WITH-CIL	DEVELOPMENT WELL	39.64721800 39.67799900	80 61400000 PHINZON CO INC	MADZ7	151E.GO	3401.00	0.00
31217	Completed Wells	CASSADY WILLIAM	UNCLASSIFIED	UNKLASSFIED	19.67 (9990) 19.641 70300	80 67894100 UNKNIDAN -80.61786600 FASSADY WALIJAM	NAD27	1360.00	3395.00	0.00
30107	Completed Webs	RANDALL-ZOGG SUPPLY	DI VELOPMENT WELL-DIL	DEVELOPMENT WELL	39 64431500	40.5174560 FASSADY WILLIAM 40.51974200 RANDALL ZOGG SLEPELY	NAD27	0.00	0.00	0.00
01714	Completed Wells	HORNER OIL & GAS PRODUCTION INC	PHYELOPMENT WELL ON	DEVELOPMENT WELL	39 64431500 39 68351500	-80.63119300 HOMBER CHARLES	HAD27	1797 00	3450.00	0.00
						WALLS	NAD21	1350.00	3280.00	0.00

30511	Completed Wells	RAAD SUPPLY CO	DEVELOPMENT WELL OIL	DEVELOPMENT WELL	39.66594100	#0.63212900 RAAD SUPPLY CO	NAD27	1213.00	4269 OD	0.60
0137P	Completed Wellt/WHCS	HORNER ON & GAS PRODUCTION INC	DEAHLOWENL MHIT-OF	DEV(LOPIMENT WELL	39.67248090	80.61979700 CHASE PETROCEUM CO	NAD27	1136 00	4200.00	0.00
01715	Completed Wells	HORNER OIL & GAS PRODUCTION INC	DEVELOPMENT WELL OIL	DEVELOPMENT WELL	39.58104700	90 63663600 HORNER CHARLES	NAD27	1,30,00	4401.00	990
31142	Completed Wells	QUAKER STATE OIL REFINING CORP	DEVELOPMENT WITH-OIL	OF VELOPMENT WELL	39.64910500	- BO & 1598900 QUAKER STATE OR RESMING CORP	NAD21	1464.00	3407.00	
30303	Completed Weth	UNKNOWN	UNCLASSINID	UNCLASSMED	39.54808900	40 61261100 LAKKNOWN	NAD27			0.00
30966	Completed Wells	QUARTE STATE OIL RETURNE CORP.	CEVELOPMENT WILL ON	DEVELOPMENT WILL	39.65171700	80.67650100 QUAUTR STATE ON REFINING CORP		0.00	0.00	0.00
73356	Completed Wells	UNIDNOWN	UNCLASSIBLE	UNCLASSICIED	39.64837900	#0.61354900 URKNOWN	KAD27	0.00	3011.00	9.00
00796	Completed Wells	HORNER OIL & GAS PRODUCTION INC	DEVELOPMENT WELL-DM	DEVELOPMENT WHO	39.68549500	80.63094900 SOUTH PENN ON	NAD27	0.00	0.00	0.00
31024	Completed Wells	HOPE NATURAL GAS	DEVELOPMENT WELL-DIL	DEVELOPMENT WILL	39.65737800	BO 62774500 HOPE NATURAL GAS	NAD27	1348.00	3600.00	0.00
30908	Completed Wells	CRUAKER STATE ON REFINING CORP	DEVELOPMENT WELL ON	DIVILOPMENT WELL	39.66652200		NADZ7	1485.00	3453.00	0.00
30#77	Completed Weth	CRUAKER STATE OIL RHI INNIG COMP	DEVELOPMENT WILLI-OIL	EN VELOPMENT WELL	39.66464500	-80.61805300 QUAKER STATE ON ALFINING CORP	NAD27	0.00	9286.00	0.00
30710	Completed Wells	RANDALL ZOGG SUPPLY	DEVELOPMENT WELL-OIL	DEVELOPMENT WELL	39.65307400	HO-6-3175-400 QUAKER STATE ON REFINING CORP	NAD27	1311.00	3310.00	0.00
/1965	Completed Wells	UNKNOWN	LINCLASSIEN D	UNCLASSIFIED		80.61692700 RANDALL-ZOGG SUPPLY	NAD27	1252.00	3190 00	0.00
00139	Completed Wells	EAGON G F	DEVELOPMENT WELL DRY (INCLUDING TEMPORABILY ABANDONED WELL)	DEVELOPMENT WELL	39.61658700	#0.49832000 UNKNOWN	NADZ?	0.00	0.00	0.60
30445	Completed Wells	SOUTH PENNY OU	DEVELOPMENT WELL OIL	DEVELOPMENT WELL	39.67422600	80.63813700 EAGON G F	MAD27	626.00	\$362 OO	0.00
31032	Completed Webs	MOSES WILLIAM	DEVELOPMENT WILL OR	DIVELOPMENT WELL	39.63560700	NO 57349600 SOUTH PENNION,	NAD27	1345 00	3310.00	0.00
30691	Completed Wells	RANDALL-ZOGG SUPPLY	DEVELOPMENT WILL-ON	DIALCOMMINI MECI	39 64605700	-BO 62950100: IMCSES WALLAM	NAD27	991 00	2975 00	9.00
30160	Completed Web.	SOUTH PENNY OR	DEVELOPMENT WITH GAS		39.63676800	NO 62317000 RAMDALL ZOGG SUPPLY	NUUD27	1 400 00	3359.00	0.00
73034	Completed Wells	UNENCHIN	UNK ASSINEO	DI VI (OPMINT WELL	39.66653300	00.63194400 SOUTH PENN ON	MAD27	1218 00	3195 00	0.00
01042	Completed Wells	HORNER CAL & GAS PRODUCTION INC.	DEVELOPMENT WELL OIL	OMCIASSIFILD	39.64634700	#0.6766#900 VINKINOWN	NAU27	0.00	0.00	0.00
70764	Completed Wells	SCILITH PENN OIL	PSEUDO-ORIGINAL WILLI - UNKNOWN CLASS	DEVITOPMENT WEST	39.644 \$96 (Q)	90 61842900 SOUTH PENIN OIL	NAD77	1575.00	3503.00	0.00
00674	Completed Wells	DIVERSIFIED PRODUCTION ILL	DEVELOPMENT WELL GAS	PSEUDO ORIGINAL WELL UNKNOWN ELASS	39.65491000	- (60 GD /91900 SOUTH PENN OIL	NAD77	Ø.D0	0.00	Q.D0
		DITEIDMED PREMIUM HOMELE	DEPELOPMENT WELL GAS	DEVELOPMENT WELL	39.61013600	80.59382400 CONSCIUDATED GAS SUPPLY CORP	NAD27	0.00	3989 00	0.00
Horizontals										
UWI	ACT, STATUS	CURR_OPER	FNL_CLASS	INIT CLASS	EATITUDE 10	NGIFUPE OPER NAME				
4710303057000	O Completed Wells	EQT PRODUCTION CO	DEVELOPMENT WELL GAS	DEVELOPMENT WELL	39.58256300	80 58408500 EQI PRODUCTION CO		ELEVATION I		
47 (O JO M58000	O Completed Wells	FOR PRODUCTION CO	DEVELOPMENT WELL GAS	DEVELOPMENT WELL	39 58757300	-80.58415500 EQT PRODUCTION CO	NAD27	634 00		903 00 WY 512015 BIG 177
4710301253000	O Completed Walls	SWM PRODUCTION COLLC	DEVSLOPMENT WELL GAS	DI VELOPMENT WELL	39.68758340		MAD27	834 00		894 00 WV 517916 BKG 177
4/10/01/39/000	D (villing)	EQL PRODUCTION CO		DEVELOPMENT WELL	39.5825580u	80 67976910 SWM PRODUCTION COLLC	AUD27	1370 00		108-00 405H SWN A WTZ
4710303235000	O Driffing	EQT PRODUCTION CO		DI VILIOPMENT WELL	39,59517800	80.5E405000 EQT PRODUCTION CO	MAD27	811.00	0.00	0.00 H(5 (MG) //
4710302724030	O Completed Wells	ASCENT RESOURCES MARCHIUS LIC	DEVELOPMENT WELL-GAS	DIVITORMENT WELL		-00 56894500 TQT PRODUCTION CO	NAD77	1796-00	0.00	0.00 MG745H16 (1 BILLE GRASS LEC
4710303765000	O Permit	EQT PRODUCTION CD		DEVILOPMENT WELL	39.62138330	MO.GES ADESD ING ENERGY INC	NADIF	939.00		150 00 306 (RANI 51
4710303799000	a Dilling	EQUIPRODUCTION CO		DEVITORMENT WELL	39.59533200	BO 56900100 EQT PRODUCTION (4)	NADZ7	1430.00	0.00	0.00 H4 DIG245
	O Completed Wells	5WN PRODUCTION CDILL	DEVELOPMENT WILL GAS	DEVELOPMENT WELL	39.58247300	80.58404900 EQT PRODUCTION CO	NADZZ	#11.DO	0.00	U.DO H7 JUL: 177
	•		The same of the same	DEVELOPMENT WHILE	39.68750840	80.63981230 SWN PRODUCTION (O'LL)	NAD27	1370.00	1872000 7	177.00 3H SWN A WT2



