

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 10H

47-103-03529-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450

James A. Martin

Chief

Operator's Well Number: Haggard 10H

Farm Name: Amie Lee Henderson

U.S. WELL NUMBER: 47-103-03529-00-00

Horizontal 6A New Drill Date Issued: 10/31/2022

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 counsit with USACE regarding this proposed activity.
- 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 easing 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 easing. Under no circumstance should (20) feet of easing 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 results shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test
- 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 emitted 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 supply well.
- Pursuant to the requirements pertaining to the sampling of demestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical date provide a written copy to the Chief and any 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 lose of life or serious personal injury occurs in or about a well or well work on 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 casing and comenting process, in the event coment does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

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API Number:	

PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, constituted well work, and completion of the well. Such notice shall be provided by earnding an email to DEPOOGNotify@avv.gov.



August 19, 2022

Via FedEx Overnight

West Virginia Department of Environmental Protection Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 4710303529

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Office of Oil and Gas

AUG 2 2 2022

WV Department of

Environmental Protection

RE:

Horizontal Well Work Permit Application

Haggard 10H

Center District, Wetzel County, WV

WVDEP Recipient,

Attached please find the Well Work Permit Application for the well referenced above. You will find the following included with this submittal:

- Check in the amount \$5,150.00
- Horizontal 6A Well Permit App. Checklist
- Completed WW-6B and supporting documents, approved by the Inspector
- WW-9 Fluids/Cuttings Disposal & Reclamation Plan, approved by the Inspector
- Site Specific Safety and Environmental Plan, approved by the Inspector
- Topographic map showing water supply information and the access road
- Water Source Identification Table
- Well Location Plat
- Completed Form WW-6A1 and supporting documentation
- Road Crossing Letter
- Notification Information (WW-PN, WW-6AC, WW-6A, WW-6A4, WW-6A5)
- Department of Highways Certification Letter
- Anticipated Frac Additives List
- Pages 1, 8 and 9 of the Site Plans, previously approved by WVDEP
- Completed Form WW-6A7 Well Restrictions Checklist
- Hydraulic Fracturing Monitoring Plan
- DVD containing the Site-Specific Safety and Environmental Plan, Site Plans, MSDS Sheets & Water Management Plan

This well is a new well proposed on a well site which is currently under construction. Additional proposed topholes have been added to the well site. These are shown on the revised drawings included on the DVD. No other material changes have been proposed to the previously approved drawings.

EQT Production trusts that if any portion of the submitted documentation is found to be inadequate for processing the permit, notification will be made to our Permitting department at your earliest convenience. It is EQT Production's intent to cooperate fully to provide any additional requested documentation and clarification in a timely manner such that permitting proceeds in a predictable and logical manner.

Best Regards,

John Zavatchan

Project Specialist - Permitting

zavatchan@eqt.com

724-746-9073

47103 API NO. 47-	0	3	5	2	9
OPERATOR WELL	NO.	10H			1
Well Pad Name:	Haggard	ī			

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

1) Well Operator: EQT Production Cor	mpany 306686	Wetzel /	Center Littleton
	Operator ID	County	District Quadrangle
2) Operator's Well Number: 10H	Well P	ad Name: Hagga	ard
3) Farm Name/Surface Owner: Amie Lee	Henderson Public R	oad Access: CR	8/2
4) Elevation, current ground: 1,512'	Elevation, propose	d post-construction	on: 1,512'
5) Well Type (a) Gas X Other	Oil Un	derground Storag	ge
(-/	X Deep		
6) Existing Pad: Yes or No Yes - Currently	y Under Construction		
7) Proposed Target Formation(s), Depth(s Marcellus, 7,618', 47', 2,620 psi), Anticipated Thickness	and Expected Pr	ressure(s):
8) Proposed Total Vertical Depth: 7,618'	/		
	arcellus		RECEIVED Office of Oil and Gas
10) Proposed Total Measured Depth: 10	1,434'		AUG 2 2 2022
11) Proposed Horizontal Leg Length: 2.4	440'		2 2 2022
12) Approximate Fresh Water Strata Depth	hs: 443' /		Environmental Protection
13) Method to Determine Fresh Water Dep	pths: Offset wells: 47-10	3-02236, 47-103-0	02647
14) Approximate Saltwater Depths: No de	eep water shows listed in of	fsets	
15) Approximate Coal Seam Depths: 1.31	17'-1,320'; 1,415'-1,420'	/	
16) Approximate Depth to Possible Void ((coal mine, karst, other):	N/A	
17) Does Proposed well location contain of directly overlying or adjacent to an active		No No	X
(a) If Yes, provide Mine Info: Name:			
Depth:			
Seam:			
Owner:			

WW-6B (04/15) API NO. 44710303529

OPERATOR WELL NO. 10H
Well Pad Name: Happard

18)

CASING AND TUBING PROGRAM

ТҮРЕ	Size (in)	New or Used	<u>Grade</u>	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			1				
Intermediate	9 5/8	New	J-55	36	2908	2908	1100 ft^3 / CTS
Production	6	New	P-110	24	10434	10434	500' above intermediate casing
Tubing				_			
Liners							

Kenneth Greynolds Service August Grands (Annah).

ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (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

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SEP 28 2022

Kind:		WV Department of Environmental Protection
Sizes:		
Depths Set:		

WW-6B (10/14)

API 407.47 0 3	0 3	Ⴢ	2	9	
OPERATOR WE	LL NO.	:0H			

OPERATOR WELL	NO. <u>10H</u>
Well Pad Name:	Haggard

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

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.

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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.

*Note: Attach additional sheets as needed.



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.

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James Peterson

Environmental Resources Specialist / Permitting

Promoting a healthy environment.

Office of Oil and Gas

AUG 2 2 2022

WV Department VI



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

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 easing 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.

Office of Oil and Gas

AUG 22 2022

WV Departmental 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.

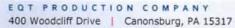
IN THE NAME OF THE STATE OF WEST VIRGINIA

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
AUG 2 2 2022

WV Departm Protection





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 10H

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

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Office of Oil and Gas

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west virginia department of environmental protection

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

Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.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)		alami ala
LEGISLATIVE RULE 35CSR8,)	ORDER NO.	2016-20
SECTION 9.2.H.2.)		
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 the Lafarge OneCem cement blend (OneCem) on the coal, intermediate and production casing strings.

Office of Oil and Gas

SEP 28 2022

FINDINGS OF FACT

WV Department of Environmental Protection

- On July 24, 2015, EQT Production Company (EQT) submitted a variance request for the use of OneCem, from Legislative Rule 35CSR8, Section 9.2.h.2.
- Laboratory analysis submitted by EQT on July 24, 2015, indicate OneCem meets or exceeds all other specific requirements found in Legislative Rule 35CSR8, Section 9.2.h.
- On May 13, 2016, the Office of Oil and Gas provided public notice of acceptance of
 public comments on the variance request. During the 30-day public comment period, no
 comments were received.

CONCLUSIONS OF LAW

Pursuant to 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 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of this rule.

ORDER

It is ordered that the Lafarge OneCem cement blend, referenced in MSDS Version 1.0 issued on April 21, 2014, is approved for use on the coal, intermediate and production casing strings for well drilling subject to the provisions of Legislative Rule 35CSR8. This approval does not apply to cementing of freshwater casing strings.

Dated this, the 20th day of July, 2016.

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





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 10H 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 GEOLOGICAL PROGNOSIS

Horizontal Well

Pad Name

HAGGARD LIT68

Drilling Objectives: Quad: Marcellus Littleton

County: Elevation: Wetzel

Elevation: Recommended Azimuth 1525 KB Degrees 1512 GL

Recommended total wellbore length:

Proposed Logging Suite:

-No Pilot Hole Needed

Coal requirements:

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

ESTIMATED FORMATION TOPS	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	THE PROPERTY OF THE PARTY OF TH
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	200 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Upper Speechley	4117	4178	Silty sand	
Speechley	4178	4262	Silty sand	
Balltown	4262	4592	Silty sand	
Bradford	4592	5735	Silty sand	
Benson	5735	6072	Silty sand	m
Alexander	6072	6531	Silty sand	ä
Elk	6531	7222	Silty sand	TO A ST
Sonyea	7222	7349	Gray shale	AUG AUG ronme
Middlesex	7349	7383	Black Shale	G of the
Genesee	7383	7450	Gray shale interbedded	and
Geneseo	7450	7479	Black Shale	2
Fully	7479	7501	Limestone	RECEIVED Office of Oil and AUG 2 2 20 WV Department
lamilton	7501	7594	Gray shale with some	RECEIVED Office of Oil and Gas AUG 2 2 2022 WV Department of Environmental Protection
Marcellus	7594	7641	Black Shale	Gas 122
-Purcell	7614	7616	Limestone	3
-Cherry Valley	7626		Limestone	
-Lateral Zone	7618			
Onondaga	7641		Limestone	

Comments

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	- 6 - 9

EQT Production Wellbore Diagram Wetzel 47 10 3 0 3 5 2 9 Well: Haggard 10H County: Pad: Haggard State: West Virginia Elevation: 1512' GL 1525' KB Conductor @ 40' 26", 85.6#, A252 GR3, cement to surface w/ Class A/L Surface @ 1,470' 13-3/8", 54.5#, J-55, cement to surface w/ Class A/L Intermediate 2,908' @ 9-5/8", 36#, J-55, cement to surface w/ Class A/L RECEIVED Office of Oil and Gas SEP 28 2022 WV Department of Environmental Protection 10,434' MD / 7,618' TVD Production @ 6", 24#, P-110, cement to 500' inside 9-5/8" w/ Class A/H/L Formation: Marcellus Kenneth Greynolds 11/04/2022 NOT TO SCALE

WW-9 (4/16)

API Number 47 - _ - Operator's Well No. Happard 10H

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 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_	
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. Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. See	r con a second con
	Attached
-If oil based, what type? Synthetic, petroleum, etc. Synthetic Mud	
Additives to be used in drilling medium? See Attached	Office of Oil and Gas
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	AUG 2 2 2022
-Landfill or offsite name/permit number? See Attached List	WV peparim
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 permittee it was properly disposed.	Environmental Protection ated waste rejected at any mittee shall also disclose
I certify that I understand and agree to the terms and conditions of the GENERAL WATER Proportion of the Office of Oil and Gas of the West Virginia Department of Environmental Proprovisions of the permit are enforceable by law. Violations of any term or condition of the general polaw or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the inapplication form and all attachments thereto and that, based on my inquiry of those individuals obtaining the information, I believe that the information is true, accurate, and complete. I am away penalties for submitting false information, including the possibility of fine or imprisonment. Company Official Signature Company Official Title Project Specialist - Permitting	tection. I understand that the ermit and/or other applicable formation submitted on this
Subscribed and gworn before me this 18th day of August 20 22	
1//	Commonwealth of Pennsylvania - Notary Seal
The baccs Alu Notary Public	Rebecca Shrum, Notary Public Beaver County
My commission expires Maran 9,2024	My commission expires March 9, 2024 Commission number 1267706
	Member, Pennsylvania Asio Lation Metaries

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.

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WV Jepaning Environmental Protection

<u> </u>			Production Water Pla						
Facility Name		Offsite Disp	osals for Unconvention	on al Wells					
	Address	Address 2	City	State	Zip	Phone	County	State	Permit Number
CWS Trucking Inc.	P.O. Box 391		Williamstown	wv	26187	740-516-3586	Noble	ОН	3390
							-	1011	3390
Broad Street Energy LLC	37 West Broad Street	Suite 1100	Columbus	ОН	43215	740-516-5381	Washingoth	он —	8462
				 -	1752.5	740 310 3301	**************************************	Поп	8462
LAD Liquid Assets Disposal Inc.	226 Rankin Road		Washington	PA	15301	724-350-2760			-
	<u> </u>		TT	 	13301	724-330-2760	Unio	wv	USEPA WV 0014
Triad Energy	PO Box 430		Reno	ОН	45773	740 516 5024	 	 	
			The House	- 1011	43//3	740-516-6021	Noble	он	4037
· · · · · · · · · · · · · · · · · · ·	<u> </u>		· ··	 -	┼	740-374-2940	 		
Tri County Waste Water Management, Inc.	1487 Toms Run Road		Holbrook	 	45044	 	<u> </u>	⊥	
	- I I I I I I I I I I I I I I I I I I I		HOIDFOOK	PA	15341	724-627-7178	Greene	PA	TC-1009
			 		<u> </u>	724-499-5647	<u> </u>		
King Excavating Co. Advance Waste Services	101 River Park Drive	 -	 		<u> </u>				
d	101 NVEI FAIR DIIVE		New Castle	PA	16101	<u> </u>	Lawrence	PA	PAR000029132
Waste Management - Meadowfill Landfill	Pt 2 Cou CO Down D				<u> </u>				
To a se monagement - Meadowith Landill	Rt. 2, Box 68 Dawson Drive		Bridgeport	WV_	16330	304-326-6027	Harrison	wv	SWF-1032-98
	 	<u> </u>			l.				Approval #100785WV
Macta Biographic Street					_				***************************************
Waste Management - Northwestern Landfill	512 E. Dry Road	<u></u>	Parkersburg	WV	26104	304-428-0602	Wood	wv —	SWF-1025 WV-0109400
ARTICL INIT]			 	3411 1023 444-0103400
APEX Landfill	11 County Road 78	PO Box 57	Amsterdam	ОН	43903	740-543-4389	Jefferson	ОН	06-08438
				_		1000			
Advanced Disposal - Chestnut Valley Landfill	1184 McClellandtown Road		McClellandtown	PA	15458	724-437-7336	Favette	PA	1100410
<u> </u>						724 437 7330	Tayette		100419
Westmoreland Sanitary Landfill	901 Tyrol Boulevard		Belle Vernon	PA	15012	724-929-7694	Westmoreland	PA	
					13011	724-923-7034	westinoreland	PA	100277
Austin Master Services	801 North 1st Street		Martins Ferry	ОН	43935	740-609-3800	D.d	 	
			ind this very	-1011	43233	740-609-3600	Belmont	ОН	2014-541
Belmont Solids Control	77505 Cadiz-New Athers Road		Cadiz	ОН	43007	740.040.4700		 	
			Cauiz		43907	740-942-1739	Harrison	ОН	2015-511
Diversified Resources	3111 Braun Rd.	 -	D-I						
	Data Gradin No.	- 	Belpre	ОН	45714	740-401-0413	Washington	OH	
				+		<u> </u>			
	1					740-610-1512			34-031-27177
Buckeye Brine	23986 Airport Road		Coshocton	он	43812	724-591-4393		ОН	34-031-27178
	23380 Airport Road			J		714-391-4393	Coshocton		34-031-27241
entral Environmental Services	20227344 A B L B#	 							
STATES STATES	28333 West Belpre Pike		Coolville	ОН	<u>457</u> 23	304-488-0701	Athens	ОН	_
Juverra - Nichols							<u> </u>		
AGA SEL	10555 Veto Road		Belpre	ОН	45714	330-232-5041	Washington	ОН	34-119-2-8776
luverra - Goff m	9350 East Pike Road		Norwich	OН	43767	330-232-5041	Muskingum	он	34-167-2-3862
Juverra - Wolf									37 207-2-3002
	5480 State Route 5		Newton Falls	ОН	44444	330-232-5041	Trumbull	ОН	34-155-2-1893
3 3 3 7				1					34-133-7-1933
iuverra Pander 3 G m	5310 State Route 5		Newton Falls	ОН	44444	330-232-5041	Trumbull	ОН	24 455 2 2705
<u> </u>			1	 		-20 231-3041	1. SINDON	<u></u>	34-155-2-3795
luverra - AnnaRock D-1	3549 Warner Road		Fowler	Он	44418	330-232-5041	Trumbull		-
		 		1011		JJU"ZJZ"DU41	irumpuli i	OH	34-155-2-2403

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17-085-09721	1
34-105-2-3619	ļ
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199 Bowersock Road

38505 Marietta Rd.

122 Lonesome Pine Rd

53610 TS Rd 706

745 North 3rd Street

38 Technology Dr.

2341 OH-821

FQ Helen

FQ Dexter

FQ Ritchie

FQ Mills

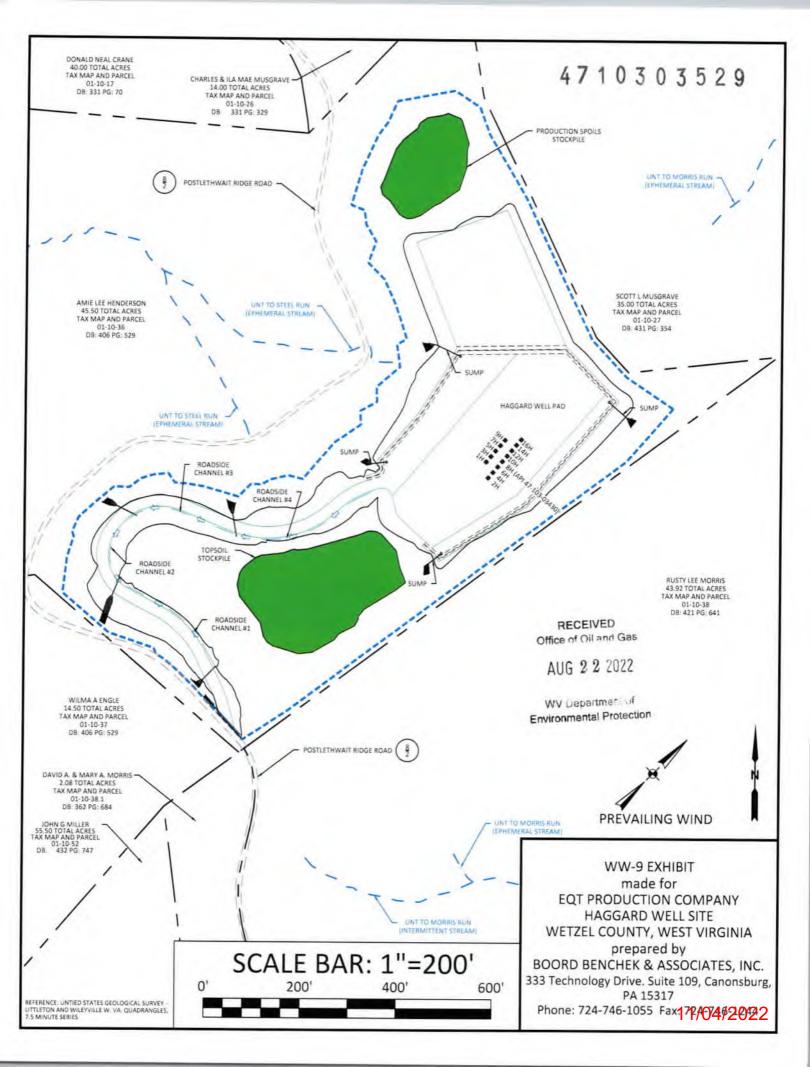
Petta Enterprises - OH

Petta Enterprises - WV

Deep Rock Disposal

WV باومونسها المراودية والمراودية المراودية ا

rroposed Revegetation Tre	atment: Acres Disturbed	Prevegetation pl	H
	Tons/acre or to correct to		
Fertilizer type Gr	anular 10-20-20	_	
Fertilizer amount_	500	_lbs/acre	
		ons/acre	
	<u>:</u>	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		
Attach: Maps(s) of road, location, piprovided). If water from the screage, of the land application of invol	pit will be land applied, include ion area	plication (unless engineered plans include dimensions (L x W x D) of the pit, and	ing this info have been dimensions (L x W), an
Maps(s) of road, location, piperovided). If water from the acreage, of the land applicate Photocopied section of involved the land Approved by:	pit will be land applied, include ion area ved 7.5' topographic sheet. neth Greynolds Digitally appead by Digitally appead b	Kenneth Greynolds Greynolds email = Kenneth L Greynolds email = Kenneth L Greynolds enail = Kenneth L	dimensions (L x W), an
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Maps(s) of road, location, piperovided). If water from the acreage, of the land applicate Photocopied section of involved the land Approved by: Plan Approved by: Pre-seed/per regulation. Up	pit will be land applied, include ion area ved 7.5' topographic sheet. neth Greynolds (Company agreed by Company agree	Kenneth Greynolds Kenneth Greynolds Kenneth Greynolds Greynolds email = Kenneth L Greynolds email =	bly possible, Manual. RECEIVED Office of Oil and C AUG 22 202 WV Departments Environmental Prote



EQT Production

Hydraulic Fracturing Monitoring Plan

Pad ID: Haggard

County: Wetzel

August 15, 2022

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Office of Operatings

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Wv Environ

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**.

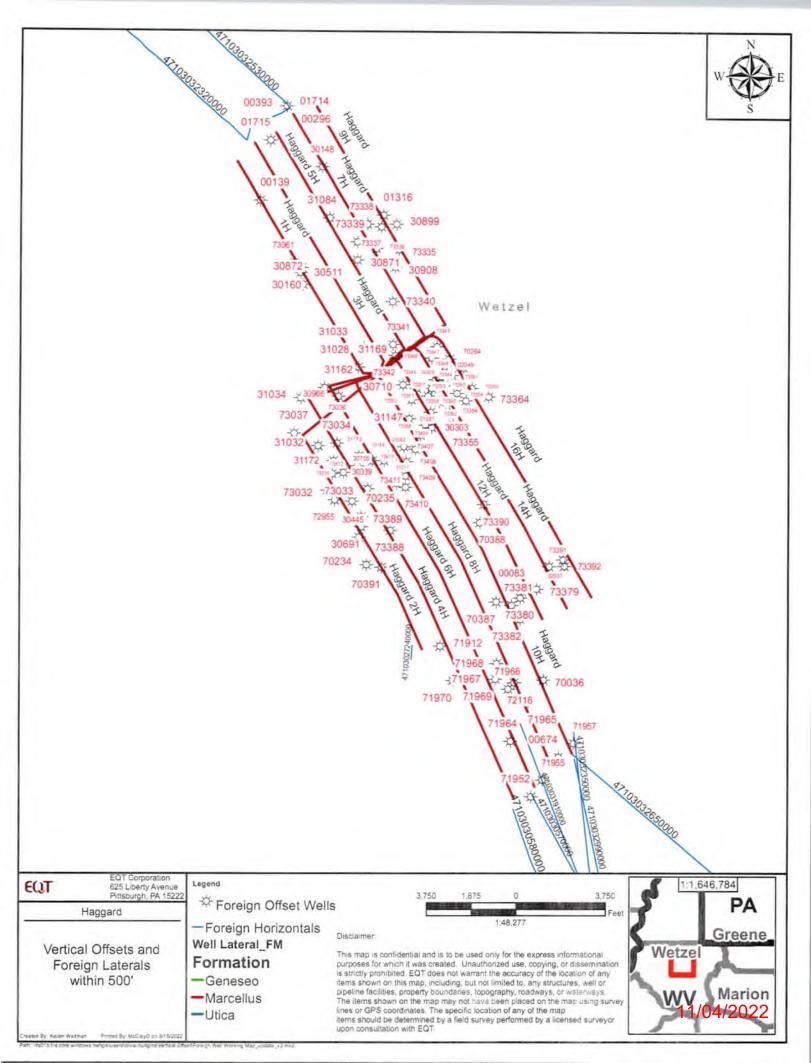
EQT will notify these operators of the hydraulic fracturing schedule for these wells, and coordinate with them throughout the fracturing process.