SITE SAFETY AND ENVIRONMENTAL PLAN

Haggard Well Pad

Littleton Wetzel County, WV

Wells: 2H, 4H (47-103-03430), 6H, 8H, 10H, 12H, 14H, 16H

Prepared By: Donny Prater, CSP, Health and Safety Sciences, LLC

Approved By: Scott M. Held, Senior Safety Coordinator

Created Date: 7-Aug-20

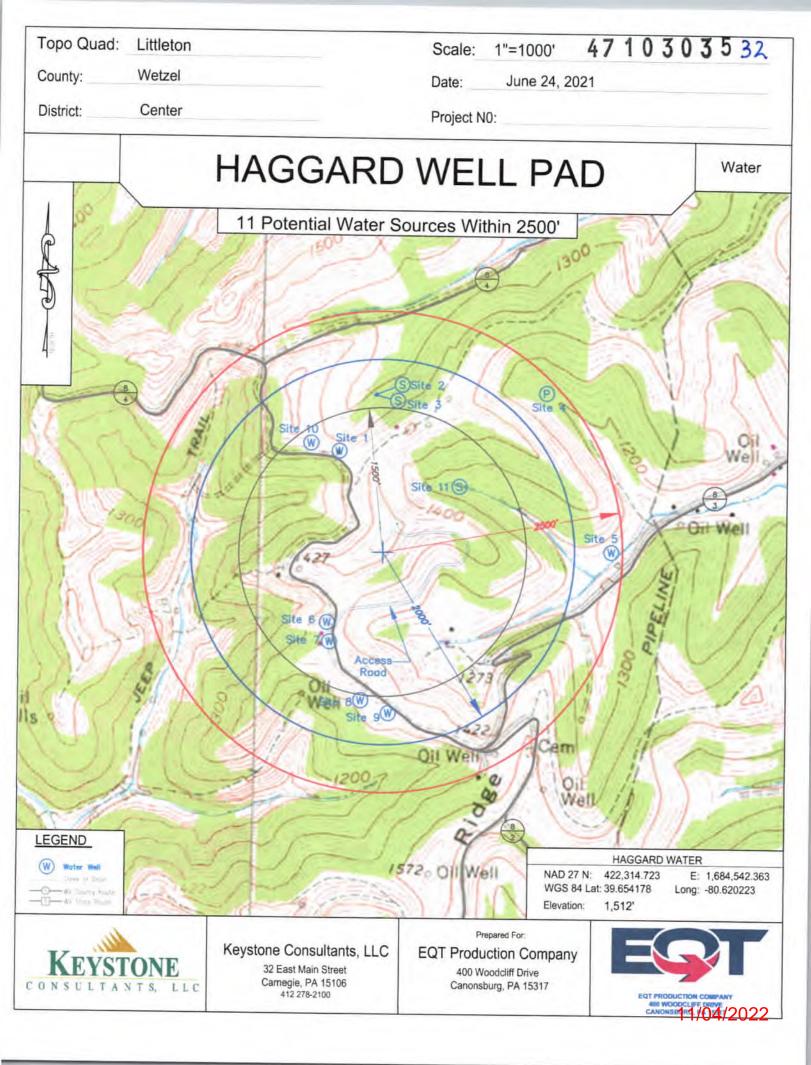
John F Zavatchan Jr. John Zavatchan

Project Specialist - Permitting EQT Production Company

Kenneth Greynolds Digitally aigment by Alenneth Cheynords OH, CN = Karrisch Greynords email 1 Alenneth L. Greynordsigtev gov C = AD D WOULP OU = Oil and Gas Page 2022 08 08 05 55 56 (4000)

Ken Greynolds Oil and Gas Inspector West Virginia DEP

Revision #	Date	Change/s
1	1/29/2020	Plan total revision and reformat.
Plan Administrator: Scott M. Held, CSP Senior Safety Coordin		Approver: Michael Lauderbaugh Vice President of EHS



WW-6A1 (5/13)

Operator's Well	No	Haggard	16H
Operator 5 men	1 1 1 1 1 1	44	

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) 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, 1 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:

Lease Name or

Number

Grantor, Lessor, etc.

Grantee, Lessee, etc.

Royalty

Book/Page

See attached

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Office of Oil and Gas

AUG 2 2 2022

WV Department of Environmental Protection

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: EQT Production Company

By:

John Zavatchan

Its:

Project Specialist - Permitting

Page 1 of 3

Operator's Well No.