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.



UWI	ACI_STAPL(5	COMM OFFI II	INI, CIASS	INFI CLASS	TATRIUCI (164	IGHUGI OPER NAME				
74843	Completed Wells	MANUFACTURERS LIGHT & HEAT	EINCLASSIFII II	UNCLASSIFIED	19 65737800			[[[VATION]		
73411	Completed Wells	UNKNOWN	UNICLASSIFICE			TAJH 8 FHRIF ZHINDFARMAM COOSE (A DB	NAD27	п по	0.00	0.00
/1957				UNCLASSIFICD	39 (4010600	80.67030500 TINKNOWN	NAD27	0.00	0.00	0.00
	Completed Wells	UNKNOWN	UNCLASSIBILD	UNCLASSIFIED	\$9.60569700	-80.59794600 UNKNOWN	NA1127	0.00	00.00	0.00
73406	Completed Wells	UNKNIZAVN	UNCLASSITION	UNCLASSIFIED	89 64562200	80.615050001 (INKNOWN	MATI27	0.00	0.00	0.00
/131R	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	92.67146800	80 62718200 UNKNOWN	NAD21	000		
73336	Fompleted Wells	UNKNEWN	UNCLASSIFIED	PHICLASSIFIED	19.66471000				[1,[8]	
79348	Completed Welk	DNKNOWN	TINCLASSILLED			AULEAUS(ERIX) UNKNOWN	NAfi27	0.00	0.00	0.00
/1966	Completed Wells	UNKNOWN		UNCLASMERD	19.65 HAD4DXI	KO 61204BGO UNKNOWN	NAD27	0.00	0.00	D OF
			UNLIASMITO	UNCLASMEED	19.61804300	80 601 31 800 UNKNOWN	NAD27	9.00	0.00	0.00
78358	Completed Wells	LIMKNOWN	UNCLAMMILLO	UNICIASSITIED	19.64087800	#0.61148500 UNKNOWN	NAD71	9.00	0.00	0.00
73353	Lompleted Wells	UNKNOWN	(INCLASSIO)	UNCLASSICIED	89 650594NN	BO G 1148'00 UNKNOWN				
79061	Completed Wells	HNKNOWN	UNCLASSITED				NAD27	0.00	0.00	0.00
73)49	Completed Welk	UNKNOWN	UNITAMODED	UNCLASSICITY	19 66 / 11 600	ROAS 107000 UNKNOWN	NAD27	0.00	0.00	000
/4181				HINDASSIOLD	ラナセシノンおおくだ り	KO GL4KG-KOD LANKNEWN	NAD27	0.00	0.00	0.00
	Completed Welk	HINKINGWA	UNCLASSIFICE	UNCLASSIFIED	M 62762400	M7 (A078700 UNKNOWN	NAD27	0.00	0.00	0.00
73359	Completed Wells	UNKNOWN	UNCLASSIDED	UNFLASSIFIED	19 65700800	BOLGOBBY 7DO TINKNOWN	MAD27	0.00	0.00	0.00
7D3B7	Completed Wells	SCRUTH PENN ON	PSLUDD ORIGINAL WELL TINKNOWN CLASS	PSEUDD ORIGINAL WELL LANCOWN CLASS	7) 62806000	R0,60303000 SQUITE PENN CHI				
/3354	Completed Wells	UNKNOWN	UNICLASSIFICIO	UNCLASSIFICE			NAD27	0.00	0.00	0.00
70214	consisted Welk	STUTIL PLEN CAL			PH 6439L4100	RU.SOPPIR HOT TINKNOWN	NAD27	0.00	0.00	URU
			PSCHOOLORIGENAL WITH I KINKINGAVIN CLASS	PSTUDO ORKGINAL WITH HINKING WIND, LASS.	19.6 (24140)	BO 62737000 NAVITH PENN OIL	NAD27	0.00	0.00	DOM
31172	Completed Wells	UNKNOWN	DNCFASSIBILIT	UNCLASSICIETE	P1 644 13500	80 b27/490d_clinkNOWN	NAO24	0.00	0.00	0.00
74895	Completed Welk	HOPE NATURAL GAV.	UNCLASSIFIED	UNICLASSIFIED	P3 648 3790.0	80 60942000 HOHE NATURAL GAS	NAD//	0.00	0.00	0.00
73 446	Completed Wells	UNKNOWN	UNITASSIFIED	LINCLASSIFIED	19.65(0720)					
лы	Completed Welk	UNKROWN	UNCLASSITIEO			80 b176 L10d UNKNOWN	NAD27	0.00	0.00	0.00
71968				UNCLASSIFIED	19 65 /668001	#I) 61842900 UNKNOWN	NADZZ	0.00	0.00	90.00
	i anipieted Wells	UNICHERON	UNI LASSIFIED	LINC(ASSITIEC)	39 6,894 (420)	ZO 60 HOMANO LINIKINI YAYIN	NAD27	0.00	9.90	0.00
73350	Completed Wells	LINKNOWN	UH: LAWSERD	UNCLASSIFIED	99.65 L78200	WO 61561 IOO UNKNOWN	NAU2/	7.02	0.00	0.00
73.057	Completed Wells	LENENCHWN	KIMA ENZAFIED	UNCLASSIGED	99 (45 9) (460)	SO 61148500 THICKNOWN				
13139	Lampleted Wells	HNKNOWN	UNCLASSINED	UNCLASSIPRED			MAD27	0.00	0.00	0.00
/19/0	(sumpleted Wells	UNKACAAN			22 GANIA 1620G	80 62 RG IOO UNKNIWN	KAD77	0.00	0.00	0.00
/4329			(A)	NIMOLASSIFIED	63 6 ESCAPRO	BO GOTTH LOS TIMENOWN	MAND/7	0.00	0.00	11 (00)
	Completed Wells	UNKNOWN	ERM EASSDAFES	UNCEASSIFIED	P) 6.295 LEGO	#2 Y970 MOD UNKNOWN	KAD77	0.00	0.00	0.00
11164	Conspleyed Wells	UNENCHUN	LANCE ASSESSED.	UNCLASSICIED	PL644 (150)	80 6/14 SLOO HINKNOWN	NACI27			
11811	Completed Wets	LIMKNICKVN	ARCTASSIALO	UNGASSITUT				000	0.00	0.00
72955	Completent Wells	UMENCHYN	(ANTIASSIN)		··) 6 (21,7400)	\$4.59515700 UNKNKAVR	KAD27	0.00	0.00	0.00
/4151	-Archeted Wells	LIMITATION		ONCLASSITED	principal princi	80-62 A05400-118(ENO)(VP)	MAD27	o an	0.00	49 (87
			ONCEASED F	UNGASSIND	F) FN171700	BO N N 1 FACO UNICRONAN	NAD27	0.00	0.00	Q (%)
31332	s completed Wells	UNKNOWN	UNK (ASSIL) O	UNIXASSIEG D	19 5645-6500	80 61749000 Herrigoryk	NAD/7	9.00	990	0.00
74347	Completed Wells	HeKINCH/sh	UNCLASSING	UNICASSPILO	17 65491000	AC 61148500 CRICKHOWN	HAD?			
71969	Contradicted Wells	UNKNOWN	(Mgr (ASSIRE))	DNOASSING				0.00	0.00	0.00
73352	Completed Wells	UNKHOWN	UNICLASSICATI		59 61/91/94(C)	90 PDP125UO FREEE/BRAN	64(177	U DO	9 000	0.00
14397				URKLASSEIIO	27 AH98 43 CLI	80 61279800 ONKHOWN	HADS?	0.00	0.00	6.00
	Completed McBs	UNKNOWN	UNIC EARSON [1]	LANCE ASSET (E)	4) 64/1/400	BU 5979USDU URUMONYN	HAD?2	0.00	0.00	0.00
70391	Completed Wells	SOUTH FOR (N)	PM UDO ORIGINAL WELL - UNIONORIA CLASS	PSEUDO ORIGINALISTE LINKINGANI LANS	8153212400	AC 67011800 SOORE PERMICH	NAD27	0.00	0 (81	0.00
11.584	· unpleted Welk	UNKNOWN	(Mg (Assault))	UNCLASSING	r) 61792900	80 67 11 200x GAYAN (76VA)				
73388	Completed Wirth	CHAINGINA	DNCDASSIND	UNCLASSINIO			MAD??	0.00	0.00	0.00
71967	Full replaced Wirells	UNKNIZWY	(MCLASSITE)		30 G 56 5 1 WICE	NO 61880ADO UNERCAMA	MAUL/?	0.00	0.00	o na
31169				TARTASSITIED	49 61919400	NO GOTTATOO CIKANOWA	NAD27	0.00	0.00	0.00
	Completed Wells	\$14(())\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	PSCHROOTORICANAL SELECT CONSIDERATION CLASS	PSEUTXEDRIGHAL WELL (MIKHEMAN 14ASS	89 655 05400	AD 67349KADI (ASSADY WILLIAM)	NAI127	0.00	0.00	0.00
74347	Completed Wells	TINKNITAN	(MCLASSIPE)	DHOLASSILIED	(9.1.7) (4.78(0))	AU INSTITUTE L'HANDINAN	NADZ7	0.00		
73364	Completed Wells	VINKNOWA	DNCLASSIDED	UNCLASSILIED	071-5157 300 0				(1 (00	(1 (31)
73.540	Completed Wells	UNENDAM	DNUASSIDED			RO GHEEGOU UNENDAVIN	RAD27	£1.000	יסת יו	0.00
/1390	Completed Welk	UNKNOWN		UNCTASSITED	Part Copy (SC) Application	SD 4 LB4 / RIO (JNK H: 7,4/N	MAIN	9.00	0.00	12 000
			HNC (ASSILIE)	UNCLASMILLO	(0.45 60% (0.00)	#P44491000 UNKN W/N	NAD27	0.00	0.00	0.00
31173	Completed Wells	UNENIANN	ONC(ASSITE)	INCIASSINO	सी कर्त सहिताहरूका	80 to 345 GUD TRHICINGANIN	NAU27	0.00	0.00	0.00
73036	Completed Welk	UNKNOWN	UNCLASSION	UNICLASSICILIS	49 1-481-7400	RO 67800300 LANKNOWN				
73412	Completed Wells	SOUTH I'V NAI CHE	NNI TASSITI O	UNCLASSION			NAD27	0.00	9.00	0.00
/1344	empleted Welk	UNKNOWN	UNITASMITO		en 4-d s / 45-pp	BORGZEGEROD SOUTHERNING ON	NAD27	a two	0.00	0 (6)
50671				UNUTASSETUD	21.6559M600	RO (AP) PRE) (RO LIPINEN CHAPPA	NAD//	0.00	CECNO	a na
	Crampleted Worlf,	QUARTICHATE OF BEHAVIOR OFF	PSECIDED ORIGINAL WELL - UNKNOWN CLASS	PSO/IDO OBIGINAL WELL - UNKNOWN CLASS	VI 6674DMOD	BO 67 SIAS 300 TOTAKE JESTATE ZOD HETONENG CADRE	NAD27	0.00	0.00	0.00
13387	Campleted Welk	DANKNOWN	UNITAMORE	SINCEASSION	91.62607800	NO MYSTROD TINKING WIN	NAD27	0.00	U.DO	0.00
73407	Completed Wells	UNKNOWN	UM (ASSUIT)	SING ASSIGN II	P164503200					
/1912	Completed Welk	LIPIKNOWN	UNCLASSINID	UNICASSITIO		RO 61G / \$50XE ONKAJOWN	NAD27	0.00	0,00	0.00
/ 1409	Completed Wells	UNKNOWN	URN (Arana)		F3 62 / MARIOS	NO GENERALIZACIO LIINKINCIVANI	NAD27	0.00	0.00	0.00
7.196.4				UNCLASSION D	P1164757900	BOGG 1655/DO HINKNOWN	NATU /	0.00	0.09	HORI
	: Jorgan and Wells	UNKNOWN	UNCAMMOTE	UNCLASSIER D	PF61208400	BO 60004 300 TOMENOUSA	NAU27	0.00	0.00	0.00
01167	sseripto teal Wirths	LANNAGY WILLIAM	PSEDDO ORIGINAL WITH TUNGSOWN CLASS	PSTROOTORIGNATION OF CHANGING TASS	59 (2577) (18 0	BUJ5785G-SDCL CASSADY WILLIAM	NAD27			
7341D	Completed wells	HINKNOWN	ONCLASSION	UNCLASSINED	P\$ (44) 26-700			0.00	0.00	0.00
20.102	Lumpleted Wells	UNKNOWN	UNIC ASSIGNED			BO ISTORY DIX ON KNOWN	NAU27	0.00	0.600	0.00
(1957	Completed Wells	IINKNOWN		DNCLASSIFIED	19,6525,09()	NO.6326 CRICK CHICK (SWIN)	NAD27	6.00	0.00	(P-00)
		HIGHNICHMAN	ONG LASSIFIED	UNCLASSIFIED	19.611.79700	80 59157600 UNKNEWN	NAD27	0.00	900	0.00
/3033	Lompleted Wells	UNKNOWN	ONCLASSIFICE	LINICLASSIFIED	19 64/66400	80.637440X0 UNKNOWN	NAD27	0.00	9.00	0.00
7 8042	Completed Wells	HMKNÇAYN	UNICLASSIFIED	UNCLASSIFIED	DOL'S PANAL TIL	#0.424319000 UNKNOWN	NAD//			
70392	Completed Wells	SOUTH PENN OIL	PSEUCO ORGANAL WILLI - UNKNOWN CLASS	PSEUDO ORIGINAL WELL HINKNOWN CLASS	39 64267600	20 FTGA YOU CHILD SEWN ON		0.00	0.00	ואו.ח
/WB	Completed Walk	UNKNOWN	LING LASSINI D				NAD27	0.00	0.00	0.00
71342	Completed Wells	UNKNEWN	UNCLASSIFIED	UNCLASSIFIED	PE44475100	#0.6J218200 UNKNOWN	NAD77	0.00	0.00	0.00
/D388				LINCLASSIFIED	59 62A MOZOO	BO UTBO- IOD THIKNOWN	NAD27	0.00	0.00	0.00
	Completed Write	SCILITII PENIN CILL	PM LIDO ORBINAL WITH LUNCHOWN CLASS	PSEUDO ORIGINAL WITH TUNKNOWN CLASS	PER 1720 KID	#0 (4)547900 SOUTH PENN CIT	NADZ/	0.00	0.00	0.00
V1369	Completed Wells	MANUFALTIMENS EIGHT & NEAT	HNCLASMERO	HINCLASSIFIED	51.65 [] \$7.00	KÉROZSA KOD MANDAN TÜRERS ÜĞÜL SINLAT	NAG27	0.00	0.00	0.00
74 940	Completed Welk	UNKNOWN	UNCLASSIFIED	UNCLASSING	CL67845200	MENTHATIO UNKNOWN				
/1015	Completed Worlh	UNKNOWN	HM (ANAL)	HINCHASSITUED			NAU/	0.00	0.00	0.00
11955	- repleted Welt.	UNYN : AN	19(1ASSIII)		Street Wheles	BO 62575 LUO LINKNOYAN	NAD/7	0.00	0.00	900
Joseph		Commence of the Commence of th		UNICASSI EN	2012/25/2010/00	BU STREETEROOD THEFTOMEN	MADUZ	0.00	9.00	9.00
	detect weeks	STATE STAN OF	colerated extensive water restriction of the Park	PSECTIO ORIGINAL WYS - PLANOWN CLASS	21.65.25260	BU KANAMYARA SOOTA PEAN OIL	MADUS	0.00	500	0.00
72416	Completed Wells	UNKNO WM	1Re LASSUED	UNCLASSIFIED	10 r-18 /5/90c)	NO FOLLOW UNKNOWN	MADJJ			
73037	Campleted Wells	UNENCIWA	UNFTASSPED	UNCLASSIFIED	19 A-1750Aug			0.00	0.00	0.00
/1161	Completed Week	UNKNOWN	(Med ASSE)			HU 64 KEPANGE HIMENOWN	MADDA	0.00	9.00	U.W
DAMES				ONCLASSION	19 45404000	NO COMBONOù UNIONAN	NAD27	0.00	0.00	0.00
		UNENCIWA	OF ALL CONTROL AND A STATE OF THE SAME OF	DEVELOPMENT WILL	10.629364434	RO SVB72 DOC LIROKNONYN	NAD27	1060-00	2984 00	0.00
A00.16	Correpleted Wells	SOUTH PENN ON	DEVILOPMENT WELL OR	OF VELOPIAN NI WILL	17.61704900	A0 59607200 SOUTH PENN OIL	NADZI	1555 00	1597.00	0.00
734KH5	Considered Wells	MANUFACH TREES LIGHT X 141 AT	LIBRER AND INC.	MACCLASSIFIED	19 (441 /010)	80 616 16400 ALANIN ACTURERS LIGHT & HEAT				
\$101\$	Completed Wells	MOSES WALLIAGE	DEVELOPMENT WAS DOL	DEVELOPMENT WYLL			NA027	0.00	0.00	0.00
KIE91	Completed Wells	CRIACI ESTATE ON REPINING CORP	OLANOMARI ANTO OIL		19 61-706A00	AO 62612300 A40323 WILLIAM	MATERIAL A	1167.09	11400	0.00
31064				CHI MET COMPANY AND LI	to (C) backers	80 61 /8660G (BLACER STATE OIL REFINING CORP.	NADST	1251.00	3247.00	0.00
	Completed Wells	UNKNOWN	DEVELOPMENT WELL OIL	DEVELOPMENT WELL	49.6777 002 00	AO 62741200 URKNOWN	NAD27	1310-00	3125 00	0.00
31034	Consplicted Wells	MOSES WILLIAMS	OLVEROMALMS WELL OIL	DEVELOPMENT WITH	PF 65 (57,200)	80 6 1/1 2900 MOSCS WILLIAM	NAD22			
A0235	Completed Webs	प्रश् ताम १५ क्षम (च	PSTUDIO ORRANDA NOVE - OMEROWIN CLASS	PSI UDD ORKGINAL WELL UNIT NUMBER LACE	F1 6 296 / 100			1476400	3305.00	0.00
02049	Compact of Syeth AstreS	DIVIDENTAL DEPROVAL TRAVELLE	SOUTH SHIP OUTLOST DEFINISOR			NO 67443400 SOUTH HERITORI	HADAY	0.00	0.00	0.00
02037	Completed WARRANTICS			MILDICAT DUREON I	SAN UNIVERSITY	80 61073790 (SAC ((SRP	MA027	1167 00	1588-00	0.00
808.89		Alguation (Fig. 180) and a results	NEW FILLD WILDCAT DISCOVERY	NEW FIELD WITE: AT	4.0 m 6.3 m 6.0	A0 51309550 (MK CORP	NADZ?	1240.00	34 34 600	0.00
	Compiler of Myells	SOUTH IS NOT	DEPT COMMANDE WELLS CON	DEVELOPMENT WITH	19 6411 / 700	80 622182800 NOUTH PENN ON	MAD 27	1297.00	\$260.00	0.00
D01993	Completed Wells	THICHOLYN	THE VEHICLE HAS 1991 IT CAS	DEVELOPMENT WELL	33 6843 2800	80 63419300 UHANDAVN	NAD27			
01051	Completed Webs	HORNER OIL & GAS PROTEST HOW INC.	DRIVI LIDINALI IVA PARTA LIMI	DEVITOPMENT WEIS				1769 00	2360 (10	a na
30148	Completed Wells	UNKHOWH	DAVI COMMENT WILL ON		METHON 52 18000	80 454 60000 PLN RZOM COUNT	MAD22	1518.00	3401.00	0.00
31217				DEVELOPMENT WELL	39 4.7 (99900)	RO (2890100 UNKNYWN	NAD27	1360 00	4495 DO	D 100
	Completed Wells	CASSADY WHITAIA	(Micconstate)	UMICLASSIFIED	39 641 (0500)	BO GLITHIGOD CANSADY WILLIAM	NAD27	9.00	0.00	0.00
10/05	Completed Wells	RANDALI 2006 SUPPLY	DEATH (NAME ALL AND IT IN	DEVEKORSMENT WELL	49 64411500	80 (-1974200) RANDALL-ZONG SUPPLY	NAD27	1392.00	3350.00	0.00
01714	Completed Walls	PURNER DIL & GAS PRODUK 1 (N) (N)	DENVELOPMENT WELL 100	DEVELOPMENT WELL	39 (483):1500	BO 63119300 HORNER CHARLES	NAD22			
					22 THE TO BOX	THE PERSON NAMED IN COURT OF THE PERSON NAMED IN COLUMN NAMED	rest//	1390.00	3280 00	0.00