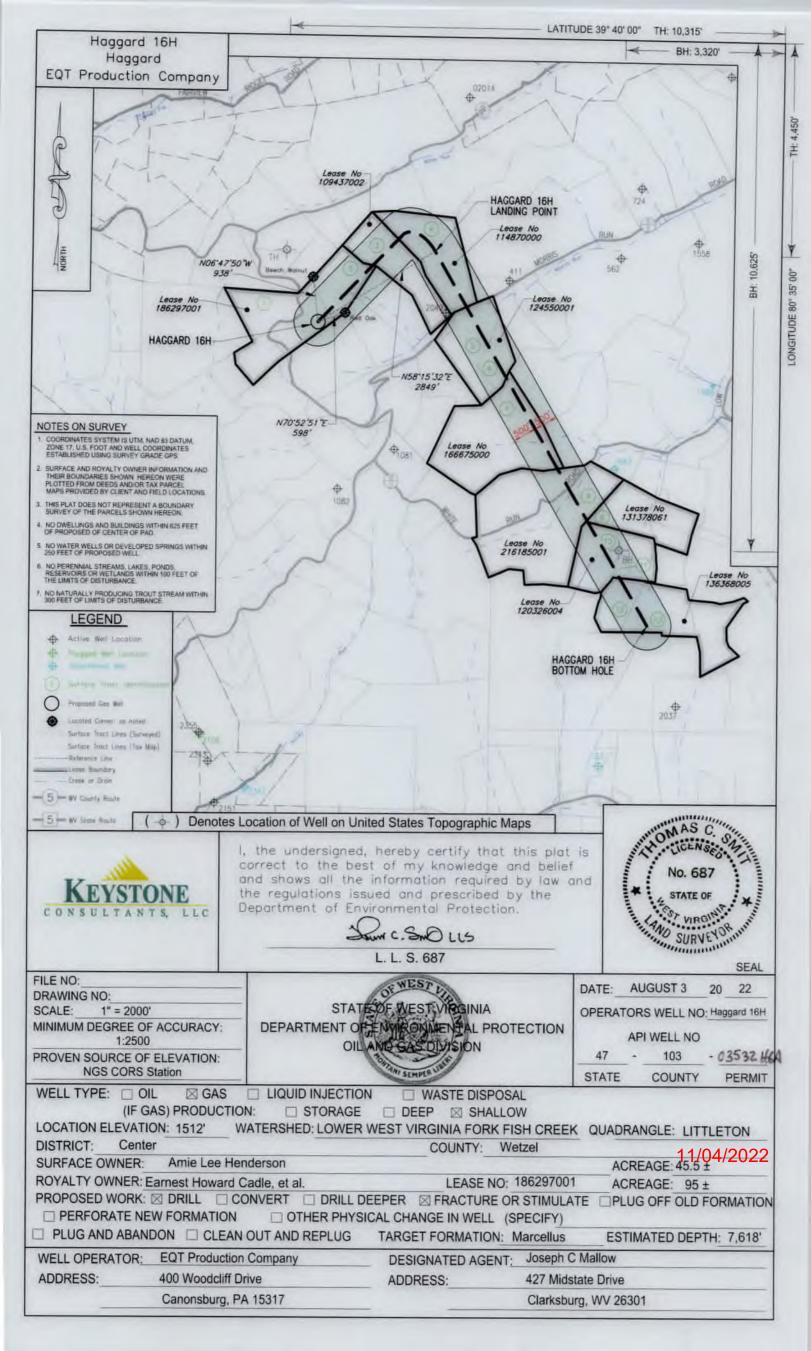
Haggard 16H

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
186297001	Earnest Howard Cadle, et al.			"at least 1/8th per WV Code 22-6-8"	
	Earnest Howard Cadle, married dealing in his sole and separate property	95 ac	EQT Production Company		OG 273A/121
109437002	Rusty L. Morris, et al			"at least 1/8th per WV Code 22-6-8"	
	Russell Lee Morris and Wilma Morris	47.5 ac	Drilling Appalachian Corporation		OG 84A/5
	Drilling Appalachian Corporation		Grenadier Energy Partners, LLC		OG 124A/9 & 136A/538
	Grenadier Energy Partners, LLC		Statoil USA Onshore Properties Inc.		OG 138A/1
	Drilling Appalachian Corporation		Statoil USA Onshore Properties Inc.		OG 138A/54
	Statoil USA Onshore Properties Inc., et al		EQT Production Company		OG 175A/707
<u> 114870000</u>	AMP IV, LP, et al. Board of Trustees of the Most Worshipful Grand Lodge of Ancient, Free and Accepted Masons of the State of West Virginia, Inc.	40.75		*at least 1/8th per WV Code 22-6-8*	
	Antero Resources Corporation	48.75 ac	Antero Resources Corporation		OG 179A/793
	Afficio resources Corporation		EQT Production Company		OG 231A/59
124550001	Cynthia A. Quigley, et al.			"at least 1/8th per WV Code 22-6-8"	
	Cynthia A. Quigley, a widow	49.25 ac	EQT Production Company		OG 225A/265
166675000	AMP IV, LP, et al.			"at least 1/8th per WV Code 22-6-8"	
	AMP IV, LP	93.75 ac	EQT Production Company		OG 265A/549
<u>216185001</u>	Drilling Appalachian Corporation, et al.			at least 1/off per WV Code 22-6-8"	
	Drilling Appalachian Corporation	122 ac	EQT Production Company		OG 276A/602

~ <u>131378061</u>	Jacqueline Ziarko, et al. Jacqueline Ziarko, a married woman dealing in her sole and separate property	45.9 ac	EQT Production Company	*at least 1/8th per WV Code 22-6-8*	OG 285A/383
~ <u>120326004</u>	Owen E. Schmucker and Saloma D. Schmucker, et al. Owen E. Schmucker and Saloma D. Schmucker, husband and wife Antero Resources Corporation	52.45 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 189A/408 OG 231A/59
<u>136368005</u>	Owen E. Schmucker and Saloma D. Schmucker, et al. Owen E. Schmucker and Saloma D. Schmucker, husband and wife Antero Resources Corporation	77.41875 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 201A/896 OG 231A/59

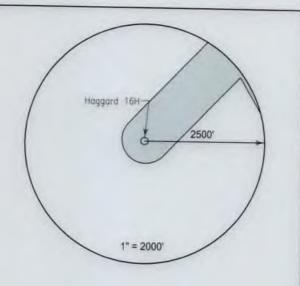
WV Department of Environmental Protection

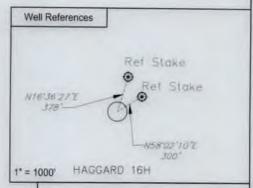
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Office of Oil and Gas
AUG 2 2 2022



Haggard 16H Haggard **EQT Production Company**

Tract ID.	Tax Map No	Parcel No.	County	District	Surface Tract Own	er	Acres	
1	10	36.0	Wetzel	Center	Amie Lee Henderson		45.50	
2	10	27,0	Wetzel	Center	Scott L Musgrave		35.00	
3	10	28.0	Wetzel	Center	Calvin T JR. & Monica L Morris		47.50	
4	10	29.0	Wetzel	Center	Rebecca Myers		48.75	
5	10	41.0	Wetzei	Center	David Morris & Lisa Bellivlle		29,06	
6	10	55.0	Wetzel	Center	Patrick Morris		15.00	
7	10	56.0	Wetzel	Center	Patrick L Morris		93.75	
8	14	10.0	Wetzel	Center	Kenneth Johnny & Debrah K Greathouse		122.00	
9	15	8.0	Wetzel	Center	David W & Rachel M Morris		25.00	
10	15	66.0	Wetzel	Center	Owen E & Saloma D Schmucker		28.87	
11	15	10.0	Wetzel	Center	Owen E & Saloma D Schmucker		6.25	
12	15	28.1	Wetzel	Center	Owen E & Saloma D Schmucker		22.66	
13	15	28.0	Wetzel	Center	Owen E & Saloma D Schmucker		29.00	
Leas	e	Owner				Acres		
186297001		Earnest Howard Cadle, et al.				95		
109437002		Rusty L. Morris, et al				47.5		
114870000		AMP IV, LP, et al.				48.75		
124550001								
100000000000000000000000000000000000000		Cynthia A. Quigley, et al.					49.25	
166675000		AMP IV, LP, et al.					93.75	
216185001		Drilling Appalachian Corporation, et al.					122	
131378061		Jacqueline Ziarko, et al.					45.9	
120326	004 0	Owen E. Schmucker and Saloma D. Schmucker, et al.					52.45	
1363686	005 0	Owen E. Schmucker and Saloma D. Schmucker, et al.					77 41875	





Notes

HAGGARD 16H coordinates are NAD 27 N: 422.411.672 E 1.684.613.723 NAD 27 Lat: 39.654365 Long. -80.620163 NAD 83 UTM N 4,389,474,308 E: 532,601,879

HAGGARD 16H Landing Point coordinates are NAD 27 N: 423,910.291 E 1,687,036,295 NAD 27 Lat 39,658562 Long -80,611626 NAD 63 UTM N: 4,389,943,227 E: 533,332,346

HAGGARD 16H Bottom Hole coordinates are NAD 27 N: 416,151,986 E 1,691,533,413 NAD 27 Lat: 39,637415 Long: -80,595318 NAD 83 UTM N: 4,387,602,489 E: 534,741,839

West Virginia Coordinates system of 1927 (North Zone) based upon Differential GPS Measurements Plat orientation, Corner and well lies are based upon the grid north meridian Well location references are based upon the grid north

UTM coordinates are NAD83, Zone 17, Meters



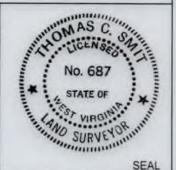
HAGGARD 9H O HAGGARD 16H
HAGGARD 5H O HAGGARD 12H
HAGGARD 3H O HAGGARD 10H
HAGGARD 1H O HAGGARD 6H
HAGGARD 4H
HAGGARD 4H
HAGGARD 2H

103-03430

HAGGARD PAD

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 Environmental Protection.