J0511	Completed Webs	RAAD SUPPLY CO	DE VELCOPINALAGE VARIET-CAL	DÉVITOPMENT WELL	39.66594100	80 6 121 2900 RAAD MIPPLY CO	NAD27	1713.00	1202.00	0.00	
01316	Completed Wells/WIICS	PROPERTY OF A CAS PRODUCTION INC.	DEVELOPMENT WILL OIL	DEVILOPMENT WILL	39 67748090	80.61979700 CHASEPERROLLINGED	NADZZ	1138.00	4200 00	0.00	
01715	Completed Wells	FROMBER CALLS GAS PRODUCTION INC	DENTIONMENT WITH THE	OF ALL CAMPAINT AND IN	39.68104.000	-80 63663600-HORNER CHARLES	NAD27	1380 00	1401 00	900	
31147	Completed Wells	COMMERSTATE OF REFINING CORP.	DEVELOPMENT WELL DIE	DEVELOPMENT WITH	39 64910500	80.61598900 THAKER STATE OF REFINING CORP.	NADZZ	1458.00	140 / 130	0.00	
40403	Crampleced Wells	UNKNOWN	UNICLASSIUM	UNITIASMITI(1)	39 64808900	80,63261300 1HNKN(NVN	NAD27	0.00	0.00	000	
30966	Completed Wells	CHARLE STATE OF BEHINNING CORP.	DEVECOPMENT WITH OIL	DEVELOPMENT WITH	39.05171700	2016/05/0000 QUARTESTATE OF RELINING CORP.	NAD77	0.00	90a1 000	0.00	
71356	Considered Wells	CINANS MAN	UNICLASSIFICE	HNCIASSILIED	39.64847900	80 61 PA90U CINKHOWN	NAD27	0.00	0.00	0.00	
00296	Completed Wells	INSENTED IN GAS PRECIDE TION INC.	DEVELOPMENT WITH DIE	DEVELOPMENT WITH	39,68549500	NO 6-3794950 SCATTOLIST NA CHE	NADZ7	1348 00	Nego (no	0.00	
\$1028	Completed Welk	TRIPL NATURAL GAS	DEVELOPMENT WITH THE	DEVELOPMENT WITH	39.65737800	80.62274500 HOPERATURAL GAS	NAD22	1485.00	1453.00	DANI	
NACH	Completed Wells	QUAKTEMATE DICIDENING CORP	DEVELOPMENT WILL OIL	OLVELOPMENT WITH	19.66652200	89.61805300 CRUAKUR STATE OIL REFINING COMP	NAD27	0.00	3284.00	0.60	
50577	Lonipleted Wells	QUAKTIESTATE DIE DELINING CORP	DEVELOPMENT WHITE-PER	DEVELOPMENT WITE	39.66463500	BO 63175400 CRUNKER STATE OIL REFINING LURP	NAD27	1311.00	\$110.00	0.00	
30710	Completed Wells	RANDALL ZOLG SUPPLY	DEVELOPMENT WELL ON	DEVITORMENT WITE	39 65302400	8016 FOR ZOO - RANDARL ZOSSE SUPPLY	NAUZZ	1252 00	3190.00	0.00	
71965	Lompleted Wells	(INKNOWN	UNCLASSIFIED	UNCLASSINGD	>9.614558200	BO 59812XXX UNKNOWN	NADZ/	0.00	D.DXI	000	
009 39	Completed Welk	LAGGIN G-E	DEVELOPMENT WELL DRY (INCLUDING 11 M FORABLY ABANDORFD WELL)	DOVELOPMENT WELL	39 67422600	NO.6-181 9700 FAGON G F	NAD27	675.00	1462.00	4.00	
10445	Completed Wells	SCHOOL OF THE STATE OF THE STAT	DEVELOPMENT WELL OIL	DEVELOPMENT WILL	39.63560700	-80 67 M9600 - SQUILLI PENN ON	NAD27	1345 00	1110.00	0.00	
11032	Completed West	MOSES WILLIAM	DOVELOPMENT WELL OIL	DEVELOPMENT WILL	19 64605700	80 679 DIDO MONES WILLIAM	NAD//	291.00	2975.00	9.00	
40641	Crimple, ted Wells	MANUALI (KIKATA SUPERT	DEVELOPMENT WITH HILL	DEVELOPMENT WITH	49 G4G/680C	80 62 UZBOKE NANDALI ZOGG SUPPLY	NAD27	£ 400 000	115/100	0.00	
10160	Completed Wells	SCRUTH PENN OIL	DIVELOPMENT WHITE CAS	DESCRIPTION WITH	39 6665) 300	80 53874#00 MARCH 11 NN (III)	NAD//	CZ LA PO	1195 (8)	11121	
1,90.44	ampleted Wets	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	19,646,34700	-80 67648000 TINKNOWN	NAC27	0.00	d (K)	080	
01087	Completed World	HORNER OIL & CAS PRODUCTION INC.	DEVELOPMENT WILL CH	DEVELOPMENT WITH	30 64489600	ACCUPATION CONTRACTOR AND COLUMN	NAD27	1575 D3	1903.00	960	
70764	Completed Wells	1001H #15W DO	PS 000 ORIGINAL WILL - DIGMOWN COASS	PM FUCE ORIGINAL WELL - UNKNOWING (AS).	43.65471000	80 60791203 S/XIIIH PENA ON	NAD27	0.00	(100	12.00	
00674	Complicted Wint:	DIVERSIDED PROCESS HOREOUT	CHUELOPMENT WELL GAS	DEVELOPMENT WITH	39 61019000	80 STANAGO COMSOCIDARIO GAS SUPPLY CORP	HAD77	0.00	2389 (to	0.00	
Hearts and ph.											
LIMI	ALIESTATES	4 5,34 4 4 × 4 R	FNI_CCASS	IMIT (LASS	14411499 206	IGITUEN OF R MANA	DATUM	HEVATRAL II	D1 (2007) 11	VID WELL MADE	
47100000570	Okto ik omplet ed Wells	CDL PRODUCTION LC	DEVELOPMENT WITH GAV	DÉMITOPMINT WITH	39.58256900	80 SS408500 TOT PRODUCTION CO.	NAD27	834 00		401 00 WV 512915 [UC 177	
	OOU Cramp5, Leef We 6s	Of Probaction to	DEVITORMENT WELL GAS	DEVELOPMENT WITH	19 1-825 / 300	80,588) Sept. Figs Photon move ag-	NAG27	B.M 00		894 00 WV 517916 ING 177	
	DOD Completed Wells	SWN PROBALLION COVER	DEVELOPMENT WITH GAS	DEVITORMINE WITH	39 68258340	BO 5 5976/10 I SWM PRODUCTION COLUC	NAI1//	11/0.00		108.00 405H 5WN A WF/	
47104031910	COG Dulling	COMPROTHIS FIGHERS		DEVELOPMENT WITH	49.58255800	80 56405000 (kg/ (storiou) atomic of	NAU27	811 (90		0:00 1:15 (96 177	
47109032350		COLPRODUCTION (C)		DENETCHANT NEW CO.	19,501 \7800	NO SERVICED FOR ENDORSE PRODUCED	NAD27	1296-00	nan	O DO BIG 745H) & FT RIDLE GRASS	-117
	000 Complete PWeb	ASCENT PERSONALS INSURED USED	DEVELOPMENT WITH 1975	DEVECTORMENT WITH	89 (23 39 340)	80.6357(#ERL 146.73(1)(x)y.(1)	NA027	989.00		150 OCE 306 CRANES 1	
471000026548	Oco Permit	THE PRODUCTION CO.		DEVELOPMENT WITE	6.50 (00)	BO SECTION FOR PRODUCTION (1)	NAD27	1430 (R)	9.00	0.00 H4 Bin/45	
47103037990	OOU Drilling	COFPRINTED TONGO		DE VELOPMENT WELL	39.58247300	80 584049(e) [()] PROJUK (3)29 (1)	NAD27	8L1 00	800	0.00 H7 B4G L22	
47103032120	000 Completed Wells	SWN PROBLETICAL COST	DEVELOPMENT WITH GAS	DEVELOPMENT WELL	39.68750840	BO 6498121D ISWM PNODUCTION COLLS	NAD27	1370.00		17730 HI SWN A W12	
									(m-24/(n))	AND THE SECOND IN CALLS	



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

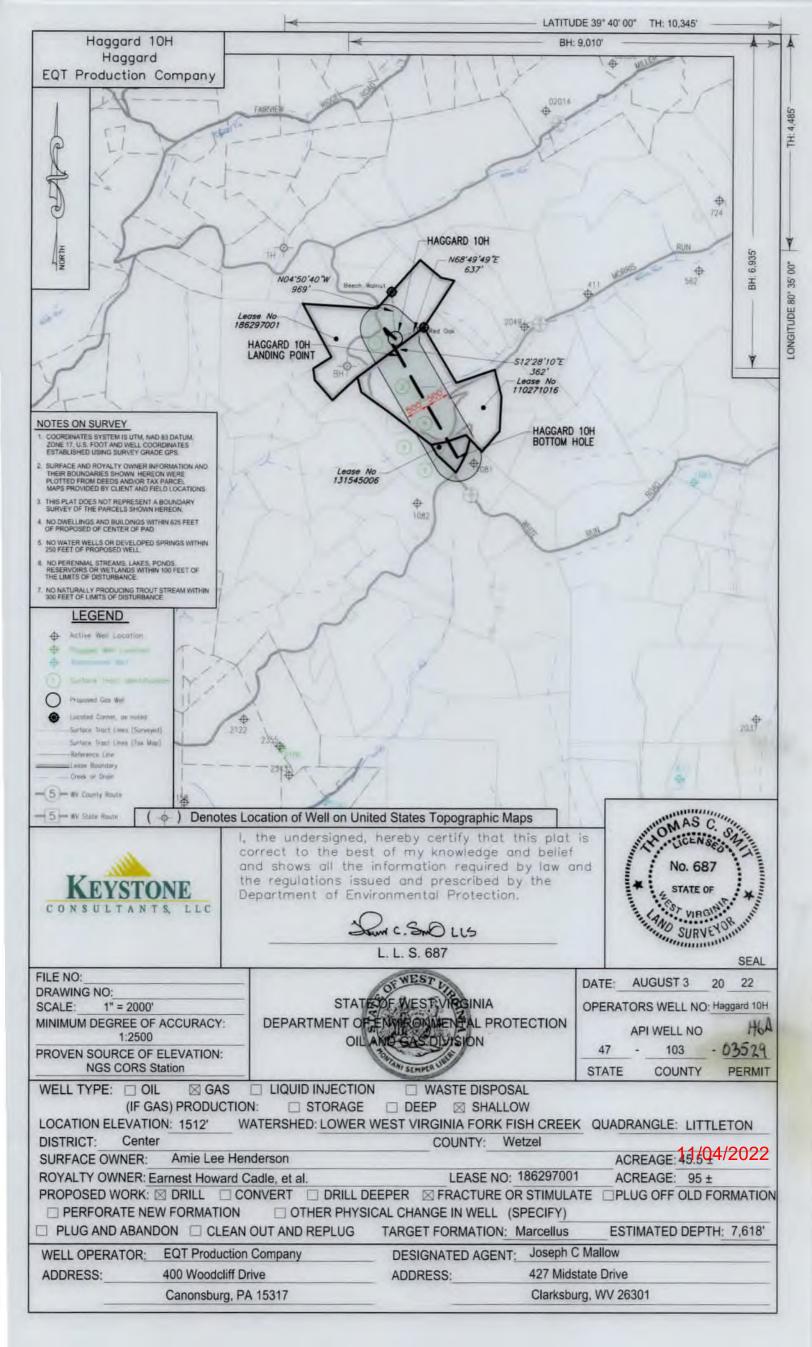
EQT Production Company

Kenneth Greynolds

Ken Greynolds Oil and Gas Inspector West Virginia DEP

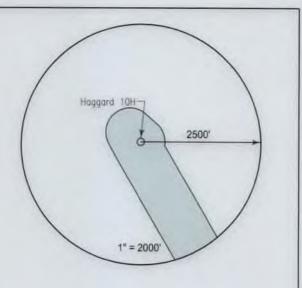
Revision #	<u>Date</u>	Change/s
1	1/29/2020	Plan total revision and reformat.
-		
lan Administrator:		Approver:
cott M. Held, CSP enior Safety Coordin		Michael Lauderbaugh Vice President of EHS

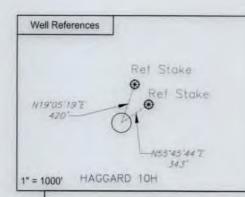
4710303529 Topo Quad: Littleton 1"=1000" Scale: Wetzel County: June 24, 2021 Date: Center District: Project N0: HAGGARD WELL PAD Water 11 Potential Water Sources Within 2500' Site 6 (W Access Road WEAR 8W Well LEGEND HAGGARD WATER 1572 0 0 Well NAD 27 N: 422.314.723 E: 1,684,542.363 Creek or Drain WGS 84 Lat: 39.654178 Long: -80.620223 WV County Route Elevation: 1,512 WV State Route Prepared For. Keystone Consultants, LLC **EQT Production Company** 32 East Main Street 400 Woodcliff Drive Carnegie, PA 15106 412 278-2100 Canonsburg, PA 15317 EQT PRODUCTION COMPAN



Haggard 10H Haggard EQT Production Company

Tract ID.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	10	36.0	Wetzel	Center	Amie Lee Henderson	45.50
2	10	52.0	Wetzel	Center	John G Miller ET AL	55.50
3	10	38.0	Wetzel	Center	Rusty Lee Morris	43.92
4	10	53.0	Wetzel	Center	Rusty Lee Marris	22.02
5	10	52.1	Wetzel	Center	Rusty Lee Morris	3.48
Lea	se			Owner		Acres
18629	6297001 Earnest Howard Cadle, et al.		e, et al.	95		
110271016 Vivian F		Rine, a	Wa Vivian L	Rine, et al.	95.7	
131545006		Earnes	t H. Cadle, e	etal	10.33	





Notes:

HAGGARD 10H coordinates are

NAD 27 N 422,377,419 E 1,684,584,541

NAD 27 Lat 39,654270 Long: -80,620265

NAD 83 UTM N 4,389,463,724 E 532,593,162

HAGGARD 10H Landing Point coordinates are

NAD 27 N 422,024,129 E 1,684,662,68

NAD 27 Lat 39,653303 Long -80,619972

NAD 83 UTM N: 4,389,356,49 E: 532,618,761

HAGGARD 10H Bottom Hole coordinates are

NAD 27 N: 419,913.862 E: 1,685.888.294

NAD 27 Lat: 39,647552 Long: -80,615527

NAD 83 UTM N: 4,388,719.82 E: 533,002.875

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

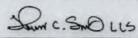
mendian.
UTM coordinates are NAD83, Zone 17, Meters.