L. L. S. 687



STATE OF WEST VIRGINIA
DEPARTMENT OF ENWRONMENTAL PROTECTION
OIL AND GAS DIVISION FILE NO: AUGUST 3 DATE: 20 DRAWING NO: SCALE: 1" = 1000" OPERATORS WELL NO: Haggard 16H MINIMUM DEGREE OF ACCURACY: API WELL NO 1:2500 - 03532 HEA 103 PROVEN SOURCE OF ELEVATION: NGS CORS Station STATE COUNTY PERMIT WELL TYPE: OIL ☐ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL ☐ STORAGE (IF GAS) PRODUCTION: ☐ DEEP ☒ SHALLOW 1512' WATERSHED: LOWER WEST VIRGINIA FORK FISH CREEK QUADRANGLE: LOCATION ELEVATION: LITTLETON Center Wetzel DISTRICT: COUNTY: 11/04/2022 SURFACE OWNER: ACREAGE: 45.5 ± Amie Lee Henderson Earnest Howard Cadle, et al. ROYALTY OWNER: LEASE NO: 186297001 ACREAGE: 95 + PROPOSED WORK: ☑ DRILL ☐ CONVERT ☐ DRILL DEEPER ☑ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION □ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) □ PLUG AND ABANDON □ CLEAN OUT AND REPLUG Marcellus TARGET FORMATION: ESTIMATED DEPTH: 7,618 WELL OPERATOR: EQT Production Company Joseph C Mallow DESIGNATED AGENT: 400 Woodcliff Drive ADDRESS: ADDRESS: 427 Midstate Drive Canonsburg, PA 15317 Clarksburg, WV 26301



EQT PRODUCTION COMPANY 400 Woodcliff Drive | Canonsburg, PA 15317

August 15, 2022

Mr. Taylor Brewer West Virginia Department of Environmental Protection Office of Oil and Gas 601 57th Street SE Charleston, WV 25304

Re: Haggard 16H Gas Well

Center District, Wetzel County, WV

Dear Mr. Brewer,

EQT Production Company is applying for a new well work permit for the well referenced above. Upon information and belief, the Operator's lease and/ or other real property rights permit it to conduct drilling operations for the subject well in the location shown on the plat, including under any public roads that the well lateral crosses.

Sincerely,

John Zavatchan

Project Specialist - Permitting

RECEIVED
Office of Oil and Gas

AUG 2 2 2022

WV Department of Environmental Protection

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE CERTIFICATION 47 1 0 3 0 3 5 3 2

	e Certification: 08/18/2022	API No.	API No. 47				
		Operato	r's Well No. 1841				
**	_	Well Pac	d Name: Haggar	d			
Notice has h							
Pursuant to the	e provisions in West Virginia Code tract of land as follows:	\S 22-6A, the Operator has provided the	required parties v	with the Notice Forms listed			
State:	West Virginia	F	500004.44				
County:	Wetzel	UTM NAD 83 Easting: Northing	532601 88	4389474 31			
District:	Center	Public Road Access:	CR 8/2				
Quadrangle:	Littleton	Generally used farm name:					
Watershed:	Lower West Virginia Fork Fish Creek			<u></u>			
it has provide information re of giving the requirements Virginia Code	ed the owners of the surface descri- equired by subsections (b) and (c), so surface owner notice of entry to so of subsection (b), section sixteen of	shall contain the following information: bed in subdivisions (1), (2) and (4), su ection sixteen of this article; (ii) that the curvey pursuant to subsection (a), section of this article were waived in writing be tender proof of and certify to the secretaint.	bsection (b), sec requirement was n ten of this arti by the surface ov	ction ten of this article, the deemed satisfied as a result cle six-a; or (iii) the notice wher; and Pursuant to West			
that the Oper	West Virginia Code § 22-6A, the Opator has properly served the require CK ALL THAT APPLY	perator has attached proof to this Notice and parties with the following:	Certification	OOG OFFICE USE			
				ONLI			
🗀 1. NOI	ICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED BECA	AUSE NO	□ RECEIVED/			
I I NOI	ICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED BECA SEISMIC ACTIVITY WAS CONDU		☐ RECEIVED/ NOT REQUIRED			
			CTED				
☐ 2. NOT		SEISMIC ACTIVITY WAS CONDU	CTED CONDUCTED AUSE	NOT REQUIRED			
☐ 2. NOT	ICE OF ENTRY FOR PLAT SURV	SEISMIC ACTIVITY WAS CONDUCEY OF NO PLAT SURVEY WAS CONDUCTED OF PLAT SURVEY WAS CONDUCTED OF WRITTEN WAIVER BY SURFLEASE ATTACH)	CTED CONDUCTED AUSE RVEY ACE OWNER	NOT REQUIRED RECEIVED			
☐ 2. NOT ■ 3. NOT	ICE OF ENTRY FOR PLAT SURV	SEISMIC ACTIVITY WAS CONDUCTED OF NO PLAT SURVEY WAS CONDUCTED OF WRITTEN WAIVER BY SURF. (PLEASE ATTACH) RECEIVE Office of Oil and	CTED CONDUCTED AUSE RVEY ACE OWNER ED od Gas	NOT REQUIRED RECEIVED			
□ 2. NOT □ 3. NOT □ 4. NOT	ICE OF ENTRY FOR PLAT SURVICE OF INTENT TO DRILL OF	SEISMIC ACTIVITY WAS CONDUCEY OF NO PLAT SURVEY WAS CONDUCTED OF PLAT SURVEY WAS CONDUCTED OF WRITTEN WAIVER BY SURFLEASE ATTACH)	CTED CONDUCTED AUSE RVEY ACE OWNER ED ED ED Gas	NOT REQUIRED RECEIVED RECEIVED/ NOT REQUIRED			

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

Certification of Notice is hereby given:

THEREFORE, I John Zavatchan , have read and understand the notice requirements within West Virginia Code 8 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification 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: EQT Production Company By:

John Zavatchan Its: Project Specialist - Permitting

Telephone: 412-584-3132 Address: 400 Woodcliff Drive

Canonsburg, PA 15317

Facsimile: 412-395-2974 Email: zavatchan@eqt.com

Commonwealth of Pennsylvania - Notary Seal Rebecca Shrum, Notary Public Beaver County My commission expires March 9, 2024

Commission number 1267706 Member, Pennsylvania Association of Notaries Subscribed and sworn before me this 18th day of August 2022