HACGARD 9HO HACGARD 16H
HACGARD 7HO HACGARD 12H
HACGARD 3HO HACGARD 10H
HACGARD 1HO HACGARD 6H 103-03430
HACGARD 4H
HACGARD 2H

HAGGARD PAD

I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.



L. L. S. 687



		L. L. S. 007			SEAL
FILE NO: DRAWING NO: SCALE: 1" = 1000'	STATE	OF WEST VIRGINIA		DATE: AUGUS	
MINIMUM DEGREE OF ACCURACY: 1:2500	DEPARTMENT OF	DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION		API WELL	NO HEA
PROVEN SOURCE OF ELEVATION: NGS CORS Station		TOWN SEMPLA LINE			03 - 03529 UNTY PERMIT
WELL TYPE: OIL GAS (IF GAS) PRODUCTION LOCATION ELEVATION: 1512' DISTRICT: Center	ON: STORAGE	☐ WASTE DISPOSAL ☐ DEEP ☑ SHALLON WEST VIRGINIA FORK FI COUNTY: W	W	QUADRANGLE	E: LITTLETON 11/04/2022
SURFACE OWNER: Amie Le	e Henderson			ACREAGE:	
	Howard Cadle, et al. CONVERT DRILL DI OTHER PHYSIC	LEASE NO: EEPER			95 ± OLD FORMATION
☐ PLUG AND ABANDON ☐ CLE	AN OUT AND REPLUG	TARGET FORMATION:	Marcellus	ESTIMATED	DEPTH: 7,618'
WELL OPERATOR: EQT Product	tion Company	DESIGNATED AGENT:	Joseph C	Mallow	
ADDRESS: 400 Woodcli	ff Drive	ADDRESS:	427 Midsta	ate Drive	
Canonsburg	, PA 15317		Clarksburg	g, WV 26301	

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, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that -

- the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number

Grantor, Lessor, etc.

Grantee, Lessee, etc.

Royalty

Book/Page

See attached

RECEIVED
Office of Oil and Gas
AUG 22 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 2

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
<u>186297001</u>	Earnest Howard Cadle, et al. Earnest Howard Cadle, married dealing in his sole and			"at least 1/8th per WV Code 22-6-8"	
	separate property	95 ac	EQT Production Company		OG 273A/121
110271016	<u>Vivian Rine, a/k/a Vivian L. Rine, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
	Vivian Rine, a/k/a Vivian L. Rine, a married woman dealing in her sole and separate property	95.7 ac	EQT Production Company		OG 183A/902
<u>131545006</u>	Earnest H. Cadle, et al.			"at least 1/8th per WV Code 22-6-8"	
	Earnest H. Cadle Antero Resources Corporation	10.33 ac	Antero Resources Corporation EQT Production Company		OG 191A/242 OG 231A/59





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 10H 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

Office of Oil and Gas

AUG 2222022

AUG 2222000

Environmental Protection

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

Date of Notic	ee Certification: 08/18/2022	API	No. 47-				
		Operator's Well No. 10H					
		-	Pad Name: Haggard	1			
Notice has l	oeen given:						
	e provisions in West Virginia Code §	22-6A, the Operator has provided	the required parties v	vith the Notice Forms listed			
	tract of land as follows:	•	• •				
State:	West Virginia	East:	ing: 532593.16				
County:	Wetzel		hing: 4389463.72				
District:	Center	Public Road Access:	CR 8/2				
Quadrangle:	Littleton	Generally used farm n	ame: Haggard				
Watershed:	Lower West Virginia Fork Fish Creek						
information roof giving the requirements Virginia Code	ed the owners of the surface described and (c), se surface owner notice of entry to su of subsection (b), section sixteen of \$22-6A-11(b), the applicant shall thave been completed by the applicant	ction sixteen of this article; (ii) that rvey pursuant to subsection (a), so f this article were waived in writi ender proof of and certify to the sec	the requirement was ection ten of this arting of the surface ov	deemed satisfied as a result cle six-a; or (iii) the notice vner; and Pursuant to West			
that the Ope	West Virginia Code § 22-6A, the Oprator has properly served the require	erator has attached proof to this No d parties with the following:	otice Certification	OOG OFFICE USE ONLY			
☐ 1. NO	TICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED IN SEISMIC ACTIVITY WAS CO		RECEIVED/			
☐ 2. NO	TICE OF ENTRY FOR PLAT SURV	YEY or 🔳 NO PLAT SURVEY W	AS CONDUCTED	☐ RECEIVED			
■ 3. NO	TICE OF INTENT TO DRILL or	NOTICE NOT REQUIRED A NOTICE OF ENTRY FOR PLAT WAS CONDUCTED or		☐ RECEIVED/ NOT REQUIRED			
		☐ WRITTEN WAIVER BY S (PLEASE ATTACH)	URFACE OWNER				
■ 4. NO	ΓΙCE OF PLANNED OPERATION	RECEI' Office of Oil	=	☐ RECEIVED			
■ 5. PU£	BLIC NOTICE	AUG 25	2 2022	☐ RECEIVED			
■ 6. NO	TICE OF APPLICATION	WV Depar	ment of	□ RECEIVED			

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 § 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 - Permitti Telephone:

Canonsburg, PA 15317 Facsimile: 412-395-2974

400 Woodcliff Drive

Email:

Address:

jzavatchan@eqt.com

NOTARY SEAL

412-584-3132

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

Notary Public

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 WW-6A (9-13)

4710303529

API NO. 47		_
OPERATOR WE	ELL NO.	10H
Well Pad Name:	Haggard	

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

Noti	ce Time Requirem	ent: notice shall be provide	d no later the	an the filing date of permit applicati	on.
	e of Notice: 08/18/2022 ce of:	Date Permit Application	on Filed: <u>08/19</u>	3/2022	
Ø	PERMIT FOR AN' WELL WORK			PROVAL FOR THE AN IMPOUNDMENT OR PIT	
Deli	very method pursu	ant to West Virginia Cod	e § 22-6A-1	O(b)	
	PERSONAL	REGISTERED	✓ METH	OD OF DELIVERY THAT REQUIR	RES A
	SERVICE	MAIL	RECE	IPT OR SIGNATURE CONFIRMAT	TION
sedinhe so oil ar descrippera more well impo mave provi propo subse ecor provi Code	ment control plan requ urface of the tract on ad gas leasehold being ibed in the erosion and ator or lessee, in the e- coal seams; (4) The work, if the surface to undment or pit as desa a water well, spring of de water for consump- posed well work activi- ection (b) of this secti- ds of the sheriff requ- sion of this article to R. § 35-8-5.7.a requ	aired by section seven of this which the well is or is proposed and sediment control plan subsection that the tract of land on which went the tract of land on which went is to be used for the place scribed in section nine of this or water supply source locate ption by humans or domestic ty is to take place. (c)(1) If non hold interests in the land irred to be maintained pursuathe contrary, notice to a lien aires, in part, that the operator	s article, and oped to be loc d well work, i omitted pursuich the well place tract or tracement, constituted within one c animals; and nore than three is, the application in holder is not or shall also p	or signature confirmation, copies of the the well plat to each of the following pe ated; (2) The owners of record of the suf the surface tract is to be used for roads ant to subsection (c), section seven of the roposed to be drilled is located [sic] is hacts overlying the oil and gas leasehold ruction, enlargement, alteration, repair, Any surface owner or water purveyor whethousand five hundred feet of the center of the operator of any natural gas sto be tenants in common or other co-owners in may serve the documents required up eight, article one, chapter eleven-a of the notice to a landowner, unless the lien by the rovided in section 15 of this rule.	ersons: (1) The owners of record of arface tract or tracts overlying the sor other land disturbance as his article; (3) The coal owner, known to be underlain by one or being developed by the proposed removal or abandonment of any ho is known to the applicant to er of the well pad which is used to brage field within which the are of interests described in the on the person described in the this code. (2) Notwithstanding any holder is the landowner. W. Va.
2 A	pplication Notice	☑ WSSP Notice ☑ E&S	Plan Notice	■ Well Plat Notice is hereby pro	vided to:
_	RFACE OWNER(s e: See Attached List)		☐ COAL OWNER OR LESSEE Name: See Attached List	RECEIVED Office of Oil and Gas
Addr	ess:			Address:	AUG 2 2 2022
Vam	e!			COAL OPERATOR	AUG 2 2 COO
Addr	ess:			Name:	way congramment of
				Address:	Savironmental Protection
JSU	RFACE OWNER(s	(Road and/or Other Distu	irbance)		
Vam	e:	·		SURFACE OWNER OF WATER	RWELL
٩ddr	ess:			AND/OR WATER PURVEYOR(s)	
				Name: See Attached List	
Vam	e:			Address:	
۸ddr	ess:				
				☐ OPERATOR OF ANY NATURA	
Vamo	e:) (Impoundments or Pits)		Name:Address:	
Addr	ess:				
				*Please attach additional forms if ne	PC6995/

W	W.	-6A
(8-	-13)

API NO. 47-	
OPERATOR WE	ELL NO. 10H
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 DV Wishing as www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Location Restrictions

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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 and the 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.	10H
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 comments as to the location or construction of the applicant's proposed well work to the Secretary at: RECEIVED 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

AUG 2 2 2022

WV Department of **Environmental Protection**

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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4710303529 APINO. 47-

API NO. 47OPERATOR WELL NO. 10H
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.

Office of Oil and Gas

AUG 2 2 2022

WV Department of Environmental Protection

WW-6A (8-13)

4710303529_{API NO. 47-}

OPERATOR WELL NO. 10H

Well Pad Name: Haggard

Notice is hereby given by:

Well Operator: EQT Production Compan

Telephone: 412-584-3132 Email: zavatchan@eqt.com

Address: 400 Woodcliff Drive

Canonsburg, PA 15317

Facsimile: 412-395-2974

Oil and Gas Privacy Notice:

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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

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WV Department of Environmental Protection

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

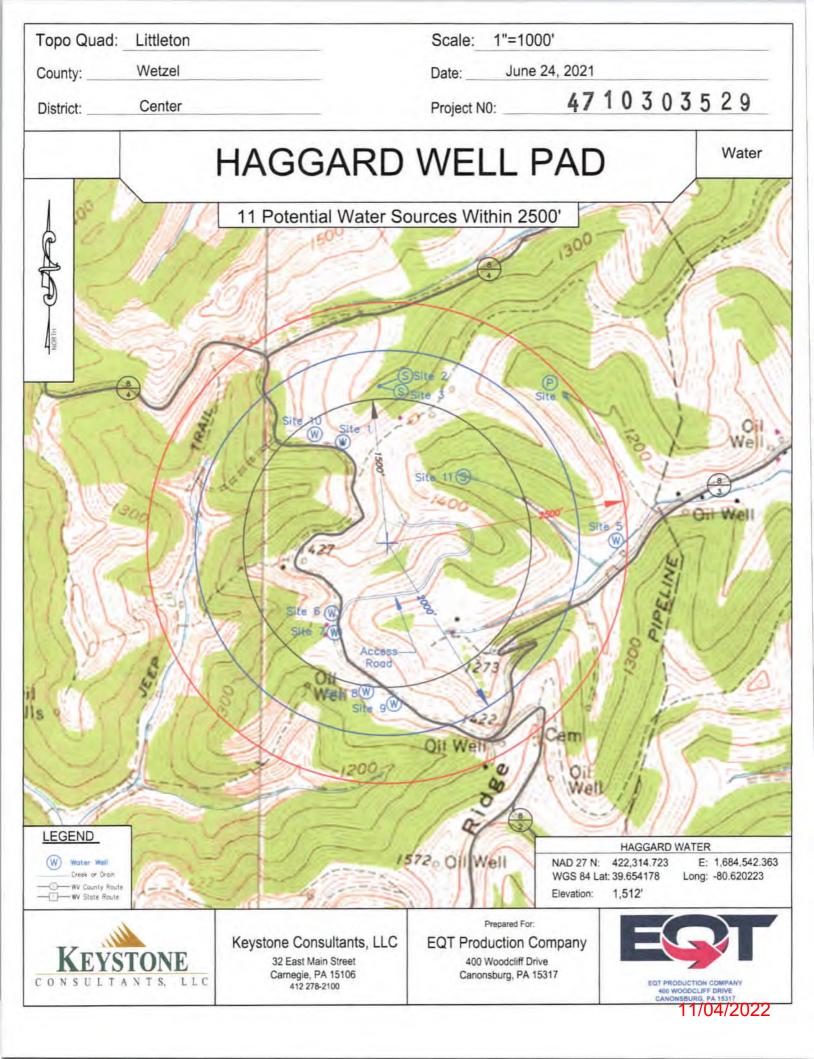


Table 1 - Water Source Identification				
EQT Well Pad Name:	Haggard (4H)	Submittal Date:	1/15/2021	
EQT Well Number:		antonomona Annonyanomonomonana.		
Survey/Engineering Company:	Keystone Consultants, LLC.	***************************************		

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	_	Hankle to Contact
Field Located Date:	11/2/2020		Unable to Contact (Further Contact attempts to be made by EQT's 3rd party pre-drill
Owner Home during Survey (Y/N)	No		
Coordinates: (decimal degrees NAD83)	39.657040, -80.621911		sampling (ao)
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 se 11/02/2020.	nt 7/	23/2020. Field visit
Site Number:	2		Landowner Requested
Distance from Gas Well (Ft):	1678±	V	Sampling
Surface Owner/ Occupant:	Charles & Ila Mae Musgrave	_	Landowner Decline
Address:	5050 Postlethwait Ridge Rd, Wileyville, WV 26581	14	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)	Yes		made by EQT's 3rd party pre-drill
Coordinates: (decimal degrees NAD83)	39.658674, -80.620565		sampling lab)
Contact Attempts (Date):	1st: 8/25/2020 2nd: 10/30/2020 Door Hanger Left:		
Comments:	SPRING - Located near spring holding tank. Certified mail sent 7 11/02/2020.	/23/2	2020. Field visit
Site Number:	3		Landowner Requested
Distance from Gas Well (Ft):	1671±	2	Sampling
Surface Owner/ Occupant:	Charles & Ila Mae Musgrave	-	Landowner Decline
Address:	5050 Postlethwait Ridge Rd, Wileyville, WV 26581		Sampling
Phone #:	304-775-2392	_	D. W. 12.11.1
Field Located Date:	11/2/2020		Unable to Contact Further Contact attempts to be
Owner Home during Survey (Y/N)	Yes	311	made by EQT's 3rd party pre-drill
Coordinates: (decimal degrees NAD83)	39.658652, -80.620613		sampling (au)
Contact Attempts (Date):	1st: 8/25/2020 2nd: 10/30/2020 Door Hanger Left:		
Comments:	SPRING HOLDING TANK - Near spring. Certified mail sent 7/23/ 11/02/2020.	2020.	Field visit

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WV Department of Environmental Protection

Site Number:	4	[₹.	Landowner Requested
Distance from Gas Well (Ft):	2377±	12:	Sampling
Surface Owner/ Occupant:	Calvin T Jr. & Monica L Morris		Landowner Decline
Address:	711 Morris Run Road, Wileyville, WV 26581	'	Sampling
Phone #:	304-775-2029		Unable to Contact
Field Located Date:	1/11/2021	١.	(Further Contact attempts to be
Owner Home during Survey (Y/N)	Yes		made by EQT's 3rd party pre-drill sampling iao)
Coordinates: (decimal degrees NAD83)	39.658803, -80.614285		
Contact Attempts (Date):	1st: 8/25/2020 2nd: Door Hanger Left:		
Comments:	POND - Certified mail sent 7/23/2020. Field visit 1/11/2021.		
Site Number:	5	<u> </u>	Landowner Requested
Distance from Gas Well (Ft):	2352±	Œ	Sampling
Surface Owner/ Occupant:	Calvin T Jr. & Monica L Morris	_	Landowner Decline
Address:	711 Morris Run Road, Wileyville, WV 26581		Sampling
Phone #:	304-775-2029		
Field Located Date:	1/11/2021	<u> </u>	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	i i	sampling lac)
	1st: 8/25/2020 2nd: 1/8/2021 Door Hanger Left:		
Contact Attempts (Date):	WATER WELL - Certified mail sent 7/23/2020. Field visit 01/11/	2021	
Comments:	WATER WELL - Certified mail sent 7/25/2020. Field visit 01/11/	2021.	
Site Number:	6	[J	Landowner Requested
Distance from Gas Well (Ft):	924±		Sampling
Surface Owner/ Occupant:	David A & Mary A Morris	\Box	Landowner Decline
Address:	4459 Postlethwait PDG Road, Wileyville, WV 26581	i —	Sampling
Phone #:	304-775-4301	Ì	Unable to Contact
Field Located Date:	8/27/2020		(Further Contact attempts to be
Owner Home during Survey (Y/N)	Yes	į	made by EQT's 3rd party pre-drift sampling (a0)
Coordinates: (decimal degrees NAD83)	39.652150, -80.622240	· :	
Contact Attempts (Date):	1st: 8/25/2020 2nd: Door Hanger Left:	: L	
Comments:	WATER WELL - Located about 85 ft. from road. Certified mail se 08/27/2020/.	nt 7/:	23/2020. Field visit
			landama Barana
Site Number:	7	<u>IZ</u>	Landowner Requested Sampling
Distance from Gas Well (Ft):	1070±	1	
Surface Owner/ Occupant:	David A & Mary A Morris		Landowner Decline Sampling
Address:	4459 Postlethwait PDG Road, Wileyville, WV 26581	_	sambinisk
Phone #:	304-775-4301	_	Unable to Contact
Field Located Date:	8/27/2020	į —	[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)	39.651594, -80.622136	<u> </u>	
Contact Attempts (Date):	1st: 8/25/2020 2nd: Door Hanger Left:	: 	
Comments:	WATER WELL - Located about 54 ft. from road. Certified mail se 08/27/2020.	int 7/3	23/2020. Field visit

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Site Number:	8	mandale del del del del del del del del del d		Landowner Requested
Distance from Gas Well (Ft):	1528±		12.	Sampling
Surface Owner/ Occupant:	John G. Miller, et al		-	Landowner Decline
Address:	4337 Postlethwait Ridge Rd, Wileyville, WV 2658	1		Sampling
Phone #:	304-775-5373		<u></u>	Unable to Contact
Field Located Date:	1/11/2021		_	(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)	39.649936, -80.620934	!		
Contact Attempts (Date):		r Hanger Left:		
Comments:	WATER WELL - Located about 150 ft. from road. 0 01/11/2021.	ertified mail ser	nt 7/2	23/2020. Field visit
Site Number:	9			Landowner Requested
Distance from Gas Well (Ft):	1636±		₹.	Sampling
Surface Owner/ Occupant:	John G. Miller			Landowner Decline
Address:	4337 Postlethwait Ridge Rd, Wileyville, WV 2658	1	١.,	Sampling
Phone #:	304-775-5373			
Field Located Date:	1/11/2021		1 2	Unable to Contact (Further Contact attempts to be
Owner Home during Survey (Y/N)	Yes			made by FQT's 3rd party pre-drill
Coordinates: (decimal degrees NAD83)	39.649592, -80.619899			sampling lab)
Contact Attempts (Date):	1st 8/25/2020 2nd: 1/8/2021 Doo	r Hanger Left:		
Camments:	WATER WELL - Located about 70 ft. from road. Ce 1/11/2021.	rtified mail sent	t 7/23	3/2020. Field visit
Site Number:	10			Landowner Requested
Distance from Gas Well (Ft):	±	······································	1.2	Sampling
Surface Owner/ Occupant:	Donald Neal Crane			Landowner Decline
Address:	Postlethwait Ridge Rd Littleton, WV 26581			Sampling
Phone #:	234-5 67-0889	······		
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
Coordinates: (decimal degrees NAD83)		••••••		sampng lao)
Contact Attempts (Date):	1st: 8/25/2020 2nd: 1/8/2021 Doo	r Hanger Left:		
Contact Attempts (Date).	WATER WELL - 1 Water well. Not field located. La		5 spri	ngs on
Comments:	Questionnaire. They were not field located. Certi		-	-
Site Number:	11			Landowner Requested
Distance from Gas Well (Ft):	±		1.1.	Sampling
Surface Owner/ Occupant:	Scott L Musgrave & Charles & lla Musgrave	1		Landowner Decline
Address:	5050 Postlethwait Ridge Rd, Wileyville, WV 2658	1		Sampling
Phone #:	304-775-2392			
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
Coordinates: (decimal degrees NAD83)	39.656092, -80.617445	}		sampling lab)
		r Hanger Left:		
Contact Attempts (Date): 	STREAM - Certified mail sent 7/23/2020. Not Fiel		n Fro	m Aerial
Comments:	orner weldings man some of Est Estern Hot Field	_ loogicu, ishe		RECEIVED

AUG 2 2 2022

WW-6A4 (1/12)

STATE OF WEST VIRGINIA 47 1 0 3 0 3 5 2 9 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.