My Commission Expires

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

> RECEIVED Office of Oil and Gas

AUG 2 2 2022

WV Department of Environmental Protection

API NO. **47 1 0 3 0 3 5 3 2**OPERATOR WELL NO. 18H
Well Pad Name: Haggard

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

Notice	Time Requireme	nt: notice shall be provid	led no later th	an the filing date of permit a	pplication.	
Date of Notice		Date Permit Applicati	ion Filed: <u>08/</u>	19/2022		
	ERMIT FOR ANY /ELL WORK			PROVAL FOR THE AN IMPOUNDMENT OR P	I T	
Deliver	y method pursua	int to West Virginia Cod	de § 22-6A-1	0(b)		
	ERSONAL ERVICE	REGISTERED MAIL		IOD OF DELIVERY THAT I IPT OR SIGNATURE CONF		
che surta bil and g describe operator more con well wor mpound nave a w provide so proposection ecords (operation) Code R.	gas leasehold being and in the erosion and or lessee, in the eval seams; (4) The ork, if the surface tradiment or pit as desovater well, spring on water for consumpted well work activity on (b) of this section of the sheriff required of this article to the \$35-8-5.7.a. required in the section of the section of the sheriff required the section of the sheriff required the section of the sheriff required the section of the section of the sheriff required the section of	which the well is or is proper developed by the propose developed by the propose developed by the propose developed by the propose developed by the tract of land on whomers of record of the surfact is to be used for the placeribed in section nine of the water supply source located to be humans or domestic for the land to be maintained pursuate to be maintained pursuate contrary, notice to a lier tree, in part, that the operate	coxect to be locked well work, in the well produced that the well proceed that the well proceed that the well proceed within one in animals; and more than threads, the application in holder is not tor shall also produced within the proceed within the section on holder is not tor shall also proceed with the section of th	the well plat to each of the folicated; (2) The owners of record fithe surface tract is to be used ant to subsection (c), section se roposed to be drilled is located acts overlying the oil and gas le ruction, enlargement, alteration Any surface owner or water pur thousand five hundred feet of the different fith the surface to the different fith the surface the documents required the the documents required, article one, chapter elevent motice to a landowner, unless the rovide the Well Site Safety Platas provided in section 15 of this	of the surface tra for roads or other even of this article (sic] is known to easehold being de a repair, removal veyor who is known the center of the val agas storage fields to-owners of inter- paired upon the pair- ing of this code, the the lien holder is an ("WSSP") to the	ct or tracts overlying the r land disturbance as e; (3) The coal owner, be be underlain by one or eveloped by the proposed or abandonment of any own to the applicant to well pad which is used to d within which the rests described in the (2) Notwithstanding any the landowner, W. Va.
☑ Appl	ication Notice	I WSSP Notice □ E&S	Plan Notice	☑ Well Plat Notice is her	eby provided to) :
	ACE OWNER(s)			☑ COAL OWNER OR LESS	SEE	
	See Attached List			Name: See Attached List		 .
Address	; 			Address:		
Jame-		<u> </u>		TOO AL OPERATOR		RECEIVED
ddress:				COAL OPERATOR		THE OF CHARLES
	· _	· · · · · · · · · · · · · · · · · · ·		Name:		Aucaa
SURF.	ACE OWNER(s)	(Road and/or Other Distu	urbance)			AUG 2 2 2022
lame: _			,	SURFACE OWNER OF VAND/OR WATER PURVE	WATER WELL	lan . »
ddress:	:				YOR(s) En	vironmental Protection
				Name: See Attached List		
ddress:	·			Address:		
	·			OPERATOR OF ANY NA	ATLIDAL CACE	TOD AGE FIELD
		(Impoundments or Pits)		Name:		
lame: _	<u> </u>	<u></u>		Address:		
ddress:				*Please attach additional for		
				Triesce attach additional for	me it necessors	

API NO. 47- 10 3 0 3 5 3 2

OPERATOR WELL NO. 18H

Well Pad Name: Haggard

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

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API NO. 47-OPERATOR WELL NO. 16H Well Pad Name: Haggard

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written application or construction of the applicant's proposed well work to the Secretary at:

Office of Oil and Gas

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

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Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

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API NO. 47OPERATOR WELL NO. 164
Well Pad Name: Haggard

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have THIRTY (30) 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.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and 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.

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons:
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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Environmental Protection

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API NO. 47-___OPERATOR WELL NO. 18H
Well Pad Name: Haggard

Notice is hereby given by:

Well Operator: EQT Production Company

Telephone: 412-584-3132 Email: Jzavatchan@eqt.com Address: 400 Woodcliff Drive

Canonsburg, PA 15317

Facsimile: 412-395-2974

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

Commonwealth of Pennsylvania - Notary Seal Rebecca Shrum, Notary Public Beaver County My commission expires March 9, 2024 Commission number 1267706

Member, Pennsylvania Association of Notaries

Subscribed and sworn before me this 18th day of August, 2012

Notary Public

My Commission Expires March 9, 2024

Haggard

Surface Owner (All Disturbance):

Amie Lee Henderson 470 Travis Drive Bridgeport, WV 26330

Water Supply Owners within 1,500'

Charles & Ila Mae Musgrave 5050 Postlethwait Ridge Rd, Wileyville, WV 26581

David A & Mary A Morris 4459 Postlethwait PDG Road, Wileyville, WV 26581

Donald Neal Crane 47980 Fredricktown Clarkson Rd Negley, Ohio 44441

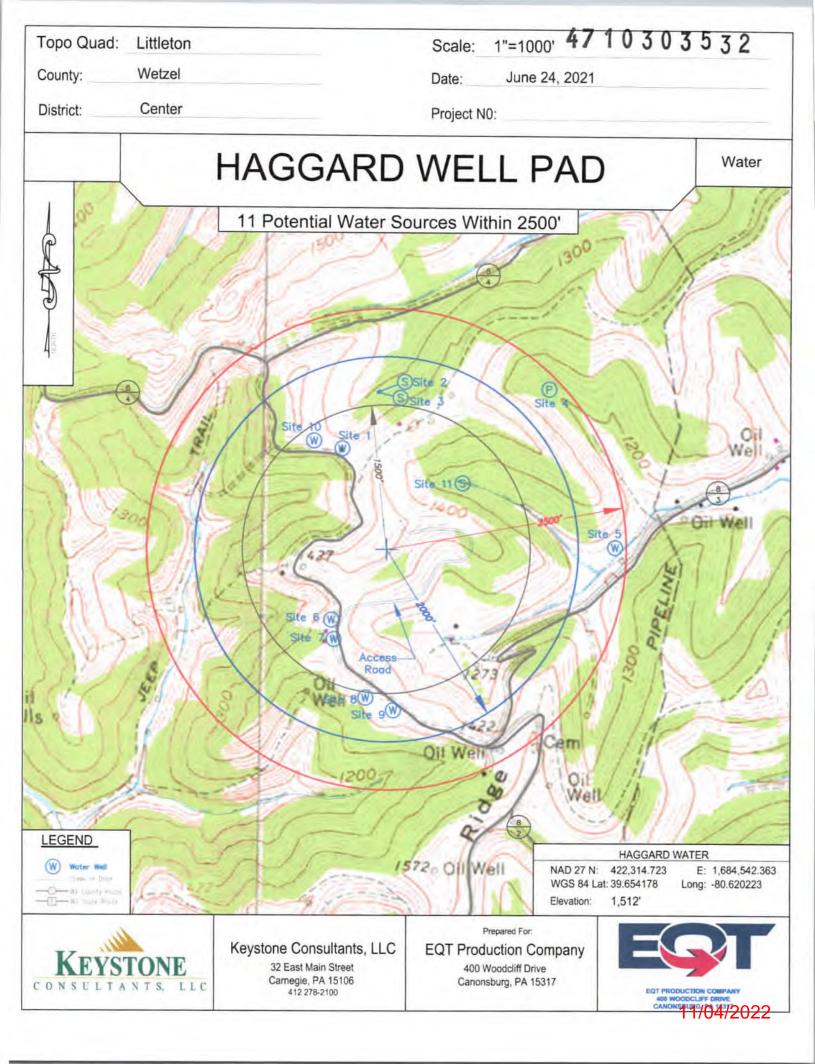
Scott L Musgrave & Charles & Ila Mae Musgrave 5050 Postlethwait Ridge Rd, Wileyville, WV 26581