	ne Requirement: tice: 05/24/2022		ast TEN (10) days prior to filing a t Application Filed: DB192022	permit application.
Delivery n	ethod pursuant	to West Virginia Code § 22-0	6A-16(b)	
☐ HAN	D I	CERTIFIED MAIL RETURN RECEIPT REQUI	ESTED	
receipt req drilling a h of this sub- subsection and if avai	nested or hand de orizontal well: F section as of the d may be waived in able, facsimile nu	livery, give the surface owner provided. That notice given purate the notice was provided to a writing by the surface owner.	notice of its intent to enter upon the resuant to subsection (a), section to the surface owner: <i>Provided</i> , how. The notice, if required, shall includes 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 ovever. That the notice requirements of this ude the name, address, telephone number, or's authorized representative. RECEIVED Office of Oil and Gas
Name:	mie Lee Henderson	a de la companya de l	Name:	****
Address: 4	70 Travis Drive		Address:	AUG 2 2 2022
the surface State:			ontal well on the tract of land as for	532593.16
County:	Wetzel		Northing:	4389463.72
District:	Center		Public Road Access:	CR 8/2
Quadrangl	Littleton		Generally used farm name:	Haggard
Watershed	Lower West Virgin	nia Fork Fish Creek		
		26.0		
Pursuant to facsimile to related to	umber and electronical	Code § 22-6A-16(b), this no ronic mail address of the ope may be obtained from the Se	erator and the operator's authorize ecretary, at the WV Department of	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 facsimile to related to located at to Notice is	West Virginia number and electrorizontal drilling 101 57th Street, SE hereby given by	Code § 22-6A-16(b), this no ronic mail address of the ope may be obtained from the Set, Charleston, WV 25304 (304).	erator and the operator's authorized ecretary, at the WV Department of 4-926-0450) or by visiting www.de	ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Pursuant to facsimile to related to located at of Notice is Well Open	o West Virginia umber and electrorizontal drilling 01 57 th Street, SE hereby given by ttor: EGT Production	Code § 22-6A-16(b), this no ronic mail address of the ope may be obtained from the Set, Charleston, WV 25304 (304);	erator and the operator's authorized ecretary, at the WV Department of 4-926-0450) or by visiting www.de	ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Pursuant to facsimile to related to located at of Notice is Well Open	West Virginia number and electrorizontal drilling 101 57th Street, SE hereby given by	Code § 22-6A-16(b), this no ronic mail address of the ope may be obtained from the Set, Charleston, WV 25304 (304);	erator and the operator's authorized ecretary, at the WV Department of 4-926-0450) or by visiting www.de	ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Pursuant to facsimile to related to located at to Notice is Well Open Address:	o West Virginia umber and electricorizontal drilling 601 57 th Street, SE hereby given by ttor: EQT Productio 400 Woodcliff I Canonsburg, PA 1	Code § 22-6A-16(b), this no ronic mail address of the ope may be obtained from the Set, Charleston, WV 25304 (304). Y: n Company	Authorized Representative: Address:	ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
Pursuant to facsimile to related to located at delicated	o West Virginia umber and electricorizontal drilling 601 57 th Street, SE hereby given by ttor: EQT Productio 400 Woodcliff I Canonsburg, PA 1	Code § 22-6A-16(b), this no ronic mail address of the ope may be obtained from the Set, Charleston, WV 25304 (304). Y: n Company	Authorized Representative: Address: Telephone:	ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. John Zavatchan 400 Woodcliff Drive
Pursuant to facsimile to related to located at to Notice is Well Open Address:	o West Virginia umber and electricorizontal drilling 601 57 th Street, SE hereby given by ttor: EQT Productio 400 Woodcliff I Canonsburg, PA 1	Code § 22-6A-16(b), this no ronic mail address of the ope may be obtained from the Sc., Charleston, WV 25304 (304); The Company Drive 5317	Authorized Representative: Address:	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 depprivacyofficer@wv.gov.

WW-6A5 (1/12)

STATE OF WEST VIRGINIA 4 7 1 0 3 0 3 5 2 9 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

Notice Time Date of Notic	Requirement: notice s e: 08/18/2022	Date Permit Ap	plication Filed: 08/19	date of permit	application.
Delivery met	hod pursuant to West	Virginia Code § 2	22-6A-16(c)		
■ CERTII	FIED MAIL		HAND		
	N RECEIPT REQUES	STED	DELIVERY		
return receipt the planned of required to be drilling of a l damages to th (d) The notice of notice. Notice is here	requested or hand deli- peration. The notice provided by subsection norizontal well; and (3 e surface affected by o	very, give the surfarequired by this sun (b), section ten of A proposed surfail and gas operation shall be given the surface OWNER	ace owner whose land absection shall include if this article to a surfa- ace use and compens as to the extent the da- to the surface owner and R(s) time of notice):	will be used for le: (1) A copy ace owner whos ation agreemen mages are comp	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information se land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time **RECEIVED** Office of Oil and Gas**
Name: Amie Lea Address: 470 1 Bridgeport, WV 26 Notice is her Pursuant to W operation on	Fravis Drive 5330 eby given: /est Virginia Code § 22 the surface owner's lar	2-6A-16(c), notice ind for the purpose of	of drilling a horizonta	ne undersigned of the tra	WV Department of Environmental Protection well operator has developed a planned act of land as follows:
Name: Amie Lea Address: 470 1 Bridgeport, WV 26 Notice is her Pursuant to W operation on State:	Fravis Drive 5330 eby given: /est Virginia Code § 22	2-6A-16(c), notice in a for the purpose of	Address	ne undersigned of the tra	Environmental Protection well operator has developed a planned act of land as follows:
Name: Amie Lea Address: 470 1 Bridgeport, WV 26 Notice is her Pursuant to W operation on State: County:	ravis Drive 3330 eby given: /est Virginia Code § 22 the surface owner's lar West Virginia	2-6A-16(c), notice in a for the purpose of	Address is hereby given that the of drilling a horizonta	ne undersigned of well on the tra Easting: Northing:	WV Department of Environmental Protection well operator has developed a planned act of land as follows:
Name: Amie Lea Address: 470 1 Bridgeport, WV 26 Notice is her Pursuant to W operation on State: County: District: Quadrangle:	eby given: /est Virginia Code § 22 the surface owner's lar West Virginia Wetzel Center Littleton	nd for the purpose of	Address is hereby given that the of drilling a horizonta UTM NAD 8	ne undersigned of well on the tra Easting: Northing:	WV Department of Environmental Protection well operator has developed a planned act of land as follows: 532593.16 4389463.72
Name: Amie Lea Address: 470 1 Bridgeport, WV 26 Notice is her Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affect information or	eby given: /est Virginia Code § 22 the surface owner's lar West Virginia Wetzel Center Littleton Lower West Virginia Fork Fish Shall Include: /est Virginia Code § 2: d by W. Va. Code § ell; and (3) A proposed led by oil and gas operelated to horizontal dr	2-6A-16(c), this no 22-6A-10(b) to a surface use and corations to the exterilling may be obta	Address is hereby given that the of drilling a horizonta UTM NAD 8 Public Road a Generally use of the surface owner whose ompensation agreement the damages are contined from the Secret	Land will be undersigned of the transport of transport of the transport of the transport of transport of the transport of the transport of transport of the transport of transp	WV Department of Environmental Protection well operator has developed a planned act of land as follows: 532593.16 4389463.72 CR 8/2 Haggard code section; (2) The information required used in conjunction with the drilling of a noffer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection
Name: Amie Lea Address: 470 1 Bridgeport, WV 26 Notice is her Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affect information r headquarters, gas/pages/def	ravis Drive 6330 eby given: /est Virginia Code § 22 the surface owner's lar West Virginia Wetzel Center Littleton Lower West Virginia Fork Fish Shall Include: /est Virginia Code § 22 ed by W. Va. Code § ell; and (3) A proposed led by oil and gas oper elated to horizontal dr located at 601 57th Siault.aspx.	2-6A-16(c), this no 22-6A-10(b) to a surface use and corations to the exterilling may be obta	Address is hereby given that the of drilling a horizonta — UTM NAD 8 — Public Road and Generally use of the surface owner whose ompensation agreement the damages are contined from the Secret deston, WV 25304	ne undersigned of l well on the tra 3 Easting: Northing: Access: ed farm name: OA copy of this e land will be understand arry, at the WV (304-926-0450)	WV Department of Environmental Protection well operator has developed a planned act of land as follows: 532593 16 4389463 72 CR 8/2 Haggard code section; (2) The information required used in conjunction with the drilling of a n offer of compensation for damages to the der article six-b of this chapter. Additional
Name: Amie Lea Address: 470 1 Bridgeport, WV 28 Notice is her Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affect information r headquarters, gas/pages/def	ravis Drive isaso eby given: /est Virginia Code § 22 the surface owner's lar West Virginia Wetzel Center Littleton Lower West Virginia Fork Fish Shall Include: /est Virginia Code § 2: ed by W. Va. Code § ell; and (3) A proposed ded by oil and gas oper elated to horizontal dr located at 601 57th Siault.aspx. r: EQT Production Company	2-6A-16(c), this no 22-6A-10(b) to a surface use and corations to the exterilling may be obta	Address is hereby given that the of drilling a horizonta UTM NAD 8 Public Road a Generally use of the surface owner whose ompensation agreement the damages are contined from the Secret	De undersigned of well on the tra Easting: Northing: Access: de farm name: A copy of this eland will be understand ary, at the WV (304-926-0450)	WV Department of Environmental Protection well operator has developed a planned act of land as follows: S32593.16
Name: Amie Lea Address: 470 1 Bridgeport, WV 26 Notice is her Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affect information r headquarters, gas/pages/def	ravis Drive 6330 eby given: /est Virginia Code § 22 the surface owner's lar West Virginia Wetzel Center Littleton Lower West Virginia Fork Fish Shall Include: /est Virginia Code § 22 ed by W. Va. Code § ell; and (3) A proposed led by oil and gas oper elated to horizontal dr located at 601 57th Siault.aspx.	2-6A-16(c), this no 22-6A-10(b) to a surface use and corations to the exterilling may be obta	Address is hereby given that the of drilling a horizonta — UTM NAD 8 — Public Road and Generally use of the surface owner whose ompensation agreement the damages are contined from the Secret deston, WV 25304	ne undersigned of l well on the tra 3 Easting: Northing: Access: ed farm name: OA copy of this e land will be understand arry, at the WV (304-926-0450)	WV Department of Environmental Protection well operator has developed a planned act of land as follows: S32593.16

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.

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

D. Alan Reed, P.E. State Highway Engineer 1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

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 10H Well Site RECEIVED
Office of Oil and Gas

AUG 2 2 2022

WV Department of Environmental Protection

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

Anticipated Frac Additives Chemical Names and CAS Numbers

<u>Material</u>	Ingredient	CAS Number
Sand (Proppant)	Silica Substrate	14808-60-7
Water	Water	77 32-1 8-5
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	Glutaraidehyde	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	6 7-56-1
	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

RECEIVED
Office of Oil and Gas

AUG 2 2 2022

WV Departmental Protection

WW-6A7 (6-12)

OPERATOR: EQT Production Compan	WELL NO: 10H	471030352
PAD NAME: Haggard	_	2.0-11
REVIEWED BY: John Zavatchan	SIGNATURE:	l'A
WELL DECEM		, ,
WELL RESTRI	CTIONS CHECKLIST	RECEIVED Office of Oil and Gas
HORIZO	NTAL 6A WELL	AUG 2 2 2022
Well Restrictions		WV Department of Environmental Protection
At Least 100 Feet from Pad and L Perennial Stream, Lake, Pond, Res DEP Waiver and Permit Co	servoir or Wetland; OR onditions	
At Least 300 Feet from Pad and L Naturally Producing Trout Stream DEP Waiver and Permit Co	onditions	
At Least 1000 Feet from Pad and I Groundwater Intake or Public Water DEP Waiver and Permit Co	ter Supply; OR onditions	
At Least 250 Feet from an Existing Drilled; OR	g Water Well or Developed S	Spring to Well Being
Surface Owner Waiver and	l Recorded with County Cler	k, OR
DEP Variance and Permit	Conditions	
At Least 625 Feet from an Occupie	ed Dwelling Structure to Cer	nter of the Pad; OR
Surface Owner Waiver and	Recorded with County Cler	k, OR
DEP Variance and Permit 0	Conditions	
At Least 625 Feet from Agricultur of the Pad; OR	ral Buildings Larger than 250	00 Square Feet to the Center
Surface Owner Waiver and	Recorded with County Cler	k, OR
DEP Variance and Permit 0	Conditions	

HAGGARD WELL SITE CENTER DISTRICT, WETZEL COUNTY, WV APRIL 2021



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



400 WOODCIFF DAVE. CANONOMIEG. PA 15317



SHEET INDEX 1 TITLE SHEET

2-3 EVACUATION ROUTE/PREVAILING WIND 4-E&S CONTROL LAYOUT OVERVIEW 5-6-E&S CONTROL LAYOUT

F EAS CONTROL AND SITE PLAN OVERVIEW

8-9 EAS 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

AND LIT WINGS PARTY (TAX MAP AND PARCEL IN 10 NO. 15 24 AC.

22

PLANS PREPARED BY:

BOORD BENCHEK & ASSOCIATES, INC.

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

> Bugn Hum 6-23-21



ANDREW BENCHER