Coal Owners

Consol RCPC LLC 1000 Consol Energy Drive Canonsburg, PA 15317

Blackrock Enterprises, LLC PO Box 342 Salem, WV 26424

Amie Lee Henderson 470 Travis Drive Bridgeport, WV 26330



EST TO	able 1 - Water Source Identification	
EQT Well Pad Name:	Haggard (4H) Submittal Date:	1/15/2021
EQT Well Number:	1	
Survey/Engineering Company:	Keystone Consultants, LLC.	
Site Number:	1	Landowner Requested
Distance from Gas Well (Ft):	1191±	Sampling
Surface Owner/ Occupant:	Charles & Ila Mae Musgrave	Landowner Decline
Address:	5050 Postlethwait Ridge Rd, Wileyville, WV 26581	Sampling
Phone #:	304-775-2392	
Field Located Date:	11/2/2020	Unable to Contact (Further Contact attempts to be
Owner Home during Survey (Y/N)	No	made by EQT's 3rd party pre-drill
Coordinates: (decimal degrees NAD83)	39.657040, -80.621911	sampling lab)
Contact Attempts (Date):	1st: 8/25/2020 2nd: 10/30/2020 Door Hanger Left:	
Comments:	WATER WELL - Located about 81 ft. from road. Certified mail so 11/02/2020.	ent 7/23/2020. Field visit
Site Number:		
Distance from Gas Well (Ft):	2	Landowner Requested
Surface Owner/ Occupant:	1678±	Sampling
Address:	Charles & Ila Mae Musgrave	Landowner Decline
Phone #:	5050 Postlethwait Ridge Rd, Wileyville, WV 26581	Sampling
Field Located Date:	304-775-2392	Unable to Contact
	11/2/2020	(Further Contact attempts to be
Owner Home during Survey (Y/N)	Yes	made by EQT's 3rd party pre-drill sampling lab)
Coordinates: (decimal degrees NAD83)	39.658674, -80.620565	
Contact Attempts (Date):	1st: 8/25/2020 2nd: 10/30/2020 Door Hanger Left:	1
Comments:	SPRING - Located near spring holding tank. Certified mail sent 11/02/2020.	7/23/2020. Field visit
Site Number:	3	Landanasa Bassasa d
Distance from Gas Well (Ft):	1671±	Landowner Requested Sampling
Surface Owner/ Occupant:	Charles & Ila Mae Musgrave	Landowner Decline
Address:	5050 Postlethwait Ridge Rd, Wileyville, WV 26581	Sampling
Phone #:	304-775-2392	
Field Located Date:	11/2/2020	Unable to Contact
Owner Home during Survey (Y/N)	Yes	(Further Contact attempts to be made by EQT's 3rd party pre-drill
Coordinates: (decimal degrees NAD83)	39.658652, -80.620613	sampling lab)
Contact Attempts (Date):	4	
	15t: 8/25/2020 2nd: 10/30/2020 Door Hanger Left: SPRING HOLDING TANK - Near spring. Certified mail sent 7/23/	1
Comments:	11/02/2020.	2020. Field VISIT

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Site Number:	4	Τ_	Landowner Requested
Distance from Gas Well (Ft):	2377±	1 ☑	Sampling
Surface Owner/ Occupant:	Calvin T Jr. & Monica L Morris	1 _	Landowner Decline
Address:	711 Morris Run Road, Wileyville, WV 26581		Sampling
Phone #:	304-775-2029	1 _	
Field Located Date:	1/11/2021		Unable to Contact
Owner Home during Survey (Y/N)	Yes	1	(Further Contact attempts to be made by EQT's 3rd party pre-drill
Coordinates: (decimal degrees NAD83)	39.658803, -80.614285	1	sampling lab)
Contact Attempts (Date):	1st: 8/25/2020 2nd: Door Hanger Left:	-	
Comments:	POND - Certified mail sent 7/23/2020. Field visit 1/11/2021.	1	
Site Number:	5		Landowner Requested
Distance from Gas Well (Ft):	2352±	Ø	Sampling
Surface Owner/ Occupant:	Calvin T Jr. & Monica L Morris	i	Landowner Decline
Address:	711 Morris Run Road, Wileyville, WV 26581		Sampling
Phone #:	304-775-2029	l	or many
Field Located Date:	1/11/2021		Unable to Contact
Owner Home during Survey (Y/N)	Yes		(Further Contact attempts to be made by EQT's 3rd party pre-drill
Coordinates: (decimal degrees NAD83)	39.654314, -80.611764		sampling (ab)
Contact Attempts (Date):	1st: 8/25/2020 2nd: 1/8/2021 Door Hanger Left:	<u> </u>	
Comments:	WATER WELL - Certified mail sent 7/23/2020. Field visit 01/11/2	2021.	
Site Number;	6		Landowner Requested
Distance from Gas Well (Ft):	924±	V	Sampling
Surface Owner/ Occupant:	David A & Mary A Morris	_	Landowner Decline
Address:	4459 Postlethwait PDG Road, Wileyville, WV 26581		Sampling
Phone #:	304-775-4301		
Field Located Date:	8/27/2020		Unable to Contact
Owner Home during Survey (Y/N)	Yes		(Further Contact attempts to be made by EQT's 3rd party pre-drill
Coordinates: (decimal degrees NAD83)	39.652150, -80.622240		sampling lab)
Contact Attempts (Date):	1st: 8/25/2020 2nd: Door Hanger Left:	<u> </u>	
Comments:	WATER WELL - Located about 85 ft. from road. Certified mail set 08/27/2020/.	nt 7/2	23/2020. Field visit
Site Number:	7		Landowner Requested
Distance from Gas Well (Ft):	1070±	₹	Sampling
Surface Owner/ Occupant:	David A & Mary A Morris	_	Landowner Decline
Address:	4459 Postlethwait PDG Road, Wileyville, WV 26581	<u>l</u>	Sampling
Phone #:	304-775-4301		
Field Located Date:	8/27/2020		Unable to Contact (Further Contact attempts to be
Owner Home during Survey (Y/N)	Yes	ı	made by EQT's 3rd party pre-drill
Coordinates: (decimal degrees NAD83)	39.651594, -80.622136		sampling lab]
Contact Attempts (Date):	1st: 8/25/2020 2nd: Door Hanger Left:		
	inter in payment in in interior in interio		
	WATER WELL - Located about S4 ft. from road. Certified mail ser	nt 7/2	2/2020 Field visit

Office of Oil and Gas

Site Number:	8	т—	
Distance from Gas Well (Ft):	1528±	· 🔽	Landowner Requested Sampling
Surface Owner/ Occupant:	John G. Miller, et al	4	Landowner Decline
Address:	4337 Postlethwait Ridge Rd, Wileyville, WV 26581	· 🗀	Landowner Decline Sampling
Phone #:	304-775-5373	1	
Field Located Date:	1/11/2021	┫╚	Unable to Contact
Owner Home during Survey (Y/N)	Yes	1	(Further Contact attempts to be made by EQT's 3rd party pre-drill
Coordinates: (decimal degrees NAD83)	39.649936, -80.620934	4	sampling lab)
Contact Attempts (Date):		-	
contact security (betty)	1st: 8/25/2020 2nd: Door Hanger Left: WATER WELL - Located about 150 ft. from road. Certified mail:		/22 /2020 Field
Comments:	01/11/2021.	sent /	/23/2020. Field Visit
Site Number:	9		
Distance from Gas Well (Ft):	1636±	· 🔽	Landowner Requested Sampling
Surface Owner/ Occupant:	John G. Miller	1	
Address:		┨╗	Landowner Decline Sampling
Phone #:	4337 Postlethwait Ridge Rd, Wileyville, WV 26581	ļ —	Sampling
Field Located Date:	304-775-5373	$ \Box $	Unable to Contact
	1/11/2021	↓ _	(Further Contact attempts to be
Owner Home during Survey (Y/N)	Yes	į	made by EQT's 3rd party pre-drill sampling (ab)
Coordinates: (decimal degrees NAD83)	39.649592, -80.619899	<u> </u>	2011
Contact Attempts (Date):	1st: 8/25/2020 2nd: 1/8/2021 Door Hanger Left:	<u>[</u>	
Comments:	WATER WELL - Located about 70 ft. from road. Certified mail se 1/11/2021.	:nt 7/2	23/2020. Field visit
Site Number:			
	10	v	Landowner Requested
Distance from Gas Well (Ft):	Banda Mad Cana	_	Sampling
Surface Owner/ Occupant:	Donald Neal Crane	┨┌	Landowner Decline
Address:	Postlethwait Ridge Rd Littleton, WV 26581	_	Sampling
Phone #:	234-567-0889	$ \Box $	Unable to Contact
Field Located Date:			(Further Contact attempts to be
Owner Home during Survey (Y/N)		l	made by EQT's 3rd party pre-drill sampling lab)
Coordinates: (decimal degrees NAD83)			sampling mot
Contact Attempts (Date):	1st: 8/25/2020 2nd: 1/8/2021 Door Hanger Left:	<u> </u>	
Comments:	WATER WELL - 1 Water well. Not field located. Landowner lister Questionnaire. They were not field located. Certified mail sent	-	_
Site Number:	11		Landowner Requested
Distance from Gas Well (Ft):	±	V	Sampling
Surface Owner/ Occupant:	Scott L Musgrave & Charles & Ila Musgrave	<u> </u>	Landowner Decline
Address:	5050 Postlethwait Ridge Rd, Wileyville, WV 26581		Sampling
Phone #:	304-775-2392	1	
Field Located Date:			Unable to Contact
Owner Home during Survey (Y/N)	: · · · · · · · · · · · · · · · · · · ·	•	
			(Further Contact attempts to be made by EQT's 3rd party pre-drill
	20 CCC/007 .20 G17/4/S		(Further Contact attempts to be made by EQT's 3rd party pre-drill sampling leb)
Coordinates: (decimal degrees NAD83)	39.656092, -80.617445		made by EQT's 3rd party pre-drill
Coordinates: (decimal degrees NAD83) Contact Attempts (Date):	39.656092, -80.617445 1st: 8/25/2020 2nd: 1/8/2021 Door Hanger Left: STREAM - Certified mail sent 7/23/2020. Not Field Located, Tak		made by EQT's 3rd party pre-drill sampling leb)

AUG 2 2 2022

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Date of Notic	ce: 06/24/2022	Date F	d at least TEN (10) days prior to filing a Permit Application Filed: 08/19/2021	a perint application.
Delivery met	hod pursuant	to West Virginia Code	§ 22-6A-16(b)	
☐ HAND	•	CERTIFIED MAIL		
DELIVE		RETURN RECEIPT R	EQUESTED	
drilling a hori of this subsec subsection ma and if availab	sted or hand del izontal well: Pition as of the day be waived in le, facsimile number of the day be waived in le, facsimile number of the state of t	ivery, give the surface o rovided. That notice give ate the notice was provide writing by the surface o	wher notice of its intent to enter upon to the pursuant to subsection (a), section to ded to the surface owner: <i>Provided, how</i> owner. The notice, if required, shall incu- il address of the operator and the operator	, an operator shall, by certified mail return the surface owner's land for the purpose of en of this article satisfies the requirements wever. That the notice requirements of this lude the name, address, telephone number, or's authorized representative.
	Lee Henderson	1 to the SURFACE O	Name:	
Address: 470	Travis Drive		Address:	
Bridg	eport, WV 26330		11441455	
the surface ov	est Virginia Co vner's land for t	ode § 22-6A-16(b), notice the purpose of drilling a	ce is hereby given that the undersigned horizontal well on the tract of land as fo	well operator has an intent to enter upon ollows:
Pursuant to W the surface ov State: County: District:	est Virginia Co	ode § 22-6A-16(b), notice the purpose of drilling a	ce is hereby given that the undersigned horizontal well on the tract of land as for the tract of land as for the land as for t	well operator has an intent to enter upon bllows: 532501 88 4389474 31 CR 8/2 Haggard
Pursuant to W the surface ow State: County:	est Virginia Covner's land for t West Virginia Wetzel Center	the purpose of drilling a	horizontal well on the tract of land as for the second of the last of land as for the last of	bllows: 532501 88 4389474 31 CR 8/2
Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile num related to hori	Vest Virginia Cover's land for to West Virginia Wetzel Center Littleton Lower West Virginia Shall Include Vest Virginia Conter and electrosizontal drilling	ia Fork Fish Creek Code § 22-6A-16(b), this conic mail address of the may be obtained from t	horizontal well on the tract of land as for the control of the con	bllows: 532501 88 4389474 31 CR 8/2
Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile num related to hori located at 601	Vest Virginia Covner's land for to West Virginia Wetzel Center Littleton Lower West Virginia West Virginia Cover Virginia Cover West Virginia Cover and electrosizontal drilling 57th Street, SE,	ia Fork Fish Creek Code § 22-6A-16(b), this conic mail address of the may be obtained from to Charleston, WV 25304	horizontal well on the tract of land as for the control of the con	bllows: 532601 88 4389474 31 CR 8/2 Haggard ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters.
Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile num related to hori located at 601 Notice is her	Vest Virginia Cover's land for to West Virginia Wetzel Center Littleton Lower West Virginia Shall Include Vest Virginia Conter and electrosizontal drilling	ia Fork Fish Creek Code § 22-6A-16(b), this point mail address of the may be obtained from to Charleston, WV 25304	horizontal well on the tract of land as for Easting: Northing: Public Road Access: Generally used farm name: is notice shall include the name, addret operator and the operator's authorize the Secretary, at the WV Department of (304-926-0450) or by visiting www.de	bllows: 532601 88 4389474 31 CR 8/2 Haggard ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile num related to hori located at 601 Notice is her	Vest Virginia Cover's land for the West Virginia Wetzel Center Littleton Lower West Virginia Shall Include Vest Virginia Couber and electronizontal drilling 57th Street, SE, reby given by:	ia Fork Fish Creek Code § 22-6A-16(b), this onic mail address of the may be obtained from to Charleston, WV 25304 Company	horizontal well on the tract of land as for the control of the con	bllows: 532601 88 4389474 31 CR 8/2 Haggard ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
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Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile num related to hori located at 601 Notice is her Well Operator	Vest Virginia Cover's land for to West Virginia Wetzel Center Littleton Lower West Virginia Shall Include Vest Virginia Couber and electrolizontal drilling 57th Street, SE, reby given by: EQT Production 400 Woodcliff Dr	ia Fork Fish Creek Code § 22-6A-16(b), this onic mail address of the may be obtained from to Charleston, WV 25304 Company	horizontal well on the tract of land as for Easting: Northing: Public Road Access: Generally used farm name: is notice shall include the name, address operator and the operator's authorized the Secretary, at the WV Department of (304-926-0450) or by visiting www.de	bllows: 532501 88 4389474 31 CR 8/2 Haggard ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. John Zavatchan 400 Woodcliff Drive
Pursuant to W the surface ow State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile num related to hori located at 601 Notice is her Well Operator Address:	Vest Virginia Cover's land for to West Virginia Wetzel Center Littleton Lower West Virginia Shall Include Vest Virginia Couber and electrodizontal drilling 57th Street, SE, reby given by: EQT Production 400 Woodcliff Dr	ia Fork Fish Creek Code § 22-6A-16(b), this conic mail address of the may be obtained from the Charleston, WV 25304 Company ive	horizontal well on the tract of land as for Easting: Northing: Public Road Access: Generally used farm name: is notice shall include the name, address authorized Secretary, at the WV Department of (304-926-0450) or by visiting www.de Authorized Representative: Address:	billows: 532601 88 4389474 31 CR 8/2 Haggard ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. John Zavatchan 400 Woodcliff Drive Canonsburg, PA 15317

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

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STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

	Landan and the Carlo Alexandra	Company of the second		
Delivery me	hod pursuant to West Virginia C	ode § 22-6A-16(c)		
■ CERTI	FIED MAIL	☐ HAND		
RETU	RN RECEIPT REQUESTED	DELIVERY		
return receipt the planned of required to be drilling of a damages to the d) The notice of notice.	requested or hand delivery, give the operation. The notice required by provided by subsection (b), section horizontal well; and (3) A propose he surface affected by oil and gas op	e surface owner whose lan- this subsection shall inclu- nate of this article to a surfa- d surface use and compen- terations to the extent the di- given to the surface owner	d will be used for de: (1) A copy face owner whose sation agreement amages are com	ication, an operator shall, by certified main for the drilling of a horizontal well notice of of this code section; (2) The information see land will be used in conjunction with the att containing an offer of compensation for pensable under article six-b of this chapter sted in the records of the sheriff at the time
Name: Amie Le Address: 470 Bridgeport, WV 20 Notice is her Pursuant to W operation on	eby given: /est Virginia Code § 22-6A-16(c), nother surface owner's land for the pur	Name: Addres	ne undersigned	
Name: Amie Le Address: 470 Bridgeport, WV 20 Notice is her Pursuant to Weperation on State:	ravis Drive 1330 Peby given: Vest Virginia Code § 22-6A-16(c), n	Name: Addres	ne undersigned	well operator has developed a planned act of land as follows: 532601 88
Name: Amie Le Address: 470° Bridgeport, WV 20 Notice is her Pursuant to W operation on State: County:	eby given: /est Virginia Code § 22-6A-16(c), nthe surface owner's land for the pur	Name: Addres notice is hereby given that troose of drilling a horizonta	ne undersigned I well on the tra Easting: Northing:	act of land as follows: 532601 88
Name: Amie Le Address: 470° Bridgeport: WV 20 Notice is her Pursuant to W operation on State: County: District:	e Henderson Fravis Drive 5330 eby given: /est Virginia Code § 22-6A-16(c), n the surface owner's land for the pur West Virginia Wetzel	Name: Addres notice is hereby given that to rpose of drilling a horizonta UTM NAD 8 Public Road	ne undersigned I well on the tra Easting: Northing:	act of land as follows: 532601 88 4389474.31
Name: Amie Le Address: 470 Bridgeport, WV 20 Notice is her Pursuant to W	eby given: /est Virginia Code § 22-6A-16(c), n the surface owner's land for the pur West Virginia Wetzel Center	Name: Addres notice is hereby given that to rpose of drilling a horizonta UTM NAD 8 Public Road	ne undersigned I well on the tra Easting: Northing: Access:	act of land as follows: 532601 88 4389474 31 CR 8/2
Name: Amie Le Address: 470 Bridgeport, WV 20 Notice is her Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W o be provide forizontal we for affect formation or	eby given: /est Virginia Code § 22-6A-16(c), n the surface owner's land for the pur West Virginia Wetzel Center Littleton Lower West Virginia Fork Fish Creek Shall Include: /est Virginia Code § 22-6A-16(c), t d by W. Va. Code § 22-6A-10(b) II; and (3) A proposed surface use a ed by oil and gas operations to the elated to horizontal drilling may be located at 601 57th Street, SE, ault.aspx.	Name: Addres Addres notice is hereby given that tropose of drilling a horizonta UTM NAD 8 Public Road Generally use this notice shall include: (1 to a surface owner whose and compensation agreement extent the damages are content of the secret obtained from the Secret content in the secret obtained from the Secret in the damages are content of the secret obtained from the Secret in the secret in the secret obtained from the Secret in the secr	ne undersigned I well on the tra Easting: Northing: Access: ad farm name: A copy of this I land will be undersigned ary, at the WV	act of land as follows: STATE OF LAND COMPANY
Name: Amie Le Address: 470 Bridgeport: WV 20 Notice is her Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W o be provide for izontal we for izontal	eby given: /est Virginia Code § 22-6A-16(c), n the surface owner's land for the pur West Virginia Wetzel Center Littleton Lower West Virginia Fork Fish Creek Shall Include: /est Virginia Code § 22-6A-16(c), t d by W. Va. Code § 22-6A-10(b) II; and (3) A proposed surface use a ed by oil and gas operations to the elated to horizontal drilling may be located at 601 57th Street, SE, ault.aspx.	Name: Addres Addres Totice is hereby given that to a surface owner whose and compensation agreeme extent the damages are compensation, WV 25304	ne undersigned all well on the tra Easting: Northing: Access: ed farm name: (A copy of this e land will be understanding arompensable undersy, at the WV (304-926-0450)	act of land as follows: STATE STATE STATE

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov. RECEIVED

Office of Oil and Gas

AUG 2 2 2022

WV Department of Environmental Protection



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

D. Alan Reed, P.E. Charleston, West Virginia 25305-0430 • (304) 558-3505
State Highway Engineer

Jimmy Wriston, P. E. Secretary of Transportation Commissioner of Highways

June 21, 2022

James A. Martin, Chief Office of Oil and Gas Department of Environmental Protection 601 57th Street, SE Charleston, WV 25304

Subject: DOH Permit for the Haggard Pad, Wetzel County Haggard 16H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2021-0206 which has been issued to EQT Production Company for access to the State Road for a well site located off Wetzel County Route 8/2 SLS MP 0.80.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated October 1, 2018. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Gary K. Clayton, P.E.

Dary K Clayton

Regional Maintenance Engineer Central Office O&G Coordinator

Cc: John Zavatchan

EQT Production Company

CH, OM, D-6

File

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Office of Oil and Gas

AUG 2 2 2022

WV Department of Environmental Protection

Anticipated Frac Additives Chemical Names and CAS Numbers

<u>Material</u>	<u>Ingredient</u>	CAS Number
Sand (Proppant)	Silica Substrate	14808-60-7
Water	Water	7732-18-5
Hydrochloric Acid (HCI)	Hydrogen Chloride	7647-01-0
Friction Reducer	Copolymer of 2-propenamide	Proprietary
	Petroleum Distillate	64742-47-8
	Oleic Acid Diethanolamide	93-83-4
	Alcohols, C12-16, ethoxylated	68551-12-2
	Ammonium chloride ((NH4)Cl)	12125-02- 9
Biocide	Glutaraldehyde	111-30-8
	Alkyl dimethyl benzyl ammonium chloride	68391-01-5
	Didecyl dimethyl ammonium chloride	7173-51-5
	Non-hazardous substances	Proprietary
Scale Control	Bis(HexaMethylene Triamine Penta(Methylene Phosphonic Acid)(BHMT)	34690-00-1
	Non-hazardous substances	Proprietary
Acid Chelating Agent	Citric Acid	77-92-9
Corrosion Inhibitor	Methanol	67-56-1
	pyridinium, 1-(phenylmethyl)-, ethyl methyl derivs., chlorides	68909-18-2
	Nonoxynol-9	127087-87-0
	2-ethyl-1-hexanol	104-76-7
	4-nonylphenyl, ethoxylated	26027-38-3

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Office of Oil and Gas

AUG 2 2 2022

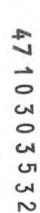
WV Department of Environmental Protection WW-6A7 (6-12)

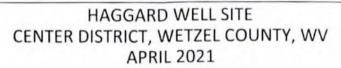
OPERATOR: EQT Production Company	WELL NO: 16H
PAD NAME: Haggard	
REVIEWED BY: John Zavatchan	_ SIGNATURE:
	// 0 /

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

Vell Restri	ictions
\checkmark	At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland; OR
	DEP Waiver and Permit Conditions
\checkmark	At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to any Naturally Producing Trout Stream; OR
	DEP Waiver and Permit Conditions
\checkmark	At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to any Groundwater Intake or Public Water Supply; OR
	DEP Waiver and Permit Conditions
\checkmark	At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled; OR
	Surface Owner Waiver and Recorded with County Clerk, OR
	DEP Variance and Permit Conditions
\checkmark	At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pad; OR
	Surface Owner Waiver and Recorded with County Clerk, OR
	DEP Variance and Permit Conditions
\checkmark	At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad; OR
	Surface Owner Waiver and Recorded with County Clerk, OR
	DEP Variance and Permit Conditions





WEST VIRGINIA 811

TWO WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR MUST CONTACT THE WV ONE CALL SYSTEM, INC., 1-800-245-4848 (WV ONE CALL TICKET #2005785596)

OWNER



10T PRODUCTION COMPANY 400 WOODERFF DRIVE CANONSBURG, PA 15317 APPROVED WVDEP OOG 8/18/2021 SHEET INDEX

2-3 EVACUATION ROUTE/PREVAILING WIND 4-EAS CONTROL LAYOUT OVERVIEW

5-6 EBS CONTROL LAYOUT
7 EBS CONTROL AND SITE PLAN OVERVIEW
8-9 EBS CONTROL AND SITE PLAN

10 WELL PAD PROFILES
11 ACCESS ROAD PROFILE
12:15 ACCESS ROAD CROSS-SECTIONS
16:19 DETAILS

20 RECLAMATION PLAN OVERVIEW 21-22 RECLAMATION PLAN

TOTAL LIMITS OF DISTURBANCE 15 24 AC ACCESS ROAD DISTURBANCE AREA 6 40 AC WELL PAD DISTURBANCE AREA 8 84 AC

PROPERTY PROJECT BOUNDARY ACREAGE

PLANS PREPARED BY:

BOORD BENCHEK & ASSOCIATES, INC.

ENGINEFRING SURVEYING, CONSTRUCTION AND MINING SERVICES SOUTHPOINTE, PA 15317 PHONE: 724-746-1055

Bugn Hum (6-23-21



ANDREW BENCHEK

